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METEOROLOGICAL OFFICE.

DAILY WEATHER REPORTS.

1ST JANUARY—30TH JUNE,

1891.

Soc. Reg. Lond.

26.4.92

DAILY WEATHER REPORT.

January to June 1891.



DAILY WEATHER REPORT.

for *Monday, 1st June, 1891.*
 Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

R. H. SCOTT, Secretary.																		
STATIONS.	YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	Barom: Reading at 32° F. and Sea Level.	TEMP. Dry.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 3.)	SHADE TEMP.		Amount of Rainfall.	
			Direc.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Direc.	Force. (0 to 12.)			Max.	Min.		
SCANDINAVIA.	Haparanda ...	30.26	43	NNE	2	b	30.28	+0.24	44	54	-	SW	2	b	*	50	44	-
	Hernösand ...	30.26	47	NE	2	b	30.34	+0.25	46	42	-4	NE	2	0	*	66	41	-
	Stockholm ...	30.18	51	N	4	b	30.21	+0.17	54	46	-12	N	4	0	*	72	41	-
	Wisby ...	30.04	53	ESE	4	b	30.06	+0.05	44	47	-11	NE	6	0	*	64	48	-
	Bodö ...	30.28	41	N	4	b	30.26	+0.03	43	36	0	N	4	0	2	45	36	-
	Christianund ...	30.16	48	ESE	6	0	30.17	+0.02	49	46	+3	NE	4	b	3	50	46	-
	Skudesnaes ...	30.08	55	E	2	bc	30.16	+0.14	61	53	+8	E	2	0	2	52	52	-
	Christiania Fjord (Færdar)	30.08	60	WNW	2	bc	30.13	+0.16	60	54	+4	ESE	2	0	1	64	5	-
	Skagen (The Scaw)	30.09	60	NE	1	0	30.14	+0.10	60	56	+2	SE	1	0	0	68	55	-
	Fanö ...	30.04	56	ESE	4	b	30.08	+0.11	67	56	+8	NE	2	0	*	68	52	-
BRITISH ISLANDS.	Sumburgh Head	30.03	50	Z	0	0	30.11	+0.14	46	46	-2	ESE	1	0	3	52	45	0.01
	Stornoway ...	29.83	58	SE	4	0	29.93	+0.07	53	52	-1	SE	4	0	4	59	43	-
	Wick ...	30.00	47	SE	5	5	30.08	+0.12	46	46	0	SE	4	0	3	44	44	-
	Nairn ...	29.89	63	SE	1	b	30.12	+0.22	52	50	0	N	1	0	2	68	42	-
	Aberdeen ...	30.02	44	SE	2	5	30.09	+0.10	46	45	+1	ESE	1	0	3	47	43	0.01
	Leith ...	29.90	49	NE	4	0	30.03	+0.11	47	47	+1	NE	2	0	*	65	44	-
	Shields ...	29.94	46	E	2	5	30.04	+0.11	44	44	-2	E	1	0	3	48	44	-
	Spurn Head ...	29.90	52	ESE	4	b	29.98	+0.06	48	47	0	NE	2	0	3	52	44	-
	York ...	29.91	60	ESE	2	b	30.00	+0.08	56	52	-2	N	1	0	*	68	42	-
	Loughborough	29.88	67	ESE	0	c	29.94	+0.04	61	54	+3	E	3	0	*	73	47	-
GERMANY & HOLLAND.	Ardrossan ...	29.80	62	ESE	3	0	29.94	+0.09	49	49	-8	NE	4	0	2	63	47	-
	Malin Head ...	29.64	57	SSE	6	0	29.84	+0.12	52	51	+3	ESE	5	0	2	60	48	0.06
	Mullaghmore ...	29.58	57	SE	6	0	29.79	+0.15	56	53	+4	SE	4	0	3	57	52	0.11
	Belmullet ...	29.43	59	SE	5	b	29.73	+0.24	57	55	+6	SSE	3	0	*	59	48	0.05
	Donaghadee ...	29.76	55	SSW	4	bc	29.89	+0.08	51	50	0	ESE	3	0	1	58	50	0.06
	Liverpool (Bidston)	29.82	64	SE	3	bc	29.90	+0.05	63	55	+5	E	4	0	3	69	53	-
	Holyhead ...	29.76	64	SSE	4	0	29.83	+0.04	64	58	+5	E	1	0	2	68	54	0.01
	Parsonstown ...	29.60	58	SW	2	c	29.78	+0.17	55	53	0	Z	0	0	*	58	51	0.15
	Valencia ...	29.54	57	SE	4	0	29.72	+0.34	56	54	+3	SE	5	0	5	58	52	0.19
	Roche's Point...	29.61	54	SE	4	c	29.75	+0.23	52	52	0	S	3	0	4	56	50	0.60
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	29.74	53	S.E.	5	c	29.78	+0.05	58	57	+5	SE	3	0	4	58	52	0.09
	Scilly ...	29.67	54	SE	5	0	29.72	+0.10	54	53	+1	E	2	0	5	56	52	0.17
	Prawle Point ...	29.81	55	SE	2	0	29.75	-0.05	58	55	+6	ESE	4	0	3	58	51	0.03
	Jersey (St. Aubin's)	29.80	66	SE	2	b	29.74	-0.10	66	60	+7	E	3	0	3	67	57	-
	Hurst Castle ...	29.84	63	ESE	4	b	29.82	-0.05	61	58	+2	E	4	0	3	68	55	-
	Dungeness ...	29.89	56	E	4	bc	29.86	-0.06	57	55	+1	E	4	0	3	60	51	-
	London ...	29.89	66	E	3	bc	29.90	-0.01	65	58	+5	ESE	3	0	*	72	50	-
	Oxford ...	29.88	61	ESE	3	b	29.89	-0.01	63	56	+5	E	3	0	*	69	49	-
	Cambridge ...	29.95	65	S	1	b	29.94	+0.01	63	57	+4	E	1	0	*	72	46	-
	Yarmouth ...	29.96	61	SE	2	bf	29.96	+0.01	51	50	+2	E	1	0	2	53	45	0.01
GERMANY & HOLLAND.	Cuxhaven ...	29.97	59	E	3	b	30.03	+0.11	58	56	+1	E	3	0	*	69	57	-
	Berlin ...	29.94	67	NNE	3	b	29.98	+0.06	63	57	+1	NNE	3	0	*	75	54	-
	Wiesbaden ...	*	*	*	*	*	29.95	+0.01	60	56	0	Z	0	0	*	72	50	-
	Munich ...	29.99	57	SE	1	0	29.99	+0.01	60	55	+3	Z	0	0	*	68	52	0.04
	The Helder ...	30.01	51	WNW	1	5	29.99	+0.02	59	57	+8	E	1	0	1	59	50	-
	Brussels (9 a.m.)	*	*	*	*	*	29.91	-0.05	66	61	+7	ESE	2	0	*	69	51	-
	Cape Gris Nez	29.89	63	ESE	4	b	29.88	-0.02	62	57	+5	E	4	0	3	72	52	-
	Paris ...	29.89	71	E	1	b	29.86	-0.08	66	59	+9	E	2	0	*	75	55	-
	Brest ...	29.79	57	SE	3	0	29.75	-0.01	54	54	0	N	1	0	5	61	52	0.04
	Lorient ...	29.79	62	SSE	1	bc	29.68	-0.11	57	55	+1	ESE	2	0	5	66	54	-
FRANCE AND BELGIUM.	Rochefort ...	29.84	70	SSW	3	c	29.77	-0.07	62	61	+6	SE	3	0	*	82	52	-
	Belfort ...	?	66	NE	3	b	?	?	63	59	+4	NE	3	0	*	73	46	-
	Lyons ...	29.87	70	E	1	b	29.90	-0.04	60	55	+3	S	1	0	*	74	54	-
	Nice ...	29.92	60	W	1	b	29.97	+0.04	59	57	+2	Z	0	0	1	70	54	-
	Perpignan ...	29.90	60	NE	3	0	29.90	-0.05	62	60	+3	NE	2	0	*	67	59	-
	Biarritz ...	29.80	78	S	2	c	29.73	-0.09	61	60	-2	SSE	2	0	0	82	59	0.16
	Corunna ...	*	*	*	*	*	29.78	+0.11	59	57	-1	S	2	0	2	72	52	0.08
PENIN- SULA.	Lisbon ...	29.82	60	SSW	6	-	29.96	+0.09	59	55	-3	WNW	4	0	5	63	55	0.67

For Explanation of Columns, see bottom of p. 4.

† Received too late for insertion in Charts on p. 2.

WEATHER CHARTS

for 8 a.m. on Monday, 1st June, 1891.

BAROMETER, WIND AND SEA.

EXPLANATION OF MAP.

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

Changes since previous morning are stated in words.

WIND—Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force thus—

→ = forces above 10; → = forces 8 to 10;
→ = forces 5 to 7; → = forces 1 to 4.

○ = dead calm.

SEA DISTURBANCE—Where considerable, is shewn thus:

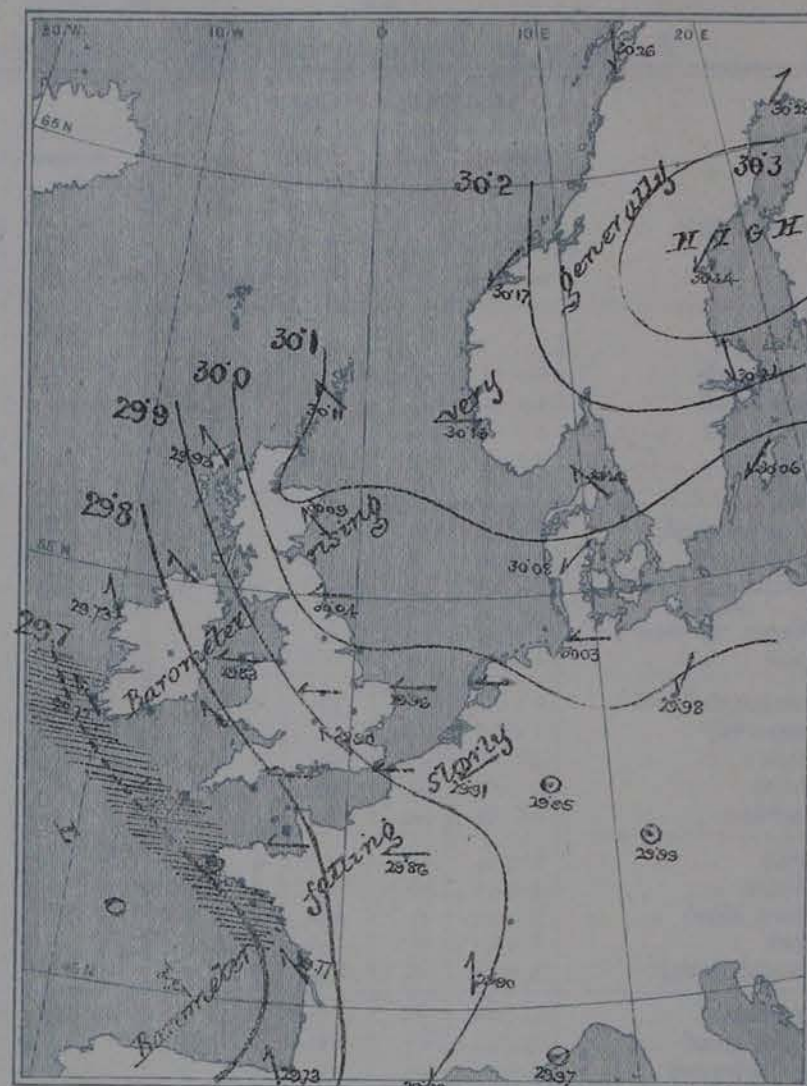
▨ = Rough. ▨ = High.

MEAN HEIGHT OF THE BAROMETER

at 8.0 a.m. for the month of June

During the 20 Years: 1871—1890.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.883
Stornoway	29.876
Wick	29.898
Nairn	29.904
Aberdeen	29.916
Leith	29.930
Shields	29.948
Spurn Head	29.964
York	29.969
Loughborough	29.980
Ardrossan	29.982
Mullaghmore	29.986
Donaghadee	29.946
Holyhead	29.960
Liverpool	29.968
Parsonstown	29.972
Valencia	29.975
Roche's Point	29.973
Pembroke	29.974
Scilly	29.996
Prawle Point	30.007
Jersey	30.010
Hurst Castle	29.988
Dover	29.982
LONDON	29.992
Oxford	29.986
Cambridge	29.985
Yarmouth	29.977



TEMPERATURE, & WEATHER AT 8 A.M., WITH RAINFALL IN PAST 24 HOURS.

TEMPERATURE—Isotherms are drawn for each 10°. Changes since previous morning are stated in words.

WEATHER is shown by letters of the Beaufort Scale.

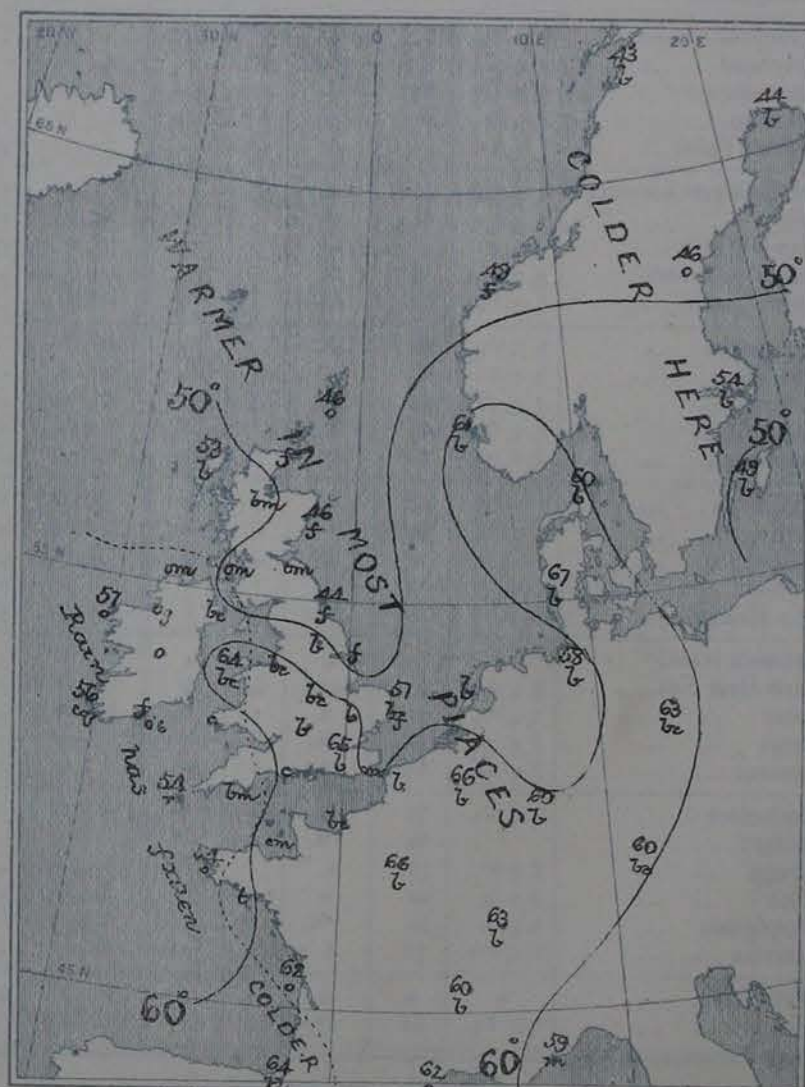
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of June.)

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry.	Wet.	
Sumburgh Head.....	54.6	45.0	50.3	48.6	1.98
Stornoway	58.0	46.0	53.3	51.1	2.85
Wick	58.9	45.5	53.3	50.7	1.74
Nairn	62.2	47.8	54.3	50.6	1.70
Aberdeen	61.2	47.2	54.8	50.8	1.77
Leith	63.9	47.9	55.9	52.3	1.80
Shields	60.6	48.7	54.8	51.7	1.71
Spurn Head.....	60.4	51.2	55.3	52.8	1.54
York	66.1	48.4	56.2	52.7	2.17
Loughborough	68.0	49.0	57.8	53.0	2.22
Ardrossan	62.0	49.5	55.1	52.1	2.49
Mullaghmore	61.1	51.4	54.9	52.0	2.79
Donaghadee.....	61.2	49.3	55.0	52.8	1.02
Holyhead	61.6	61.5	55.7	53.2	1.98
Liverpool	63.8	60.9	56.7	52.7	1.69
Parsonstown	64.5	48.5	56.0	52.6	2.39
Valencia	62.2	51.1	57.2	54.3	3.27
Roche's Point	64.5	51.1	56.8	53.6	3.13
Pembroke	60.3	51.5	55.2	53.1	1.94
Scilly	61.3	53.0	57.3	55.2	1.84
Prawle Point	61.5	59.5	58.9	54.0	1.60
Jersey	64.0	62.5	58.6	55.8	1.91
Hurst Castle	64.2	51.9	57.7	55.5	1.97
Dover	63.0	62.5	58.2	54.9	1.59
LONDON	69.1	60.6	58.9	54.6	2.11
Oxford	66.9	49.5	56.8	53.3	2.21
Cambridge	64.6	48.5	58.1	54.7	2.23
Yarmouth	62.0	51.1	56.9	54.0	1.88

NOTE.—The Temperature means are for the 20 years 1871-90, the Rainfall means are mainly those for the 25 years 1866-90.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.3 in. and upwards, in an anticyclone lying over the Gulf of Bothnia and its neighbourhood.
Lowest, 29.7 in. and less, in a large shallow depression extending from the Atlantic over the Bay of Biscay.
Gradients slight. Barometer falling a little over the Channel and Bay of Biscay, but rising elsewhere.

TEMPERATURE

Highest, 67° at Faro, 66° at Brussels and Paris, 65° in London, 64° at Biarritz, and 63° at Oxford, Cambridge, Berlin and Breslau.
Lowest, 43° at Bodo, 44° at Haparanda and Thule, and 46° at Hanko, Leningrad, K. K. K., and Aberdeen.
During yesterday the thermometer rose to 72° in London and at Cambridge and to 73° at Loughborough.

WIND

Light or moderate from the E² or SE² over the greater part of our Islands and France.
NE over Scandinavia, Denmark, and North Germany.
Calm or light and variable over Western Germany and the south of France.

WEATHER

Bull in Ireland and also in the west of France, with thunder at Lorient and Biarritz.
Fine in most other parts of Western Europe, but very foggy on the east coast of Great Britain. A partial solar halo was reported at Oxford.
Rain fell yesterday at most of our western stations, the largest amount being 0.6 in. at Rochford.

SEA

Rather rough off the mouth of the Channel and also at Valencia Island, but moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The shallow depression over the Bay of Biscay may possibly spread northwards and affect the weather over the southern part of our Islands. Over the Kingdom generally the weather will probably remain fine and dry for the present.

FORECASTS

For the 24 hours ending at NOON on 2nd JUNE 1891.

DISTRICTS.

FORECASTS.

- | | | |
|---|------------------|--|
| 0 | SCOTLAND NORTH | E ² and SE ² winds, light or moderate; fair generally, but local fogs. |
| 1 | SCOTLAND EAST | |
| 2 | ENGLAND N.E. | E ² winds, light; fair generally but foggy on coast. |
| 3 | ENGLAND EAST | |
| 4 | MIDLAND COUNTIES | E ² winds, moderate; fine and warm at first, doubtful later, possibly thunder. |
| 5 | ENGLAND SOUTH | |

DISTRICTS.

FORECASTS.

- | | | |
|----|---------------|--|
| 6 | SCOTLAND WEST | E ² and NE ² winds, light; fair generally. |
| 7 | ENGLAND N.W. | |
| 8 | ENGLAND S.W. | E ² winds, moderate; cloudy, thunderstorms locally. |
| 9 | IRELAND NORTH | |
| 10 | IRELAND SOUTH | SE ² winds, light or moderate; fair generally |

WARNINGS

The SOUTH CONE has been lowered this morning in districts 8, 10 and parts of 5 and 7.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR:	THER:		WIND		F.	WEA.	SEA		BAR:	THER:		WIND		F.	WEA.	SEA
		D.	W.	D.	F.						D.	W.	D.	F.			
Skudesnaes ...	30.06	57	55	N.W.	1	0		2	Holyhead ...	29.77	67	56	S.E.	4	0		3
Sumburgh Head									Valencia ...								
Stornoway ...	29.85	58	55	N.E.	4	0		4	Scilly ...								
Aberdeen ...									Jersey ...	29.52	63	58	E.E.	2	0		2
Shields ...									Dungeness ...	29.91	59	56	E	4	0		3
Ardrossan ...									London ...								*
Malin Head ...	29.65	59	52	S.E.	7	0		2	Yarmouth ...								
Mullaghmore ...									Rocheport ...	29.87	78	68	S.E.	3	0		*
Belmullet ...	29.48	56	54	S.E.	6	0		*									

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

Weather in morning fine and bright at many of the Spanish and Mediterranean stations as well as over the inland parts of Great Britain, France and Germany, foggy on our northeast, east and southeast coasts, cloudy or overcast elsewhere, showery in the west of our Islands and in some parts of Portugal, Corsica, Hungary. Rain later over the west of our Islands, Portugal and the southwest of France, thunderstorm at Biarritz, but fine weather continuing over central England, and fog at the eastern stations.

Temperature changing irregularly; fallen on the eastern coasts of St. Britain, risen inland. Morning readings highest 72° at Algiers, 71° at La Caille; exceeding 60° on the coasts of the Peninsula, Algiers and Italy, as well as over Austria and Germany; ranging between 65° and 68° over many parts of Russia and Sweden, lower elsewhere; below 50° on the north and east coasts of St. Britain, in Lapland and the north of Russia and as low as 45° at Bodö, 44° at Haparanda and Archangel. Rising to 73° at Loughborough, 72° at Cambridge and in London during day, to 70° and more in many parts of France, and to 82° at Rocheport and Biarritz.

Wind mainly N. over Sweden and the Gulf of Bothnia, N. to N.E. over the Baltic, E. to S.E. over the North Sea, S.E. over England, Ireland and the Bay of Biscay; very variable over the Continent. Light to moderate in force in most places, but strong to a gale in Ireland and on the coasts of Wales and Cornwall.

Barometer highest 30.2 ins. and more to 30.0 ins. over Scandinavia and the Gulf of Bothnia; 30.0 ins. and more over Algeria; and exceeding 29.9 ins. over the greater part of the Mediterranean, France, Germany and the North Sea. Lowest 29.4 ins. and less over the Atlantic, off the west of Ireland; 29.7 ins. and less over Hungary and southwestern Russia, 29.8 ins. and less in a small depression over the south of Sardinia. Hardly any change over western and northwestern Europe later.

SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD FROM THE 24TH TO 30TH MAY 1891

The weather of the past week has again been exceedingly changeable and showery with thunderstorms at many of the English and Irish stations.

These conditions have been brought about by a shallow cyclonic disturbance which has remained over or in the immediate neighbourhood of our Islands throughout nearly the whole week. The centre of the system was first observed on the morning of the 24th near the mouth of the Bristol Channel. Later in the day it moved eastwards along the south of England, and north-eastwards across our southeastern counties to the North Sea. On reaching our northeast coasts it remained stationary for a time but on the 26th it began to retrace its path in a W. direction, and on the three following days its centre moved slowly over the northern parts of England and Ireland, the disturbance eventually passing away over the Atlantic. During its progress the wind was mainly S.W. in the south, but S.E. in the north, with cool showery weather in all districts.

On the night of the 29th when the depression had passed away from our shores new disturbances began to approach our Islands from the southward and south-westward, and changeable unsettled weather therefore continued to prevail generally, with considerable falls of rain in some parts of Ireland and England.

Temperature was comparatively low for the time of year until quite the close of the period, when it did not differ much from the average. During the early part of the week the maxima over our Islands were below 50° at nearly all the eastern, northern and central stations.

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. The evening observations are taken at 8 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden and Denmark the observations are taken at 8 p.m. (Christiania time).

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DAILY WEATHER REPORT.

for *Tuesday 2nd June.* 1891.
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STATIONS.	YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
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SCANDINAVIA.	Haparanda ...	30.12	41	2	0	bc	30.15	-13	39	35	-5	N	6	b	*	50	34	—
	Hernösand ...	30.23	47	NE	2	bc	30.21	-13	49	44	+3	E	4	b	*	55	36	—
	Stockholm ...	30.18	53	ESE	4	c	30.15	-06	55	47	+1	N	4	bc	*	63	43	—
	Wisby ...	30.04	48	NE	4	b	30.05	-01	51	47	+2	NNE	4	b	*	54	45	—
	Bodö ...	30.30	41	NNE	4	0	30.41	+15	40	32	-3	N	4	c	2	45	?	—
	Christiansund	30.26	48	NE	6	c	30.33	+16	46	42	-3	NE	7	m	3	54	43	—
	Skudesnaes ...	30.15	64	NNW	2	b	30.12	-04	64	58	+3	ENE	2	b	1	70	52	—
	Christiania Fjord (Færder)	30.11	65	NNW	2	b	30.12	-06	58	55	-2	N	5	b	1	?	57	—
	Skagen (The Seaw)	30.09	58	NE	1	b	30.09	-05	61	56	+1	2	0	b	0	70	55	—
	Fanö ...	30.23	59	E	1	b	30.23	-05	65	57	-2	NNE	2	b	*	73	54	—
BRITISH ISLANDS.	Sumburgh Head	30.13	47	NE	3	b	30.16	+05	46	46	0	NE	4	b	4	45	43	—
	Stornoway ...	29.96	55	NE	4	bc	29.98	+05	58	54	+5	E	4	b	4	63	45	—
	Wick ...	30.10	47	SE	4	b	30.11	+03	52	50	+6	SE	5	b	3	52	42	—
	Nairn ...	29.91	58	NNE	3	b	30.00	-07	55	53	+3	NE	2	b	2	66	48	—
	Aberdeen ...	30.07	47	ESE	1	b	30.06	-03	56	52	+10	NE	2	b	3	57	42	—
	Leith ...	30.02	47	E	3	b	29.94	-09	54	51	+7	NE	2	bc	*	54	45	—
	Shields ...	29.97	51	N	3	b	29.91	-13	53	51	+3	E	2	c	3	53	41	—
	Spurn Head ...	29.86	52	NE	4	b	29.86	-12	54	52	+6	ESE	4	bc	4	53	45	—
	York ...	29.91	63	NNE	1	b	29.88	-13	55	56	+3	E	1	c	*	72	52	—
	Loughborough	29.81	69	ESE	3	b	29.86	-08	56	54	-5	WPN	2	c	*	74	54	0.03
GERMANY & HOLLAND.	Ardrossan ...	29.89	60	NE	2	0	29.84	-10	60	56	+11	NE	3	0	2	66	47	—
	Malin Head ...	29.82	56	SSE	4	cm	29.74	-10	51	49	-1	ESE	4	om	2	55	49	0.04
	Mullaghmore ...	29.77	56	NNE	2	cm	29.64	-15	58	52	-1	SSE	6	ogm	4	60	52	0.10
	Belmullet ...	29.75	58	ESE	2	og	29.53	-20	56	55	-1	E	6	bc	*	63	52	0.13
	Donaghadee ...	29.82	59	E	3	c	29.81	-08	52	50	+1	SE	5	0	3	59	50	0.05
	Liverpool (Bidston)	29.78	68	E	5	b	29.85	-05	53	51	-10	0	1	0	2	71	53	—
	Holyhead ...	29.75	61	ESE	4	b	29.82	-01	57	53	-7	0	4	b	4	69	51	0.26
	Parsonstown ...	29.67	63	SE	1	c	29.66	-12	55	51	0	SE	2	0	*	65	53	0.03
	Valencia ...	29.71	53	NE	1	pm	29.51	-21	51	50	-5	SW	8	ph	7	61	50	1.12
	Roche's Point...	29.66	54	NW	3	p	29.66	-09	52	50	0	0	4	c	4	56	50	1.45
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	29.60	66	E	5	c	29.86	+02	53	52	-5	SSE	2	b	4	70	50	0.06
	Scilly ...	29.53	53	SSW	2	p	29.77	+05	56	55	+2	SSE	4	bc	4	56	52	1.15
	Prawle Point ...	29.64	53	E	5	b	29.87	+12	52	52	-6	SSE	2	cm	2	60	49	0.26
	Jersey (St. Aubin's)	29.66	58	SE	3	cg	29.91	+17	55	53	-11	0	3	bcn	3	73	51	0.37
	Hurst Castle ...	29.71	62	SE	6	c	29.90	+18	54	53	-7	WPN	3	bc	2	70	52	0.03
	Dungeness ...	29.74	56	ESE	4	cp	29.88	+12	58	54	+1	NW	3	c	2	62	51	0.11
	London ...	29.78	66	SE	3	b	29.85	-01	57	52	-8	WPN	2	c	*	72	52	0.08
	Oxford ...	29.74	62	E	4	bc	29.83	0.0	55	51	-8	W	2	bcn	*	73	51	0.16
	Cambridge ...	29.80	68	E	1	b	29.88	-06	57	55	-6	SW	1	0	*	75	54	—
	Yarmouth ...	29.85	58	ESE	4	b	29.86	-10	54	53	+3	SSE	1	bcn	3	58	49	—
PENINSULA.	Cuxhaven ...	30.02	58	E	4	b	30.01	-02	56	53	-2	ESE	3	b	*	59	53	—
	Berlin ...	29.92	63	N	3	0	29.91	-07	57	53	-6	NNW	3	0	*	70	54	0.16
	Wiesbaden ...	*	*	*	*	*	29.85	-06	62	58	+2	NE	1	b	*	72	52	—
	Munich ...	29.93	60	NNE	1	b	29.95	-04	63	56	+3	SW	4	bc	*	68	50	—
	The Helder ...	29.91	61	NE	2	b	29.95	-04	60	57	+1	ESE	2	b	2	64	59	—
	Brussels (9 a.m.)	*	*	*	*	*	29.87	-04	62	59	-4	SW	1	0	*	75	56	0.04
	Cape Gris Nez	29.76	66	NE	4	m	29.86	-02	52	50	-10	W	4	0	3	66	50	0.08
	Paris ...	29.82	59	NE	1	b	29.93	+07	53	53	-11	2	0	p	*	80	51	0.39
	Brest ...	29.84	52	NNW	4	0	29.84	+09	?	53	?	0	3	bc	4	?	50	0.43
	Lorient ...	29.75	54	WPN	3	0	29.88	+12	55	53	-2	SSW	1	bc	5	61	52	0.32
FRANCE AND BELGIUM.	Rocheport ...	29.82	60	W	4	bc	29.88	+11	57	56	-5	NNW	3	0	*	72	46	0.48
	Belfort ...	29.82	67	W	3	bc	29.90	0.0	64	59	+1	N	3	bc	*	77	50	0.04
	Lyons ...	29.82	67	0	3	bc	30.00	+18	55	54	-5	NNW	2	p	*	74	54	0.12
	Nice ...	29.99	58	SW	2	m	30.00	+03	55	55	0	NE	2	e	1	70	53	—
	Perpignan ...	29.86	62	NE	2	0	29.84	-06	57	58	-3	SW	2	e	*	66	57	0.12
	Biarritz ...	29.85	64	ESE	1	bc	29.91	+18	55	53	-9	N	2	p	2	70	54	0.55
PENINSULA.	Corunna ...	30.02	59	SW	4	b	30.04	+08	59	56	0	SSW	4	c	6	63	55	—
	Lisbon ...	30.02	59	SW	4	b	30.04	+08	59	56	0	SSW	4	c	6	63	55	—

For Explanation of Columns, see bottom of p. 4.

† Received too late for insertion in Charts on p. 2.

WEATHER CHARTS

for 8 a.m. on Tuesday, 27 June, 1891.

BAROMETER, WIND AND SEA.

EXPLANATION OF MAP

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

Changes since previous morning are stated in words.

WIND—Arrows show the prevalent winds. They fly with the wind and

their barbs and feathers refer to force thus—

→ force above 19; →→ force 8 to 10;

→→ force 5 to 7; →→ force 1 to 4.

○ = dead calm.

SEA DISTURBANCE—Where considerable, is shown thus:

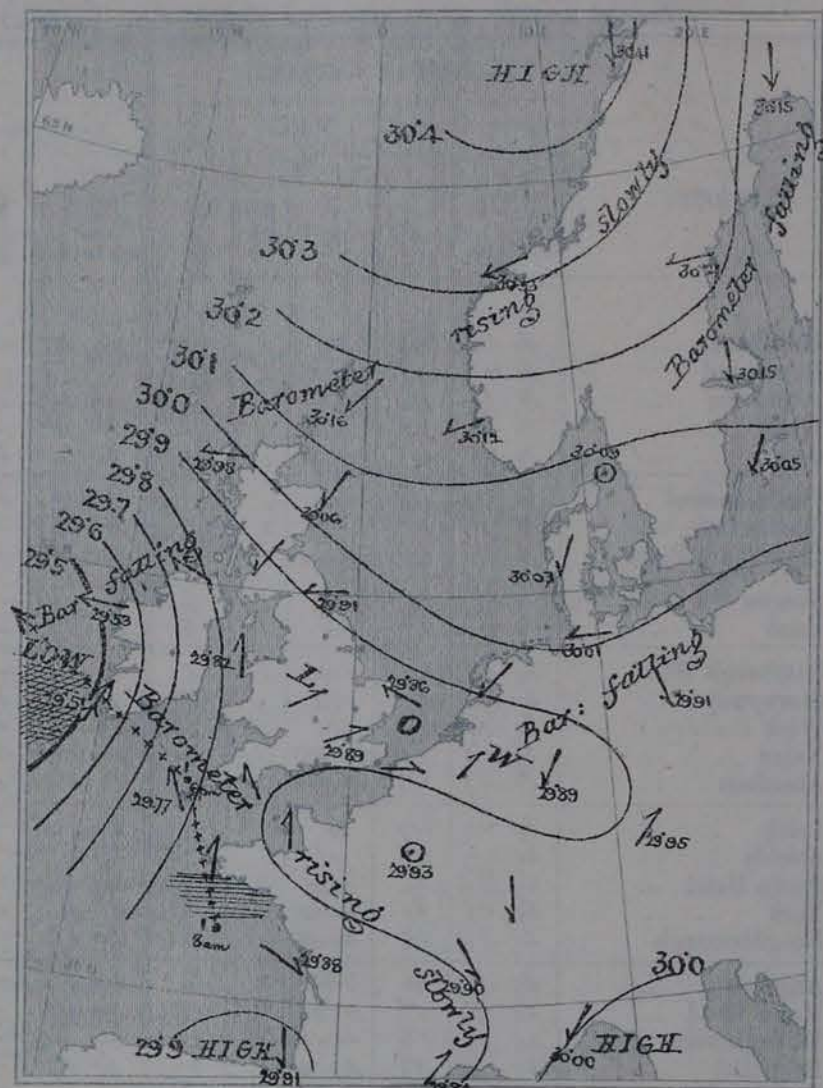
▨ = Rough. ▨ = High.

MEAN HEIGHT OF THE BAROMETER

at 8 a.m. for the month of June

During the 29 Years: 1871—1890.

STATIONS.	MEAN READINGS.
Sambargh Head	29.883
Stornoway	29.875
Wick	29.898
Nairn	29.901
Aberdeen	29.910
Leith	29.930
Sheffield	29.948
Spurn Head	29.964
York	29.969
Loughborough	29.980
Ardrossan	29.992
Mullaghmore	29.996
Donaghadee	29.940
Holyhead	29.966
Liverpool	29.966
Raynstown	29.972
Valencia	29.975
Roshe's Point	29.978
Penrhos	29.974
Scilly	29.996
Travle Point	30.007
Jersey	30.010
Hurst Castle	29.998
Dover	29.982
LONDON	29.992
Oxford	29.986
Cambridge	29.985
Vermouth	29.977



TEMPERATURE, & WEATHER AT 8 A.M., WITH RAINFALL IN PAST 24 HOURS.

TEMPERATURE—Isotherms are drawn for each 10°. Changes since previous morning are stated in words.

WEATHER—Is shown by Letters of the Beaufort Scale.

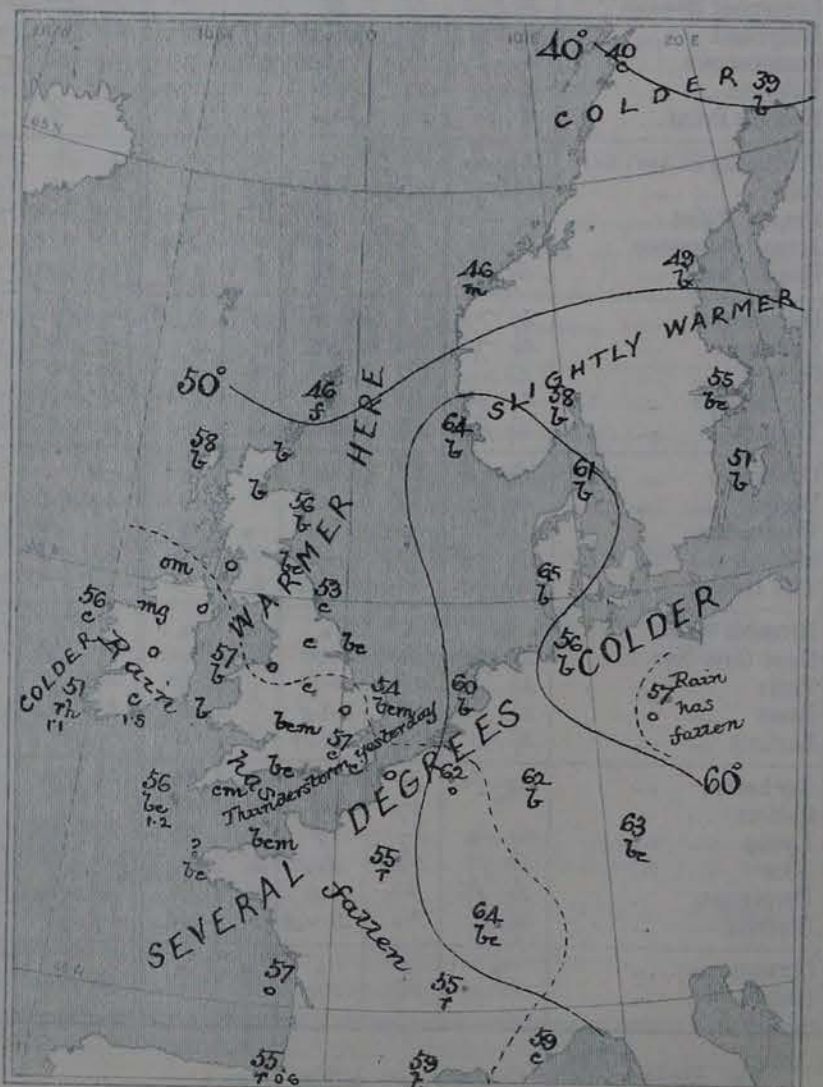
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of June.)

STATIONS.	TEMPERATURE.				RAINFALL. (Inches)
	Daily Max.	Daily Min.	Air 8 a.m.	At 5 p.m.	
Sambargh Head	54.0	45.0	50.3	48.5	1.08
Stornoway	58.0	45.0	53.3	51.1	2.85
Wick	58.0	45.0	53.3	50.7	1.74
Nairn	62.2	47.8	54.3	50.6	1.70
Aberdeen	61.2	47.2	54.8	50.8	1.77
Leith	63.0	47.0	55.0	52.3	1.80
Sheffield	60.0	45.7	54.8	51.7	1.71
Spurn Head	60.1	51.2	55.3	52.8	1.01
York	66.2	45.4	56.2	52.7	2.17
Loughborough	68.6	49.0	57.8	53.9	2.22
Ardrossan	62.0	49.5	55.1	52.1	2.49
Mullaghmore	61.1	61.4	54.9	52.0	2.79
Donaghadee	61.2	49.3	55.0	52.4	1.02
Holyhead	61.0	51.5	55.7	53.2	1.98
Liverpool	65.8	50.8	56.7	52.7	1.80
Raynstown	64.6	48.5	56.0	52.6	2.30
Valencia	62.2	61.1	57.9	54.3	3.27
Roshe's Point	64.5	61.1	56.8	53.6	3.13
Penrhos	60.3	61.5	55.2	54.1	1.04
Scilly	61.3	53.0	57.3	55.2	1.84
Travle Point	61.5	50.6	56.9	54.6	1.80
Jersey	63.0	52.5	58.6	55.3	1.91
Hurst Castle	64.2	61.8	57.7	55.5	1.97
Dover	63.0	62.5	58.2	54.9	1.59
LONDON	63.1	50.0	58.9	54.6	2.11
Oxford	60.9	49.5	56.8	54.3	2.21
Cambridge	63.0	49.5	58.1	54.7	2.23
Vermouth	62.0	51.1	56.0	54.0	1.88

NOTE—The Temperature means are for the 20 years 1871-90, the Rainfall means are mainly those for the 25 years 1866-90.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.4 in. and upwards, in an anticyclone lying off the northwest of Norway.
 Lowest, 29.5 in. and less, in a depression lying off the west of Ireland.
 Gradients rather steep over Ireland, but slight elsewhere, and very irregular over France and Germany.
 Barometer falling in the north of Ireland and also in Sweden and North Germany, but rising elsewhere.

TEMPERATURE

Highest, 65° at Paris, 64° at Stockholm and Belfast, 63° at Munich, 62° at Brussels and Wiesbaden, and 61° at Ragon.
 Lowest, 39° at Haparanda, 40° at Rostock, 46° at Christiansund and Sumburg H., 48° at Heringsand, and 51° at Valencia Island.
 During yesterday the thermometer rose to between 70° and 75° over the central and southern parts of England.

WIND

SE or E over the greater part of the United Kingdom, but S in the south of Ireland, and N in the southeast of England; strong in force on the Irish coast, with a gale at Valencia Island.
 Moderate from the N. in Sweden, and light from the same quarter in the south of France.
 E on the eastern shore of the North Sea; variable in Germany.

WEATHER

Dull in Ireland and France, with heavy rain in places, and thunder at Perpignan.
 Fine at present in most other parts of Western Europe.
 Thunderstorms occurred yesterday at many of our southern stations, and heavy rain fell on our southern coasts, the largest amount being 1.5 in. at Folkestone, 1.2 in. at Bally, and 1.1 in. at Valencia Island.

SEA

Moderate to smooth generally, but high at Valencia Island, and rather rough at Orient.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The shallow depression which lay yesterday morning over the Bay of Biscay subsequently became deeper and advanced to our southwest coasts. In the course of the night the system has apparently travelled northwards across the extreme south of Ireland and this morning it is passing away over the Atlantic. A shallow trough of low reading has in the meantime appeared over England and the Netherlands. The distribution of pressure over the eastern and southern parts of our Islands, and the neighbouring parts of the Continent is very complex, and is in favour of a continuance of changeable thunder weather.

FORECASTS

For the 24 hours ending at NOON on 3rd JUNE. 1891.

DISTRICTS.

FORECASTS.

0	SCOTLAND NORTH	E ³ Winds, fresh or strong; fair generally.
1	SCOTLAND EAST	NE ² to E ³ winds, freshening; fine to showery.
2	ENGLAND N.E.	E ³ winds, moderate; changeable, some showers, thunder locally.
3	ENGLAND EAST	W ² to S ³ winds, light; changeable, some rain, thunder locally.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	

DISTRICTS.

FORECASTS.

6	SCOTLAND WEST	E ³ winds, moderate or fresh; dull, some rain.
7	ENGLAND N.W.	S ³ winds, moderate or fresh; changeable, showery, thunder locally.
8	ENGLAND S.W.	
9	IRELAND NORTH	E ³ and SE ³ winds, strong; dull, some rain.
10	IRELAND SOUTH	S ³ winds, strong; dull, some rain.
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.

THER: WIND								THER: WIND							
	BAR:	D.	W.	D.	F.	WEA.	SEA		BAR:	D.	W.	D.	F.	WEA.	SEA
Skudesnaes ...	30.17	69	58	WNW	2	c	2	Holyhead ...	29.80	68	58	E	4	bc	3
Sumburgh Head ...	30.13	47	47	NE	2	o	3	Valencia ...	29.74	61	56	2	o	om	1
Stornoway ...	29.96	62	61	NE	2	o	2	Scilly ...	29.61	53	53	WNE	4	o	6
Aberdeen ...	30.09	47	47	E	1	f	2	Jersey ...	29.60	69	61	SE	4	o	3
Shields ...	30.01	48	47	NNE	2	f	3	Dungeness ...	29.79	61	58	ENE	5	m	3
Ardrossan ...	29.92	66	60	S	2	om	2	London ...	29.83	69	62	SE	3	o	*
Mulin Head ...	29.86	51	50	SE	4	om	2	Yarmouth ...	29.93	57	54	ENE	2	o	2
Mullaghmore ...	29.81	58	56	ESE	4	og	3	Rocheport ...	29.74	63	61	S	5	c	?
Belmullet ...	29.78	63	59	S	2	og	*								

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

Weather dull in Ireland and also in Austria, and the western part of France and Italy, with thunder at Lorient and Biscay. Fine in most other parts of Europe, but very foggy along the east coast of Great Britain. Thunderstorms occurring later over nearly the whole of France and the south of our Islands, and very heavy rain falling on our southwest coasts, the largest amounts reported next morning being 1.5 in. at Gouernant, 1.2 in. at Scilly, and 1.1 in. at Valencia.

Temperature highest 72° at Trieste, 70° at Palma, 69° at Barcelona and Algiers and Faro; above 60° in many parts of central southern and eastern Europe, as well as over the inland parts of England. Lowest 34° at Archangel, 36° at Uleaborg, 43° at Bodo, and 44° at Haparanda and Shields, below 50° over the northern parts of Scandinavia, and the northern and eastern part of the United Kingdom generally. Rising during day to between 70° and 75° at many of the English and Continental stations, but remaining below 55° on our northeast coast.

Wind light to moderate from the E² or SE² over our Islands and France, and from the NE² over Scandinavia, Denmark, the Baltic and the greater part of Russia. Light from the NW² over central and eastern Germany; variable in Italy; SW¹ over Spain. Subsequently shifting to the W² in the west of France and to the N² in Ireland.

Barometer highest, 30.3 in. and upwards in an anticyclone lying over Finland and the north of Sweden; 30.1 in. and upwards over Algeria and the south of Spain. Lowest 29.7 in. and less, in three depressions lying respectively over eastern Austria, the Bay of Biscay, and to the southward of Ireland. Depression over Bay of Biscay subsequently growing deeper, and advancing to our southwest coasts, barometer falling steadily in the south of England.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

The evening observations are taken at 8 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden and Denmark the observations are taken at 8 p.m. (Christiania time).

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 *Wednesday 3rd June.* 1891.
 Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

R. H. SCOTT, Secretary.																		
STATIONS.	YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	BAROM.	TEMP.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
	Reading at 32° F. and Sea Level.	Dry.	Dir.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.		
SCANDINAVIA.	Haparanda ...	30.28	34	N	4	bc	30.19	+0.4	36	32	-3	N	6	C	*	45	34	—
	Hernösand ...	30.30	42	NE	2	C	30.32	+1.1	42	36	-7	NNE	4	C	*	53	37	—
	Stockholm ...	30.16	45	N	6	bc	30.19	+0.4	44	37	-11	N	6	C	*	63	44	—
	Wisby ...	30.04	46	ENE	6	bc	30.05	0.0	44	41	-7	ENE	6	bc	*	54	43	—
	Bodö ...	30.45	39	N	6	C	30.41	0.0	38	38	-2	WNW	4	O	2	52	36	—
	Christiansund	30.37	44	NE	4	bc	30.36	+0.3	40	40	-1	ENE	6	C	3	48	41	—
	Skudesnaes ...	30.06	60	NNW	4	bc	30.05	-0.7	54	52	-10	ESE	2	C	1	70	48	—
	Christiania Fjord (Færder)	30.06	64	NNW	2	bc	30.19	+0.7	46	43	-12	ENE	5	C	3	66	46	—
	Skagen (The Scaw)	30.03	59	L	0	bc	30.07	-0.2	56	52	-5	SSE	1	O	3	73	54	0.08
	Fanö ...	30.00	59	ENE	4	bc	30.05	+0.2	60	54	-5	SE	4	C	*	72	52	—
BRITISH ISLANDS.	Sumburgh Head	30.17	48	NE	5	bc	30.17	+0.1	45	43	-1	NE	7	C	7	49	43	—
	Stornoway ...	30.00	62	E	4	bc	30.11	+1.3	53	52	-5	E	4	C	4	69	46	—
	Wick ...	30.16	48	ESE	2	bc	30.20	+0.9	48	46	-4	ESE	4	C	3	57	44	—
	Nairn ...	30.01	60	ENE	3	bc	30.16	+1.6	48	47	-7	E	2	om	1	74	44	0.01
	Aberdeen ...	30.09	54	NE	2	bc	30.15	+0.9	50	48	-6	N	3	O	3	59	45	—
	Leith ...	29.99	53	E	3	bc	30.09	+1.5	46	46	-8	NE	2	m	*	58	45	—
	Shields ...	29.99	53	ENE	2	bc	30.02	+1.1	54	51	+1	NNW	3	bc	3	55	48	—
	Spurn Head ...	29.90	53	ESE	3	bc	29.90	+0.4	56	53	+2	ENE	4	C	4	56	50	0.15
	York ...	29.93	62	E	1	bc	29.96	+0.9	62	58	+3	E	2	bc	*	62	47	0.18
	Loughborough	29.88	67	SWW	1	O	29.91	+0.5	58	52	-3	NE	1	mfg	*	71	50	0.22
GERMANY & HOLLAND.	Ardrossan ...	29.94	55	NW	1	O	29.99	+1.5	57	54	-3	NE	3	C	2	61	47	0.15
	Malin Head ...	29.88	53	ESE	2	bc	29.92	+1.8	53	50	+2	ESE	5	bc m	3	61	49	—
	Mullaghmore ...	29.83	63	ESE	4	C	29.86	+2.2	53	52	-2	E	5	om	3	63	49	—
	Belmullet ...	29.79	63	SSE	3	C	29.79	+2.6	56	55	0	E	3	O	*	65	47	—
	Donaghadee ...	29.94	53	SE	2	C	29.93	+1.2	54	51	+2	ESE	5	bc	3	58	50	0.01
	Liverpool (Bidston)	29.91	54	NW	1	O	29.89	+0.4	57	54	+4	E	2	C	3	61	52	0.17
	Holyhead ...	29.93	58	NNE	1	C	29.86	+0.4	55	54	-2	E	3	mfg	2	64	51	0.04
	Parsonstown ...	29.84	61	SE	1	bc	29.79	+1.3	60	58	+5	SE	1	bc	*	64	46	—
	Valencia ...	29.74	57	SE	6	bc	29.59	+0.8	56	52	+5	E	7	O	6	61	50	0.04
	Roche's Point...	29.81	53	S	4	bc	29.71	+0.5	53	49	+1	ESE	6	C	4	56	50	—
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	29.89	56	SE	1	bc	29.80	0.0	56	58	+3	SE	4	C	4	58	49	—
	Scilly ...	29.83	54	ESE	4	bc	29.64	+1.8	53	51	-3	ESE	5	C	4	58	50	0.01
	Prawle Point ...	29.90	54	E	2	bc	29.81	-0.6	53	52	+1	E	4	bc	3	58	49	—
	Jersey (St. Aubin's)	29.92	60	NNW	2	bc m	29.89	-0.6	58	58	+3	E	3	om	3	63	52	—
	Hurst Castle ...	29.91	57	WNW	3	bc	29.88	-0.2	60	56	+6	NNW	2	C	1	61	49	—
	Dungeness ...	29.89	54	W	3	C	29.89	-0.3	57	56	-1	WNW	3	m	1	60	53	0.05
	London ...	29.89	62	WNW	1	O	29.89	-0.2	58	57	+1	SW	1	O	*	64	54	0.06
	Oxford ...	29.90	58	NNW	1	bc	29.88	-0.1	58	54	0	NE	1	O	*	66	52	—
	Cambridge ...	29.90	60	W	1	C	29.88	0.0	57	56	0	N	1	C	*	70	53	0.35
	Yarmouth ...	29.89	57	E	2	bc	29.89	+0.3	58	53	+1	E	4	bc	4	59	52	0.41
PENINSULA.	Cuxhaven ...	?	61	E	4	bc	30.02	+0.1	56	54	0	E	4	C	*	58	54	—
	Berlin ...	29.88	62	NNE	4	C	29.94	+0.3	54	50	-3	NE	4	C	*	68	45	0.24
	Wiesbaden ...	*	*	*	*	*	29.89	-0.2	63	59	+1	?	0	?	*	75	57	0.08
	Munich ...	29.82	63	SE	2	O	29.91	-0.4	59	52	-10	W	6	O	*	73	52	0.12
	The Helder ...	29.88	62	NE	2	bc	29.98	0.0	58	54	-2	ENE	3	C	3	63	57	—
	Brussels (a.m.)	*	*	*	*	*	29.89	+0.2	58	58	-7	WNW	1	m	*	67	53	0.08
	Cape Gris Nez	29.88	52	WNW	2	C	29.88	-0.1	54	53	+2	SW	1	C	2	58	50	0.16
	Paris ...	29.89	60	NNW	3	bc	29.98	+0.2	58	53	0	WNW	2	C	*	64	46	—
	Brest ...	29.91	58	S	2	bc	29.74	-1.0	54	53	?	SE	5	bc	3	61	50	—
	Lorient ...	29.91	58	SWW	1	bc	29.78	-1.3	58	58	0	SE	5	O	3	61	52	—
FRANCE AND BELGIUM.	Rochefort ...	30.36	61	NNW	3	bc	29.90	+0.2	56	58	-1	SE	5	O	2	68	45	0.20
	Belfort ...	?	63	W	3	C	?	?	58	52	-9	W	4	C	*	78	50	1.96
	Lyons ...	29.86	54	S	2	O	29.99	+0.9	57	53	+2	SW	1	O	*	61	53	0.35
	Nice ...	29.88	58	SW	4	bc	29.88	-1.2	62	56	+3	NE	1	C	4	70	55	—
	Perpignan ...	29.94	66	NW	4	bc	29.88	+1.4	62	57	+3	W	1	bc	*	71	57	0.35
	Biarritz ...	29.96	64	E	3	bc	29.84	-0.7	67	57	+12	SE	3	O	1	68	55	—
PENINSULA.	Coruna ...	*	*	*	*	*	29.89	-1.7	61	60	+2	S	5	C	4	64	?	—
	Lisbon ...	29.99	61	S	5	O	29.87	-1.7	61	60	+2	S	5	C	4	64	?	—

WEATHER CHARTS

for 8 a.m. on Wednesday, 3rd June, 1891.

BAROMETER, WIND AND SEA.

EXPLANATION OF MAP

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

Changes since previous morning are stated in words.

WIND—Arrows show the prevalent winds. They fly with the wind and

their barbs and feathers refer to force thus—

— forces above 10 — forces 8 to 10;

— forces 5 to 7 — forces 1 to 4.

— dead calm.

SEA DISTURBANCE—Where considerable, is shown thus:

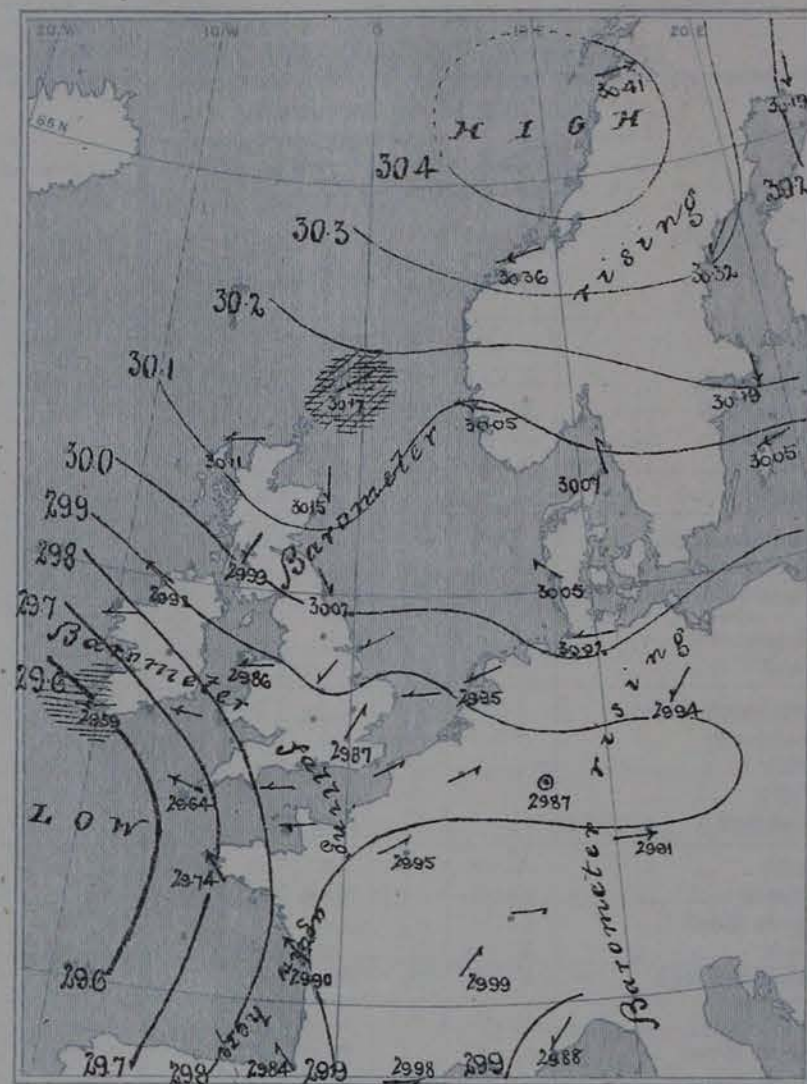
— Rough. — High.

MEAN HEIGHT OF THE BAROMETER

at 8.0 a.m. for the month of June

During the 20 Years: 1871—1890.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.883
Stornoway	29.876
Wick	29.898
Nairn	29.904
Aberdeen	29.916
Leith	29.930
Shields	29.948
Spurn Head	29.964
York	29.969
Loughborough	29.980
Ardrossan	29.932
Mullaghmore	29.936
Donsghadze	29.940
Holyhead	29.986
Liverpool	29.966
Parsonstown	29.972
Valencia	29.975
Roche's Point	29.978
Pembroke	29.971
Silly	29.996
Prawle Point	30.067
Jersey	30.010
Hurst Castle	29.938
Dover	29.982
LONDON	29.992
Oxford	29.980
Cambridge	29.985
Yarmouth	29.977



TEMPERATURE, & WEATHER AT 8 A.M., WITH RAINFALL IN PAST 24 HOURS.

TEMPERATURE—Isotherms are drawn for each 10°. Changes since previous morning are stated in words.

WEATHER—is shown by Letters of the Beaufort Scale.

RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of June.)

STATIONS.	TEMPERATURE.				RAINFALL (Inches.)
	Mean.	Daily Min.	at 8 a.m.		
			Dry.	Wet.	
Sumburgh Head.....	54.0	45.0	50.3	48.6	1.98
Stornoway.....	58.0	45.9	53.3	51.1	2.85
Wick.....	55.6	45.5	53.3	50.7	1.74
Nairn.....	62.2	47.8	54.3	50.6	1.70
Aberdeen.....	61.2	47.2	54.8	50.6	1.77
Leith.....	65.0	47.0	55.9	52.3	1.80
Shields.....	60.6	48.7	54.8	51.7	1.71
Spurn Head.....	60.4	51.4	55.3	52.8	1.54
York.....	60.1	48.4	56.2	52.7	2.17
Loughborough.....	68.6	49.0	57.8	53.9	2.22
Ardrossan.....	62.0	49.5	55.1	52.1	2.49
Mullaghmore.....	61.1	51.4	54.0	52.0	2.79
Donsghadze.....	61.2	49.3	55.0	52.8	1.92
Holyhead.....	61.6	51.5	55.7	53.2	1.98
Liverpool.....	63.8	50.9	56.7	52.7	1.89
Parsonstown.....	64.5	48.5	56.0	52.6	2.39
Valencia.....	62.2	51.1	57.2	54.3	3.27
Roche's Point.....	64.5	51.1	56.8	53.6	3.13
Pembroke.....	60.3	51.5	55.2	53.1	1.94
Silly.....	61.3	53.0	57.3	55.2	1.84
Prawle Point.....	61.8	50.5	56.9	54.0	1.60
Jersey.....	64.6	52.5	58.6	55.8	1.91
Hurst Castle.....	64.2	51.9	57.7	55.6	1.97
Dover.....	63.0	52.5	58.2	54.9	1.59
LONDON.....	63.1	50.6	58.9	54.6	2.11
Oxford.....	66.9	49.5	56.8	53.3	2.21
Cambridge.....	68.0	48.5	58.1	54.7	2.23
Yarmouth.....	62.0	51.1	56.9	54.0	1.88

NOTE—The Temperature means are for the 20 years 1871-90, the Rainfall means are mainly those for the 25 years 1866-90.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.4 ins. and upwards, in an anticyclone lying off the northwest of Norway.
 Lowest, 29.6 ins. and less, in a depression lying to the southward of our Islands; 29.9 and less, in a shallow trough extending eastwards across the Channel and southeast of England to Germany.
 Gradients slight generally. Barometer falling in the southern parts of the United Kingdom and west of France, but rising elsewhere.

TEMPERATURE

Highest, 67° at Biarritz, 63° at Wiesbaden, 62° at York, Kiev, and Perpignan, 61° at Lisbon, and 60° at Tanis and Hurst Castle.
 Lowest, 36° at Haparanda, 38° at Bodo, 42° at Helsingfors, 44° at Stockholm and Wibby, and 45° at Lumburg Hl.
 During yesterday the thermometer rose to 70° at Cambridge and 71° at Loughborough.

WIND

E³ over the greater part of the United Kingdom and the North Sea; strong in force in the south of Ireland and also in the Shetlands.
 Fresh from the SE² in the west of France, and from the S² at Lisbon.
 Light from the W² or SW² in the extreme southeast of England, and eastern and central parts of France.
 Moderate to strong from the N² or NE² in Sweden.

WEATHER

Fair over the greater part of Western Europe, but dull at several of our southern and the French stations, with rain at Sicily, Cambridge and Belfort as well as at Lisbon.
 Thunderstorms occurred yesterday in many parts of Gt. Britain and France, and heavy rain (2 ins.) was measured this morning at Belfort (France).

SEA

High at Lumburg Hl. and rough at Valencia Island, but moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression which has appeared in the west does not seem likely to spread very far over our Islands, but the general distribution of pressure over our southern district and the neighbouring parts of the Continent is still very irregular, so that changeable thundery weather is still probable.

FORECASTS

For the 24 hours ending at NOON on 4TH JUNE 1891.

DISTRICTS.

FORECASTS.

- | | | |
|---|------------------|---|
| 0 | SCOTLAND NORTH | E ² winds, moderate or fresh; fair generally. |
| 1 | SCOTLAND EAST | |
| 2 | ENGLAND N.E. | E ² winds, moderate; fine to cloudy and unsettled, thunder locally. |
| 3 | ENGLAND EAST | Variable breezes, finally E ² ; changeable some rain, thunder locally. |
| 4 | MIDLAND COUNTIES | |
| 5 | ENGLAND SOUTH | |

DISTRICTS.

FORECASTS.

- | | | |
|----------|---------------|--|
| 6 | SCOTLAND WEST | E ² winds, light or moderate; fair generally. |
| 7 | ENGLAND N.W. | |
| 8 | ENGLAND S.W. | E ² winds, strong; changeable, some rain thunder locally. |
| 9 | IRELAND NORTH | Same as No 0 and 1 |
| 10 | IRELAND SOUTH | Same as No 8. |
| WARNINGS | | None Issued |

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR:	THER:		WIND		WEA.	SEA		BAR:	THER:		WIND		WEA.	SEA
		D.	W.	D.	F.					D.	W.	D.	F.		
Skudesnaes ...	30.10	69	59	NW	4	b	2		Holyhead ...	29.91	63	56	W	1	b
Sumburgh Head ...	30.17	47	47	NE	0	b	5		Valencia ...	29.71	56	57	SE	6	c
Stornoway ...	29.97	69	62	SE	6	b	5		Scilly ...	29.83	58	56	SE	4	bc
Aberdeen ...	30.09	57	53	E	2	b	3		Jersey ...	29.90	61	57	ESE	2	bm
Shields ...	29.97	54	51	ENE	2	c	3		Dungeness ...	29.88	57	55	W	3	c
Ardrossan ...	29.93	55	53	S	1	o	1		London ...	29.87	64	57	W	1	o
Mulin Head ...	29.81	53	51	ESE	4	o	2		Yarmouth ...	29.82	57	55	E	2	bc
Mullaghmore ...	29.80	60	53	ESE	5	c	3		Rochefort ...	29.75	60	57	WNW	4	o
Belmullet ...	29.73	61	57	SE	6	bc	*								

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

Weather dull in Ireland and France, as well as over Austria, Eastern Germany, and a considerable portion of Russia, with rain in many places; rain very heavy at Valencia Island and accompanied by hail. Fair or fine in nearly all other parts of Europe. Thunderstorms occurring during day in many parts of Great Britain and France with heavy rain in places; as much as 2 ins. reported at Welfort on following morning.

Temperature 70° at Algiers and La Calle, 75° at Tunis, 72° at Biskia, and 71° at Palma and Sfax; above 60° over central southern, and eastern Europe generally, as well as in Denmark and the south of Norway. Lowest 39° at Haparanda, 40° at Archangel, and 40°, 41° at Uleaborg and 46° at Christiansund and Sumburgh Head; below 55° at several of our western and northern stations. Rising during day to 70° at Cambridge, and 71° at Foughborough, but remaining below 60° at several of our western, northern and eastern stations.

Wind SE over the greater part of the United Kingdom, but S in the south of Ireland, with a gale at Valencia Island, and SW or W over the southeast of England. Moderate to strong from the NE or NW over Scandinavia, Denmark, and the Baltic, SW or S over the southern parts of Germany, NW in the south of France, SW or S over the western parts of the Spanish Peninsula and also in Algeria; variable in Italy. Subsequently backing to the SE in the south of Ireland; very little change elsewhere.

Barometer highest 30.4 ins. and upwards, in an anticyclone lying off the northwest of Norway; 30.1 ins. and upwards, in another system lying over the south of Spain. Lowest, 29.5 ins. and less, in a well marked depression off the west of Ireland, 29.8 ins. and less, in a large shallow disturbance lying over the southwest of Russia. Depression off our west coasts subsequently travelling away over the Atlantic and barometer rising decidedly in Ireland.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—Beaufort Scale is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. equally; 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.
The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden and Denmark the observations are taken at 8 p.m. (Christiania time).

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 *Thursday 4th June.* 1891.
 Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

STATIONS.		YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
		BAROM.	TEMP.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 6.)	SHADE TEMP.		Amount of Rainfall.	
				Force. (0 to 12.)			Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Direc.	Force. (0 to 12.)			Max.	Min.		
		Reading at 32° F. and Sea Level.	Dry.	Direc.	Force. (0 to 12.)	Weather.	Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Direc.	Force. (0 to 12.)	Weather.	Sea. (0 to 6.)	Max.	Min.	Amount of Rainfall.	
SCANDINAVIA.	Haparanda ...	30.06	36	N	6	0	30.01	-18	35	32	-1	N	6	0	•	43	30	•	
	Hernösand ...	30.19	41	E	2	0	30.09	-23	43	36	+1	NNW	4	bc	•	52	36	—	
	Stockholm ...	30.17	38	N	4	bc	30.13	-06	43	36	-1	N	4	bc	•	46	37	—	
	Wisby ...	30.07	39	ESE	4	bc	30.09	+04	42	38	-2	NE	4	bc	•	46	37	—	
	Bodö ...	30.33	38	N	5	C	30.26	-15	41	36	+3	N	4	bc	2	43	34	—	
	Christiansund	30.28	44	NE	8	bc	30.26	-10	43	39	-2	NNE	5	0	3	48	41	—	
	Skudesnaes ...	30.06	52	WNW	6	0	30.12	+07	49	47	-5	NW	4	0	3	57	48	—	
	Christiania Fjord (Færdar)	30.19	47	NNE	4	bc	30.18	-01	49	45	+3	ESE	3	bc	1	57	46	—	
	Skagen (The Scaw)	30.11	47	E	2	0	30.13	+06	50	44	-6	SSE	3	bc	3	57	46	0.35	
	Fanö ...	30.01	54	SE	3	bc	30.01	-04	53	49	-7	SE	4	C	*	66	48	—	
BRITISH ISLANDS.	Sumburgh Head	30.16	46	NE	7	C	30.12	-05	46	44	+1	NE	7	bc	7	49	41	—	
	Stornoway ...	30.09	50	E	5	bc	30.05	-06	48	46	-5	E	4	bc	7	53	41	—	
	Wick ...	30.16	48	E	4	0	30.10	-10	47	44	-1	E	3	0	3	53	42	—	
	Nairn ...	30.12	47	E	2	0	30.07	-09	46	44	-2	E	2	om	2	49	43	—	
	Aberdeen ...	30.12	48	NNE	4	Cg	30.07	-08	46	44	-4	NE	4	0	4	53	44	—	
	Leith ...	30.05	49	E	3	0	30.01	-08	46	44	0	ESE	3	0	•	53	44	—	
	Shields ...	30.00	50	NNW	4	bc	29.56	-06	48	47	-6	N	3	0	4	57	44	—	
	Spurn Head ...	29.85	53	ESE	4	bc	29.81	-09	54	51	-2	ESE	4	bc	4	56	50	—	
	York ...	29.93	60	E	3	C	29.86	-10	53	58	-3	ESE	2	bc	*	71	45	—	
	Loughborough	29.85	60	E	2	P	29.79	-12	55	54	+2	ESE	3	om.w	*	65	53	0.22	
GERMANY & HOLLAND.	Ardrossan ...	29.94	53	NE	4	bc	29.92	-07	48	45	-9	NE	5	0	2	64	44	—	
	Malin Head ...	29.81	53	ESE	6	bc	29.85	-07	48	46	-5	ESE	8	om	3	58	45	—	
	Mullaghmore ...	29.73	61	E	7	bc	29.72	-14	50	49	-3	E	7	om	4	63	50	0.02	
	Belmullet ...	29.65	63	SE	4	bc	29.64	-15	53	52	-3	E	6	om	*	64	52	0.20	
	Donaghadee ...	29.84	59	ESE	4	bc	29.81	-12	49	47	-5	E	7	0	5	61	47	—	
	Liverpool (Bidston)	29.82	58	E	3	P	29.75	-14	53	51	-4	E	5	0	4	66	51	0.46	
	Holyhead ...	29.77	61	E	4	om	29.71	-15	53	51	-2	E	5	om	5	64	52	0.02	
	Parsonstown ...	29.69	58	SE	1	Cg	29.62	-17	55	54	-5	SE	1	P	*	68	52	0.18	
	Valencia ...	29.49	55	E	6	0	29.46	-13	57	54	+1	ESE	5	C	5	57	53	0.03	
	Roche's Point...	29.59	53	ESE	8	op	29.54	-17	53	51	0	SE	5	0	5	54	51	0.60	
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	29.70	54	ESE	5	P	29.65	-15	53	53	-1	ESE	4	op	4	61	52	0.32	
	Scilly ...	29.58	54	ESE	6	om	29.54	-10	54	54	+1	SE	4	0	6	55	51	0.46	
	Prawle Point ...	29.74	53	ESE	5	P	29.67	-14	53	53	0	SE	2	om	4	54	51	0.72	
	Jersey (St. Aubin's)	29.74	63	ESE	4	Cg	29.71	-14	60	57	+2	SE	3	bc	3	63	54	0.48	
	Hurst Castle ...	29.80	61	ESE	3	C	29.69	-19	56	53	-4	SE	3	om	1	68	56	0.35	
	Dungeness ...	29.83	55	E	2	Cg	29.73	-12	54	54	-3	E	3	om	2	61	51	0.01	
	London ...	29.82	65	E	1	om	29.76	-11	57	57	-1	ESE	1	om	*	71	54	0.07	
	Oxford ...	29.82	59	E	1	bc	29.73	-15	56	56	+1	E	1	P	*	69	53	0.07	
	Cambridge ...	29.85	62	E	1	0	29.77	-11	61	60	+4	E	1	0	*	67	50	0.02	
	Yarmouth ...	29.87	55	E	4	C	29.82	-07	53	52	-2	E	4	Cg	4	58	50	—	
PENINSULA.	Cuxhaven ...	29.77	58	E	5	bc	29.77	-03	52	50	-4	ESE	4	bc	•	65	50	—	
	Berlin ...	29.76	57	NE	3	bc	30.02	+08	50	48	-4	E	4	bc	•	68	46	—	
	Wiesbaden ...	29.76	57	*	*	*	29.88	+01	61	58	-2	E	0	C	•	68	52	0.35	
	Munich ...	29.76	57	*	*	*	29.84	+03	60	57	+7	E	1	bc	•	61	50	—	
	The Helder ...	29.71	61	NE	2	bc	29.88	-07	58	54	0	E	2	bc	2	66	57	—	
	Brussels (9 a.m.)	29.83	57	ESE	1	C	29.80	-09	66	60	+11	SE	1	C	*	67	54	—	
	Cape Gris Nez	29.83	57	ESE	2	bc	29.75	-10	65	59	+11	ESE	1	m	1	73	52	—	
	Paris ...	29.83	67	ESE	2	bc	29.78	-15	61	57	+6	SE	2	bc	•	73	53	—	
	Brest ...	30.10	58	SE	3	0	29.71	-04	57	55	+2	SEW	3	bc	5	63	54	0.47	
	Lorient ...	30.10	58	SE	3	0	29.71	-04	57	55	+2	SEW	3	bc	5	63	54	0.47	
PENINSULA.	Rochefort ...	29.74	71	SE	3	bc	29.72	-18	62	60	+6	ESE	3	0	*	75	50	0.08	
	Belfort ...	29.74	63	W	3	C	29.72	-18	64	62	+9	W	3	bc	•	68	50	—	
	Lyons ...	29.88	66	ESE	1	C	29.85	-14	63	57	+6	ESE	1	C	•	72	53	—	
	Nice ...	29.88	63	E	2	bc	29.86	+08	60	56	-2	NE	1	bc	0	70	58	—	
	Perpignan ...	29.88	62	NE	3	0	29.88	-10	63	60	+1	SE	2	0	3	68	56	—	
	Biarritz ...	29.70	76	SE	2	C	29.77	-07	67	58	0	WNW	3	0	3	66	61	—	
	Corunna ...	29.89	61	SEW	4	*	29.74	+14	63	58	-1	SW	7	bc	4	66	52	0.04	
	Lisbon ...	29.89	61	SEW	4	0	29.73	+06	59	57	-2	WNW	4	bc	7	64	57	0.47	

For Explanation of Columns, see bottom of p. 4.

† Received too late for insertion in Charts on p. 2.

for 8 a.m. on Thursday, 4th June, 1891.



EXPLANATION OF MAP

Changes since previous morning are stated in words.

→→→ = forces above 10; →→ = forces 8 to 10;

→ forces 5 to 7; → forces 1 to 4.

SEA DISTURBANCE--Where considerable, is shewn thus:

 = Rough.  = High.

at 8.0 a.m. for the month of June

During the 20 Years: 1871—1890.

[illegible]

TEMPERATURE—Isotherms are drawn for each 10°. Changes since previous morning are stated in words.

WEATHER is shown by Letters of the Beaufort Scale.

RAINFALL.—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in hours.

(For the month of June.)

A hand-drawn map of Europe and the North Atlantic, showing temperature isotherms and weather patterns. The map includes latitude and longitude lines. Isotherms for 50°F and 60°F are drawn, with labels like "COLDER" and "WARMER HERE". Numerous handwritten temperature readings in degrees Fahrenheit are scattered across the map, particularly in the North Atlantic and around the British Isles. The word "PLACES" is written in the center, with arrows pointing to specific locations.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.2 in. and upwards, in a large anticyclone lying over the west of Norway, and the adjacent part of the Atlantic.
 Lowest, 29.5 in. and less, in a depression lying to the southward of our Islands.
 Gradients moderate over our western and northwestern coasts, but slight elsewhere.

TEMPERATURE

Barometer falling in most parts of Western Europe, but rising again at Valencia Island.
 Highest, 67° at Biarritz, 66° at Brussels, 64° at Belfast, 63° at Lyons and Perpignan, and 62° at Rochefort.
 Lowest, 35° at Haparanda, 41° at Rode, 42° at Wisby, 43° at Helsingfors, Stockholm, and Christiania, and 46° at several of the Scotch stations.
 The highest maxima registered over our Islands yesterday, were 71° at York and in London, and 69° at Oxford.

WIND

E (SE to NE) over our Islands, Denmark, Germany, and the Netherlands, fresh or strong in force on our coast and northeast coast, with a gale at Malmø Ht.
 Light and variable over the southern parts of France.
 Moderate or fresh from the N^W at the Scandinavian stations.

WEATHER

Dull over the greater part of our Islands and France, as well as in the coast of Norway, with rain at some of the English and Irish stations.
 B. over Sweden, Denmark, Germany, and the east of France.
 Rain has fallen since yesterday over Ireland, England, and the west of France. A thunderstorm occurred last evening at Oxford.

SEA

High at Lumburg Ht. and rough or rather so on many parts of our coast and southwest coasts, but moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The shallow depressions over France and the Bay of Biscay, will probably move northwards, so that a continuance of unsettled weather is likely over England, with thunderstorms in some places. The larger disturbance in the southwest appears to be almost stationary.

FORECASTS

For the 24 hours ending at NOON on 5th JUNE 1891.

DISTRICTS.

FORECASTS.

- 0 SCOTLAND NORTH
- 1 SCOTLAND EAST
- 2 ENGLAND N.E.
- 3 ENGLAND EAST
- 4 MIDLAND COUNTIES
- 5 ENGLAND SOUTH

E³ winds, moderate to strong; fair to dull and some rain.
 } NE and E² winds, freshening; dull, some rain, possibly thunder.
 } E² and SE² winds, light; changeable rain at times, thunder locally.

DISTRICTS.

FORECASTS.

- 6 SCOTLAND WEST
- 7 ENGLAND N.W.
- 8 ENGLAND S.W.
- 9 IRELAND NORTH
- 10 IRELAND SOUTH

E² winds, fresh or strong; dull, some rain, possibly thunder.
 SE² winds, moderate or fresh; unsettled, some rain, possibly thunder.
 E² winds, strong; dull, rain at times.

WARNINGS

Same as N^o 8.

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:		WIND		WEA.	SEA		BAR:	THER:		WIND		WEA.	SEA
		D.	W.	D.	F.					D.	W.	D.	F.		
Skudesnaes ...	30.05	57	53	S	6	b	2		Holyhead ...	29.80	62	58	E	4	omg
Sumburgh Head ...	30.19	48	44	NE	7	c	7		Valencia ...	29.58	55	53	E	4	omg
Stornoway ...	30.10	52	50	E	5	b	5		Scilly ...	29.58	53	53	ESE	7	omg
Aberdeen ...	30.13	50	47	NE	4	cq	4		Jersey ...	29.77	62	57	ESE	3	omg
Shields ...	30.00	55	52	NW	4	c	3		Dungeness ...	29.85	61	56	SW	2	omg
Ardrossan ...	29.85	63	58	NE	4	cm	2		London ...	29.83	68	63	E	1	*
Malin Head ...	29.84	56	52	ESE	5	cm	3		Yarmouth ...	29.90	59	54	E	4	4
Mullaghmore ...	29.77	62	57	ENE	6	om	4		Rochefort ...	29.78	71	64	SE	4	*
Belmullet ...	29.71	62	59	E	3	0	*								

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

Weather fair over the greater part of western and northern Europe, but dull and showery at some of our own and the French stations. Dull also over Russia, Austria, and the Adriatic, with snow at Archangel, and rain at Lemberg; rain falling at Rome and Aumale. Unsettled rainy weather experienced during day in many parts of England, Ireland, and the west of France; thunderstorm occurring at Oxford in evening.

Temperature highest 74° at Constantinople, 71° at Barcelona, Palermo and Rafale, and 70° at Rhindini and Malta; above 60° over nearly the whole of southern and eastern, as well as in many parts of central Europe. Lowest 34° at Archangel, 35° at Bleasby, 36° at Haparanda, 37° at Kuopio, and 38° at Bodö; below 50° over northern Europe generally, and also in the north and east of Scotland. Rising during day to 70° or a little above at some of the English and French stations, and reaching 86° at Biarritz.

Wind NE over Scandinavia, the Baltic and northern Russia, E over Denmark, the North Sea, and the British Islands (strong in force in the south of Ireland); SE in the west and north of France, S on the western coast of the Spanish Peninsula. Light from the SW over Italy, Austria, and the south of Russia, and from the SE in Algeria, variable in the south of France. E wind subsequently increasing to a gale in the extreme southwest of our Islands.

Barometer highest 30.4 in: and upwards, in an anticyclone lying off the northwest of Norway; 30.0 in: and upwards over Algeria and the southern parts of Spain and the Mediterranean. Lowest 29.6 in: and less, in a large depression lying to the southwestward of our Islands; 29.7 in: and less, in a shallow system lying over the southwest of Russia. Former disturbance spreading slowly northeastwards over the United Kingdom during day; small secondary systems beginning to appear over France and the Bay of Biscay.

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. The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden and Denmark the observations are taken at 8 p.m. (Christiania time).

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 *Friday, 5th June,* 1891.
 Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

R. H. SCOTT, Secretary.																			
STATIONS.		YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
		BAROM.	TEMP.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 2.)	SHADE TEMP.		Amount of Rainfall.	
		Reading at 32° F. and Sea Level.	Dry.	Dirac.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dirac.	Force. (0 to 12.)			Max.	Min.		
SCANDINAVIA.	Haparanda ...	30.04	37	NE	4	C	30.04	+0.03	33	30	-2	NE	4	0	*	37	32	.	
	Hernösand ...	30.06	40	N	2	C	30.06	-0.01	43	39	0	NW	2	0	*	50	36	0.08	
	Stockholm ...	30.03	41	N	0	C	30.05	-0.08	41	37	-2	NW	6	0	*	48	32	.	
	Wisby ...	30.04	42	N	4	C	30.04	-0.05	41	38	-1	NNE	4	0	*	48	36	0.04	
	Bodö ...	30.17	42	N	4	0	30.11	-0.15	42	36	+1	N	4	0	2	43	36	.	
	Christiansund	30.23	44	NNE	3	C	30.19	-0.07	45	41	+2	NNE	3	0	2	46	39	.	
	Skudesnaes ...	30.10	50	NW	1	bc	30.10	-0.02	51	47	+2	NW	2	0	1	54	43	.	
	Christiania Fjord (Fjærd)	30.04	52	NW	5	C	30.10	-0.08	49	45	0	NNE	3	0	1	52	46	.	
	Skagen (The Scaw)	30.06	54	N	0	0	30.10	-0.03	51	49	+1	N	1	0	1	63	41	.	
	Fanö ...	30.01	56	E	5	0	30.06	+0.05	53	47	0	E	6	0	*	59	41	.	
BRITISH ISLANDS.	Sumburgh Head	30.14	45	NE	6	0	30.19	+0.07	45	42	-1	NE	4	0	5	49	41	.	
	Stornoway ...	30.04	50	E	5	0	30.12	+0.07	53	52	+5	E	4	0	4	53	45	.	
	Wick ...	30.12	47	E	3	0	30.20	+0.10	47	44	0	E	1	0	2	50	44	.	
	Nairn ...	30.04	48	E	2	0	30.13	+0.06	49	47	+3	ENE	1	0	1	49	45	.	
	Aberdeen ...	30.06	48	NE	3	om	30.17	+0.10	49	47	+3	NE	3	0	4	52	46	.	
	Leith ...	29.99	49	E	3	0	30.10	+0.09	49	48	+3	NE	3	0	*	50	45	.	
	Shields ...	29.92	40	NNE	3	0	30.03	+0.07	51	49	+3	NE	3	0	4	51	41	.	
	Spurn Head ...	29.78	51	ENE	4	0	29.91	+0.10	50	49	-4	ENE	5	0pm	4	55	49	1.18	
	York ...	29.84	55	ENE	2	0	29.96	+0.10	53	51	-6	ENE	1	0	*	67	48	0.26	
	Loughborough	29.77	54	ENE	2	0	29.89	+0.10	53	53	-2	ENE	2	0	*	61	52	1.25	
GERMANY & HOLLAND.	Ardrossan ...	29.91	52	NE	5	0	30.14	+0.22	54	49	+6	NE	4	0	2	57	47	.	
	Malin Head ...	29.79	52	ESE	6	om	29.95	+0.10	49	47	+1	ESE	6	0	3	53	46	.	
	Mullaghmore ...	29.74	53	E	7	pg	29.90	+0.18	50	48	0	E	6	0g	4	54	49	0.02	
	Belmullet ...	29.67	55	E	5	0	29.87	+0.23	52	51	-1	E	3	0	*	56	51	0.04	
	Donaghadee ...	29.81	53	ESE	6	C	29.95	+0.17	51	48	+2	E	6	0	4	55	48	0.04	
	Liverpool (Bidston)	29.74	56	ENE	5	0	29.90	+0.15	51	50	-2	ENE	4	0	3	58	51	0.09	
	Holyhead ...	29.72	55	E	5	grogm	29.89	+0.18	51	50	-2	E	5	img	5	56	50	0.84	
	Parsonstown ...	29.66	58	N	0	0	29.86	+0.24	53	51	-2	N	0	0	*	61	51	0.09	
	Valencia ...	29.58	56	SSW	2	0	29.80	+0.34	57	54	0	E	2	0	2	60	51	0.06	
	Roche's Point...	29.72	53	SE	5	om	29.83	+0.29	54	53	+1	SE	4	0m	4	56	52	0.15	
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	29.72	54	SE	2	0	29.87	+0.22	53	53	-2	E	1	om	3	58	50	0.04	
	Scilly ...	29.67	55	SSE	4	cm	29.83	+0.29	55	55	+1	SE	3	f	4	57	54	.	
	Prawle Point ...	29.76	54	SW	2	0	29.90	+0.23	54	54	+1	S	1	f	2	57	51	0.01	
	Jersey (St. Aubin's)	29.79	65	SSW	3	bm	29.93	+0.22	57	54	-3	SSW	4	am	3	67	53	.	
	Hurst Castle ...	29.77	59	SW	3	bc	29.90	+0.21	58	56	+2	N	3	bc	2	65	53	.	
	Dungeness ...	29.75	55	SW	3	C	29.88	+0.15	57	55	+3	SSE	3	bc	2	61	51	0.10	
	London ...	29.73	64	SSW	2	bc	29.89	+0.13	57	54	0	NW	2	C	*	67	50	0.03	
	Oxford ...	29.77	59	SW	3	0	29.90	+0.17	54	52	-2	NW	1	0	*	66	48	0.25	
	Cambridge ...	29.73	61	E	1	0	29.88	+0.11	58	56	-3	N	1	0	*	66	49	0.13	
	Yarmouth ...	29.78	53	E	4	tm	29.94	+0.02	51	50	-2	ENE	4	og	4	54	50	0.43	
PENINSULA.	Cuxhaven ...	29.94	56	E	5	0	29.94	-0.05	48	46	-4	E	6	0	*	61	47	.	
	Berlin ...	29.92	57	E	5	C	29.97	-0.05	50	45	0	E	5	0	*	68	45	.	
	Wiesbaden ...	*	*	*	*	*	29.87	-0.01	65	60	+4	N	4	0	*	73	57	0.28	
	Munich ...	29.88	62	E	3	C	29.97	+0.03	58	57	-2	SW	4	0	*	72	54	0.16	
	The Helder ...	29.80	61	ENE	2	0	29.88	-0.08	52	50	-6	E	2	0	3	64	52	0.47	
	Brussels (9 a.m.)	*	*	*	*	*	29.89	+0.09	61	57	-5	NW	1	0	*	68	52	0.16	
	Cape Gris Nez	29.77	58	SW	1	bc	29.89	+0.14	55	54	-10	SW	2	0	1	66	52	0.16	
	Paris ...	29.80	68	N	2	0	29.95	+0.17	62	57	+1	NW	1	0	*	74	52	0.16	
	Brest ...	29.77	57	S	2	m	29.84	+0.17	54	54	0	SW	2	0	3	59	52	.	
	Lorient ...	29.84	58	SSW	4	0	29.90	+0.19	56	55	-1	S	1	bc	5	63	54	.	
FRANCE AND BELGIUM.	Rochefort ...	29.88	64	NW	4	C	29.98	+0.26	57	56	-5	ENE	3	0	*	68	46	.	
	Belfort ...	?	67	N	3	0	?	?	59	57	-5	N	3	0	*	70	59	0.20	
	Lyons ...	29.82	69	N	3	C	29.96	+0.11	59	56	-4	ENE	1	C	*	70	56	.	
	Nice ...	29.98	62	NE	2	C	29.97	+0.01	60	58	0	N	1	m	0	72	54	.	
	Perpignan ...	29.88	64	NE	3	0	29.94	+0.06	63	62	0	NE	2	0	*	68	54	.	
	Piarritz ...	29.84	65	NE	3	C	29.88	+0.11	59	59	-8	N	0	0	1	77	57	.	
	Corunna ...	*	*	*	*	*	29.97	+0.04	59	55	0	N	0	C	6	64	55	.	
	Lisbon ...	29.95	59	NE	3	0	29.97	+0.04	59	55	0	N	0	C	6	64	55	.	

For Explanation of Columns, see bottom of p. 4.

† Received too late for insertion in Charts on p. 2.

WEATHER CHARTS

for 8 a.m. on Friday, 5th June, 1891.

BAROMETER, WIND AND SEA.

EXPLANATION OF MAP

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

Changes since previous morning are stated in words.

WIND—Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force thus—

→ = forces above 10; →→ = forces 8 to 19;

→→ = forces 5 to 7; →→ = forces 1 to 4.

○ = dead calm.

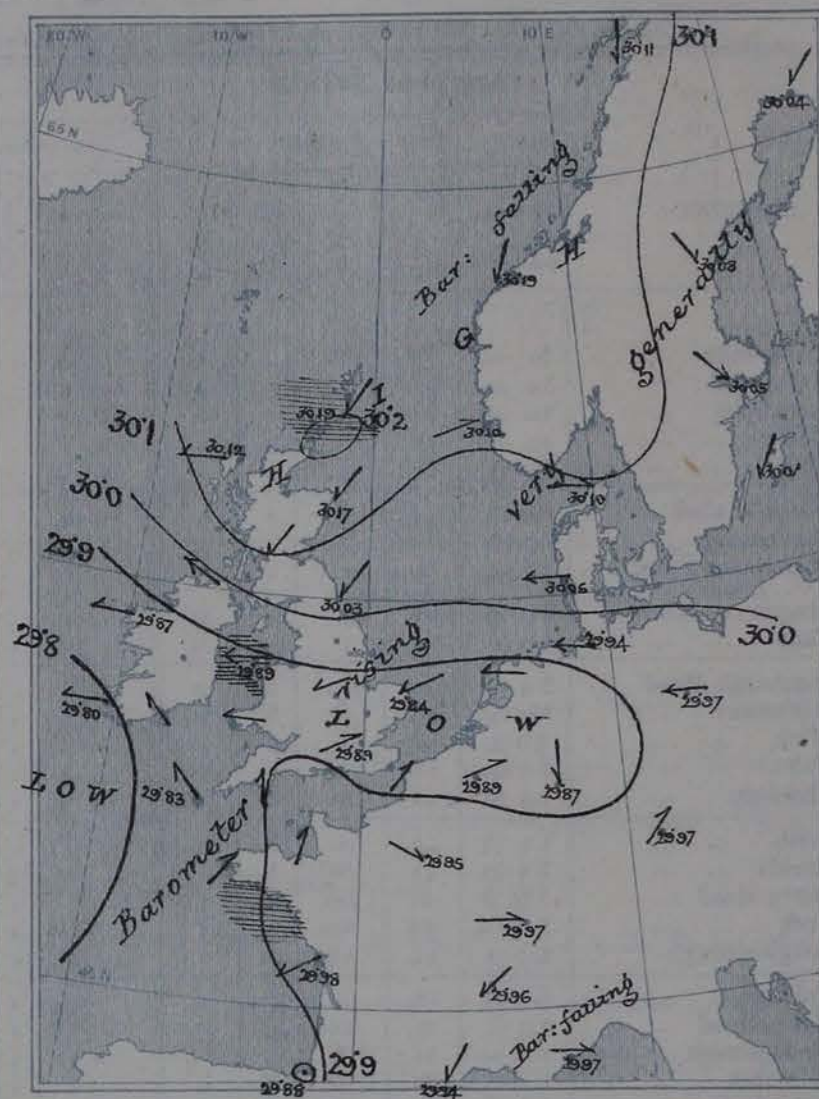
SEA DISTURBANCE—Where considerable, is shown thus:

▨ = Rough. ▨ = High.

MEAN HEIGHT OF THE BAROMETER

at 8.0 a.m. for the month of June
During the 20 Years: 1871—1890.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.883
Stornoway	29.878
Wick	29.898
Nairn	29.904
Aberdeen	29.916
Leith	29.930
Shields	29.948
Spurn Head	29.964
York	29.969
Loughborough	29.980
Ardrossan	29.932
Mullaghmore	29.936
Donaghadee	29.946
Holyhead	29.966
Liverpool	29.966
Parsonstown	29.972
Valencia	29.975
Roche's Point	29.973
Pembroke	29.974
Sally	29.990
Prawle Point	30.007
Jersey	30.010
Hurst Castle	29.998
Dover	29.982
LONDON	29.992
Oxford	29.986
Cambridge	29.985
Yarmouth	29.977



TEMPERATURE, & WEATHER AT 8 A.M., WITH RAINFALL IN PAST 24 HOURS.

TEMPERATURE—Isotherms are drawn for each 10°. Changes since previous morning are stated in words.

WEATHER—is shown by Letters of the Beaufort Scale.

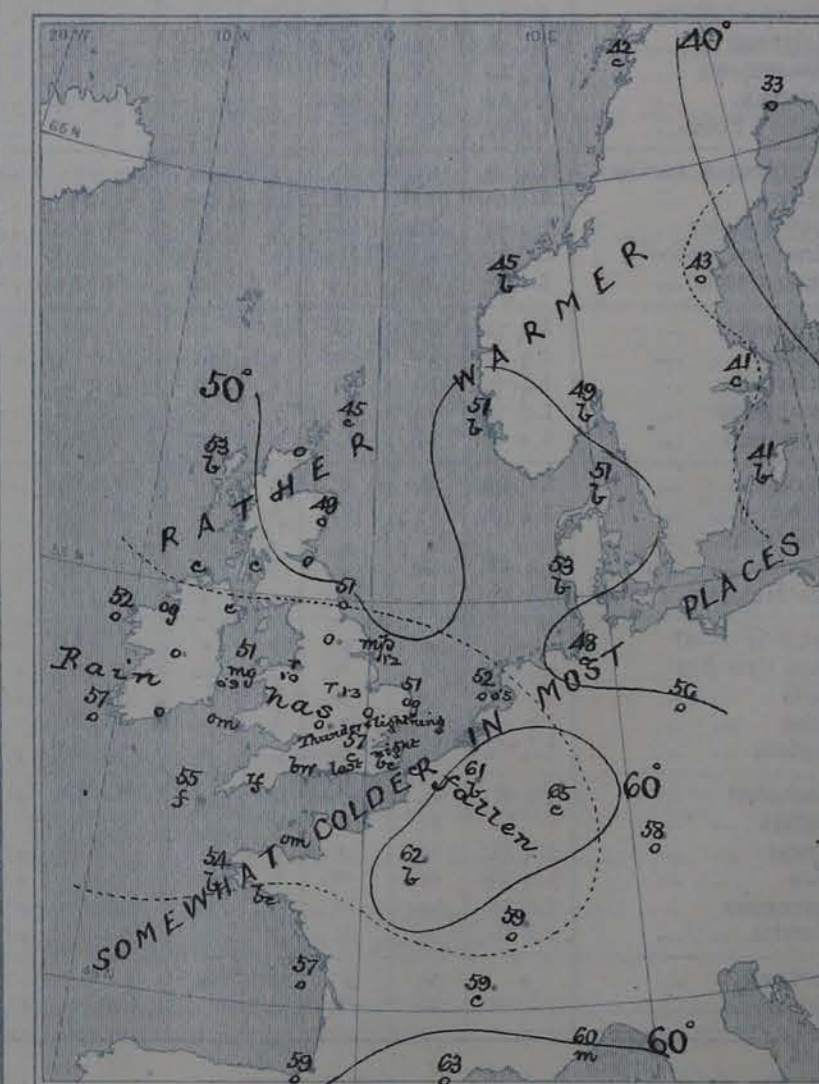
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of June.)

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	Dry, at 8 a.m.	Wet.	
Sumburgh Head	54.6	45.0	50.3	48.6	1.98
Stornoway	58.0	45.9	53.3	51.1	2.85
Wick	58.9	45.5	53.3	50.7	1.74
Nairn	62.2	47.8	54.3	50.6	1.70
Aberdeen	61.2	47.2	54.8	50.8	1.77
Leith	63.9	47.9	55.9	52.3	1.80
Shields	60.6	48.7	54.8	51.7	1.71
Spurn Head	60.4	51.4	55.3	52.8	1.54
York	65.1	48.4	56.2	52.7	2.17
Loughborough	63.6	49.0	57.8	53.9	2.22
Ardrossan	62.0	49.5	55.1	52.1	2.49
Mullaghmore	61.1	51.4	54.9	52.0	2.79
Donaghadee	61.2	49.3	55.0	52.8	1.92
Holyhead	61.6	51.5	55.7	53.2	1.98
Liverpool	63.8	50.9	56.7	52.7	1.89
Parsonstown	64.5	48.5	56.0	52.6	2.39
Valencia	62.2	51.1	57.2	54.3	3.27
Roche's Point	64.5	51.1	56.8	53.6	3.13
Pembroke	60.3	51.3	55.2	53.1	1.94
Sally	61.3	52.0	57.3	55.2	1.84
Prawle Point	61.5	50.5	56.9	54.6	1.60
Jersey	64.6	52.5	58.6	55.8	1.91
Hurst Castle	64.2	51.9	57.7	55.5	1.07
Dover	63.0	52.5	58.2	54.9	1.50
LONDON	69.1	50.6	58.9	54.6	2.11
Oxford	65.9	49.5	56.8	53.3	2.21
Cambridge	68.6	48.5	58.1	54.7	2.23
Yarmouth	62.0	51.1	56.9	54.0	1.88

NOTE.—The Temperature means are for the 20 years 1871-90, the Rainfall means are mainly those for the 25 years 1865-90.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.1 in. and upwards, in a large anticyclone lying over Norway, Scotland, and the adjacent part of the Atlantic.
 Lowest, 29.8 in. and less, in a depression lying off the southeast of Ireland; 29.9 in. and less, in a shallow trough extending eastwards over England and the Netherlands.
 Gradients slight and irregular. Barometer rising generally, but falling a little in the west of Norway.

TEMPERATURE

Highest, 65° at Wiesbaden, 63° at Perpignan, 62° at Paris, 61° at Bunnels, and 60° at Nice.
 Lowest, 33° at Haparanda, 41° at Stockholm and Viby, 42° at Rode, 43° at Helsingfors, and 45° at Christiansund.
 The highest maxima registered over our Islands yesterday were 67° at York, Jersey, and in London, and 66° at Oxford and Cambridge.

WIND

E³ or NE⁴ over Norway, Denmark, and the greater part of the United Kingdom, but SE² on our southern coasts, and SW¹ over the Channel, the extreme southeast of England and the north of France.
 N¹ in Scandinavia; variables or light from the NE² over the southern part of France.

WEATHER

Dull over the greater part of Western Europe, with fog in the southwest of England and rain over our midland and northern counties.
 Fine at some of the Channel stations, as well as in Norway and Denmark.
 Rain fell yesterday in most parts of England, Ireland and France, the largest amounts being 1.3 in. at Loughborough, 1.2 in. at Speen 11^h, 1.0 in. at Liverpool and 0.9 in. at Holyhead. A thunderstorm occurred at Cambridge last evening, and lightning was seen at Dungeness and in London.

SEA

Moderate or slight generally, but rather rough at Lumburgh H^o, Holyhead, and Lorient.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The trough of low barometer readings noticed over England and the Netherlands is apparently filling up, but the distribution of pressure is still very irregular, and showery, thundery weather seems likely to continue in many districts.

FORECASTS

For the 24 hours ending at NOON on 6th JUNE 1891.

DISTRICTS.

FORECASTS.

- 0 SCOTLAND NORTH
- 1 SCOTLAND EAST
- 2 ENGLAND N.E.
- 3 ENGLAND EAST
- 4 MIDLAND COUNTIES
- 5 ENGLAND SOUTH

NE² winds, light or moderate; dull, showery, thunder locally.
 Light Variable breezes; changeable, some showers, thunder locally.

DISTRICTS.

FORECASTS.

- 6 SCOTLAND WEST
- 7 ENGLAND N.W.
- 8 ENGLAND S.W.
- 9 IRELAND NORTH
- 10 IRELAND SOUTH

Same as Nos 0 to 2
 SE² winds, light; dull, misty, rain locally.
 E² winds, moderate or fresh; dull, some rain.

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:		WIND		WEA.	SEA		BAR:	THER:		WIND		WEA.	SEA
		D.	W.	D.	F.					D.	W.	D.	F.		
Skudesnaes ...	30.11	54	49	NE	6	0	3		Holyhead ...	29.71	55	54	E	5	Trng
Sumburgh Head ...	30.14	47	43	NE	6	0	7		Valencia ...	29.54	59	55	SE	5	0
Stornoway ...	30.04	52	50	E	5	6	5		Scilly ...	29.67	57	57	SSE	4	C
Aberdeen ...	30.05	51	49	NE	5	ca	4		Jersey ...	29.76	67	63	SSW	4	C
Shields ...	29.93	50	49	NE	3	0	3		Dungeness ...	29.74	57	56	SSW	3	bc
Ardrossan ...	29.89	55	51	NE	4	bc	2		London ...	29.74	62	59	ESE	1	Trg
Malin Head ...	29.78	52	50	ESE	7	0	4		Yarmouth ...	29.79	54	53	ESE	3	op
Mullaghmore ...	29.74	53	51	E	7	0 pg	4		Rochefort ...	29.84	66	63	HNW	3	0
Belmullet ...	29.77	54	53	E	4	0	*								*

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

Weather dull over the greater part of our Islands and France, as well as at many of the Russian and Austrian stations; showers reported over Ireland and England, and snow falling at Helsingfors. Fine over Sweden, Denmark, the Baltic, and the greater part of central and southern Europe. Weather clearing later in the extreme south of England, but heavy rain falling over our midland and northern counties; thunderstorms or lightning only observed in many parts of England.

Temperature highest 77° at La Caille, 76° at Constantinople, 74° at Palma, and 72° at Trieste, Brindisi and Barcelona; above 65° in most parts of southern and eastern Europe. Lowest, 35° at Haparanda, 38° at Uleaborg and Kioopis, 40° at Hangö and Helsingfors, and 41° at Bodo; below 45° over northern Europe generally, and below 50° over the northern parts of our Islands. Daily maxima below 55° in the north and east of the United Kingdom, but thermometers exceeding 65° at some of our central and southern stations, and exceeding 75° in many parts of France.

Wind E¹ (SE to NE) over our Islands, Denmark, Germany, and the Netherlands; fresh or strong in force on our west and northwest coasts, with a gale at Malin Head. Light or moderate from the N^o over Sweden, Russia, Austria, and East Germany. Variable in Italy and Algeria, SW¹ or W¹ over Spain and the extreme south of France. Subsequently, veering to the SW¹ in the southeast of England; strong winds in northwest subsiding gradually.

Barometer highest, 30.2 ins. and upwards, in an anticyclone lying over Norway; 30.0 ins. and upwards in another system lying over Italy and the adjacent parts of the Mediterranean. Lowest 29.5 ins. and less, in a well marked depression lying to the southwestward of our Islands; 29.6 ins. and less, in a shallow system lying over the extreme south of Russia. Shallow disturbances lying over France and the Bay of Biscay in morning and subsequently advancing northwards over England; depression to southwestward of our Islands moving away over the Atlantic.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—Beaufort Scale is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.
* AN ASTERISK is inserted in all places for which information is not usually received.
The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden and Denmark the observations are taken at 8 p.m. (Christiania time).

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 *Saturday, 6th June, 1891.*
 Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

STATIONS.		YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
		BAROM.	TEMP.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 1.)	SHADE TEMP.		Amount of Rainfall.	
		Reading at 32° F. and Sea Level.	Dry.	Direc.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Direc.	Force. (0 to 12.)			Max.	Min.		
SCANDINAVIA.	Haparanda ...	30.00	36	NW	2	C	30.02	-02	39	34	+6	N	4	0	*	?	30		
	Hernösand ...	30.03	39	N	2	C	30.08	00	42	41	-1	E.N.E.	2	0	*	48	36		
	Stockholm ...	30.06	44	E	2	0	30.04	-01	41	39	0	E	4	0	*	50	32	0.04	
	Wisby ...	30.06	43	N	4	bc	29.99	-05	45	44	+4	N.W.	4	6	*	52	36	0.16	
	Bodö ...	30.08	44	N.N.E.	2	C	30.10	-01	45	39	+3	N.N.E.	2	6	1	45	36		
	Christiansund	30.14	45	N.W.	2	b	30.08	-11	48	44	+3	S.E.	1	0	1	48	43		
	Skudesnaes ...	30.09	50	N.W.	4	C	30.04	-06	48	44	-3	N.W.	7	bc	3	55	45		
	Christiania Fjord (Færdar)	?	53	S.S.W.	3	C	30.01	-09	49	44	0	N.N.E.	5	b	2	55	48		
	Skagen (The Scaw)	30.02	50	W	4	0	29.95	-15	49	47	-2	W	4	0	3	57	46		
	Fanö ...	30.11	48	E	1	b	30.08	+02	57	52	+4	Z	0	6	*	61	43		
BRITISH ISLANDS.	Sumburgh Head	30.22	46	N.E.	2	0	30.17	-02	45	44	0	N.W.	4	0	4	49	41		
	Stornoway ...	30.16	50	E	4	b	30.20	+08	49	47	-4	E	3	b	4	55	38		
	Wick ...	30.25	47	E.S.E.	2	bc	30.23	+03	49	44	+2	E.S.E.	2	bc	1	52	43		
	Nairn ...	30.17	49	E	3	b	30.21	+08	46	43	-3	E	1	0	1	53	34		
	Aberdeen ...	30.22	47	E.N.E.	3	b	30.23	+06	46	42	-3	N.E.	3	0	4	52	44		
	Leith ...	30.16	49	E.N.E.	3	0	30.19	+09	47	43	-2	E.N.E.	2	0	*	51	44		
	Shields ...	30.11	53	N.E.	3	C	30.15	+12	50	46	-1	N.E.	3	C	4	56	45		
	Spurn Head ...	30.02	50	N.E.	3	C	30.02	+11	49	48	-1	N.E.	5	opm	4	53	48	0.02	
	York ...	30.06	55	E.N.E.	2	b	30.09	+13	53	49	0	E.N.E.	3	b	*	61	42		
	Loughborough	30.01	52	N.E.	3	0	30.01	+12	49	49	-4	N.N.E.	4	0 dm	*	55	48	0.18	
GERMANY & HOLLAND.	Ardrossan ...	30.10	56	N.E.	4	b	30.15	+01	48	44	-6	N.E.	3	b	2	58	42		
	Malin Head ...	30.05	52	E.S.E.	5	0 m	30.13	+18	49	45	0	E.S.E.	4	bc m	2	54	46		
	Mullaghmore ...	29.99	53	E.N.E.	6	r	30.10	+20	49	46	-1	E.N.E.	5	bc	3	55	46	0.02	
	Belmullet ...	29.95	54	E	4	C	30.05	+48	52	50	0	E	2	bc	*	56	49	0.04	
	Donaghadee ...	30.04	54	S.E.	4	C	30.12	+14	50	47	-1	E	6	b	4	54	48	0.01	
	Liverpool (Bidston)	30.01	54	E	3	0	30.06	+16	50	46	-1	E.N.E.	4	0	3	55	46	0.11	
	Holyhead ...	29.98	54	E	4	opm	30.04	+15	52	49	+1	E.N.E.	5	b	4	55	47	0.03	
	Parsonstown ...	29.92	60	Z	0	C	30.03	+17	49	47	-4	Z	0	0	*	60	49	0.51	
	Valencia ...	29.90	58	S	2	C	29.97	+17	59	55	+2	Z	0	C	1	59	51	0.01	
	Roche's Point...	29.94	52	S.E.	3	f	29.98	+15	55	52	+1	E	4	m	4	56	50	0.01	
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	29.94	58	N.E.	2	C	29.97	+10	52	50	-1	E.N.E.	2	eg	2	58	50		
	Scilly ...	29.91	56	E.S.E.	4	C	29.89	+06	53	52	-2	N.E.	4	r	3	59	52	0.06	
	Prawle Point ...	29.94	53	Z	0	f	29.91	+01	51	51	-3	N.E.	3	r	2	57	49	0.19	
	Jersey (St. Aubin's)	29.92	63	E.N.E.	3	bc	29.86	-07	55	53	-2	N	4	bc	3	65	52	0.43	
	Hurst Castle ...	29.94	61	W	3	b	29.93	+03	54	53	-4	N.E.	2	C m	2	61	53		
	Dungeness ...	29.93	58	N.W.	4	b	29.90	+02	55	54	-2	E	4	f	2	61	47		
	London ...	29.94	60	N.N.E.	4	C	29.94	+05	57	55	0	E	2	0	*	70	52		
	Oxford ...	29.98	53	N.E.	2	0	29.97	+07	51	50	-3	N.E.	1	0	*	66	49		
	Cambridge ...	29.95	52	N	1	0	29.98	+10	55	53	-3	E	1	0	*	61	50		
	Yarmouth ...	29.92	52	E.S.E.	3	C	29.99	+15	51	50	0	E	4	bc	4	52	49	0.01	
PENIN- SULA.	Cuxhaven ...	30.02	55	E.S.E.	3	C	30.10	+16	55	53	+7	S.S.E.	3	b	*	60	48		
	Berlin ...	30.08	52	S.E.	3	b	30.10	+13	54	46	+4	S.E.	4	b	*	57	43		
	Wiesbaden ...	*	*	*	*	*	29.96	+09	59	55	-6	N	3	bc	*	72	52		
	Munich ...	30.02	61	Z	0	bc	29.98	+01	63	59	+5	S.E.	5	bc	*	70	52	0.04	
	The Helder ...	30.03	57	S.S.E.	1	bc	30.04	+16	55	52	+3	E	2	b	2	61	52		
	Brussels (9 a.m.)	*	*	*	*	*	29.95	+06	52	51	-9	E.S.E.	1	0	*	70	48		
	Cape Gris Nez	29.94	60	W	1	b	29.89	-00	58	55	+3	N.E.	3	C	2	61	50		
	Paris ...	29.93	67	N.N.E.	2	b	29.86	-09	59	57	-3	N	1	b	*	73	56		
	Brest ...	29.86	58	W	4	b	29.84	-00	52	52	-2	N.E.	2	bc	5	63	50		
	Lorient ...	?	59	W	1	b	29.83	-07	57	56	+1	N.N.E.	1	bc	4	64	55	0.16	
PENIN- SULA.	Rochefort ...	29.83	73	N.W.	1	b	29.80	-18	62	60	+5	S	1	C	*	79	52	0.04	
	Belfort ...	?	65	W	3	0	?	?	59	55	0	W	3	0	*	73	55	0.08	
	Lyons ...	29.87	72	S.S.W.	1	bc	29.86	-10	63	59	+4	N.W.	1	C	*	76	56		
	Nice ...	29.87	64	W	2	bc	29.84	-13	71	61	+11	E	1	bc	0	73	60		
	Perpignan ...	29.87	63	N.E.	2	bc	29.85	-09	62	58	-1	N.E.	2	bc	*	66	56		
	Biarritz ...	29.82	67	N.E.	3	bc	29.85	-03	61	59	+2	W	3	0	2	73	59	0.16	

For Explanation of Columns, see bottom of p. 4.

† Received too late for insertion in Charts on p. 2.

WEATHER CHARTS

for 8 a.m. on Saturday, 6th June, 1891.

BAROMETER, WIND AND SEA.

EXPLANATION OF MAP

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

Changes since previous morning are stated in words.

WIND—Arrows show the prevalent winds. They fly with the wind and

their barbs and feathers refer to force thus—

— forces above 10; — forces 8 to 10;

— forces 5 to 7; — forces 1 to 4.

☉ = dead calm.

SEA DISTURBANCE—Where considerable, is shown thus:

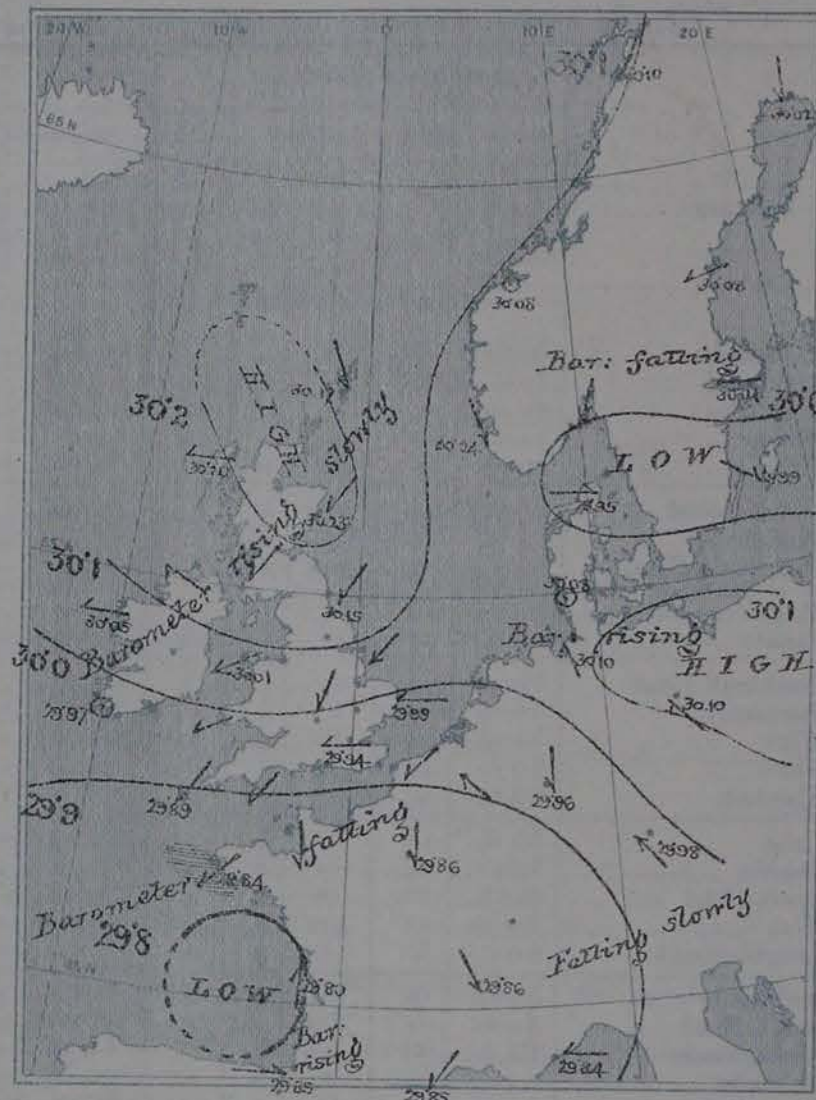
☼ = Rough. ☼ = High.

MEAN HEIGHT OF THE BAROMETER

at 8.0 a.m. for the month of June

During the 20 Years: 1871—1890.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.882
Stornoway	29.876
Wick	29.898
Nairn	29.901
Alardeen	29.916
Leith	29.930
Shields	29.945
Spart Head	29.964
York	29.969
Loughborough	29.980
Ardrossan	29.982
Mullaghmore	29.986
Donaghadee	29.986
Holyhead	29.988
Liverpool	29.966
Parsonstown	29.972
Valencia	29.975
Rocha's Point	29.973
Pembroke	29.974
Sally	29.996
Prawle Point	30.007
Jersey	30.010
Hurst Castle	29.998
Dover	29.982
LONDON	29.992
Oxford	29.986
Cambridge	29.985
Yarmouth	29.977



TEMPERATURE, & WEATHER AT 8 A.M., WITH RAINFALL IN PAST 24 HOURS.

TEMPERATURE—Isotherms are drawn for each 10°. Changes since previous morning are stated in words.

WEATHER—is shown by letters of the Beaufort Scale.

RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL. (For the month of June.)

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry.	Wet.	
Sumburgh Head.....	54.6	45.6	50.3	48.0	1.98
Stornoway	58.0	45.9	53.3	51.1	2.85
Wick.....	58.9	45.5	53.3	50.7	1.71
Nairn.....	62.2	47.8	54.3	50.6	1.70
Albortoun.....	64.2	47.2	54.8	50.8	1.77
Leith.....	64.9	47.9	55.9	52.3	1.80
Shields.....	60.0	48.7	54.8	51.7	1.71
Spart Head.....	60.1	51.1	55.3	52.8	1.54
York.....	60.1	48.4	50.2	52.7	2.17
Loughborough.....	58.0	49.0	57.8	53.9	2.22
Ardrossan.....	62.0	49.5	55.1	52.1	2.19
Mullaghmore.....	61.1	51.4	54.9	52.0	2.79
Donaghadee.....	61.2	49.3	55.0	52.8	1.92
Holyhead.....	61.6	51.5	55.7	53.2	1.98
Liverpool.....	63.6	50.9	55.7	52.7	1.89
Parsonstown.....	64.5	48.5	56.0	52.6	2.39
Valencia.....	62.2	51.1	57.2	54.3	3.27
Rocha's Point.....	64.5	51.1	56.8	53.6	3.13
Pembroke.....	60.8	51.5	55.2	53.1	1.94
Sally.....	61.3	53.0	57.3	55.2	1.84
Prawle Point.....	61.5	50.8	58.0	54.6	1.60
Jersey.....	61.0	52.6	58.6	55.8	1.01
Hurst Castle.....	64.2	51.9	57.7	55.6	1.97
Dover.....	63.0	52.6	58.2	54.9	1.69
LONDON.....	69.3	50.0	58.9	54.0	2.11
Oxford.....	66.9	49.5	50.8	53.3	2.21
Cambridge.....	63.0	48.5	58.1	54.7	2.23
Yarmouth.....	62.0	51.1	56.9	54.0	1.88

NOTE.—The Temperature means are for the 20 years 1871-90, the Rainfall means are mainly those for the 25 years 1865-90.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.2 in. and upwards, in an anticyclone lying over and to the northward of Scotland.
 Lowest, 29.8 in. and less, in a shallow depression lying over the Bay of Biscay.
 Gradients slight. Barometer falling in France and the extreme south of England, as well as over the southern part of Scandinavia but rising elsewhere.

TEMPERATURE

Highest, 71° at Nice, 63° at Lyon and Munich, 62° at Karlsruhe, 61° at Vienna, and 59° at Paris, Belfast, and London.
 Lowest, 39° at Haparanda, 41° at Stockholm, 42° at Helsingfors, 45° at Riga and Vitebsk, and 46° at Kain and Herten.
 The highest maxima registered over our islands yesterday were 70° in London and 66° at Oxford.

WIND

Light or moderate from the E² or NE² over the whole of the United Kingdom and from the SE² in Germany.
 Moderate from between N. and W. over the greater part of Scandinavia.
 Variable in France; fresh from the SW² at Lisbon.

WEATHER

Fine in places, but cloudy or overcast in the whole, with passing showers at Spinn 11^h; steady rain in the southwest of England and thunder at Paris.
 Since yesterday morning rain has fallen in many parts of Ireland and England, the largest amount being 0.5 in. at Birmingham.
 Thunderstorms have occurred at several of the French stations.

SEA

Moderate to smooth generally, but rather rough at Orient.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

There is still a strong tendency for the formation of shallow depressions over France and the Bay of Biscay and showery weather is therefore likely to continue over our southern district with thunder in some places. In the western and northern parts of the Kingdom some improvement in the weather is likely.

FORECASTS

For the 24 hours ending at NOON on 7th JUNE 1891.

DISTRICTS.

FORECASTS.

- 0 SCOTLAND NORTH
- 1 SCOTLAND EAST
- 2 ENGLAND N.E.
- 3 ENGLAND EAST
- 4 MIDLAND COUNTIES
- 5 ENGLAND SOUTH

E² and NE² winds, light; fair generally.
 E² and NE² winds, moderate; cloudy, some showers, possibly thunder.

DISTRICTS.

FORECASTS.

- 6 SCOTLAND WEST
- 7 ENGLAND N.W.
- 8 ENGLAND S.W.
- 9 IRELAND NORTH
- 10 IRELAND SOUTH

Same as No 0 to 2.
 E² winds, moderate or fresh; fair generally.
 NE² winds, moderate; unsettled, rain at times.

Same as No 7.
 Same as No 0 to 2.

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.

WEATHER CHARTS

for 8 a.m. on Saturday, 6th June, 1891.

BAROMETER, WIND AND SEA.

EXPLANATION OF MAP

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

Changes since previous morning are stated in words.

WIND—Arrows show the prevalent winds. They fly with the wind and

their barbs and feathers refer to force thus—

→ forces above 10; → forces 8 to 10;

→ forces 5 to 7; → forces 1 to 4.

☉ dead calm.

SEA DISTURBANCE—Where considerable, is shown thus:

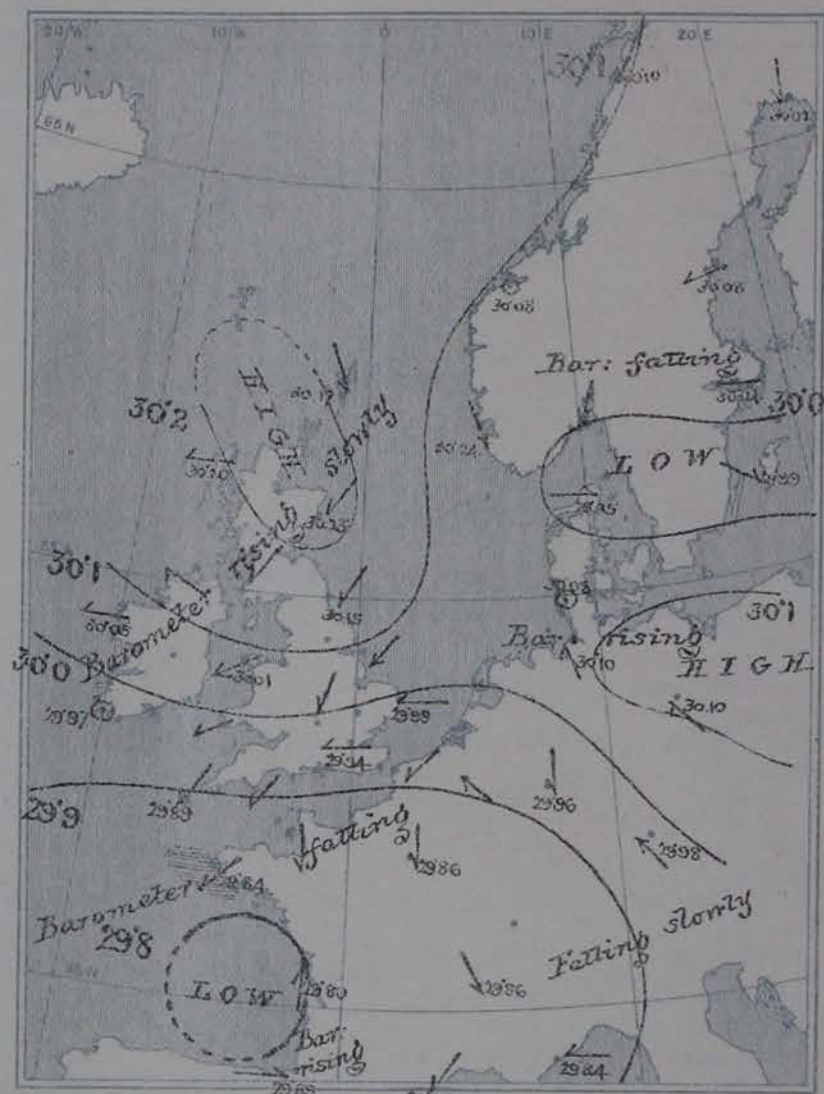
☼ = Rough. ☼ = High.

MEAN HEIGHT OF THE BAROMETER

at 8.0 a.m. for the month of June

During the 20 Years: 1871—1890.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.883
Stornoway	29.879
Wick	29.898
Nairn	29.901
Albion	29.916
Leith	29.930
Shields	29.948
Spurn Head	29.964
York	29.969
Loughborough	29.980
Androssan	29.992
Mullaghmore	29.995
Donaghadee	29.916
Holyhead	29.986
Liverpool	29.986
Parsonstown	29.972
Valencia	29.975
Roche's Point	29.973
Pembroke	29.974
Scilly	29.999
Prawle Point	29.967
Jersey	29.919
Hurst Castle	29.998
Dover	29.982
LONDON	29.992
Oxford	29.986
Cambridge	29.985
Yarmouth	29.977



TEMPERATURE, & WEATHER AT 8 A.M., WITH RAINFALL IN PAST 24 HOURS.

TEMPERATURE—Isotherms are drawn for each 1°. Changes since previous morning are stated in words.

WEATHER—is shown by Letters of the Beaufort Scale.

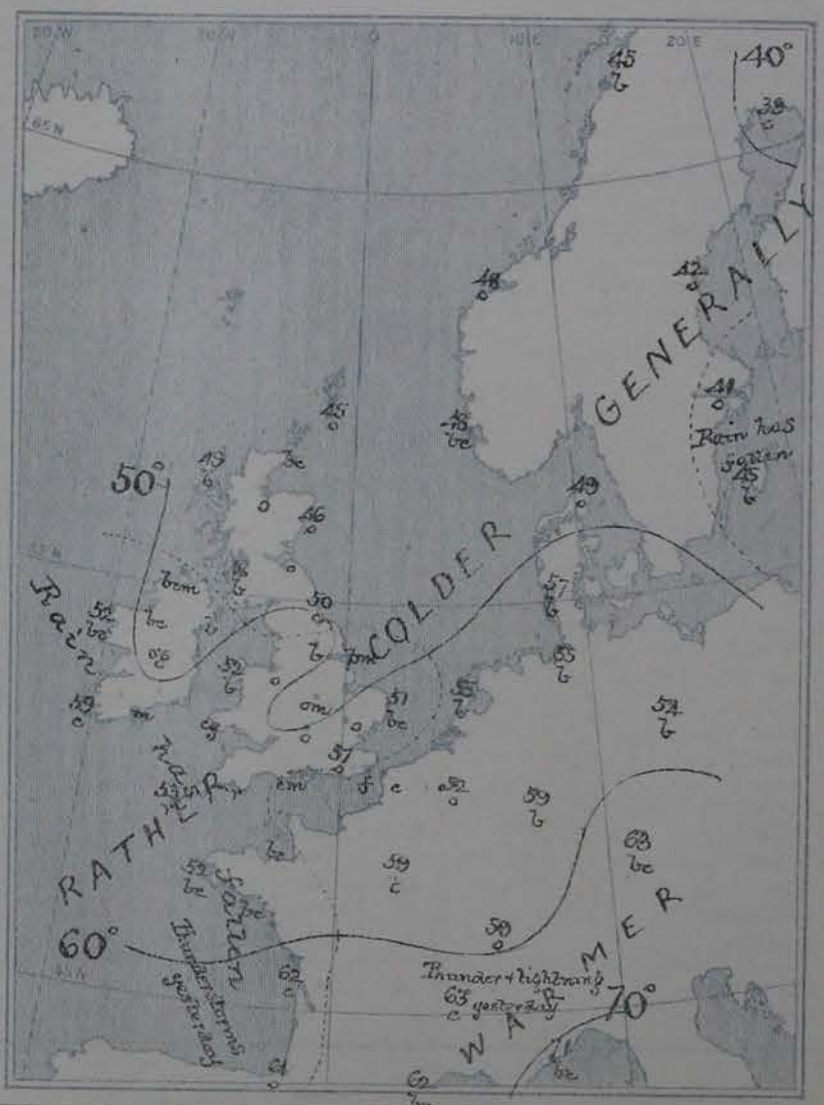
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of June.)

STATIONS.	TEMPERATURE.				RAINFALL (Inches.)
	Daily Max.	Daily Min.	at 8 a.m. Dry.	Wet.	
Sumburgh Head	54.6	45.0	50.3	48.0	1.98
Stornoway	58.0	45.9	53.3	51.1	2.85
Wick	58.9	45.3	53.3	50.7	1.73
Nairn	62.2	47.8	54.8	50.6	1.70
Albion	61.2	47.2	54.8	50.8	1.77
Leith	63.9	47.9	55.9	52.3	1.80
Shields	60.6	48.7	54.8	51.7	1.71
Spurn Head	60.4	51.4	55.3	52.9	1.54
York	60.1	48.4	55.2	52.7	2.17
Loughborough	68.4	49.0	57.8	53.8	2.22
Androssan	62.6	49.5	55.1	52.1	2.49
Mullaghmore	61.3	51.4	54.9	52.0	2.79
Donaghadee	61.2	49.3	55.0	51.8	1.91
Holyhead	61.6	51.5	55.7	53.2	1.98
Liverpool	63.8	50.9	56.7	52.7	1.89
Parsonstown	64.5	48.5	56.0	52.6	2.20
Valencia	62.2	51.1	57.2	54.3	3.27
Roche's Point	64.5	51.1	56.8	53.6	3.11
Pembroke	69.8	51.3	55.2	53.1	1.94
Scilly	61.3	53.0	57.3	55.2	1.84
Prawle Point	61.5	50.5	56.9	54.0	1.40
Jersey	64.6	52.6	58.6	56.8	1.91
Hurst Castle	64.2	51.9	57.7	56.5	1.97
Dover	63.0	52.5	58.2	54.9	1.69
LONDON	69.1	56.6	58.9	54.6	2.11
Oxford	66.9	49.5	56.8	53.3	2.21
Cambridge	68.6	48.5	58.1	54.7	2.23
Yarmouth	62.0	61.1	66.9	54.0	1.88

NOTE.—The Temperature means are for the 20 years 1871-90, the Rainfall means are mainly those for the 25 years 1866-90.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.2 in: and upwards, in an anticyclonic lens over and to the northward of Scotland.
 Lowest, 29.8 in: and less, in a shallow depression lying over the Bay of Biscay.
 Gradients slight. Barometer falling in France and the extreme south of England, as well as over the southern part of Scandinavia but rising elsewhere.

TEMPERATURE

Highest, 71° at Nice, 63° at Lyons and Munich, 62° at Liverpool, 61° at Biarritz, and 55° at Paris, Belfast, and Lisbon.
 Lowest, 39° at Haparanda, 41° at Stockholm, 42° at Helsingfors, 45° at Riga and Vitebsk, and 46° at Rangoon and Madras.
 The highest maxima registered over our islands yesterday were 70° in London and 66° at Oxford.

WIND

Light or moderate from the E² or NE² over the whole of the United Kingdom and from the SE² in Germany.
 Moderate from between N. and N.E. over the greater part of Scandinavia.
 Variable in France; fresh from the SW² at Lisbon.

WEATHER

Fair in place, but cloudy or overcast on the whole, with passing showers at Spanish H²; steady rain in the southwest of England and thunder at Paris.
 Since yesterday morning rain has fallen in many parts of Ireland and England, the largest amount being 0.5 in. at Harrogate.
 Thunderstorms have occurred at several of the French stations.

SEA

Moderate to smooth generally, but rather rough at Lorient.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

There is still a strong tendency for the formation of shallow depressions over France and the Bay of Biscay, and showery weather is therefore likely to continue over our southern district with thunder in some places. In the western and northern parts of the Kingdom some improvement in the weather is likely.

FORECASTS

For the 24 hours ending at NOON on 7th JUNE 1891.

DISTRICTS.

FORECASTS.

- 0 SCOTLAND NORTH
- 1 SCOTLAND EAST
- 2 ENGLAND N.E.
- 3 ENGLAND EAST
- 4 MIDLAND COUNTIES
- 5 ENGLAND SOUTH

E² and NE² winds, light; fair generally.
 E² and NE² winds, moderate; cloudy, some showers, possibly thunder.

DISTRICTS.

FORECASTS.

- 6 SCOTLAND WEST
- 7 ENGLAND N.W.
- 8 ENGLAND S.W.
- 9 IRELAND NORTH
- 10 IRELAND SOUTH

Same as No 0 to 2.
 E² winds, moderate or fresh; fair generally.
 NE² winds, moderate; unsettled, rain at times.

Same as No 7.
 Same as No 0 to 2.

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.		WIND		WEA.	SEA		BAR.	THER.		WIND		WEA.	SEA
		D.	W.	D.	F.					D.	W.	D.	F.		
Skudesnaes ...	30.12	55	48	W	4	C	2		Holyhead ...	29.96	53	52	E	4	o g m
Sumborgh Head ...	30.23	47	43	NE	3	C	4		Valencia ...	29.88	57	55	S	3	o m p
Stornoway ...	30.16	52	51	E	4	b	4		Scilly ...	29.88	59	57	SSE	4	C
Aberdeen ...	30.22	49	46	ENE	4	b q	4		Jersey ...	29.95	64	59	SE	3	b m
Shields ...	30.12	54	51	NE	3	C	4		Dungeness ...	29.43	60	57	SW	4	b
Ardrossan ...	30.09	58	51	NE	4	b c	2		London ...	29.92	67	60	SW	2	C
Malin Head ...	30.03	54	50	ESE	5	b	3		Yarmouth ...	29.90	52	51	ESE	4	O
Mullaghmore ...	29.97	54	51	ENE	6	o g m	4		Rocheport ...	29.89	69	65	W	3	C
Belmullet ...	29.95	53	52	E	3	O	*								

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

Weather cloudy over the greater part of western, central and northern Europe, with fog in the southwest of England, heavy rain over our midland and northern counties, and snow in Finland. Fine over Italy, Austria, and the central and southern parts of Russia, as well as over Denmark and the Baltic. Rain falling during day in many parts of Ireland and England, and thunderstorms occurring at several of the French stations.

Temperature highest 75° at Palma and Sfax, 74° at Cagliari, 72° at Brindisi, and 71° at Trieste and Malta, above 65° at nearly all the Mediterranean and Adriatic stations, and below 60° in some parts of France and Belgium. Lowest 33° at Archangel and Haparanda, 35° at Krasno, 37° at Uleaborg and Krasnoff, and 40° at Hangö; below 45° over Sweden and northern Russia generally, and below 50° in the north of our Islands. Remaining below 60° all day in many parts of the United Kingdom, but reaching 70° in London, and exceeding that point at several of the Russian stations.

Wind light or moderate from the N^W over Scandinavia and northern Russia, moderate to strong from the E^W over the North Sea and the greater part of our Islands. SW³ in the extreme southeast of England and the north of France, as well as in the western parts of the Iberian Peninsula. Light and variable over southern and eastern Europe and also at the Algerian stations. No important change occurring during day.

Barometer highest 30.1 ins. and upwards, in a large anticyclone lying over Norway, Scotland, and the adjacent parts of the Atlantic, as well as in a smaller system lying off the south of Italy. Lowest 29.7 ins. and less, in a shallow depression over northern Russia; 29.8 ins. and less, in another system lying off the southwest of Ireland, 29.9 ins. and less, in a third very shallow disturbance over the central parts of the Mediterranean. Depression to the southward of our Islands disappearing later, but shallow disturbances forming over France and the Bay of Biscay.

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.

The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden and Denmark the observations are taken at 8 p.m. (Christiania time).

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 Sunday 7th June 1891.
 Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

R. H. SCOTT, Secretary.																		
STATIONS.	YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	BAROM.	TEMP.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 3.)	SHADE TEMP.		Amount of Rainfall.	
	Reading at 32° F. and Sea Level.	Dry.	Dir.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.		
SCANDINAVIA.	Haparanda ...	30.06	37	N	2	c	30.10	+ .08	40	38	+ 1	NNE	4	0	*	45	34	—
	Hernösand ...	30.11	42	WSW	2	c	30.16	+ .08	47	40	+ 5	NNE	2	c	*	54	36	—
	Stockholm ...	30.10	41	E	2	b	30.15	+ .11	44	38	+ 3	N	2	b	*	50	37	—
	Wisby ...	30.02	43	ESE	4	0	30.07	+ .08	46	40	+ 1	ESE	4	c	*	50	39	—
	Bodö ...	30.02	32	Z	0	b	30.06	— .04	50	44	+ 5	E	6	c	3	52	?	—
	Christiansund ...	30.09	46	NE	6	b	30.13	+ .05	50	41	+ 2	NE	5	b	3	50	41	—
	Skudesnaes ...	29.99	49	NNW	6	c	30.04	— .00	50	47	+ 2	ESE	4	0	3	52	45	—
	Christiania Fjord (Færder) ...	29.98	53	ESE	5	b	30.10	+ .09	48	43	— 1	ENE	5	b	2	54	46	—
	Skagen (The Scaw) ...	29.98	51	NE	1	b	30.02	+ .07	48	46	— 1	NE	4	0	3	63	46	—
	Fanö ...	29.97	49	NW	4	c	29.92	— .16	55	51	— 2	N	4	b	*	61	45	—
BRITISH ISLANDS.	Sumburgh Head ...	30.12	45	NNW	3	0	30.13	— .04	47	43	+ 2	NE	3	0	4	48	42	—
	Stornoway ...	30.19	49	E	4	b	30.17	— .03	46	46	— 3	E	4	c	4	51	43	—
	Wick ...	30.19	50	N	3	0	30.12	— .11	46	43	— 3	N	4	0	2	55	42	0.02
	Nairn ...	30.16	50	E	1	b	30.13	— .08	46	45	0	E	1	0	2	53	42	—
	Aberdeen ...	30.18	46	E	2	b	30.12	— .11	47	45	+ 1	NNW	4	ogpq	3	51	43	0.01
	Leith ...	30.15	49	ENE	2	b	30.10	— .09	48	46	+ 1	NE	1	0	*	51	42	—
	Shields ...	30.13	49	NE	3	c	30.06	— .09	48	45	— 2	N	3	c	4	53	43	—
	Spurn Head ...	30.05	49	NE	4	b	30.00	— .02	48	46	— 1	NE	4	0	4	52	46	0.01
	York ...	30.10	52	ENE	2	b	30.07	— .02	48	46	— 5	N	1	0	*	60	42	0.01
	Loughborough ...	30.02	53	NE	4	c	30.02	+ .01	47	46	— 2	NE	3	od	*	56	42	0.02
GERMANY & HOLLAND.	Ardrossan ...	30.12	54	NE	2	b	30.10	— .05	47	46	— 1	NE	2	0	1	56	40	—
	Malin Head ...	30.12	50	NNE	3	b	30.10	— .03	53	50	+ 4	NNW	1	bw	1	54	44	—
	Mullaghmore ...	30.06	56	E	5	b	30.10	— .00	50	47	+ 1	ENE	2	bw	2	58	46	—
	Belmullet ...	30.06	55	NNE	2	b	30.08	+ .08	53	51	+ 1	ENE	2	b	*	58	45	—
	Donaghadee ...	30.08	57	NE	3	b	30.11	— .01	56	53	+ 6	ENE	3	m	2	59	48	—
	Liverpool (Bidston) ...	30.04	52	NE	3	0	30.05	— .01	47	45	— 3	ENE	3	0	2	54	42	0.10
	Holyhead ...	30.01	53	ENE	3	0	30.05	+ .01	48	45	— 4	ENE	5	og	4	54	44	0.01
	Parsonstown ...	30.01	59	NE	1	b	30.06	+ .03	51	47	+ 2	NE	1	b	*	61	45	—
	Valencia ...	29.99	56	NNW	1	0	29.98	+ .01	56	53	— 3	NE	1	cm	2	62	50	0.80
	Roche's Point ...	29.99	56	ESE	4	c	29.98	— .00	54	50	— 1	E	4	bm	4	58	50	0.01
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.) ...	29.92	54	N	2	0	29.93	— .04	49	46	— 3	NE	4	b	2	57	48	0.10
	Scilly ...	29.86	53	NNE	4	0	29.83	— .06	51	50	— 2	NE	4	omp	3	55	50	0.07
	Prawle Point ...	29.83	55	NE	4	r	29.83	— .08	50	49	— 1	ENE	6	omu	5	56	49	0.43
	Jersey (St. Aubin's) ...	29.78	62	ENE	3	0	29.77	— .09	56	54	+ 1	NE	5	omg	4	63	53	—
	Hurst Castle ...	29.85	59	ENE	4	c	29.86	— .07	51	49	— 3	NE	6	cp	3	62	50	0.07
	Dungeness ...	29.86	56	ENE	5	c	29.82	— .08	52	50	— 3	ENE	6	0	5	59	52	—
	London ...	29.92	59	ENE	3	c	29.91	— .03	50	47	— 7	NE	4	0	*	66	47	—
	Oxford ...	29.95	55	NE	4	0	29.95	— .02	48	45	— 3	NE	5	0	*	62	46	—
	Cambridge ...	29.98	57	NE	2	b	29.94	— .04	51	48	— 4	NE	2	0	*	63	43	—
	Yarmouth ...	30.00	53	ENE	5	b	29.95	— .04	51	48	0	NE	4	bcv	4	55	47	—
PENIN. SULA.	Cuxhaven ...	29.99	54	NNE	4	b	29.94	— .16	53	51	— 2	NE	3	b	*	61	52	—
	Berlin ...	29.93	60	ESE	2	c	29.88	— .22	58	51	+ 4	NNE	4	b	*	68	50	—
	Wiesbaden ...	*	*	*	*	*	29.79	— .17	60	57	+ 1	NE	1	c	*	68	55	—
	Munich ...	29.87	57	NE	2	c	29.78	— .20	58	57	— 5	E	4	0	*	72	52	0.24
	The Helder ...	29.99	54	NE	3	b	29.92	— .12	52	49	— 3	NE	3	b	3	61	52	—
	Brussels (8 a.m.) ...	*	*	*	*	*	29.79	— .16	51	?	— 1	NE	5	0	*	64	48	—
	Cape Gris Nez ...	29.85	55	E	5	c	29.78	— .11	53	51	— 5	E	5	0	5	61	52	—
	Paris ...	29.78	67	NE	1	0	29.70	— .16	59	58	0	NE	2	0	*	74	57	0.20
	Brest ...	29.74	57	NE	3	c	?	?	53	52	+ 1	NE	1	0	2	75	50	—
	Lorient ...	29.78	60	WNW	3	c	29.72	— .11	52	50	— 5	NNE	3	m	2	68	50	—
FRANCE AND BELGIUM.	Rochefort ...	29.80	64	WNW	3	c	29.69	— .11	60	58	— 2	NNW	2	c	2	75	50	—
	Belfort ...	?	64	W	3	c	?	?	58	52	— 1	W	2	0	*	74	50	0.08
	Lyons ...	29.71	76	S	1	r	29.73	— .13	67	59	+ 4	NE	1	c	*	83	59	—
	Nice ...	29.87	73	SW	2	b	29.83	— .01	60	60	— 11	SW	4	f	2	87	57	—
	Perpignan ...	29.76	66	ENE	2	0	29.71	— .14	65	62	+ 3	E	2	b	*	73	55	—
	Biarritz ...	29.73	66	ENE	3	b	29.70	— .15	59	?	— 2	W	3	0	2	72	57	—
PENIN. SULA.	Corunna ...	*	*	*	*	*	29.71	— .08	65	62	+ 1	S	1	c	0	66	52	0.71
	Lisbon ...	29.83	60	SW	4	c	29.83	— .04	59	57	0	WSW	3	c	0	64	57	0.16

WEATHER CHARTS

for 8 a.m. on Sunday, 7th June, 1891.

BAROMETER, WIND AND SEA.

EXPLANATION OF MAP.

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

Changes since previous morning are stated in words.

WIND—Arrows show the prevalent winds. They fly with the wind and their bars and feathers refer to force thus—

→ = forces above 10; → = forces 8 to 10;
→ = forces 5 to 7; → = forces 1 to 4.
○ = dead calm.

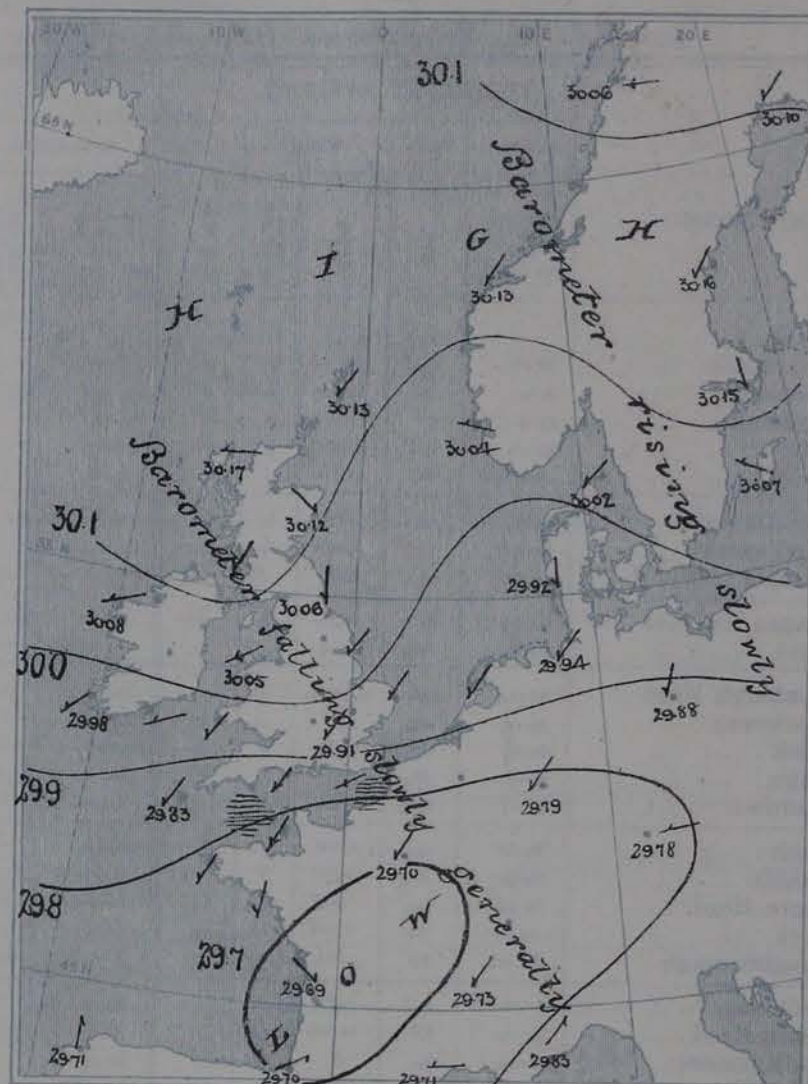
SEA DISTURBANCE—Where considerable, is shown thus:

☼ = Rough. ☼ = High.

MEAN HEIGHT OF THE BAROMETER

at 8.0 a.m. for the month of June
During the 20 Years: 1871—1890.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.883
Stornoway	29.876
Wick	29.898
Nairn	29.904
Aberdeen	29.916
Leith	29.930
Shields	29.948
Spurn Head	29.964
York	29.969
Loughborough	29.980
Ardrossan	29.932
Mullaghmore	29.936
Donaghadee	29.946
Holyhead	29.966
Liverpool	29.966
Parsonstown	29.972
Valencia	29.975
Roche's Point	29.973
Pembroke	29.974
Silly	29.996
Prawle Point	30.067
Jersey	30.010
Hurst Castle	29.998
Dover	29.982
LONDON	29.992
Oxford	29.986
Cambridge	29.985
Yarmouth	29.977



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.1 inches and more to 30.0 inches over Scandinavia and the northern half of the British Islands; 29.9 inches and more over the south of Spain.

Lowest 29.7 inches and less in a depression over the western and central parts of France, and also to the westward of Borneo.

Gradients moderate to slight — for easterly winds over our Islands, westerly over Spain.

Barometer falling slightly in the east and south, inclined to rise in west.

Highest 60° at Rochefort, 59° at Lisbon, Biarritz, and Paris.

TEMPERATURE

Lowest 40° at Capatanda, 46° at Hornum and Wick, 47° at Loughborough, 50° in London.

It has been as low as 40° to 43° at our northern stations, and at Cambridge in the night.

WIND

Northerly to Easterly over the whole of Scandinavia, the North Sea, Denmark and Germany, blowing strongly over the Channel and south of England.

Light Westerly to Southerly in Spain, variable elsewhere. It has been very squally at our southern stations during the night.

WEATHER

Fine in some northwest and west, cloudy and unsettled elsewhere, rain on our southwest and south coasts.

In London the sky is densely covered at times, and appearance is rainlike. Rainfall has been large (with thunder) at Valencia, considerable at Hawk Point.

SEA

Rather rough in the Channel, moderate at our northern, northeastern and some northwestern stations.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

For the 24 hours ending at NOON on June 2nd 1891.

DISTRICTS.

- 0 SCOTLAND NORTH
- 1 SCOTLAND EAST
- 2 ENGLAND N.E.
- 3 ENGLAND EAST
- 4 MIDLAND COUNTIES
- 5 ENGLAND SOUTH

FORECASTS.

Issued.
None

DISTRICTS.

- 6 SCOTLAND WEST
- 7 ENGLAND N.W.
- 8 ENGLAND S.W.
- 9 IRELAND NORTH
- 10 IRELAND SOUTH

FORECASTS.

Issued.
None
None Issued.

WARNINGS

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:		WIND		WEA.	SEA		BAR:	THER:		WIND		WEA.	SEA
		D.	W.	D.	F.					D.	F.	D.	F.		
Skudesnaes ...	30.02	32	48	NW	7	b _c	3	Holyhead ...	30.04	51	49	ENE	4	opq.	4
Sumburgh Head	30.14	46	45	NNW	4	o	4	Valencia ...	29.98	50	55	SSW	2	mp	1
Stornoway ...	30.20	50	49	E	3	b	3	Scilly ...	29.89	54	52	NE	3	om	3
Aberdeen ...	30.22	49	45	ENE	3	c	4	Jersey ...	29.82	61	58	ENE	3	o	3
Shields ...	30.15	52	46	NE	3	c	4	Dungeness ...	29.86	58	55	ENE	6	b	4
Ardrossan ...	30.14	56	49	NE	3	b	2	London ...	29.93	63	57	E	4	c	*
Mulin Head	30.14	52	48	NE	3	b	1	Yarmouth ...	30.00	55	53	ENE	3	b _c	3
Mullaghmore ...	30.08	55	50	ENE	5	b	2	Rochefort ...	29.85	68	64	SSW	1	o	?
Belmullet ...	30.07	58	53	E	9	b	*								

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

Weather in morning fine and bright at some of the Mediterranean stations, and at most of those in Central Europe and in Ireland and Scotland; cloudy or overcast elsewhere, especially over the southern part of England; rainy over our southernmost counties, thundery at Paris and unsettled generally. Rainy later at several of our southernmost stations, showery in the northeast; thundershowers in many parts of France, Central Europe, and the Baltic Provinces.

Temperature low for time of year in almost all countries. Morning readings exceeding 70° over Algeria, at Malta, Palermo, on the shores of the Adriatic and at Constantinople, as well as at Barcelona, exceeding 60° at most of the Spanish and southern French stations, but much lower elsewhere. Lowest 34° at Archangel, 37° at Keopis and Hango, 39° at Haparanda and Petersburg, and below 50° over Scotland, nearly the whole of northern Europe and over central Russia. Daily maxima exceeding 60° at our southwestern and southern stations and in Germany, exceeding 70° over the southern parts of France and Austria, and exceeding 80° in the south of Italy, at Monaco and Nice, and exceeding 90° in several parts of Algeria (102° at Biskra). Cold and raw over south of England at night.

Winds E to N³ over Scandinavia, the British Islands and the north and northwest of France - light to fresh in force; light from E. and SE. over South Germany, W to NW over the Baltic; very variable and light elsewhere. Becoming variable over the Baltic later and increasing considerably from the E^{and} over the southern countries of England and the English Channel. Little change of importance elsewhere.

Barometer highest 30.2 in: and more to 30.1 in: over the northern half of our Islands and off the west of Norway, and exceeding 30.1 in: in a secondary anticyclone over North Germany. Lowest 29.7 in: and less, in a shallow depression over the north of Iberia; 29.8 in: and less in others over the Bay of Biscay and to the westward of Borena. Depression over Bay of Biscay moving northwards later, and barometer falling over France, the Channel, and the south of England.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden and Denmark the observations are taken at 8 p.m. (Christiania time).

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	21	10	0
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DAILY WEATHER REPORT.

for *Monday 8th June.* 1891.
 Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

R. H. SCOTT, Secretary.																		
8 A.M. TO DAY.																		
PAST 24 HOURS.																		
YESTERDAY EVENING.																		
BAROMETER.																		
SHADE TEMP.																		
WIND.																		
Weather.																		
Sea.																		
Amount of Rainfall.																		
STATIONS.																		
Reading at 32° F. and Sea Level.																		
Dry.																		
Dirce.																		
Force.																		
(0 to 12.)																		
Weather.																		
Reading at 32° F. and Sea Level.																		
Difference from 8 a.m. yesterday.																		
Dry.																		
Wet.																		
Difference from 8 a.m. yesterday.																		
Dirce.																		
Force.																		
(0 to 12.)																		
Weather.																		
Sea.																		
(0 to 2.)																		
Max.																		
Min.																		
Amount of Rainfall.																		
SCANDINAVIA.	Haparanda ...	29.97	37	WSPW	2	bc	29.74	-0.26	44	41	+4	E	2	bc	*	46	34	—
	Hernösand ...	30.11	42	P	4	bc	29.92	-0.24	52	43	+9	W	4	bc	*	53	34	—
	Stockholm ...	30.16	41	2	0	bc	30.10	-0.05	53	44	+9	W	4	bc	*	54	34	—
	Wisby ...	30.12	41	E	4	bc	30.10	+0.03	44	41	-2	NNW	4	bc	*	53	37	—
	Bodö ...	30.01	41	WSPW	6	0	29.87	-0.19	42	42	—	WSPW	4	0	2	45	37	0.04
	Christiansund	30.13	51	NE	3	bc	30.15	+0.02	46	42	-4	WSPW	5	C	3	54	43	—
	Skudesnaes ...	30.15	53	NNW	2	C	30.20	+0.16	53	49	+3	NW	6	bc	3	54	43	—
	Christiania Fjord	30.15	54	N	2	bc	30.15	+0.05	53	47	+7	SEW	4	bc	2	54	43	—
	(Færdar)																	
	Skagen (The Scaw)	30.12	50	ENE	1	bc	30.16	+0.14	50	44	+2	SE	1	bc	0	57	46	—
Fanö ...	29.98	53	E	5	bc	30.04	+0.12	59	50	+4	ENE	6	bc	*	64	46	—	
BRITISH ISLANDS.	Sumburgh Head	30.17	49	NE	4	C	30.25	+0.12	47	44	0	NNW	1	0	1	51	43	—
	Stornoway ...	30.17	50	E	4	bc	30.23	+0.06	50	48	+4	E	4	bc	4	52	40	—
	Wick ...	30.18	48	NNE	2	C	30.26	+0.14	53	50	+7	E	2	bc	2	53	44	—
	Nairn ...	30.16	49	E	1	C	30.21	+0.05	52	50	+6	E	2	C	2	52	45	—
	Aberdeen ...	30.14	47	N	4	Cg	30.24	+0.12	52	49	+5	NE	3	bc	3	52	44	0.06
	Leith ...	30.10	51	ENE	4	bc	30.16	+0.06	50	48	+2	ENE	3	C	*	53	44	0.05
	Shields ...	30.05	49	N	3	C	30.08	+0.02	50	48	+2	N	3	0	5	52	45	—
	Spurn Head ...	29.97	50	NNE	3	0	29.96	-0.04	52	50	+4	NE	4	bc	4	53	47	—
	York ...	30.02	52	N	1	C	30.03	-0.04	53	50	+5	N	3	0	*	54	41	—
	Loughborough	29.97	50	NNE	3	0	29.98	-0.04	49	48	+2	NE	3	odpm	*	52	46	—
GERMANY & HOLLAND.	Ardrossan ...	30.08	53	ENE	2	bc	30.14	+0.04	52	47	+5	ENE	3	C	2	55	43	—
	Malin Head ...	30.06	51	ENE	2	bc	30.14	+0.04	51	48	-2	ESE	3	C	2	53	46	—
	Mullaghmore ...	30.03	54	N	5	bc	30.10	0.0	49	45	-1	ENE	4	C	2	60	46	—
	Belmullet ...	30.08	52	NNE	2	0	30.08	0.0	52	48	-1	E	2	0	*	58	47	—
	Donaghadee ...	30.06	52	NE	2	C	30.11	0.0	50	47	-6	NE	3	C	1	56	49	—
	Liverpool (Bidston)	30.02	51	NE	2	0	30.04	-0.01	50	47	+3	NE	1	P	2	53	46	—
	Holyhead ...	30.02	51	NNE	3	bc	30.03	-0.02	50	47	+2	ENE	3	C	3	53	47	—
	Parsonstown ...	29.91	59	2	0	bc	30.08	+0.02	50	47	-1	NE	1	0	*	62	48	0.08
	Valencia ...	30.00	60	ESE	1	bc	30.02	+0.04	54	52	-2	2	0	om	1	63	46	—
	Roche's Point...	30.00	54	ESE	4	bc	30.02	+0.04	55	50	+1	E	3	bc	3	60	46	—
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	29.95	53	NNE	4	0	29.96	+0.03	52	48	+3	NNE	3	C	1	59	46	—
	Scilly ...	29.88	53	NE	4	C	29.91	+0.08	51	47	0	NNE	4	0	3	53	47	0.01
	Prawle Point ...	29.86	54	NE	5	bc	29.87	+0.04	49	47	-1	NE	4	0	4	56	46	—
	Jersey (St. Aubin's)	29.78	52	NE	5	0	29.77	0.0	52	51	-4	NE	5	om	4	58	50	0.41
	Hurst Castle ...	29.85	53	ENE	6	C	29.87	+0.01	51	50	0	NE	5	cm	3	60	48	0.04
	Dungeness ...	29.82	53	ENE	6	0	29.83	+0.01	52	52	0	NE	6	T	4	54	51	0.15
	London ...	29.90	55	NNE	3	0	29.90	-0.01	52	48	+2	NE	2	0	*	57	47	—
	Oxford ...	29.95	49	NE	4	0	29.93	-0.02	52	49	+4	NE	3	C	*	52	45	—
	Cambridge ...	29.96	51	N	2	0	29.93	-0.01	56	53	+5	NNE	1	C	*	57	42	—
	Yarmouth ...	29.92	51	NE	5	Cg	29.91	-0.04	54	52	+3	ENE	4	bc	4	54	49	—
PENINSULA.	Cuxhaven ...	29.87	55	NNE	5	bc	29.94	0.0	52	50	-1	E	5	C	*	63	51	—
	Berlin ...	29.83	62	ESE	3	P	29.88	0.0	53	52	-3	ENE	5	0	*	70	52	0.08
	Wiesbaden ...	29.82	*	*	*	*	29.84	+0.05	60	58	0	2	0	0	*	66	53	0.39
	Munich ...	29.82	61	SW	3	P	29.93	+0.15	66	60	+8	E	2	bc	*	72	55	0.20
	The Helder ...	29.88	53	NE	3	C	29.92	0.0	58	52	+3	ENE	3	C	3	59	52	—
	Brussels (9 a.m.)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Cape Gris Nez	29.80	52	NE	6	0	29.80	+0.02	52	51	-1	NE	5	T	5	54	48	0.12
	Paris ...	29.73	59	NNE	2	0	29.78	+0.08	62	59	+3	E	2	bc	*	62	52	0.04
	Brest ...	29.70	55	E	4	0	?	+0.01	50	50	-3	NE	3	0	4	61	48	0.16
	Lorient ...	29.71	54	NNE	4	0	29.75	+0.03	54	51	+2	NNE	3	0	3	63	52	—
PENINSULA.	Rochefort ...	29.67	63	NNW	2	C	29.71	-0.06	60	58	0	W	4	0	*	68	48	0.08
	Belfort ...	?	65	W	3	P	?	?	63	61	+2	N	3	C	*	73	52	0.32
	Lyons ...	29.75	65	N	2	0	29.83	+0.10	58	56	?	W	1	0	*	78	54	0.12
	Nice ...	29.88	61	E	2	0	29.98	+0.12	59	58	-1	SE	4	T	3	78	55	—
	Perpignan ...	29.69	70	N	3	0	29.74	+0.03	61	60	-4	2	0	T	*	83	57	0.04
	Biarritz ...	29.73	65	NNE	2	bc	29.78	?	59	57	?	N	3	T	2	72	55	0.43
	Corunna ...	29.87	58	WSPW	5	P	30.02	+0.19	59	58	0	NNW	4	bc	3	64	55	0.24
	Lisbon ...	29.87	58	WSPW	5	P	30.02	+0.19	59	58	0	NNW	4	bc	3	64	55	0.24

For Explanation of Columns, see bottom of p. 4.

† Received too late for insertion in Charts on p. 2.

WEATHER CHARTS

for 8 a.m. on Monday, 8th June, 1891.

BAROMETER, WIND AND SEA.

EXPLANATION OF MAP

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

Changes since previous morning are stated in words.

WIND—Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force thus—

→ forces above 10 → forces 8 to 10 →

→ forces 5 to 7 → forces 1 to 4 →

○ = dead calm.

SEA DISTURBANCE—Where considerable, is shown thus:

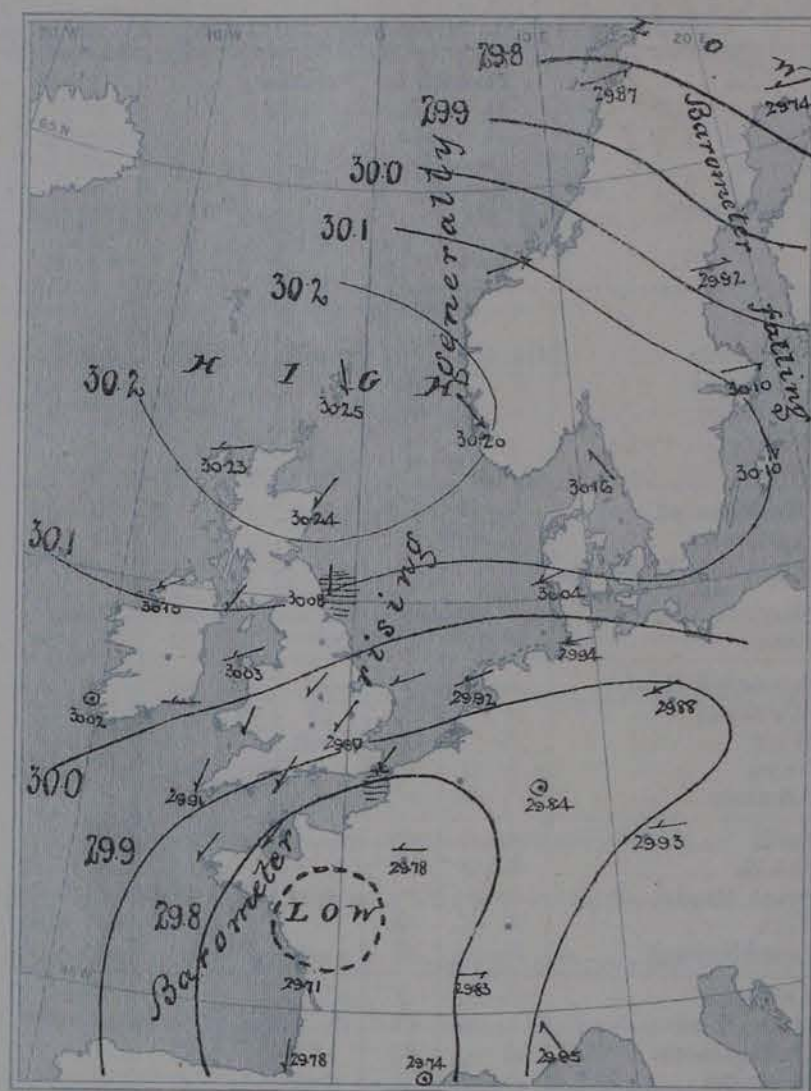
≡ = Rough. ≡ = High.

MEAN HEIGHT OF THE BAROMETER

at 8.0 a.m. for the month of June

During the 20 Years: 1871—1890.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.883
Stornoway	29.870
Wick	29.898
Nairn	29.904
Aberdeen	29.910
Leith	29.930
Shields	29.948
Spurn Head	29.964
York	29.969
Loughborough	29.980
Ardrossan	29.982
Mullaghnore	29.986
Donaghadee	29.946
Holyhead	29.956
Liverpool	29.966
Parsonstown	29.972
Valencia	29.975
Roche's Point	29.973
Pembroke	29.974
Seilly	29.996
Prawle Point	30.007
Jersey	30.010
Hurst Castle	29.998
Dover	29.982
LONDON	29.992
Oxford	29.986
Cambridge	29.985
Yarmouth	29.977



TEMPERATURE, & WEATHER AT 8 A.M., WITH RAINFALL IN PAST 24 HOURS.

TEMPERATURE—Isotherms are drawn for each 10°. Changes since previous morning are stated in words.

WEATHER is shown by letters of the Beaufort Scale.

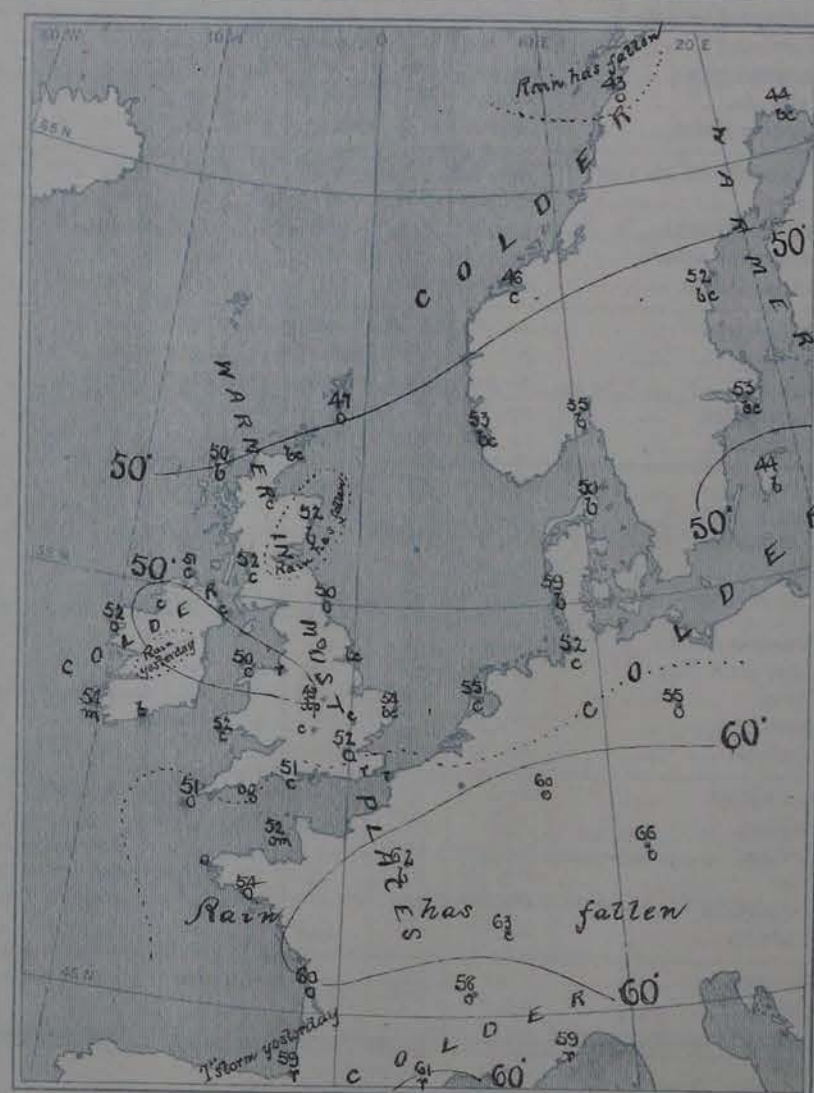
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of June.)

STATIONS.	TEMPERATURE.				RAINFALL (Inches.)
	Daily	Daily	at 8 a.m.		
	Max.	Min.	Dry.	Wet.	
Sumburgh Head.....	54.6	45.0	50.3	48.6	1.98
Stornoway	58.0	45.9	53.3	51.1	2.85
Wick.....	58.8	45.5	53.3	50.7	1.74
Nairn.....	62.2	47.8	54.3	50.6	1.70
Aberdeen.....	61.2	47.2	54.8	50.8	1.77
Leith.....	63.9	47.9	55.9	52.3	1.80
Shields.....	60.6	48.7	54.8	51.7	1.71
Spurn Head.....	60.4	51.4	55.3	52.8	1.54
York.....	66.1	48.3	56.2	52.7	2.17
Loughborough.....	68.6	49.0	57.8	53.9	2.22
Ardrossan.....	62.0	49.5	55.1	52.1	2.49
Mullaghnore.....	61.1	51.4	54.9	52.0	2.70
Donaghadee.....	61.2	49.3	55.0	52.8	1.92
Holyhead.....	61.6	51.5	55.7	53.2	1.98
Liverpool.....	63.8	50.9	56.7	52.7	1.89
Parsonstown.....	64.5	48.5	56.0	52.6	2.39
Valencia.....	62.2	51.1	57.2	54.3	3.27
Roche's Point.....	64.5	51.1	56.8	53.6	3.14
Pembroke.....	60.3	51.5	55.2	53.1	1.94
Seilly.....	61.3	53.0	57.3	55.2	1.84
Prawle Point.....	61.5	50.5	56.9	54.0	1.60
Jersey.....	64.6	52.5	58.6	55.8	1.91
Hurst Castle.....	64.2	51.9	57.7	55.5	1.97
Dover.....	63.0	52.5	58.2	54.9	1.39
LONDON.....	69.1	56.6	58.9	54.6	2.11
Oxford.....	66.9	49.5	56.8	53.3	2.21
Cambridge.....	68.6	48.5	58.1	54.7	2.23
Yarmouth.....	62.0	51.1	56.9	51.0	1.88

NOTE.—The Temperature means are for the 20 years 1871-90, the Rainfall means are mainly those for the 25 years 1865-90.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.2 in: and upwards, in an anticyclone lying over the northern parts of Scotland and the North Sea.
 Lowest, 29.7 in: and less, in a shallow disturbance lying over France; 29.8 in: and less, in a large depression lying over the north of Scandinavia.
 Gradients slight generally. Barometer rising generally, but falling somewhat decidedly in Sweden and the north of Norway.

TEMPERATURE

Highest, 66° at Munich, 62° at Paris, 61° at Perpignan, 60° at Wiesbaden and Rochefort, and 59° at Biarritz, Nice and Lisbon.
 Lowest, 43° at Bodo, 44° at Haparanda, 46° at Christiansund, 47° at Lumburg St., and 49° at Mullaghmore.
 The maxima registered yesterday were below 60° in nearly all parts of Great Britain, and below 55° at several of our northern and eastern stations.

WIND

NE⁴ or E³ over our Islands, the Netherlands and the northern parts of France and Germany; fresh or strong in force at the Channel stations.
 Moderate from the W^{ind} in Scandinavia, and also over the central parts of France.
 Light and variable in the south of France.

WEATHER

Bell at many of the English, French, and German stations, with passing showers in some parts of England, and steady rain in the south of France.
 Fine in Ireland and Scotland, as well as at the Scandinavian and Danish stations.
 A thunderstorm is reported to have occurred at Paris.

SEA

Moderate to smooth generally, but rather rough at Cape Gris Nez.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Some large depressions are now beginning to appear over the northern parts of Scandinavia, and the anticyclone over Scotland is inclined to move southwards. A gradual improvement in the weather seems probable over the United Kingdom.

FORECASTS

For the 24 hours ending at NOON on 9th JUNE 1891.

DISTRICTS.

FORECASTS.

- | | | |
|---|------------------|--|
| 0 | SCOTLAND NORTH | E ² to Variable breezes; fair generally. |
| 1 | SCOTLAND EAST | |
| 2 | ENGLAND N.E. | NE ² Winds, light; fair generally. |
| 3 | ENGLAND EAST | |
| 4 | MIDLAND COUNTIES | NE ² Winds, light or moderate; fair generally, but local showers. |
| 5 | ENGLAND SOUTH | |



DISTRICTS.

FORECASTS.

- | | | |
|----|---------------|--|
| 6 | SCOTLAND WEST | Same as Nos 1 and 2. |
| 7 | ENGLAND N.W. | |
| 8 | ENGLAND S.W. | NE ² and N ² Winds, moderate; cloudy, local showers. |
| 9 | IRELAND NORTH | |
| 10 | IRELAND SOUTH | Same as Nos 1 and 2. |

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.

	THER:		WIND		WEA	SEA		THER:		WIND		WEA	SEA
	BAR:	D.	W.	D.				BAR:	D.	W.	D.		
Skudesnaes ...	30.12	58	50	NNW	3	C	3	Holyhead ...	30.04	53	48	ENE	4
Sumburgh Head ...								Valencia ...					
Stornoway ...	30.17	51	48	E	4	C	4	Scilly ...					
Aberdeen ...								Jersey ...	29.75	53	53	ENE	5
Bhields ...								Dungeness ...	29.82	53	50	ENE	6
Ardrossan ...								London ...					*
Malin Head ...	30.10	51	48	N	3	0	1	Yarmouth ...					
Mullaghmore ...								Rockefort ...	29.67	64	60	SEW	3
Balmullet ...	30.09	53	51	NNE	2	6	*						*

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

Weather in morning fine over Russia, southeastern Europe and on all the eastern shores of the Mediterranean, as well as at the Irish stations, cloudy and changeable elsewhere, with rain over Galicia, Poland, and the southwest of England, showers at Aberdeen, thunder and lightning at Sfax (Tunis). Rain at many Continental stations later and over the southwest of England and east of Scotland.

Temperature very low for time of year over the greater part of Europe, high in the extreme southeast, morning readings as high as 80° at Malta, and exceeding 70° at Constantinople, Brindisi, Lesina, Trieste and in several parts of Algeria and exceeding 60° at all the Mediterranean stations. Below 50° over the major part of Great Britain and northern Europe and as low as 33° at Archangel, 40° at Haparanda and Kuopio, 41° at St. Petersburg, 44° at Stockholm, 46° in the northeast of Scotland, 47° at Loughborough, and 50° in London. Rising to 60° or more at a few of our western stations later, but not exceeding 57° in London.

Wind N² to NE² over nearly the whole of northern and northwestern Europe - moderate in most places, but strong in the English Channel; mainly W² to S² over the Mediterranean, extremely variable elsewhere. No change of importance in our Islands and their neighbourhood later.

Barometer highest 30.3 ins. and more to 30.1 ins. over southern Russia, the Black Sea and Asia Minor; 30.1 ins. and more to 30.0 ins. over the northern parts of the British Islands and Scandinavia; exceeding 29.9 ins. over Algeria and the south of Spain. Lowest 29.7 ins. and less in depressions over France and off Corunna; 29.8 ins. and less over northern Russia. Little change later.

SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD FROM THE 31ST MAY TO 6TH JUNE 1891.

The weather during this week has varied greatly over the United Kingdom. At first it was warm and bright over England and the east of Scotland, very rainy over Ireland and the southwest of England - especially in the south of Ireland and at Scilly Island. The rain soon spread to the southeastern parts of England and temperature fell, but in Scotland the sky cleared and the weather was dry. On Thursday the northern counties of England were involved in a heavy downpour, while in the south and southeast the fall was comparatively slight, and Scotland was still dry and bright. At the close of the week showers continued at most of the English stations and the wind there was becoming very cold and squally, but in the north and west the weather was fair.

Two depressions worth noting have appeared during the week.

The first lay off the west of Ireland on Tuesday morning, while shallow secondary disturbances were found over France, England and the southern parts of the North Sea. These conditions were maintained till Friday, but decreased gradually in intensity as the week advanced.

The second appeared over the Bay of Biscay on Saturday morning and moved northwards and eastwards to France during the day - its northern parts spreading at the same time over the Channel and southern counties of England.

In Scotland and Norway the conditions have been mainly anticyclonic.

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.

The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden and Denmark the observations are taken at 8 p.m. (Christiania time).

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 *Tuesday 9th June.* 1891.
 Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

STATIONS.		YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
		BAROM.	TEMP.	WIND.			BAROMETER.		SHADE TEMP.			WIND.				SHADE TEMP.			
				Reading at 32° F. and Sea Level.	Dry.		Dirac.	Force. (0 to 12.)	Weather.	Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.			Difference from 8 a.m. yesterday.	Dirac.	Force. (0 to 12.)	Weather.
SCANDINAVIA.	Haparanda ...	29.69	54	N	2	C	29.63	-11	47	40	+3	NW	2	C	*	54	36	—	
	Hernösand ...	29.87	54	WNW	2	C	29.83	-1.09	51	44	-1	W	2	C	*	70	37	—	
	Stockholm ...	29.93	52	2	0	C	29.93	-1.17	58	50	+5	X	0	C	*	63	37	—	
	Wisby ...	30.03	45	SW	4	C	29.98	-1.12	49	48	+5	WSW	4	C	*	52	34	—	
	Bodö ...	29.96	41	WSW	4	C	29.68	-1.19	42	41	-1	SW	7	P	4	43	27	0.04	
	Christiansund	30.12	46	W	7	C	30.01	-1.14	45	43	-1	WSW	5	C	4	46	45	—	
	Skudesnaes ...	30.15	48	NNW	6	C	29.99	-2.1	50	45	-3	NNW	6	C	2	53	39	—	
	Christiania Fjord (Færd)	30.00	54	SW	3	C	29.97	-1.8	52	50	-3	NNE	2	0	2	55	52	—	
	Skagen (The Scaw)	30.04	50	2	0	C	29.97	-1.19	52	49	+2	SW	1	C	1	63	45	—	
	Fanö ...	30.06	52	E	4	C	29.94	-1.10	53	50	-4	NE	4	C	*	64	43	—	
BRITISH ISLANDS.	Sumburgh Head	30.21	48	WNW	1	C	30.06	-1.19	46	45	-1	WNW	1	0	1	51	44	—	
	Stornoway ...	30.20	57	NE	4	C	30.15	-0.8	49	47	-1	NE	2	C	3	53	37	—	
	Wick ...	30.23	53	SE	2	C	30.12	-1.14	50	48	-3	NW	2	C	1	58	35	—	
	Nairn ...	30.15	53	E	2	C	30.10	-1.11	54	51	+2	W	1	C	1	56	33	—	
	Aberdeen ...	30.23	50	ENE	3	C	30.11	-1.13	54	48	+2	ESE	1	SW	2	55	35	—	
	Leith ...	30.19	50	NE	3	0	30.12	-0.4	53	48	+3	ENE	1	C	*	53	44	—	
	Shields ...	30.13	52	NE	3	C	30.09	+0.1	51	48	+1	NNW	3	C	4	54	40	—	
	Spurn Head ...	30.02	51	NE	5	0	30.00	+0.4	50	48	-2	NNE	5	0	4	55	48	—	
	York ...	30.08	53	NE	3	0	30.07	+0.4	53	47	0	NE	1	C	*	63	41	—	
	Loughborough	30.00	53	NE	4	0	30.02	+0.4	53	49	+4	NE	4	C	*	65	47	—	
GERMANY & HOLLAND.	Ardrossan ...	30.11	53	ENE	3	C	30.11	-0.3	54	49	+2	WNW	2	C	1	58	45	—	
	Malin Head ...	30.10	52	ESE	3	C	30.12	-0.2	51	48	0	SE	3	C	1	55	46	—	
	Mullaghmore ...	30.06	56	ENE	4	C	30.08	-0.2	51	49	+2	E	5	C	2	60	45	—	
	Belmullet ...	30.05	56	E	3	0	30.05	-0.3	50	53	+4	E	1	C	*	56	48	—	
	Donaghadee ...	30.07	53	NE	2	C	30.12	+0.1	53	50	+3	NE	2	C	1	58	49	—	
	Liverpool (Bidston)	30.00	55	ENE	5	C	30.05	+0.1	54	47	+4	ENE	2	C	3	62	48	—	
	Holyhead ...	29.99	54	NE	2	C	30.04	+0.1	52	49	+2	ENE	4	C	4	58	45	—	
	Parsonstown ...	30.03	56	SE	1	C	30.03	-0.5	53	51	+3	2	0	C	*	57	44	—	
	Valencia ...	30.09	51	W	1	C	29.97	-0.5	53	51	-1	2	0	C	*	58	41	0.28	
	Roche's Point...	30.01	53	ESE	3	C	30.00	-0.2	53	51	0	ESE	4	C	4	58	48	—	
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	29.93	59	NNE	3	C	29.97	+0.1	52	51	0	ENE	3	0	1	60	50	0.01	
	Scilly ...	29.93	54	N	4	C	29.92	+0.1	53	53	+4	E	3	0	2	55	47	—	
	Prawle Point ...	29.97	54	NE	2	0	29.93	+0.6	54	53	+5	W	3	0.9	2	57	49	0.03	
	Jersey (St. Aubin's)	29.78	56	NNE	3	C	29.85	+1.2	56	54	+4	N	3	0.8	3	56	51	0.13	
	Hurst Castle ...	29.84	59	ENE	4	C	29.90	+0.3	54	52	+3	NNE	4	C	3	61	50	—	
	Dungeness ...	29.80	52	NE	5	C	29.81	-0.2	52	52	0	NE	5	0	4	55	52	0.10	
	London ...	29.85	57	NE	3	0	29.80	0.0	53	50	+3	NE	3	0	*	63	52	—	
	Oxford ...	29.93	53	NE	4	0	29.96	+0.3	53	50	+1	NNE	3	C	*	62	49	—	
	Cambridge ...	29.93	55	NE	2	C	29.94	+0.1	53	51	-1	NNE	2	0	*	67	48	—	
	Yarmouth ...	29.94	53	ENE	5	C	29.90	-0.1	51	50	-3	NE	6	C	5	58	49	—	
PENINSULA.	Cuxhaven ...	30.01	55	ENE	3	C	29.90	-0.4	52	51	0	E	6	C	*	61	51	—	
	Berlin ...	29.94	55	NE	4	0	29.80	-0.8	53	51	-2	E	4	P	*	70	50	—	
	Wiesbaden ...	*	*	*	*	*	29.77	-0.9	62	58	+2	SW	2	C	*	70	57	1.14	
	Munich ...	29.69	68	SE	5	C	29.87	-0.6	62	53	-4	E	1	C	*	73	55	—	
	The Helder ...	29.93	58	NE	4	C	29.77	-1.15	53	51	-2	NE	5	P	4	61	52	0.20	
	Brussels (8 a.m.)	29.82	55	NE	5	0	29.69	-0.4	51	51	0	NNE	2	P	*	63	51	0.71	
	Cape Gris Nez	29.75	57	E	1	P	29.76	-0.4	52	52	0	NE	5	P	*	55	50	0.12	
	Paris ...	29.75	57	E	1	P	29.75	-0.3	55	56	-5	WNW	3	0	*	65	55	0.35	
	Brest ...	29.91	51	N	4	P	29.91	+0.1	52	51	+2	N	2	C	2	54	48	0.08	
	Lorient ...	29.80	56	NNW	4	0	29.91	+1.6	54	53	0	WNW	3	C	2	57	54	—	
FRANCE AND BELGIUM.	Rochefort ...	29.82	60	WNW	5	0	29.97	+2.6	55	56	-3	W	6	0	3	64	48	—	
	Belfort ...	29.82	61	W	3	P	29.97	?	57	52	-6	W	3	0	*	64	50	0.87	
	Lyons ...	29.77	59	WSW	3	P	29.97	+1.4	?	?	?	2	0	*	66	57	0.43		
	Nice ...	29.92	60	SW	2	P	29.95	+0.4	55	53	-2	SW	1	C	2	64	50	0.43	
	Perpignan ...	29.84	58	W	2	P	30.09	+1.3	63	58	+2	W	2	C	*	79	52	0.24	
	Biarritz ...	29.90	60	NW	5	0	30.05	+2.7	59	53	0	WSW	3	C	*	?	?	1.54	
PENINSULA.	Corunna ...	30.13	62	NNW	3	C	30.13	+1.1	60	57	+1	NE	3	C	?	68	55	—	
	Lisbon ...	30.13	62	NNW	3	C	30.13	+1.1	60	57	+1	NE	3	C	?	68	55	—	

For Explanation of Columns, see bottom of p. 4.

† Received too late for insertion in Charts on p. 2.

WEATHER CHARTS

for 8 a.m. on Tuesday, 9th June, 1891.

BAROMETER, WIND AND SEA.

EXPLANATION OF MAP

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

Changes since previous morning are stated in words.

WIND—Arrows show the prevalent winds. They fly with the wind and

their barbs and feathers refer to force thus—

— forces above 10; — forces 8 to 10;

— forces 5 to 7; — forces 1 to 4.

— dead calm.

SEA DISTURBANCE—Where considerable, is shown thus:

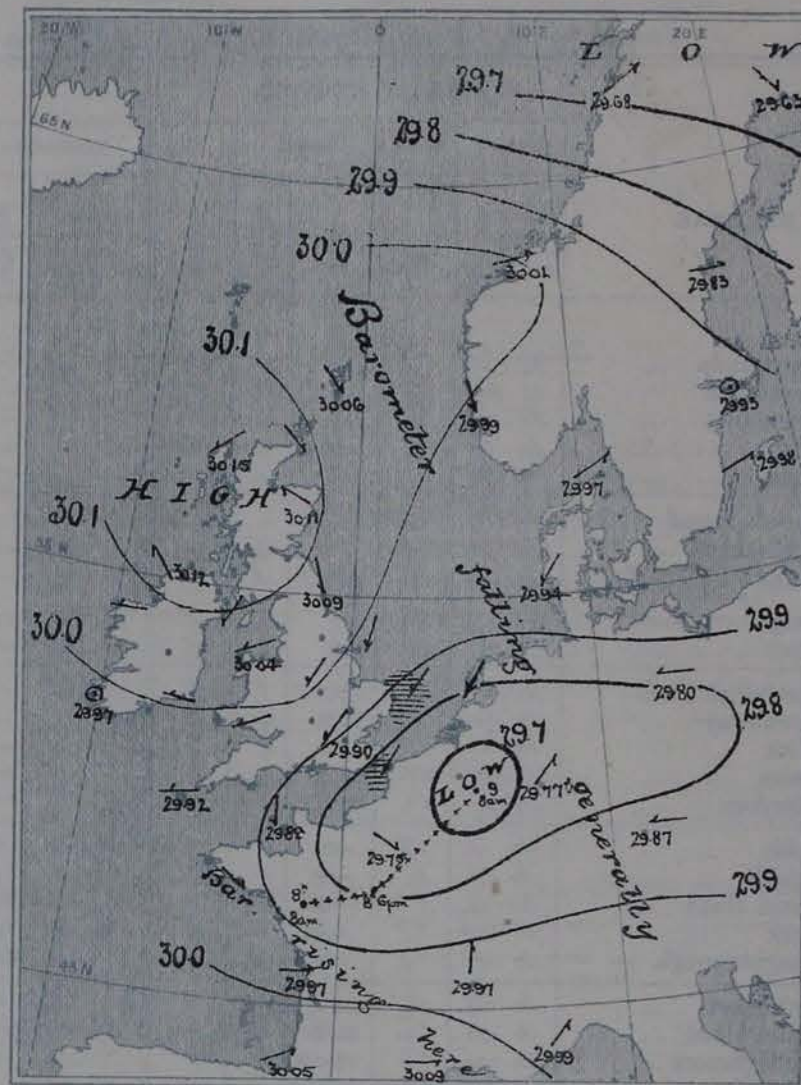
— Rough. — High.

MEAN HEIGHT OF THE BAROMETER

at 8.0 a.m. for the month of June

During the 29 Years: 1871—1890.

STATIONS.	MEAN READINGS.
Bamburgh Head	29.883
Stornoway	29.876
Wick	29.898
Nairn	29.904
Aberdeen	29.916
Leith	29.930
Shields	29.948
Spurn Head	29.964
York	29.969
Loughborough	29.980
Ardrossan	29.932
Mullaghmore	29.936
Donaghadee	29.946
Holyhead	29.966
Liverpool	29.966
Parsonstown	29.972
Valencia	29.975
Roche's Point	29.973
Pembroke	29.974
Seilly	29.996
Prawle Point	30.067
Jersey	30.010
Hurst Castle	29.998
Dover	29.982
LONDON	29.992
Oxford	29.986
Cambridge	29.985
Yarmouth	29.977



TEMPERATURE, & WEATHER AT 8 A.M., WITH RAINFALL IN PAST 24 HOURS.

TEMPERATURE—Isotherms are drawn for each 10°. Changes since previous morning are stated in words.

WEATHER is shown by Letters of the Beaufort Scale.

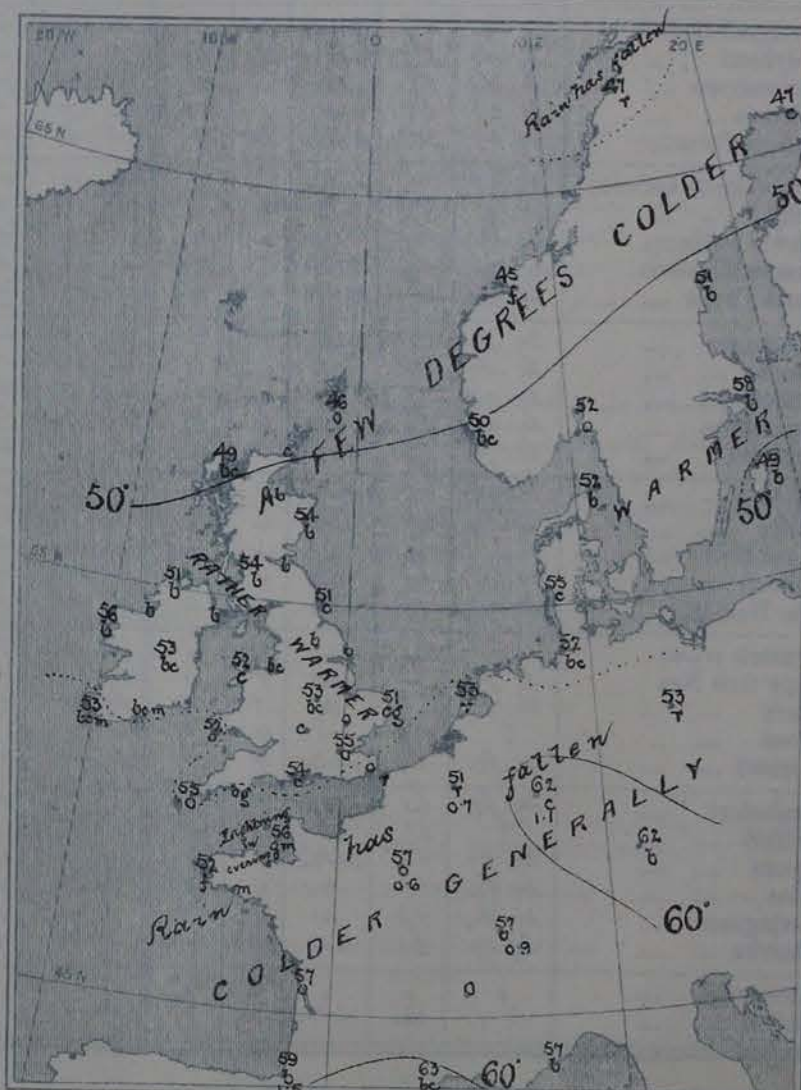
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of June.)

STATIONS.	TEMPERATURE.				RAINFALL (Inches.)
	Shade.	Day.	Dry.	Wet.	
Bamburgh Head.	61.6	45.0	50.3	48.6	1.98
Stornoway	58.0	45.9	53.3	51.1	2.85
Wick	58.9	45.5	53.3	50.7	1.74
Nairn	62.2	47.8	54.3	50.6	1.70
Aberdeen	61.2	47.2	54.8	50.8	1.77
Leith	65.0	47.9	55.9	52.3	1.80
Shields	60.8	48.7	54.8	51.7	1.71
Spurn Head	60.4	51.1	55.3	52.3	1.54
York	66.1	48.4	55.2	52.7	2.17
Loughborough	68.0	49.0	57.8	53.9	2.22
Ardrossan	62.0	49.5	55.1	52.1	2.49
Mullaghmore	61.1	51.4	54.0	52.0	2.79
Donaghadee	61.2	49.3	55.0	52.8	1.92
Holyhead	61.6	51.6	55.7	53.2	1.98
Liverpool	63.8	50.9	58.7	52.7	1.89
Parsonstown	64.5	48.5	56.0	52.6	2.39
Valencia	62.2	51.1	57.2	54.3	3.47
Roche's Point	64.5	51.1	56.8	53.6	3.13
Pembroke	60.3	51.5	55.2	53.1	1.94
Seilly	61.3	53.0	57.3	55.2	1.84
Prawle Point	61.5	59.5	56.9	61.6	1.60
Jersey	64.6	52.5	58.6	55.8	1.91
Hurst Castle	64.2	51.9	57.7	55.6	1.97
Dover	63.0	52.5	58.2	54.9	1.59
LONDON	69.1	56.6	58.9	54.6	2.11
Oxford	66.9	49.5	56.8	53.3	2.21
Cambridge	68.0	48.5	58.1	54.7	2.23
Yarmouth	62.0	51.1	56.9	54.0	1.88

NOTE.—The Temperature means are for the 20 years 1871-90, the Rainfall means are mainly those for the 25 years 1868-90.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.1 ins. and upwards, in an anticyclone lying over Scotland and the north of Ireland, and also in another system lying over the southern part of the Spanish Peninsula.
 Lowest, 29.7 ins. and less, over the north of Scandinavia, and also in a small depression lying over Belgium.
 Gradient slight and somewhat irregular. Barometer rising decidedly in France, but falling a little in nearly all other parts of Western Europe.

TEMPERATURE

Highest, 63° at Clermont, 62° at Wiesbaden and Munich, 60° at Liege, 59° at Hanover, and 55° at Stockholm.
 Lowest, 42° at Bordeaux, 45° at Christianmunde, 46° at Hamburg, 47° at Haparanda, and 49° at Tromsø.
 The highest maxima registered over our Islands yesterday were 67° at Cambridge, 65° at Loughborough and 63° at York and in London.

WIND

NE³ over England, the Netherlands, and the southern parts of the North Sea; fresh or strong in force on our extreme southeast coast.
 Light from the E² in Ireland, but variable in Scotland.
 Light from the W² in France; moderate to strong from the same quarter in Scandinavia.

WEATHER

Fair in the Netherlands and also at Berlin; dull over the south and east of England and the greater part of France.
 Fine in nearly all other parts of Western Europe, but rain and fog reported in the west of Norway.
 Heavy rain has fallen over France and Germany; the largest amount being 1.5 ins. at Hanover, 1.1 ins. at Wiesbaden, 0.9 ins. at Belfast, and 0.7 ins. at Brussels.

SEA

Moderate to smooth generally, but rather rough at Yarmouth and Cape Gris Nez.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The small depression which is lying over Belgium seems likely to take a somewhat more northerly course than hitherto, and will probably occasion showers at some of our eastern stations. The anticyclone in the north is apparently breaking up and the general appearance is by no means settled.

FORECASTS

For the 24 hours ending at NOON on 10th June 1891.

DISTRICTS.

FORECASTS.

- | | | |
|---|------------------|--|
| 0 | SCOTLAND NORTH | } light breezes, chiefly N ² ; fair generally. |
| 1 | SCOTLAND EAST | |
| 2 | ENGLAND N.E. | } N ² winds, moderate or fresh; fair generally, but local showers. |
| 3 | ENGLAND EAST | |
| 4 | MIDLAND COUNTIES | } NE ² to N ² winds, moderate; fair generally but perhaps local showers. |
| 5 | ENGLAND SOUTH | |

DISTRICTS.

FORECASTS.

- | | | |
|----|---------------|---|
| 6 | SCOTLAND WEST | } Light Variable breezes; fair generally. |
| 7 | ENGLAND N.W. | |
| 8 | ENGLAND S.W. | } NE ² to N ² winds, light; fair generally. |
| 9 | IRELAND NORTH | |
| 10 | IRELAND SOUTH | } NE ² winds, light or moderate; fine generally. |
| | | |

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.

THER: WIND								THER: WIND							
	BAR:	D.	W.	D.	F.	WEA.	SEA		BAR:	D.	W.	D.	F.	WEA.	SEA
Skudesnaes ...	30.20	53	48	NW	6	C	3	Holyhead ...	30.02	53	50	NNE	5	C	3
Sumburgh Head	30.25	49	46	NNW	1	b	1	Valencia ...	30.02	51	50	E	1	tm	0
Stornoway ...	30.21	52	51	E	4	b	4	Scilly ...	29.91	52	50	NNE	4	C	3
Aberdeen ...	30.25	53	50	ENE	4	b	4	Jersey ...	29.78	53	54	NE	4	ogm	3
Shields ...	30.12	51	50	NE	3	C	5	Dungeness ...	29.82	53	54	NNE	5	C	4
Ardrossan ...	30.14	52	52	ENE	3	bc	2	London ...	29.87	61	54	NE	3	o	*
Malin Head ...	30.12	53	50	ESE	4	bc	2	Yarmouth ...	29.54	52	52	ENE	5	cm	4
Mullaghmore ...	30.10	54	49	ENE	5	o	3	Rocheport ...	29.78	63	59	NNW	4	o	?
Belmullet ...	30.06	53	50	ENE	2	o	*								

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

Weather in morning fine and bright over Denmark, the southern half of Scandinavia, many parts of Baltic, and in Italy, cloudy in places, dull and unsettled over the Continent as a whole, rainy in the Straits of Dover. Rain later throughout France and Western Germany, heavy in many places; showers over our southern counties, fine elsewhere; lightning seen at Jersey.

Temperature still very low for time of year over the northern and western countries, high over Italy and southeastern Europe. Morning readings exceeding 80° at Constantinople, exceeding 70° at the Italian and Adriatic stations and at Budapest and Malta, and touching 70° at Barcelona. Below 50° over northern Europe, and as low as 33° at Archangel, 43° at Kuopio, 44° at Moscow, St. Petersburg and Haparanda. Rising to between 60° and 67° in many parts of England later, to upwards of 70° in the southwest of France and to 69° at Paris, but air over British Islands dry and far from genial.

Wind mainly W³ (SW to NW) over northern Europe; NE³ over the British Isles, the North Sea, the Channel and Brittany; N³ over the Bay of Biscay, E³ over Germany; NW³ to W³ over Spain; variable from SW and SE over the northern parts of the Mediterranean; blowing strongly over the Channel and north Germany. Very variable and light over central, eastern, and southern Europe. No great change over our Islands later.

Barometer highest 30.2 ins. and more to 30.0 ins. in a band extending from the northern parts of our Islands and the neighbouring part of the Atlantic across the North Sea, the south of Scandinavia the Baltic to Russia and the Black Sea, and exceeding 30.0 ins. over Algeria and the south of Spain. Lowest 29.8 ins. to 29.7 ins. in a depression over France, and below 29.8 ins. over Austria-Hungary. Great depression moving eastward, 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.
The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden and Denmark the observations are taken at 8 p.m. (Christiania time).

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 *Wednesday 10th June.* 1891.
 Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

R. H. SCOTT, Secretary.																		
STATIONS.	YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	BAROM.	TEMP.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 12.)	SHADE TEMP.		Amount of Rainfall.	
	Reading at 32° F. and Sea Level.	Dry.	Dir.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.		
SCANDINAVIA.	Haparanda ...	29.37	38	NNW	2	bc	29.48	-15	41	37	-6	NNE	1	bc	*	48	37	0.16
	Hernösand ...	29.62	53	WPN	6	bc	29.71	-12	45	37	-6	N	6	bc	*	79	43	—
	Stockholm ...	29.65	53	SPW	2	bc	29.70	-23	48	37	-10	N	6	bc	*	72	43	—
	Wisby ...	29.77	45	SPW	4	bc	29.61	-37	50	44	+1	NNE	6	bc	*	59	43	—
	Bodö ...	29.74	38	W	5	c	29.78	+10	41	40	-1	N	4	bc	2	43	36	0.04
	Christiansund	29.59	48	NNE	3	bc	29.57	-02	45	41	0	NNE	3	0	3	46	41	0.04
	Skudesnaes ...	29.80	49	NW	7	bc	29.77	-03	58	53	+5	NNW	2	bc	2	45	45	—
	Christiania Fjord (Fæder)	29.70	57	SPW	3	bc	29.76	-21	49	43	-3	NNE	6	bc	2	57	48	—
	Skagen (The Scaw)	29.76	53	2	0	bc	29.69	-28	56	51	+4	NNE	2	bc	2	66	46	—
	Fanö ...	29.71	52	NNE	4	bc	29.68	-26	57	50	-4	NNW	4	0	*	64	48	—
BRITISH ISLANDS.	Sumburgh Head	29.58	46	NNW	2	0	30.03	-03	46	43	0	NNE	4	0	4	49	43	—
	Stornoway ...	30.06	49	N	3	0	30.09	-06	48	47	-1	E	4	0	4	53	44	—
	Wick ...	30.03	48	NW	3	0	30.08	-04	48	45	-2	NNE	4	0	3	54	44	—
	Nairn ...	30.00	53	E	2	bc	30.04	-06	47	45	-7	E	2	0	2	61	44	—
	Aberdeen ...	29.99	53	N	3	bc	30.02	-09	47	44	-7	N	3	0	3	60	45	—
	Leith ...	29.56	57	ENE	3	bc	30.02	-10	50	47	-3	ENE	1	0	*	62	42	—
	Shields ...	29.56	50	2	0	c	29.57	-12	48	44	-3	NNW	4	0	4	53	42	—
	Spurn Head ...	29.52	50	N	6	0	29.53	-07	45	46	-1	NW	4	0	3	57	43	—
	York ...	29.57	54	NNE	1	0	29.57	-10	46	46	-4	NNW	2	0	*	58	37	—
	Loughborough	29.58	57	NNE	2	c	30.00	-02	53	48	0	NNE	2	cwm	*	59	46	—
GERMANY & HOLLAND.	Ardrossan ...	29.55	60	W	3	0	30.00	-11	56	50	+2	NNE	2	bc	1	63	44	—
	Malin Head ...	30.05	53	N	1	om	30.04	-08	48	46	-3	NNW	2	0	2	55	47	—
	Mullaghmore ...	29.59	60	NW	1	bc	30.06	-02	52	48	+1	NNE	1	c	1	62	48	—
	Belmullet ...	30.01	58	NNE	2	bc	30.09	+04	52	49	-4	N	2	bc	*	63	47	—
	Donaghadee ...	30.00	56	NNE	2	c	30.04	-08	53	50	0	NNE	2	c	0	62	52	—
	Liverpool (Bidston)	30.08	58	N	1	bc	29.57	-06	53	50	-1	NNW	2	c	2	62	49	—
	Holyhead ...	29.53	52	NNE	2	bc	30.01	-03	50	48	-2	N	2	cq	2	58	47	—
	Parsonstown ...	29.52	65	2	0	c	30.08	+05	56	51	+3	2	0	bc	*	67	41	—
	Valencia ...	29.54	58	ESE	4	om	30.08	+11	57	53	+4	2	0	bc m	1	65	45	0.01
	Roche's Point...	29.57	55	ESE	4	bc	30.06	+06	55	50	0	N	1	bc	2	58	47	—
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	29.55	59	NW	6	bc	30.06	+09	57	57	+5	N	2	bc	1	61	46	—
	Scilly ...	29.52	53	ESE	4	om	29.57	+09	53	52	-2	E	4	c	3	53	50	—
	Prawle Point ...	29.55	54	SPW	2	bc	30.02	+09	56	52	+2	ESE	1	bc	1	59	48	—
	Jersey (St. Aubin's)	29.55	57	E	3	bc	30.00	+11	53	52	-1	ENE	3	om	3	53	51	—
	Hurst Castle ...	29.55	58	SPW	3	bc	30.01	+11	53	53	+1	WPN	1	bc m	1	65	41	—
	Dungeness ...	29.87	56	N	5	bc	29.56	+15	56	50	+4	N	4	bc	2	58	41	—
	London ...	29.95	57	N	3	bc	29.58	+08	53	49	0	SPW	2	bc	*	61	42	—
	Oxford ...	29.57	57	NNE	1	bc	29.57	+03	53	51	+2	N	1	bc	*	61	43	—
	Cambridge ...	29.55	57	N	3	0	29.58	+04	53	49	-2	N	1	c	*	58	45	—
	Yarmouth ...	29.88	49	N	4	cq	29.50	0.0	49	47	-2	N	4	cq	4	57	45	0.01
PENINSULA.	Cuxhaven ...	29.74	53	E	4	0	29.62	-28	54	53	+2	NNE	3	0	*	57	57	0.36
	Berlin ...	29.71	59	2	0	c	29.74	-06	56	57	+3	W	4	0	*	59	52	0.16
	Wiesbaden ...	29.71	59	2	0	c	29.74	-06	56	57	+3	W	4	0	*	59	52	0.16
	Munich ...	29.53	56	SPW	5	0	29.53	+06	53	51	-3	SPW	7	bc	*	70	50	0.04
	The Helder ...	29.68	50	NNE	5	0	29.82	+05	50	48	-3	?	3	c	3	54	50	0.75
	Brussels (9 a.m.)	29.53	57	N	4	0	29.53	+24	48	47	-3	NNW	2	0	*	57	43	0.35
	Cape Gris Nez	29.53	57	NNW	2	0	29.54	+18	50	45	-2	NNW	4	0	4	54	46	0.12
	Paris ...	29.53	57	NNW	2	0	29.57	+24	54	51	-3	N	2	bc	*	66	43	0.08
	Brest ...	29.53	57	2	0	0	29.57	+24	54	53	+2	E	2	0	2	59	52	0.04
	Lorient ...	29.55	56	NNW	3	0	29.55	+04	56	54	+2	ESE	1	0	2	57	54	0.08
FRANCE AND BELGIUM.	Rochefort ...	29.55	60	W	3	c	29.51	-06	60	57	+3	ENE	3	c	2	64	48	—
	Belfort ...	29.55	58	SPW	5	0	29.55	-06	57	52	0	W	4	c	*	57	50	0.33
	Lyons ...	30.01	61	NW	2	c	29.57	+02	60	54	?	SPW	1	c	*	65	50	—
	Nice ...	29.55	68	NW	4	bc	30.00	+01	57	51	0	SPW	2	0	3	72	52	—
	Perpignan ...	30.04	65	E	2	0	29.58	-16	60	53	-3	2	0	0	*	71	58	—
	Biarritz ...	29.54	65	E	2	0	29.53	-12	60	57	+1	NW	5	0	2	70	55	0.39
	Corunna ...	30.05	60	NNW	4	0	30.19	0.0	59	55	-1	NNW	4	bc	2	66	53	0.04
	Lisbon ...	30.05	60	NNW	4	0	30.19	0.0	59	55	-1	NNW	4	bc	2	66	53	0.04

WEATHER CHARTS

for 8 a.m. on Wednesday, 10th June 1891.

BAROMETER, WIND AND SEA.

EXPLANATION OF MAP.

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

Changes since previous morning are stated in words.

WIND—Arrows show the prevalent winds. They fly with the wind and their bars and feathers refer to force thus—

→ forces above 10; → forces 8 to 10;

→ forces 5 to 7; → forces 1 to 4.

○ = dead calm.

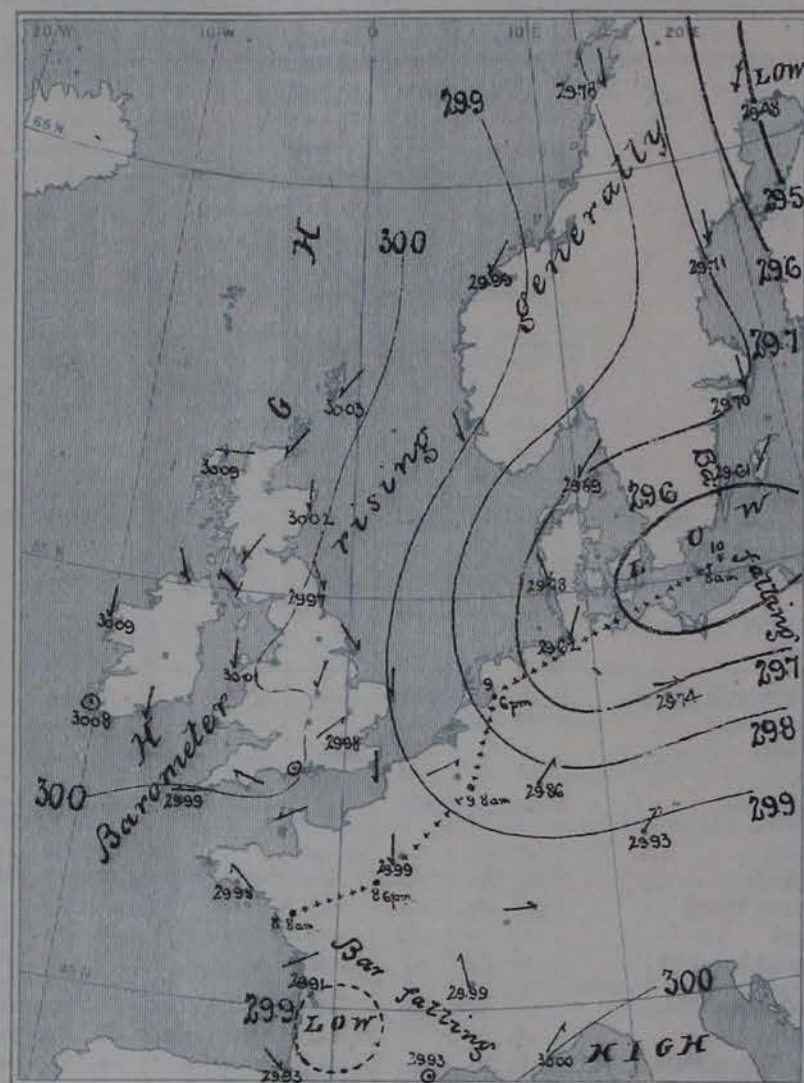
SEA DISTURBANCE—Where considerable, is shown thus:

▨ = Rough. ▨ = High.

MEAN HEIGHT OF THE BAROMETER

at 8.0 a.m. for the month of June
During the 20 Years: 1871—1890.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.883
Stornoway	29.879
Wick	29.898
Nairn	29.904
Aberdeen	29.916
Leith	29.930
Shields	29.948
Spurn Head	29.964
York	29.969
Loughborough	29.980
Ardrossan	29.992
Mullaghnore	29.996
Donaghadee	29.946
Holyhead	29.906
Liverpool	29.906
Parsonstown	29.972
Valencia	29.975
Roche's Point	29.973
Pembroke	29.974
Sally	29.999
Prawle Point	30.007
Jersey	30.010
Hurst Castle	29.998
Dover	29.982
LONDON	29.992
Oxford	29.986
Cambridge	29.985
Yarmouth	29.977



TEMPERATURE, & WEATHER AT 8 A.M., WITH RAINFALL IN PAST 24 HOURS.

TEMPERATURE—Isotherms are drawn for each 10°. Changes since previous morning are stated in words.

WEATHER is shown by letters of the Beaufort Scale.

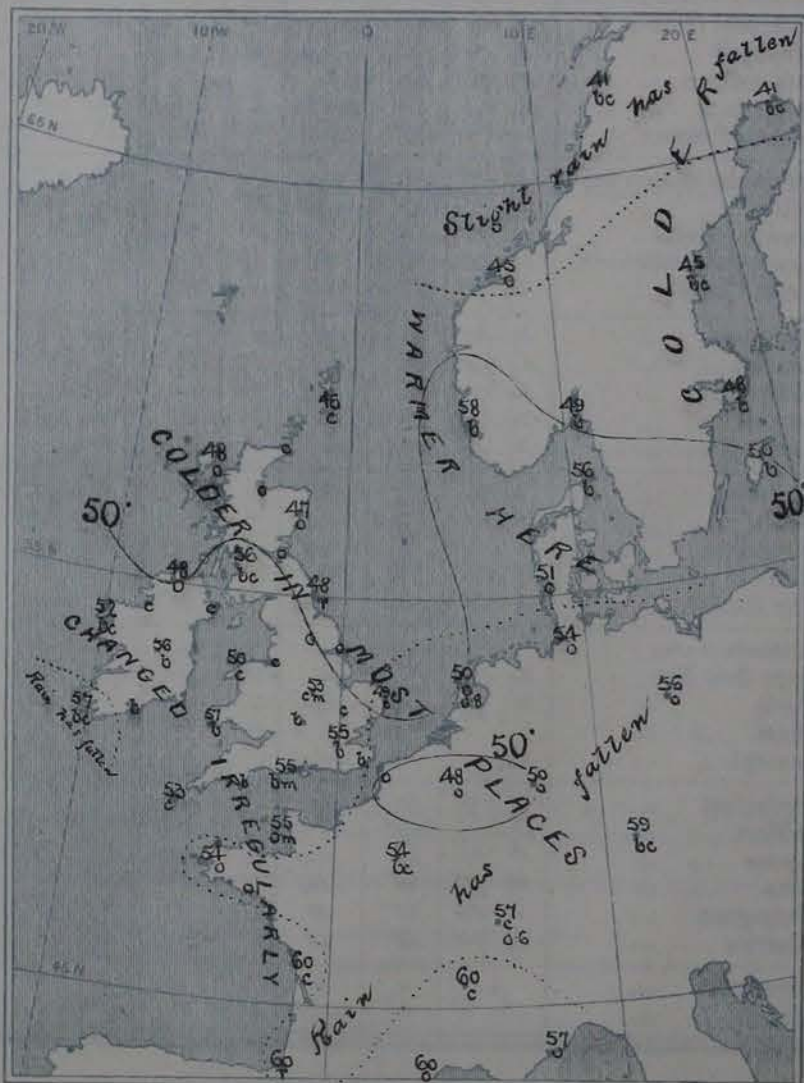
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of June.)

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry.	Wet.	
Sumburgh Head.....	54.6	45.0	50.3	48.6	1.98
Stornoway	58.0	45.9	53.3	51.1	2.85
Wick.....	58.9	45.5	53.3	50.7	1.74
Nairn.....	62.2	47.8	54.3	50.6	1.70
Aberdeen.....	61.2	47.2	54.8	50.8	1.77
Leith.....	63.9	47.0	55.9	52.3	1.80
Shields.....	60.6	48.7	54.8	51.7	1.71
Spurn Head.....	60.4	51.4	55.3	52.8	1.54
York.....	66.1	48.4	56.2	52.7	2.17
Loughborough.....	68.6	49.0	57.8	53.9	2.22
Ardrossan.....	62.0	49.5	55.1	52.1	2.49
Mullaghnore.....	61.1	51.4	54.0	52.0	2.79
Donaghadee.....	61.2	49.3	55.0	52.8	1.92
Holyhead.....	61.6	51.5	55.7	53.2	1.98
Liverpool.....	63.8	50.9	56.7	52.7	1.89
Parsonstown.....	64.5	48.5	56.0	52.6	2.39
Valencia.....	62.2	51.1	57.2	54.3	3.27
Roche's Point.....	64.5	51.1	56.8	53.6	3.13
Pembroke.....	60.3	51.5	55.2	53.1	1.94
Sally.....	61.3	53.0	57.3	55.2	1.84
Prawle Point.....	61.5	50.5	56.9	54.6	1.60
Jersey.....	64.6	52.5	58.6	55.8	1.01
Hurst Castle.....	64.2	51.0	57.7	55.5	1.97
Dover.....	63.0	52.5	58.2	54.9	1.69
LONDON.....	69.1	50.6	58.9	54.6	2.11
Oxford.....	66.9	49.5	56.8	53.3	2.21
Cambridge.....	68.6	48.5	58.1	54.7	2.23
Yarmouth.....	62.0	51.1	56.9	54.0	1.88

NOTE—The Temperature means are for the 20 years 1871-90, the Rainfall means are mainly those for the 25 years 1866-90.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.1 in. and upwards, in Portugal; 30.0 in. and upwards, over all the southwestern, western and northern part of the United Kingdom.
Lowest, 29.5 in. and less, in Lapland; 29.6 in. and less, in a depression lying over the Baltic.
Gradients slight. Barometer falling somewhat decidedly over Denmark and the Baltic, and slightly in the south of France, but rising elsewhere.

TEMPERATURE

Highest, 60° at Rochefort, Birmmth, Lyons and Perpignan, 59° at Munich and Lisbon, and 58° at Hudsons.
Lowest, 41° at Bodø and Haparanda, 43° at Hermand and Christiansund, 46° at Lumburg, and 47° at Nain and Aberdeen.
In London the thermometer fell last night to 42° in the screen and 32° on the grass.

WIND

Light or moderate from the N^o (NW to NE) over the greater part of our Islands and the North Sea, but variable at our southern stations.
Strong from the N^o in Sweden, with a gale at Haparanda.
W^o and SW^o in Germany and the Netherlands.
E^o over the Bay of Biscay and also at the mouth of the Channel.

WEATHER

Fine in all the more western and southern parts of the United Kingdom as well as at the Scandinavian stations.
Cloudy or overcast elsewhere, with rain at Shields and also at Birmmth.

SEA

Rain fell yesterday, over Germany, the Netherlands, and some part of France, the largest amount being 0.8 in. at the Helder and 0.6 in. at Birmmth.
A solar halo was seen at Cardiff yesterday.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The shallow depression which lies over the north of England seems likely to move southwards and will probably occasion showers in many parts of the country. The general appearance is still far from settled.

FORECASTS

For the 24 hours ending at NOON on 11TH JUNE 1891.

DISTRICTS.

FORECASTS.

- 0 SCOTLAND NORTH
- 1 SCOTLAND EAST
- 2 ENGLAND N.E.
- 3 ENGLAND EAST
- 4 MIDLAND COUNTIES
- 5 ENGLAND SOUTH

NE^o winds, light or moderate, drizzle, showery.

Same as N^o 5.

Light breezes, chiefly NW^o; unsettled, some showers.

DISTRICTS.

FORECASTS.

- 6 SCOTLAND WEST
- 7 ENGLAND N.W.
- 8 ENGLAND S.W.
- 9 IRELAND NORTH
- 10 IRELAND SOUTH

N^o winds, light; fair to showery.

NE^o winds, light; fair generally.

Same as N^o 6 and 7.

Same as N^o 8.

NONE ISSUED.

WARNINGS

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:		WIND			SEA			BAR:	THER:		WIND			SEA		
		D.	W.	D.	F.	WEA.					D.	W.	D.	F.	WEA.			
Skudesnaes ...	27.89	54	49	NW	7	b	3			Holyhead ...	50.02	55	50	NW	3	b	3	
Sumburgh Head ...	27.99	48	47	NW	2	o	2			Valencia ...	27.93	60	57	ESE	3	bcn	3	
Stornoway ...	30.07	52	49	N	3	o	3			Scilly ...	27.92	53	53	ESE	4	om	2	
Aberdeen ...	30.03	53	45	ENE	5	bcg	4			Jersey ...	27.94	53	54	NE	4	omg	3	
Shields ...	30.01	51	48	NE	2	C	3			Dungeness ...	27.87	53	51	NE	3	C	4	
Ardrossan ...	30.00	53	50	W	3	C	2			London ...	27.93	57	50	NNE	2	C	8	
Malin Head ...	30.08	54	50	NNE	2	b	1			Yarmouth ...	27.90	50	48	NNE	4	Cg	5	
Mullaghmore ...	30.03	62	53	NNW	2	b	1			Rocheport ...	27.99	60	56	NNW	4	o	2	
Belmullet ...	30.02	60	57	ENE	2	b	*											

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

Weather in morning fine and bright over Scotland, Ireland, many parts of Scandinavia and the Baltic; also over the southwestern half of Spain, some parts of Algeria, and at Constantinople: more or less cloudy elsewhere, and very unsettled over the Netherlands, Germany and France, rainy at the Elbe, Berlin, Brussels, and Cape Gris Nez, foggy off Ushant. Rainfall extremely slight in our Islands, lake but considerable over Germany, and some parts of France; showing at the Scandinavian stations.

Temperature inclined to rise over northern Europe and to fall over France and Italy. Morning readings exceeding 80° at Constantinople, and exceeding 70° in many parts of Austria, and on the southern shore of the Mediterranean; exceeding 60° in the south of France and south Germany, lower elsewhere. Lowest 42° at Archangel and Rode, 45° at Christiansund, 46° at Moscow and at Sumburgh Hd., 49° at Stornoway and Wierby. Rising during day to 60° and more in many parts of our Islands and to 70° and more in the south of France. Succeeding night very cold over England, frost on the grass in places.

Wind SW to W over northern Europe (strong at Rode and Christiansund) very variable and light over Scotland, NE over North Germany, the Netherlands, England, and the Channel, E in Ireland, SW to W over southern Europe and in Austria, very variable elsewhere. Becoming more N in the east of England and over Holland later, blowing strongly at the Elbe.

Barometer highest 30.1 in. and more to 30.0 in. over the northern parts of our Islands and the west of Norway, and also over Algeria and the southern half of Spain; exceeding 30.0 in. in the west and south of Russia and over Asia Minor. Lowest 29.6 in. and less, over the White Sea, the Kolatheninsula and Lapland; 29.7 in. and less, in a depression over the Netherlands, the northeast of France and Western Germany. Latter depression moving northwards later and pressure giving way slightly all over the United Kingdom.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—Beaufort Scale is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.
* AN ASTERISK is inserted in all places for which information is not usually received.
The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden and Denmark the observations are taken at 8 p.m. (Christiania time).

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 *Thursday 11th June.* 1891.
 Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

R. H. SCOTT, Secretary.																			
STATIONS.		YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
		BAROM.	TEMP.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 3.)	SHADE TEMP.		Amount of Rainfall.	
		Reading at 32° F. and Sea Level.	Dry.	Dirac.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dirac.	Force. (0 to 12.)			Max.	Min.		
SCANDINAVIA.	Haparanda ...	29.63	40	NE	4	C	29.60	+12	43	38	+2	NW	2	C	*	45	32	—	
	Hernösand ...	29.72	47	W	2	C	29.74	+0.3	46	37	+1	N	4	C	*	64	37	—	
	Stockholm ...	29.74	45	NNW	2	C	29.74	+0.0	48	41	0	NNW	4	C	*	64	41	—	
	Wisby ...	29.77	44	N	4	C	29.76	+2.5	47	45	0	W	4	C	*	52	41	—	
	Bodö ...	29.85	41	NW	4	C	29.77	-0.1	39	38	-2	NW	2	C	1	43	36	—	
	Christiansund	29.85	45	NNW	2	C	29.83	-0.6	42	38	-3	NNW	4	C	4	46	39	0.04	
	Skudesnaes ...	29.85	49	NNW	2	C	29.81	-0.4	46	42	-2	NNW	3	C	4	53	45	—	
	Christiania Fjord (Fjorder)	29.80	59	NNE	3	C	29.86	+1.0	52	46	+3	ENE	5	C	2	53	50	—	
	Skagen (The Seaw)	29.82	55	NNE	1	C	29.83	+1.4	57	49	+1	N	0	C	0	64	48	—	
	Fanö ...	29.86	50	NW	4	C	29.89	+2.1	54	51	+3	NNW	3	C	*	59	46	—	
BRITISH ISLANDS.	Sumburgh Head	30.12	44	NE	4	C	30.08	+0.5	46	45	0	NNW	2	C	3	51	41	—	
	Stornoway ...	30.16	50	NE	4	C	30.22	+1.3	50	49	+2	E	2	C	2	51	38	—	
	Wick ...	30.18	50	N	1	C	30.16	+0.8	48	45	0	N	4	C	3	54	38	—	
	Nairn ...	30.14	51	E	2	C	30.16	+1.2	52	49	+5	W	1	C	1	55	34	—	
	Aberdeen ...	30.14	51	N	4	C	30.18	+1.6	53	46	+6	NW	2	C	3	55	41	—	
	Leith ...	30.13	50	ENE	2	C	30.19	+1.7	53	48	+3	W	1	C	*	57	42	—	
	Shields ...	30.09	50	NNW	3	C	30.19	+2.2	48	44	0	NNW	3	C	5	52	43	—	
	Spurn Head ...	30.04	50	N	6	C	30.14	+2.1	49	46	0	N	5	C	4	52	46	—	
	York ...	30.08	53	N	3	C	30.13	+1.6	51	46	+2	N	2	C	*	54	39	—	
	Loughborough	30.07	56	NE	2	C	30.19	+1.9	49	44	-4	NNE	2	C	*	62	44	—	
GERMANY & HOLLAND.	Ardrossan ...	30.07	55	W	2	C	30.20	+2.0	52	48	-4	WPN	1	C	0	63	43	—	
	Malin Head ...	30.13	52	NNW	1	C	30.23	+1.9	51	47	+3	WPN	2	C	1	52	44	—	
	Mullaghmore ...	30.15	51	W	2	C	30.24	+1.8	51	48	-1	N	0	C	1	53	46	0.01	
	Belmullet ...	30.16	53	NW	2	C	30.24	+1.5	51	45	-1	NNW	1	C	0	55	48	—	
	Donaghadee ...	30.11	54	NNE	3	C	30.23	+1.9	53	50	0	NNE	3	C	1	59	50	—	
	Liverpool (Bidston)	30.09	55	W	3	C	30.21	+2.2	52	45	-1	ENE	1	C	2	57	43	—	
	Holyhead ...	30.11	52	NNW	1	C	30.19	+1.8	53	52	+5	N	1	C	1	56	46	—	
	Parsonstown ...	30.13	62	N	0	C	30.25	+1.7	51	48	-5	N	0	C	0	67	47	—	
	Valencia ...	30.18	61	NNW	2	C	30.25	+2.1	54	51	-3	N	2	C	2	65	48	—	
	Roche's Point...	30.13	62	W	4	C	30.25	+1.9	55	50	0	NW	3	C	3	65	48	—	
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	30.11	57	N	2	C	30.19	+1.3	53	51	-2	N	2	C	1	60	46	—	
	Scilly ...	30.11	57	N	2	C	30.20	+2.1	53	53	+2	N	2	C	4	59	52	—	
	Prawle Point ...	30.07	55	W	3	C	30.17	+1.5	60	58	+4	SE	1	C	0	60	48	—	
	Jersey (St. Aubin's)	30.08	59	NNW	3	C	30.16	+1.6	58	53	+3	NNW	3	C	3	63	48	—	
	Hurst Castle ...	30.05	57	WPN	3	C	30.18	+1.7	56	53	+1	ENE	1	C	1	60	48	—	
	Dungeness ...	30.02	58	W	2	C	30.13	+1.7	53	45	-6	N	4	C	2	60	39	—	
	London ...	30.03	58	NNE	2	C	30.17	+1.9	45	45	-6	NNE	2	C	*	68	45	—	
	Oxford ...	30.08	53	NE	1	C	30.20	+2.1	53	47	-5	NE	2	C	*	69	43	—	
	Cambridge ...	30.04	54	N	1	C	30.17	+1.9	50	46	-3	N	1	C	*	60	49	—	
	Yarmouth ...	30.01	50	N	3	C	30.09	+1.9	50	46	+1	N	3	C	4	52	46	—	
GERMANY & HOLLAND.	Cuxhaven ...	29.78	54	NNW	3	C	29.76	+2.2	53	51	-3	NNW	3	C	*	57	50	0.04	
	Berlin ...	*	*	*	*	*	30.05	+1.9	53	50	+3	NNW	2	C	*	57	48	—	
	Wiesbaden ...	30.02	53	NW	3	C	30.04	+1.1	48	47	-11	NE	3	C	*	64	48	0.04	
	Munich ...	29.98	50	NW	2	C	30.03	+2.1	50	48	0	NNW	2	C	3	52	48	—	
	The Helder ...	29.98	50	NW	2	C	30.03	+2.1	50	48	0	NNW	2	C	3	52	48	—	
	Brussels (9 a.m.)	*	*	*	*	*	30.09	+1.6	47	45	-1	NW	1	C	*	54	45	0.04	
	Cape Gris Nez	30.03	53	N	0	C	30.10	+1.6	50	45	0	N	4	C	4	63	46	—	
	Paris ...	30.04	61	NNE	2	C	30.11	+1.2	51	47	-3	NNW	1	C	*	63	48	—	
	Brest ...	29.96	62	NE	3	C	?	?	52	50	-2	N	2	C	3	66	48	—	
	Lorient ...	30.07	58	N	2	C	30.20	+2.5	53	50	-3	NW	2	C	5	64	50	—	
FRANCE AND BELGIUM.	Rochefort ...	29.98	63	NW	4	C	30.13	+2.2	58	56	-2	NE	3	C	*	66	52	—	
	Belfort ...	29.98	57	SW	3	C	?	?	53	47	-4	W	3	C	*	64	50	—	
	Lyons ...	29.98	59	N	1	C	30.04	+0.5	51	45	-9	NNW	3	C	*	66	51	0.04	
	Nice ...	29.96	62	SW	2	C	29.93	-0.7	60	54	+3	ENE	2	C	2	68	52	—	
	Perpignan ...	29.97	57	NW	2	C	30.00	+0.7	61	55	+1	W	3	C	*	77	54	1.10	
	Biarritz ...	30.05	60	NW	5	C	30.15	+2.2	59	53	-1	NW	5	C	3	63	53	0.16	
	Corunna ...	30.18	60	NNW	4	C	30.22	+0.9	60	54	+1	N	4	C	6	64	53	—	
	Lisbon ...	30.18	60	NNW	4	C	30.22	+0.9	60	54	+1	N	4	C	6	64	53	—	
	Peninsular	30.18	60	NNW	4	C	30.22	+0.9	60	54	+1	N	4	C	6	64	53	—	
	Sulphur	30.18	60	NNW	4	C	30.22	+0.9	60	54	+1	N	4	C	6	64	53	—	

For Explanation of Columns, see bottom of p. 1.

† Received too late for insertion in Charts on p. 2.

WEATHER CHARTS

for 8 a.m. on Thursday, 11th June, 1891.

BAROMETER, WIND AND SEA.

EXPLANATION OF MAP

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

Changes since previous morning are stated in words.

WIND—Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force thus—

— forces above 10 — forces 8 to 10 —

— forces 5 to 7 — forces 1 to 4 —

○ = dead calm.

SEA DISTURBANCE—Where considerable, is shown thus:

— = Rough. — = High.

MEAN HEIGHT OF THE BAROMETER

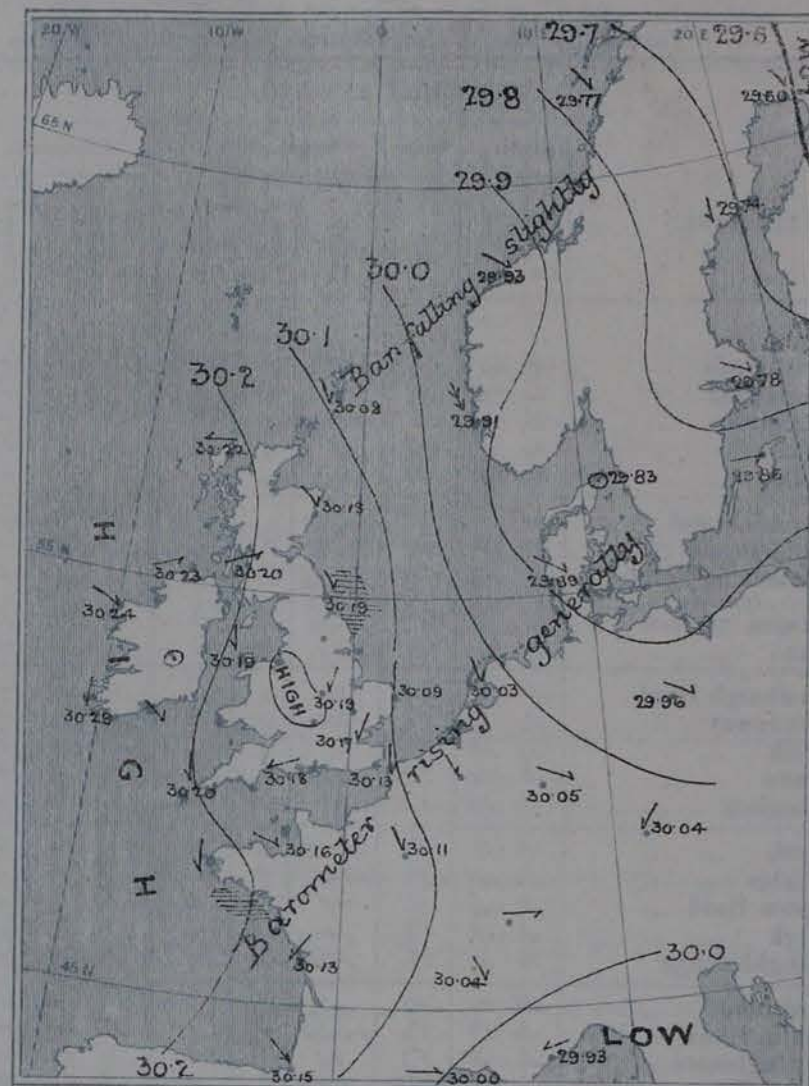
at 8.0 a.m. for the month of June

During the 20 Years, 1871—1890.

STATIONS.

MEAN READINGS.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.883
Stornoway	29.876
Wick	29.898
Nairn	29.904
Aberdeen	29.916
Leith	29.930
Shields	29.948
Spurn Head	29.904
York	29.909
Loughborough	29.980
Ardrossan	29.932
Mullaghmore	29.936
Donaghadee	29.946
Holyhead	29.966
Liverpool	29.966
Parsonstown	29.972
Valencia	29.975
Roche's Point	29.973
Pembroke	29.974
Scilly	29.996
Prawle Point	30.007
Jersey	30.015
Hurst Castle	29.998
Dover	29.982
LONDON	29.992
Oxford	29.986
Cambridge	29.985
Yarmouth	29.977



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.2 ins. and upwards in an anticyclone extending from the Atlantic, over Portugal, the Bay of Biscay, Ireland and the west of Scotland, as well as in a very small area lying over central England.
Lowest 29.6 ins. and less over Lapland.
Gradients slight. Barometer falling a little in the Shetlands and west of Norway, as well as in the extreme south of France but rising elsewhere.

TEMPERATURE

Highest 51° at Perpignan, 60° at Praule Point, Nice and Lisbon, 59° at Biarritz, 58° at Jersey and Rockport, and 57° at Færøer.
Lowest 29° at Bodo, 42° at Christiansund, 43° at Haparanda, 44° at Helsingfors, Skudesnæs and Sumburg Head.
 The highest maxima registered over our Islands yesterday were 69° at Oxford, 68° in London, and 67° at Parsonstown.

WIND

Light or moderate from the N^W (NW to NE) over nearly the whole of western Europe, but W^{ly} in the north of Ireland, as well as over Germany, Denmark and the south of Sweden.
 At Skudesnæs the wind blows a gale from NNW.

WEATHER

Fine in most parts of the United Kingdom, as well as in Sweden, Denmark and the west of France, but dull at some of our own northern and eastern stations.
 Raining over Germany, Belgium and the east of France, as well as at Christiansund.
 A solar halo was seen at Jersey yesterday. Heavy rain (1.1 ins) was experienced at Perpignan.

SEA

Moderate to smooth generally, but rather rough at Shields and Lorient.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

There are at present no indications of any very decided change in the weather. The anticyclone on the west is inclined to spread eastwards but there are some indications in the far north of the advance of small shallow depression, so that showers are not improbable at some of our northern stations.

FORECASTS

For the 24 hours ending at NOON on 12TH JUNE 1891.

DISTRICTS.

FORECASTS.

- 0 SCOTLAND NORTH
- 1 SCOTLAND EAST
- 2 ENGLAND N.E.
- 3 ENGLAND EAST
- 4 MIDLAND COUNTIES
- 5 ENGLAND SOUTH

NW^{ly} winds, moderate; fair to showery.

Same as No 5.

N^{ly} to NW^{ly} winds, moderate; fair generally.

DISTRICTS.

FORECASTS.

- 6 SCOTLAND WEST
- 7 ENGLAND N.W.
- 8 ENGLAND S.W.
- 9 IRELAND NORTH
- 10 IRELAND SOUTH

Light breezes, chiefly NW^{ly}; fine generally.

N^{ly} to NW^{ly} winds, light; fine generally.

W^{ly} and NW^{ly} winds, light or moderate; fair to showery.

Same as Nos 6 and 7.

WARNINGS

None Issued.

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

YESTERDAY'S 2 P.M. REPORTS.

	THER.		WIND		WEA.	SEA		THER.		WIND		WEA.	SEA
	BAR.	D.	W.	D.				BAR.	D.	W.	D.		
Skudesnaes ...	29.80	57	52	NNW	4	6	2	Holyhead ...	29.06	53	55	N	2
Sumburgh Head ...	29.80	57	46	NE	4	6	5	Valencia ...	29.14	64	56	NNW	3
Stornoway ...	29.13	57	49	NE	4	6	4	Scilly ...	29.07	59	54	NE	2
Aberdeen ...	29.09	54	47	N	5	6	4	Jersey ...	29.04	63	53	ENE	3
Shields ...	29.05	50	46	NNW	4	C	4	Dungeness ...	29.58	59	54	W	4
Ardrossan ...	29.04	63	52	W	2	C	1	London ...	29.58	66	57	N	1
Malin Head ...	29.11	57	48	NW	1	0	1	Yarmouth ...	29.58	51	48	NNW	3
Mullaghmore ...	29.12	59	50	NNW	2	0	2	Rocheport ...	29.55	64	61	NNW	3
Belmullet ...	29.14	?	?	NNW	2	C	*						

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

Weather in morning fine and bright over Scandinavia and the western and southern parts of the British Islands - also over the southern and eastern shores of the Mediterranean, the shores of the Black Sea, and in central Russia; cloudy or overcast elsewhere, with rain at Haparanda, Münster and Biarritz. Heavy rain in the extreme southwest of France later, and some showers over Germany, Scandinavia & the N.W. of Ireland.

Temperature fallen decidedly over central Europe and in Scotland; still very low for the time of year in nearly all countries. Morning readings exceeding 70° in the extreme south of Russia, at Brindisi, Malta and some Algerian stations; below 50° over nearly the whole of northwestern and northern Europe and as low as 37° at Ulesborg, 41° at Rode, 42° at Archangel, 45° at Harnosand, 46° at Sumburgh Head & 48° at Malin Head and Shields. Exceeding 65° in Ireland and the southern parts of England, as well as over France and south Germany, later, and touching 77° at Perpignan; succeeding night very cold, especially in the northeast of Scotland.

Wind mainly N²⁴ (but variable) over the British Islands, Scandinavia and the Baltic, and blowing a gale in some parts of the Gulfs of Bothnia and Finland; W²⁴ and SW²⁴ over Spain and central and southern Europe (very strong at Prague) SE²⁴ over southern Russia. Becoming more N²⁴ over France and Spain later, and remaining so over the United Kingdom.

Barometer - Highest 30.1 ins. and more to 30.0 ins. in an anticyclone over the Mediterranean and in another spreading from the Atlantic over the southwest of Spain; 30.0 ins. and more over all the western and northern parts of our Islands and also over the southeast of Russia. Lowest 29.4 ins. and less in a depression over the north of Finland, 29.5 ins. and less in a secondary system over the Baltic Provinces, and 29.7 ins. and less over Hanover. Gradients irregular. Rising slowly over the United Kingdom and France 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.

The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden and Denmark the observations are taken at 8 p.m. (Christiania time).

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 *Friday 12th June.* 1891.
 Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

STATIONS.	YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	BAROM.	TEMP.	WIND.			BAROMETER.		SHADE TEMP.			WIND.					SHADE TEMP.		Amount of Rainfall.
	Reading at 32° F. and Sea Level.	Dry.	Dir.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.		Dir.	Force. (0 to 12.)				Max.	Min.	
SCANDINAVIA.	Haparanda ...	29.62	41	2	0	6c	29.71	+11	45	3	+2	N	2	0	*	48	32	—
	Hernösand ...	29.72	46	SE	4	0	29.88	+14	45	38	-1	WNW	4	0	*	63	41	—
	Stockholm ...	29.76	46	E	2	0	29.79	+01	48	42	0	ENE	6	6c	*	57	41	—
	Wisby ...	29.74	50	SEW	4	0	29.85	+29	48	47	+1	NNW	4	7	*	54	41	0.67
	Bodö ...	29.82	39	NW	4	0	29.86	+09	37	38	-2	W	4	0	2	41	36	0.04
	Christiansund	30.06	40	N	4	7	30.12	+19	43	39	+1	W	3	0	3	46	35	0.12
	Skudesnaes ...	29.95	45	NNW	8	6	30.12	+21	47	41	+1	NNW	8	6c	5	48	45	—
	Christiania Fjord (Færd)	30.10	48	N	5	C	29.99	+13	47	41	-5	N	6	6	3	55	45	—
	Skagen (The Scaw)	29.56	45	NE	7	0	29.55	+12	48	42	-9	NE	4	6	5	61	43	0.02
	Fanö ...	29.88	48	NW	6	C	30.02	+13	53	45	-1	NW	6	6c	*	57	45	—
BRITISH ISLANDS.	Sumburgh Head	30.17	47	NNE	2	C	30.27	+19	45	43	-1	NNW	1	0	1	50	38	—
	Stornoway ...	30.28	50	N	2	0	30.34	+12	49	47	-1	2	0	0	2	53	45	—
	Wick ...	30.20	48	N	4	0	30.31	+15	49	46	+1	NNW	2	0	1	50	46	—
	Nairn ...	30.22	55	E	1	6	30.34	+18	49	47	-3	2	0	0	0	61	45	—
	Aberdeen ...	30.22	57	NW	3	C	30.35	+17	51	45	-2	NNW	2	C	2	60	47	—
	Leith ...	30.19	54	ENE	3	6	30.36	+17	54	49	+1	ENE	1	C	*	56	44	—
	Shields ...	30.17	51	E	3	6	30.37	+18	50	46	+2	NW	3	0	3	54	43	—
	Spurn Head ...	30.18	50	2	0	6	30.34	+20	51	46	+2	N	4	C	3	54	45	—
	York ...	30.17	65	NE	1	6	30.38	+25	50	47	-1	N	1	0	*	65	40	—
	Loughborough	30.20	65	ENE	1	6	30.38	+19	51	48	+2	NNE	2	omw	*	67	45	—
GERMANY & HOLLAND.	Ardrossan ...	30.18	62	NNW	4	6	30.36	+16	53	50	+1	WPN	1	6m	0	65	45	—
	Malin Head ...	30.28	58	NW	2	6	30.40	+17	50	47	-1	N	1	0	2	57	47	—
	Mullaghmore ...	30.30	58	NNW	2	C	30.41	+17	52	50	+1	ENE	2	6w	2	58	44	—
	Belmullet ...	30.31	56	N	1	0	30.40	+16	53	52	+4	SEW	1	6	*	56	42	—
	Donaghadee ...	30.25	58	NE	4	6	30.40	+17	53	50	0	NE	4	6	2	59	52	—
	Liverpool (Bidston)	30.22	57	NNW	3	6	30.35	+14	55	51	+3	ENE	2	C	2	60	48	—
	Holyhead ...	30.25	52	NNW	1	6	30.36	+17	58	54	+3	NNW	1	6w	1	58	46	—
	Parsonstown ...	30.31	60	2	0	?	30.42	+17	54	51	+3	2	0	6	*	60	40	—
	Valencia ...	30.34	59	NNW	2	Cm	30.44	+15	57	51	+3	NNW	1	C	1	61	50	—
	Roche's Point...	30.30	59	N	3	C	30.40	+15	57	52	+2	N	1	6	2	62	49	—
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	30.25	54	N	2	6	30.37	+18	56	53	+1	NW	2	6	1	58	47	—
	Scilly ...	30.28	58	NNW	4	6c	30.40	+20	55	52	0	NNW	4	6c	4	57	52	—
	Prawle Point ...	30.22	60	NW	1	6	30.37	+20	59	56	-1	E	1	6m	0	60	48	—
	Jersey (St. Aubin's)	30.21	60	NW	3	6m	30.37	+21	60	56	+2	E	2	6m	2	64	44	—
	Hurst Castle ...	30.21	58	SW	2	6cm	30.37	+19	53	52	-3	WPN	1	m	1	61	46	—
	Dungeness ...	30.19	54	SE	1	C	30.31	+18	52	49	+2	NNE	4	6c	2	58	37	—
	London ...	30.20	53	N	1	6	30.36	+19	52	48	+3	NE	2	09	*	62	41	—
	Oxford ...	30.23	56	NE	1	6	30.37	+19	49	47	-1	NE	2	0	*	63	42	—
	Cambridge ...	30.22	55	N	1	6	30.38	+21	51	48	+1	N	2	0	*	61	40	—
	Yarmouth ...	30.17	53	N	4	C	30.30	+21	51	47	+1	N	3	Cv	4	54	45	—
PENINSULA.	Cuxhaven ...	29.97	52	NW	6	0	30.02	-05	54	52	-3	N	6	C	*	55	51	—
	Berlin ...	29.93	53	W	1	C	29.91	-05	50	46	-3	NW	5	C	*	57	46	0.04
	Wiesbaden ...	*	*	*	*	*	30.19	+14	51	46	-2	NW	2	0	*	59	48	—
	Munich ...	30.00	55	2	0	6c	30.13	+09	49	45	+1	W	5	0	*	63	46	—
	The Helder ...	30.13	49	NNW	3	0	30.24	+21	49	45	-1	N	3	C	3	52	48	—
	Brussels (9 a.m.)	*	*	*	*	*	30.28	+15	48	46	+1	WNW	4	0	*	53	45	—
	Cape Gris Nez	30.18	52	NNE	3	6	30.27	+17	54	51	+4	NW	1	m	1	57	46	—
	Paris ...	30.16	58	NNE	3	6c	30.34	+23	51	47	0	NNE	2	C	*	63	42	—
	Brest ...	?	58	N	3	6	?	?	51	50	-1	WPN	2	6	2	63	48	—
	Lorient ...	30.20	64	N	3	6	30.34	+14	52	49	-1	N	2	6	3	68	48	—
FRANCE AND BELGIUM.	Rochefort ...	30.15	63	NW	4	6	?	?	55	52	-3	N	4	C	*	68	54	—
	Belfort ...	?	61	W	3	C	?	?	50	45	-3	W	3	C	*	64	46	—
	Lyons ...	30.29	59	N	1	6c	30.23	+19	51	47	0	NNE	2	0	*	64	47	—
	Nice ...	29.89	61	ENE	2	C	29.86	-07	66	56	+6	NE	2	6	0	70	54	0.04
	Perpignan ...	30.08	65	NW	4	0	30.18	+18	61	54	0	NW	4	C	*	69	57	0.04
	Biarritz ...	30.23	60	NW	4	0	?	?	60	55	+1	WNW	4	0	2	63	57	—
PENINSULA.	Corunna ...	*	*	*	*	*	30.17	-05	64	59	+4	NNE	4	6	2	70	59	—
	Lisbon ...	30.17	62	N	4	6	?	?	?	?	?	?	?	?	?	?	?	—

WEATHER CHARTS

for 8 a.m. on Friday, 1st June, 1891.

BAROMETER, WIND AND SEA.

EXPLANATION OF MAP

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

Changes since previous morning are stated in words.

WIND—Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force thus

→ = forces above 10; →→ = forces 8 to 10;

→→ = forces 5 to 7; → = forces 1 to 4.

○ = dead calm.

SEA DISTURBANCE—Where considerable, is shown thus

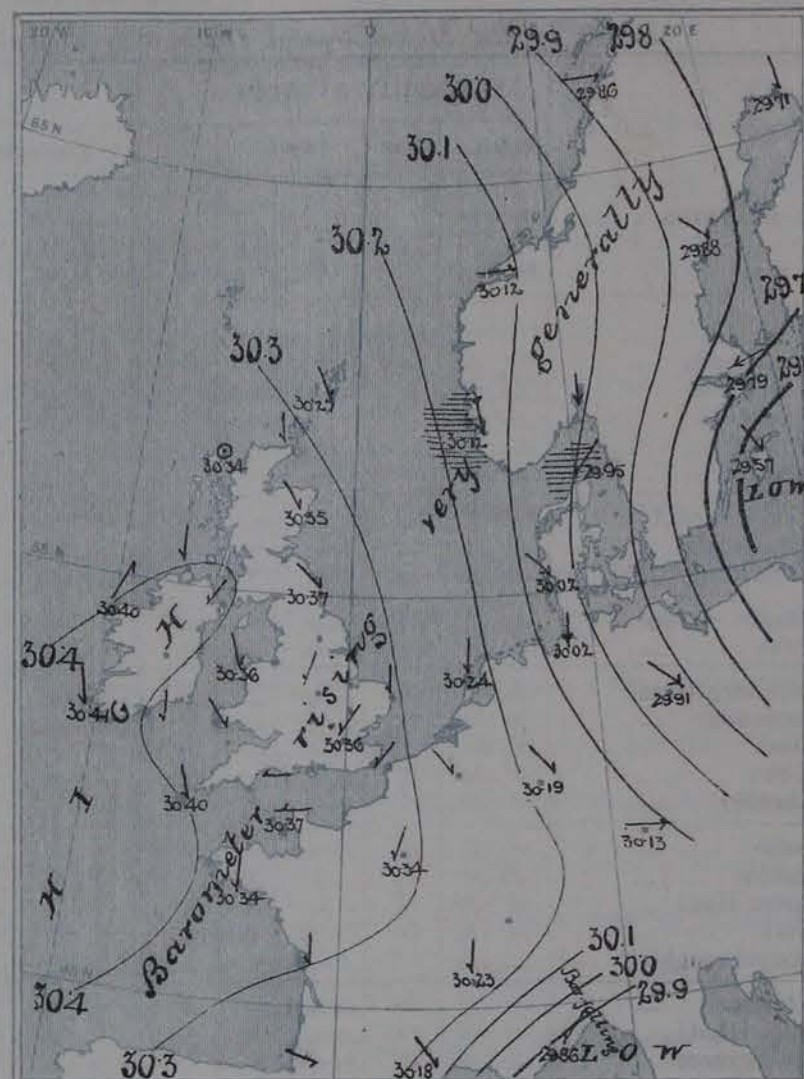
▨ = Rough. ▨ = High.

MEAN HEIGHT OF THE BAROMETER

at 8.0 a.m. for the month of June

During the 20 Years: 1871—1890.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.883
Sornoway	29.874
Wick	29.898
Nairn	29.904
Aberdeen	29.916
Leith	29.930
Shields	29.945
Spurn Head	29.964
York	29.969
Loughborough	29.980
Ardrossan	29.992
Mullaghmore	29.996
Donaghadee	29.946
Holyhead	29.960
Liverpool	29.966
Parsonstown	29.972
Valencia	29.975
Roche's Point	29.973
Pembroke	29.974
Scilly	29.990
Prawle Point	30.007
Jersey	30.010
Hurst Castle	29.998
Dover	29.982
LONDON	29.992
Oxford	29.986
Cambridge	29.985
Yarmouth	29.977



TEMPERATURE, & WEATHER AT 8 A.M., WITH RAINFALL IN PAST 24 HOURS.

TEMPERATURE—Isotherms are drawn for each 10°. Changes since previous morning are stated in words.

WEATHER is shown by letters of the Beaufort Scale.

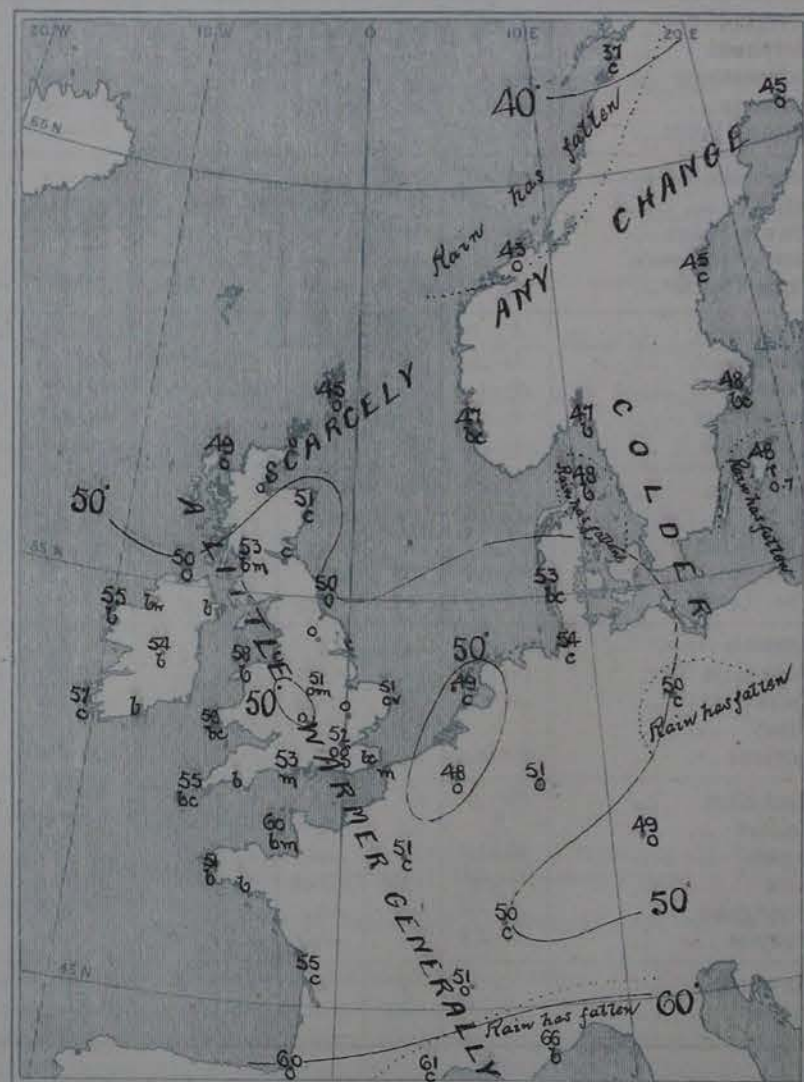
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of June.)

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry.	Wet.	
Sumburgh Head.....	54.6	45.0	50.3	48.6	1.98
Sornoway	58.0	45.9	53.3	51.1	2.35
Wick	58.9	45.5	53.3	50.7	1.74
Nairn	62.2	47.8	54.3	50.6	1.70
Aberdeen	61.2	47.2	54.8	50.8	1.77
Leith	63.9	47.9	55.0	52.3	1.80
Shields	60.6	48.7	54.8	51.7	1.71
Spurn Head.....	60.4	51.4	55.3	52.8	1.54
York	66.1	48.4	56.2	52.7	2.17
Loughborough	68.6	49.0	57.8	53.9	2.22
Ardrossan	62.0	49.5	55.1	52.1	2.19
Mullaghmore	61.1	51.4	54.0	52.0	2.70
Donaghadee.....	61.2	49.3	55.0	52.8	1.92
Holyhead.....	61.6	51.5	55.7	53.2	1.98
Liverpool	63.8	50.9	59.7	52.7	1.89
Parsonstown	64.5	48.5	56.0	52.6	2.39
Valencia	62.2	51.1	57.2	54.3	3.37
Roche's Point.....	64.5	51.1	56.8	53.6	3.13
Pembroke.....	60.3	51.5	55.2	53.1	1.94
Scilly	61.3	53.0	57.3	55.2	1.84
Prawle Point	61.5	50.5	55.9	54.6	1.60
Jersey	64.6	52.5	58.6	55.8	1.91
Hurst Castle	64.2	51.9	57.7	55.5	1.91
Dover	63.0	52.5	58.2	54.9	1.50
LONDON	60.1	50.6	58.9	54.6	2.11
Oxford	66.9	49.5	56.8	53.3	2.21
Cambridge	64.6	48.5	55.1	54.7	2.23
Yarmouth	62.0	51.1	56.9	54.0	1.85

NOTE—The Temperature means are for the 20 years 1871-90, the Rainfall means are mainly those for the 25 years 1866-90.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.4 in. and upwards, in an area lying over and to the southward of Ireland.
 Lowest, 29.6 in. and less, in a depression lying over the Baltic; 29.9 in. and less, over the Gulf of Genoa.
 Gradients slight generally—very slight over our Islands and France.
 Barometer rising generally, but falling over the Baltic and also over the Gulf of Genoa.

TEMPERATURE

Highest, 66° at Nice, 64° at Lisbon, 61° at Perpignan, 60° at Jersey and Biarritz and 59° at Brower Point.
 Lowest, 37° at Bodo, 43° at Christiansund, 45° at Haparanda, Helsingfors and Limerough H^d, and 47° at Skudesnaes and Faerøer.
 The highest maxima registered over our Islands yesterday were 67° at Loughbor, 66° at Leith, and 65° at York and Anderson.

WIND

Chiefly N² (NE to NW); light or moderate in force generally, but strong over Denmark, North Germany and the south of Scandinavia, with a gale at Skudesnaes.
 In the extreme northwest of our Islands it is inclined to shift to the S².

WEATHER

Fine and bright in the west and southward of the United Kingdom as well as in Denmark, and the south of Norway.
 More or less cloudy elsewhere, with heavy rain at Nisby.
 Very little rain fell yesterday in any part of Western Europe. A solar halo was seen at Mullaghmore in the afternoon.

SEA

Slight or smooth generally, but rather rough at Skudesnaes and Skagen.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The anticyclone over our Islands seems to be fairly well established, and some increase of temperature is probable in most districts. As the high pressure system drifts eastwards, the wind on the Irish coast will probably back to the S^W or S^W.

FORECASTS

For the 24 hours ending at NOON on 13th JUNE 1891.

DISTRICTS.

FORECASTS.

0	SCOTLAND NORTH	} NW ² to W ² winds, light; fair generally
1	SCOTLAND EAST	
2	ENGLAND N.E.	} Same as N° 5
3	ENGLAND EAST	
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	N ² winds, light; fair generally. Rather warmer

DISTRICTS.

FORECASTS.

6	SCOTLAND WEST	} Light breezes, chiefly SW ² ; fair generally.
7	ENGLAND N.W.	
8	ENGLAND S.W.	NW ² and N ² winds, light; fine generally. Warmer.
9	IRELAND NORTH	} Variable breezes, finally S ² ; fair generally.
10	IRELAND SOUTH	

WARNINGS

NONE ISSUED.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER.		WIND		WEA.	SEA		BAR.	THER.		WIND		WEA.	SEA
		D.	W.	D.	F.					D.	W.	D.	F.		
Skudesnaes ...	29.92	48	43	NW	9	C	4		Holyhead ...	30.25	55	55	N	1	4
Sumburgh Head ...	30.12	46	46	N	12	O	3		Valencia ...	30.29	59	59	NW	3	3
Stornoway ...	30.27	52	52	N	3	C	3		Scilly ...	30.24	57	54	NW	4	3
Aberdeen ...	30.19	55	52	NW	4	bcg	3		Jersey ...	30.19	63	58	E	1	1
Shields ...	30.20	52	48	NW	3	bc	4		Dungeness ...	30.16	53	50	NNE	2	1
Ardrossan ...	30.19	64	56	W	3	bc	2		London ...	30.19	57	51	NNE	2	4
Malin Head ...	30.27	55	51	NW	2	bc	1		Yarmouth ...	30.16	52	48	N	3	4
Mullaghmore ...	30.29	55	49	NW	1	bc	1		Rocheport ...	30.15	66	62	SW	4	?
Belmullet ...	30.29	55	52	NW	1	O	*								

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

Weather in morning fine over the British Islands, France, and Spain — at most stations clear and bright; cloudy or dull over northern, eastern, and central Europe and over many parts of the Mediterranean, with rain in several localities. Some rain later at several of the Continental stations, but weather fair and dry over our Islands.

Temperature lower over Europe generally than on previous day, but higher in Scotland. Morning readings 82° at Constantinople, and exceeding 70° at Trieste, Brindisi, Palermo, Malta and over Tunis, much lower over Europe, and as low as 35° at Archangel, 39° at Bodo, 43° at St Petersburg, 46° at Skudesnaes and Sumburgh Hd, 47° at Skuasak, 48° at Memel, Münster, and Munich, and 49° at Loughborough and in London. Rising later to a little above 60° in many parts of Scotland, Ireland and England, and just touching 70° at Nice and Lisbon. Succeeding night very cold over all inland parts of northwestern Europe.

Wind NW³ to N³ over Northern Europe, the British Isles, the North Sea and France, N³ over the Baltic (strong at Riga), NW³ over Austria, S³ over Russia, NE³ over the most northern part of the Mediterranean. Becoming still more N³ over western Europe later.

Barometer highest 30.2 in: and more over the western parts of the British Islands, Brittany, and the Spanish Peninsula, and all the adjacent parts of the Atlantic; exceeding 30.0 in: over the southern parts of Italy, Greece, and the neighbouring parts of the Mediterranean. Lowest 29.4 in: and less, over Northern Russia, and below 30.0 in: over Corsica, Sardinia and Tunis; gradients variable but mainly favourable for N³ winds. Still rising slowly over our Islands and Western Europe during day.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

* AN ASTERISK is inserted in all places for which information is not usually received. The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden and Denmark the observations are taken at 8 p.m. (Christiania time).

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 *Saturday 13th June.* 1891.
 Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

STATIONS.		YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
		BAROM.	TEMP.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Sea. (0 to 2.)	SHADE TEMP.		Amount of Rainfall.		
		Reading at 32° F. and Sea Level.	Dry.	Dirce.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dirce.	Force. (0 to 12.)		Max.	Min.			
SCANDINAVIA.	Haparanda ...	27.75	38	WNW	2	0	27.67	-0.04	45	40	0	SW	2	6c	*	48	32	—	
	Hernösand ...	27.71	47	WNW	2	6	27.83	-0.05	46	41	+1	W	4	C	*	63	39	—	
	Stockholm ...	27.95	44	N	2	6	27.89	+0.10	50	41	+2	NW	2	6	*	54	39	—	
	Wisby ...	27.86	42	NNE	6	0	27.90	+0.03	45	43	-3	WNW	4	6	*	50	36	0.04	
	Bodö ...	27.84	39	WNW	5	m	27.75	-0.11	40	36	+3	N	2	C	1	41	32	0.28	
	Christiansund	30.04	45	WNW	8	0	29.94	-0.10	45	43	+2	WNW	7	6	4	46	41	0.08	
	Skudesnaes ...	30.15	46	NW	6	C	30.12	0.00	48	46	+1	NW	5	0	4	?	43	—	
	Christiania Fjord (Færd)	30.01	52	WNW	5	6	29.92	-0.07	54	44	+7	NNE	2	6	2	54	?	—	
	Skagen (The Scaw)	30.04	48	WNW	1	6c	29.93	-0.02	52	48	+4	NW	2	6	2	57	45	—	
	Fanö ...	30.15	48	NW	6	6	30.16	+0.14	48	45	-3	NW	6	0	*	57	45	—	
BRITISH ISLANDS.	Sumburgh Head	30.21	47	WNW	3	0	30.12	-0.15	46	46	+1	W	1	7	2	50	45	0.01	
	Stornoway ...	30.36	57	NW	3	0	30.14	-0.20	51	50	+2	SW	4	0	4	52	46	—	
	Wick ...	30.34	49	NW	1	0	30.18	-0.13	51	48	+2	NW	2	0	1	53	43	—	
	Nairn ...	30.29	60	E	1	6	30.15	-0.15	52	49	+3	SW	1	C	1	60	38	—	
	Aberdeen ...	30.35	50	SE	2	6	30.20	-0.15	54	49	+3	SE	1	6c	1	58	38	—	
	Leith ...	30.29	65	W	1	6	30.24	-0.12	61	52	+7	W	3	6c	*	66	41	—	
	Shields ...	30.30	52	SE	3	6	30.25	-0.12	60	57	+10	WNW	3	6	2	60	41	—	
	Spurn Head ...	30.39	50	ENE	2	6	30.30	-0.04	53	52	+4	W	2	6cm	3	58	48	—	
	York ...	30.38	60	E	3	6	30.33	-0.05	57	52	+7	W	0	6	*	64	39	—	
	Loughborough	30.39	64	ENE	2	6	30.36	-0.02	62	53	+11	W	3	6w	*	67	41	—	
GERMANY & HOLLAND.	Ardrossan ...	30.35	58	W	2	6	30.23	-0.13	51	50	-2	WNW	2	d	1	62	46	—	
	Malin Head ...	30.38	51	E	2	6	30.26	-0.14	53	52	+3	SW	3	0d	1	54	48	0.02	
	Mullaghmore ...	30.39	54	WNW	4	C	30.32	-0.09	53	53	+3	SW	4	0d	2	59	48	0.07	
	Belmullet ...	30.39	57	WNW	2	6	30.32	-0.09	54	53	-1	NW	1	0	*	60	53	0.15	
	Donaghadee ...	30.40	53	NE	3	6	30.32	-0.08	53	52	0	SW	2	7	0	58	50	0.09	
	Liverpool (Bidston)	30.40	58	WNW	1	6	30.35	0.00	60	52	+5	W	1	6c	2	63	47	—	
	Holyhead ...	30.41	56	N	1	6	30.37	+0.01	54	52	-4	SW	3	CW	2	60	49	—	
	Parsonstown ...	30.39	65	2	0	6c	30.37	-0.05	56	53	+2	2	0	0	*	70	49	0.36	
	Valencia ...	30.44	58	SW	2	Cm	30.41	-0.03	58	57	+1	WNW	1	0m	1	60	55	0.05	
	Roche's Point...	30.44	58	SW	3	6	30.40	0.00	57	55	0	W	1	0	2	61	50	—	
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	30.41	58	NW	1	6	30.42	+0.05	53	53	-3	WNW	1	0gm	1	60	50	—	
	Scilly ...	30.46	56	WNW	2	6c	30.47	+0.07	56	54	+1	WNW	2	6c	4	60	52	—	
	Prawle Point ...	30.40	60	WNW	3	6	30.45	+0.08	56	54	-3	WNW	2	6	1	63	46	—	
	Jersey (St. Aubin's)	30.43	65	WNW	3	6m	30.47	+0.10	59	54	-1	W	2	6wm	2	65	46	—	
	Hurst Castle ...	30.42	57	SW	4	m	30.41	+0.04	56	53	+3	W	2	6	1	64	47	—	
	Dungeness ...	30.40	54	SE	2	6	30.39	+0.08	53	52	+3	WNW	3	6c	2	57	42	—	
	London ...	30.40	61	NW	1	6m	30.39	+0.03	53	54	+7	WNW	1	6m	*	63	44	—	
	Oxford ...	30.41	56	E	1	6	30.35	0.00	56	54	+7	SW	1	6	*	64	47	—	
	Cambridge ...	30.41	61	N	1	6	30.37	-0.01	60	53	+9	SW	1	6	*	64	41	—	
	Yarmouth ...	30.40	54	NNE	4	6	30.33	+0.03	56	53	+5	WNW	3	6m	2	58	43	—	
PENINSULA.	Cuxhaven ...	30.18	45	WNW	6	6c	30.25	+0.23	48	47	-6	WNW	5	0	*	54	48	—	
	Berlin ...	30.08	53	NW	4	6	30.18	+0.27	43	46	-1	WNW	5	C	*	57	43	—	
	Wiesbaden ...	*	*	*	*	*	30.40	+0.21	45	45	-2	NW	1	0	*	57	43	—	
	Munich ...	30.26	48	W	5	C	30.36	+0.23	46	43	-3	NW	5	6c	*	54	41	0.04	
	The Helder ...	30.38	49	WNW	2	C	30.36	+0.12	50	48	+1	WNW	1	6c	2	52	48	—	
	Brussels (9 a.m.)	30.33	*	E	4	6	30.43	+0.15	49	45	+1	WNW	1	6c	*	57	39	—	
	Cape Gris Nez	30.39	53	NNE	3	6c	30.39	+0.12	52	50	-2	SW	3	6	1	59	45	—	
	Paris ...	30.39	53	NNE	3	6c	30.43	+0.09	50	46	-1	NNE	1	6	*	61	39	—	
	Brest ...	30.39	53	N	3	6	?	?	49	49	-2	2	0	6	2	64	48	—	
	Lorient ...	30.40	63	W	3	6	30.49	+0.15	55	51	+3	ENE	1	6	4	64	52	—	
FRANCE AND BELGIUM.	Rochefort ...	30.32	67	NNE	4	6	?	?	58	53	0	ENE	3	6	*	75	52	—	
	Belfort ...	?	50	N	3	6c	?	?	53	45	+3	N	3	6	*	62	36	—	
	Lyons ...	30.30	54	N	3	6	30.39	+0.16	52	44	+1	N	3	6	*	59	44	—	
	Nice ...	29.52	65	SW	1	6c	30.08	+0.22	66	60	0	E	1	6	0	73	53	—	
	Perpignan ...	30.13	69	NW	5	6	30.22	+0.04	63	54	+2	NW	5	6	*	71	57	—	
	Biarritz ...	30.38	61	NW	4	0	30.41	?	59	53	-1	E	2	6	2	66	52	—	
	Corunna ...	30.10	69	NNW	5	6	30.15	-0.02	64	53	0	NE	5	6	2	77	63	—	
PENINSULA.	Lisbon ...	30.10	69	NNW	5	6	30.15	-0.02	64	53	0	NE	5	6	2	77	63	—	

For Explanation of Columns, see bottom of p. 4.

Erratum. - The Maximum Temperature at Leith in yesterday's Report should read "76", not "66".

† Received too late for insertion in Charts on p. 2.

WEATHER CHARTS

for 8 a.m. on Saturday, 15 June, 1891.

BAROMETER, WIND AND SEA.

EXPLANATION OF MAP

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

Changes since previous morning are stated in words.

WIND—Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force thus—

→ forces above 10; → forces 8 to 10;
→ forces 5 to 7; → forces 1 to 4.
☉ = dead calm.

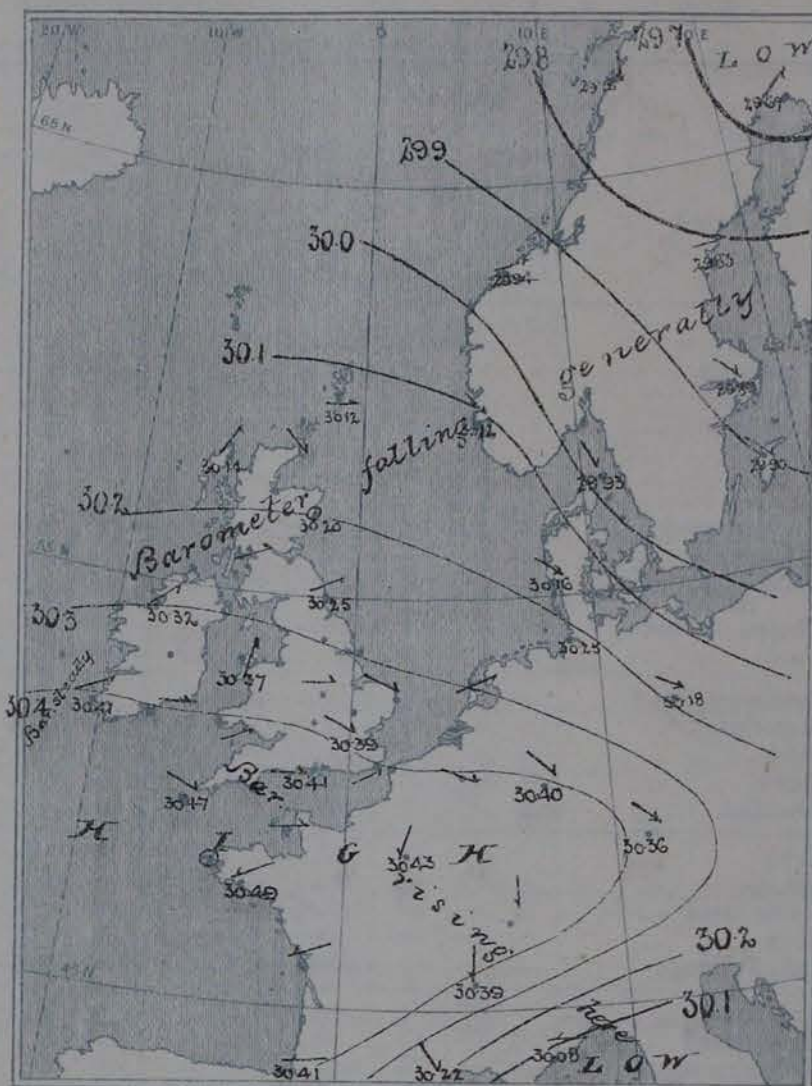
SEA DISTURBANCE—Where considerable, is shown thus:

☼ = Rough. ☼ = High.

MEAN HEIGHT OF THE BAROMETER

at 8.0 a.m. for the month of June
During the 20 Years: 1871-1890.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.883
Stornoway	29.876
Wick	29.898
Nairn	29.901
Aberdeen	29.916
Leith	29.920
Shields	29.918
Spurn Head	29.964
York	29.969
Loughborough	29.980
Ardrossan	29.932
Mullaghnore	29.926
Donaghadee	29.946
Holyhead	29.966
Liverpool	29.966
Parsonstown	29.972
Valencia	29.975
Roche's Point	29.973
Pembroke	29.971
Scilly	29.990
Prawle Point	30.067
Jersey	30.010
Hurst Castle	29.998
Dover	29.982
LONDON	29.992
Oxford	29.986
Cambridge	29.985
Yarmouth	29.977



TEMPERATURE, & WEATHER AT 8 A.M., WITH RAINFALL IN PAST 24 HOURS.

TEMPERATURE—Isotherms are drawn for each 10°. Changes since previous morning are stated in words.

WEATHER—is shown by Letters of the Beaufort Scale.

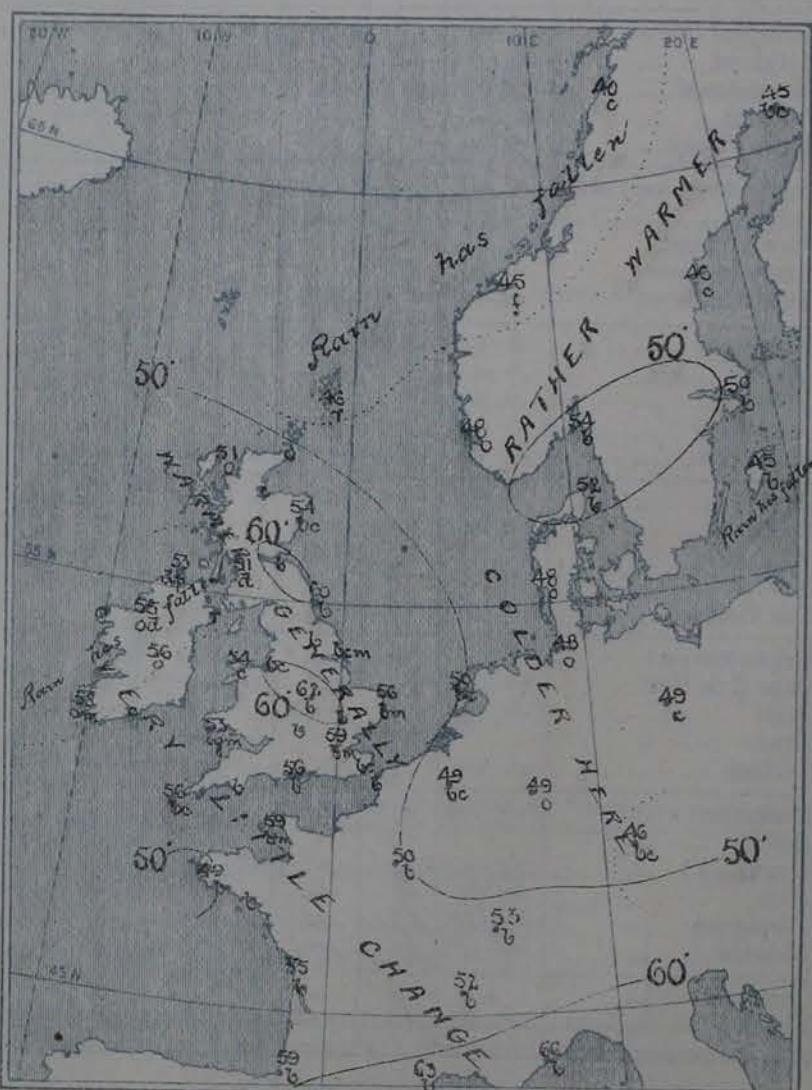
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of June.)

STATIONS.	TEMPERATURE.				RAINFALL (Inches.)
	Daily Max.	Daily Min.	5 a.m.	8 a.m.	
Sumburgh Head	54.6	45.0	50.3	48.6	1.98
Stornoway	58.0	45.9	53.3	51.1	2.85
Wick	58.9	45.5	53.3	50.7	1.74
Nairn	62.2	47.8	51.3	50.6	1.70
Aberdeen	61.2	47.2	51.8	50.8	1.77
Leith	63.9	47.9	55.9	52.3	1.80
Shields	60.6	48.7	54.8	51.7	1.71
Spurn Head	60.4	51.4	55.3	52.8	1.54
York	66.1	48.4	56.2	52.7	2.17
Loughborough	68.6	49.9	57.8	53.9	2.22
Ardrossan	62.0	49.5	55.1	52.1	2.49
Mullaghnore	61.1	51.4	54.9	52.0	2.79
Donaghadee	61.2	49.3	55.9	52.8	1.92
Holyhead	61.6	51.5	55.7	53.2	1.98
Liverpool	63.8	50.9	56.7	52.7	1.89
Parsonstown	64.5	48.5	56.0	52.6	2.39
Valencia	62.2	51.1	57.2	54.3	3.27
Roche's Point	64.5	51.1	56.8	53.0	3.13
Pembroke	60.3	51.5	55.2	53.1	1.94
Scilly	61.3	53.0	57.3	55.2	1.84
Prawle Point	61.5	50.5	56.9	54.6	1.60
Jersey	64.6	52.5	58.8	55.8	1.91
Hurst Castle	64.2	51.9	57.7	55.5	1.97
Dover	63.0	52.5	58.2	54.9	1.29
LONDON	69.1	56.8	58.9	54.6	2.11
Oxford	63.9	49.5	56.8	53.3	2.21
Cambridge	68.6	48.5	58.1	54.7	2.23
Yarmouth	62.0	51.1	56.9	54.0	1.88

NOTE.—The Temperature means are for the 20 years 1871-90, the Rainfall means are mainly those for the 25 years 1866-90.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.4 in. and upwards, in an anticyclone lying over the extreme south of our Islands, Belgium, and the greater part of France.
Lowest, 29.7 in. and less, in a depression lying over Lapland.

Gradient slight. Barometer falling at all but the French and German stations, — most in the north.

TEMPERATURE

Highest, 66° at Nice, 64° at Lisbon, 62° at Loughborough, 61° at Leith, and 60° at Shields, Liverpool, and Cambridge.

Lowest, 40° at Bodo, 45° at Haparanda, Christianmünd and Nisby, and 46° at Helsingland, Sumburg Ht. and Munich.

During last night the thermometer on the grass at Loughborough fell to 31°.

WIND

Light from the W² or SW² over our Islands.

Moderate to strong from the W² or NW² over Scandinavia, Denmark and Germany.

Light or moderate from between N. and E. at most of the French stations.

WEATHER

Bell in Ireland and the west and north of Scotland, as well as in Holstein, with rain in many places.

Fine in nearly all other parts of Northern Europe, but a solar halo reported at Oxford.

Since yesterday morning rain has fallen at most of the Irish stations, the largest amount being 0.4 in. at Parnassstown.

SEA

Smooth or nearly all coasts.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Some depressions are apparently advancing from the Atlantic to our north and north-west coasts, and unsettled weather is therefore likely to spread to most of our western and northern stations. Over the southeastern parts of the Kingdom the conditions will probably remain fine for the present, with rising temperatures.

FORECASTS

For the 24 hours ending at NOON on 14th JUNE 1891.

DISTRICTS.

FORECASTS.

- | | | |
|---|------------------|--|
| 0 | SCOTLAND NORTH | SW ² and W ² winds, freshening; still, some rain. |
| 1 | SCOTLAND EAST | |
| 2 | ENGLAND N.E. | SW ² and W ² winds, light or moderate; fine to cloudy and unsettled. |
| 3 | ENGLAND EAST | |
| 4 | MIDLAND COUNTIES | W ² and SW ² winds, light; fine, warm. |
| 5 | ENGLAND SOUTH | |

DISTRICTS.

FORECASTS.

- | | | |
|----|---------------|---|
| 6 | SCOTLAND WEST | Same as No 0 |
| 7 | ENGLAND N.W. | Same as Nos 1 and 2. |
| 8 | ENGLAND S.W. | W ² to SW ² winds, light or moderate, fair generally. |
| 9 | IRELAND NORTH | SW ² and W ² winds, moderate or fresh, cloudy, some rain. |
| 10 | IRELAND SOUTH | |

WARNINGS

NONE ISSUED.

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

YESTERDAY'S 2 P.M. REPORTS.

	THER: WIND								THER: WIND						
	BAR:	D.	W.	D.	F.	WEA.	SEA		BAR:	D.	W.	D.	F.	WEA.	SEA
Skudesnaes ...	30.19	49	43	NNW	1	6	5	Holyhead ...	30.42	57	52	NNW	1	6	1
Sumburgh Head ...	30.27	48	46	WNW	2	0	2	Valencia ...	30.40	57	53	SW	2	CV	2
Stornoway ...	30.27	52	50	W	3	0	3	Scilly ...	30.43	60	53	NW	3	6	4
Aberdeen ...	30.36	54	48	SE	2	6	2	Jersey ...	30.43	63	53	WNW	3	6m	3
Shields ...	30.37	51	46	ESE	3	6	3	Dungeness ...	30.37	57	53	NE	2	6C	1
Ardrossan ...	30.37	56	53	SW	1	6	1	London ...	30.41	58	52	NW	1	6Cm	*
Malin Head ...	30.42	53	49	N	1	6	1	Yarmouth ...	30.39	54	48	NNE	4	6C	3
Mullaghmore ...	30.40	58	54	WNW	2	6	2	Rocheport ...	30.30	67	60	NNW	1	6C	?
Belmullet ...	30.40	57	54	W	1	6	*								

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

Weather in morning fine and bright over the western parts of our Islands and France, the Spanish Peninsula and greater part of the Mediterranean, also over Central Russia, fair but cloudy over England. Cloudy or overcast and unsettled at the Baltic, Central European and Italian stations, with rain in several places. Fair later at most of the Irish stations and in Norway, fair as a whole elsewhere. Air very dry in London.

Temperature fallen over southeastern and eastern Europe. Morning readings exceeding 70° at Prindisi and Constantinople, but below that value at all the other stations. Ranging between 49° and 51° over Central England, below 50° in the north generally, and as low as 37° at Rode, 41° at Archangel, 45° at Kuopio, Helsingfors, and Leningrad, 46° at Moscow and Memel, 48° at Leningrad and 49° at Oxford. Rising during day to between 60° and 67° over England, to 70° at Paris, to between 70° and 75° in the south of France, but not touching 60° at the German stations.

Wind mainly N³ (NW to NE) over the northern and western countries and of little force, NW² to W³, fresh, over Germany, S³ over the Baltic Provinces, SE³ over Hungary, and SW³ over the northern part of the Adriatic — very variable elsewhere. Becoming W³ and SW³ at many of the Irish stations later, not changing much elsewhere.

Barometer highest 30.4 ins. to 30.2 ins. in an anticyclone spreading in from the Atlantic over the British Isles, North Sea, France, and greater part of Spain; 30.1 ins. to 30.0 ins. in another over the central part of Russia. Lowest 29.6 ins. and less, in a depression near Ulsby, 29.8 ins. and less, in another very shallow one over Austria-Hungary, and 29.9 ins. and less, in a secondary system over the Gulf of Genoa. Rising slowly over Western Europe as a whole later, but inclined to fall in Ireland.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

* AN ASTERISK is inserted in all places for which information is not usually received.
The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden and Denmark the observations are taken at 8 p.m. (Christiania time).

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 Sunday 14th JUNE 1891.
Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

STATIONS.		YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
		BAROM.	TEMP.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 3.)	SHADE TEMP.		Amount of Rainfall.	
		Reading at 32° F. and Sea Level.	Dry.	Direc.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Direc.	Force. (0 to 12.)			Max.	Min.		
SCANDINAVIA.	Haparanda ...	29.67	43	Z	0	b	29.64	- .03	49	43	+ 4	NNE	2	bc	*	50	36	-	
	Hernösand ...	29.70	50	NW	2	b	29.66	- .17	45	40	- 1	NNE	4	bc	*	64	37	0.08	
	Stockholm ...	29.71	49	SW	2	bc	29.64	- .25	48	41	- 2	N	4	o	*	63	37	-	
	Wisby ...	29.74	50	S	4	c	29.61	- .29	50	48	+ 5	WSW	4	b	*	57	41	-	
	Bodö ...	29.90	42	N	1	b	29.78	+ .03	42	38	+ 2	N	1	b	1	45	36	-	
	Christiansund	29.84	45	W	2	f	29.77	- .17	45	41	0	NE	4	o	3	45	43	0.04	
	Skudesnaes ...	29.88	48	WNW	4	o	29.77	- .35	50	47	+ 2	NW	5	o	3	50	45	0.12	
	Christiania Fjord (Færd)	29.73	59	WNW	3	c	29.62	- .30	54	48	0	NNE	5	b	2	59	50	-	
	Skagen (The Scaw)	29.75	50	W	2	o	29.60	- .33	53	50	+ 1	NW	3	b	2	59	48	-	
	Fanö ...	29.98	49	WNW	6	o	29.78	- .38	52	50	+ 4	NW	6	c	*	54	48	0.12	
BRITISH ISLANDS.	Sumburgh Head	29.94	46	W	1	r	29.87	- .25	46	44	0	N	4	o	4	49	44	0.23	
	Stornoway ...	30.06	52	W	4	r	30.07	- .07	52	51	+ 1	NW	4	o	4	56	45	0.03	
	Wick ...	30.04	48	NW	3	o	29.97	- .21	51	49	0	NNW	7	o	5	55	45	0.05	
	Nairn ...	30.04	57	W	3	o	30.05	- .14	52	50	0	WSW	7	c	1	62	48	-	
	Aberdeen ...	30.04	55	SE	2	c	30.03	- .17	53	48	- 1	WNW	5	cq	3	60	49	-	
	Leith ...	30.13	57	WNW	4	c	30.08	- .16	57	52	- 4	WNW	3	o	*	62	50	-	
	Shields ...	30.14	58	W	4	o	30.08	- .17	56	51	- 4	WNW	3	c	2	68	48	-	
	Spurn Head ...	30.16	58	WSW	4	c	30.09	- .21	55	51	0	W	5	bc	3	67	50	-	
	York ...	30.22	60	W	3	bc	30.13	- .20	56	51	- 1	NW	2	c	*	68	41	-	
	Loughborough	30.25	63	W	3	o	30.19	- .17	57	52	- 5	W	3	c	*	73	51	-	
GERMANY & HOLLAND.	Ardrossan ...	30.20	55	WNW	5	o	30.14	- .09	53	51	+ 2	WNW	4	o	3	57	50	0.05	
	Malin Head ...	30.28	53	WNW	4	o	30.22	- .04	51	49	- 2	NW	3	o	2	54	50	-	
	Mullaghmore ...	30.36	55	WSW	3	o	30.26	- .06	53	51	- 2	WSW	1	o	2	57	51	0.02	
	Belmullet ...	30.37	56	WNW	2	o	30.25	- .07	54	52	0	WSW	1	o	*	57	53	-	
	Donaghadee ...	30.28	57	N	4	c	30.22	- .10	54	51	+ 1	NW	4	c	2	67	51	0.02	
	Liverpool (Bidston)	30.26	58	W	4	o	30.22	- .13	54	50	- 6	WNW	4	bc	4	61	57	-	
	Holyhead ...	30.29	59	WSW	3	og	30.25	- .12	53	52	- 1	NW	1	cq	2	59	49	-	
	Parsonstown ...	30.34	64	Z	0	bc	30.29	- .08	59	51	+ 3	Z	0	o	*	65	50	-	
	Valencia ...	30.39	58	NNW	3	bm	30.30	- .11	55	52	- 3	Z	0	om	1	61	57	-	
	Roche's Point...	30.35	61	W	1	bc	30.31	- .09	54	51	- 3	NNW	1	o	3	63	50	-	
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	30.34	53	WSW	2	f	30.28	- .14	53	51	0	NE	1	b	2	55	48	0.02	
	Scilly ...	30.40	58	SW	3	c	30.28	- .19	56	55	0	SW	3	c	4	61	54	-	
	Prawle Point ...	30.36	60	WNW	3	c	30.28	- .17	57	56	+ 1	WNW	2	om	1	60	54	-	
	Jersey (St. Aubin's)	30.41	56	W	4	b	30.29	- .18	56	56	- 3	WNW	2	fd	2	60	54	0.01	
	Hurst Castle ...	30.32	58	WSW	3	cm	30.24	- .17	58	57	+ 2	WNW	1	c	1	63	54	-	
	Dungeness ...	30.24	57	SW	5	bc	30.17	- .22	57	53	+ 2	NNW	5	cq	3	60	52	-	
	London ...	30.24	69	W	3	bc	30.20	- .19	57	51	- 2	NW	3	c	*	76	53	-	
	Oxford ...	30.26	61	WSW	3	o	30.22	- .17	56	52	0	NW	3	c	*	72	52	-	
	Cambridge ...	30.23	68	W	1	o	30.17	- .20	58	53	- 2	NW	1	c	*	73	48	-	
	Yarmouth ...	30.20	58	S	2	bc	30.11	- .22	57	52	+ 1	NW	4	c	3	64	50	-	
PORTUGAL.	Cuxhaven ...	30.19	52	WNW	4	bc	29.90	- .35	53	52	+ 5	NW	6	o	*	55	48	0.06	
	Berlin ...	30.11	51	WNW	4	o	29.88	- .30	50	49	+ 1	SW	3	r	*	55	49	0.04	
	Wiesbaden ...	*	*	*	*	*	30.10	- .30	54	50	+ 5	Z	0	o	*	63	46	-	
	Munich ...	30.32	50	W	3	b	30.19	- .17	56	49	+ 10	SW	4	bc	*	56	41	-	
	The Helder ...	30.16	55	SW	2	o	30.03	- .33	52	51	+ 2	WNW	3	c	3	57	50	-	
	Brussels (9 a.m.)	*	*	*	*	*	30.13	- .30	56	54	+ 7	WNW	2	o	*	64	49	-	
	Cape Gris Nez	30.26	57	SSW	4	bc	30.17	- .22	55	53	+ 3	WNW	4	bc	3	61	50	-	
	Paris ...	30.36	64	W	1	b	30.25	- .18	57	55	+ 7	W	2	o	*	69	49	-	
	Brest ...	?	55	NNW	2	b	?	?	56	56	+ 7	N	1	o	2	64	48	-	
	Lorient ...	30.40	62	W	3	b	30.33	- .16	57	54	+ 2	NE	1	c	5	66	52	-	
PORTUGAL.	Rochefort ...	?	66	NW	4	b	?	?	59	57	+ 4	Z	0	b	2	75	54	-	
	Belfort ...	?	54	SW	3	c	?	?	55	50	+ 2	SW	3	c	*	68	37	-	
	Lyons ...	30.32	62	N	3	b	30.30	- .09	58	51	+ 6	N	1	b	*	65	48	-	
	Nice ...	30.14	64	WNW	2	bc	30.19	+ .11	63	56	- 3	SW	1	b	*	73	57	-	
	Perpignan ...	30.21	70	NW	4	b	30.25	+ .03	66	56	+ 3	NNW	3	b	*	74	55	-	
	Biarritz ...	30.35	65	NNE	3	b	30.31	- .10	59	56	0	SW	3	b	2	68	55	-	
PORTUGAL.	Corunna ...	*	*	*	*	*	?	?	70	65	+ 2	NNE	1	b	2	73	54	-	
	Lisbon ...	30.06	77	NNE	5	b	30.12	- .03	67	58	+ 3	NE	3	b	?	82	63	-	

For Explanation of Columns, see bottom of p. 4.

† Received too late for insertion in Charts on p. 2.

WEATHER CHARTS

for 8 a.m. on Sunday, 14th June, 1891.

BAROMETER, WIND AND SEA.

EXPLANATION OF MAP

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

Changes since previous morning are stated in words.

WIND—Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force thus

→ = forces above 10; → = forces 8 to 10;

→ = forces 5 to 7; → = forces 1 to 4.

○ = dead calm.

SEA DISTURBANCE—Where considerable, is shown thus:

≡ = Rough. ≡ = High.

MEAN HEIGHT OF THE BAROMETER

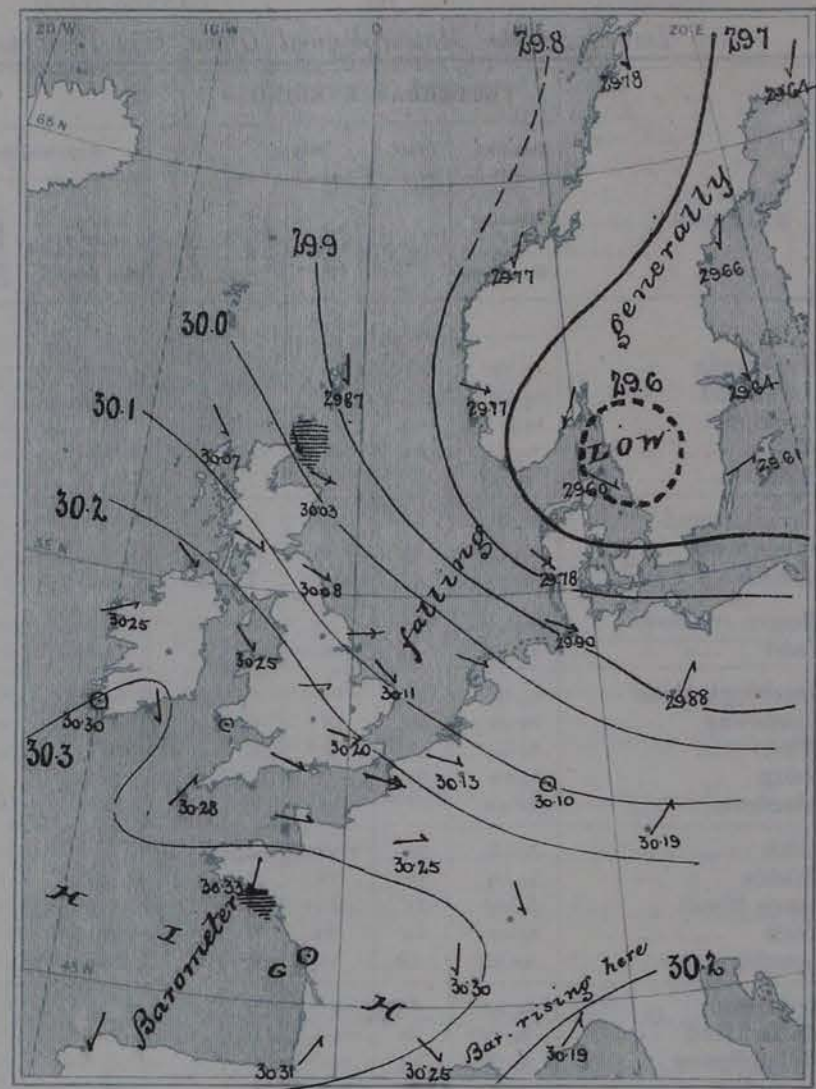
at 8.0 a.m. for the month of June

During the 20 Years: 1871—1890.

STATIONS.

MEAN READINGS.

Sumburgh Head	29.883
Stornoway	29.876
Wick	29.898
Nairn	29.904
Aberdeen	29.916
Leith	29.930
Shields	29.948
Spurn Head	29.964
York	29.969
Loughborough	29.980
Ardrossan	29.992
Mullaglumore	29.996
Donaghadee	29.996
Holyhead	29.996
Liverpool	29.996
Parsonstown	29.972
Valencia	29.975
Roche's Point	29.973
Pembroke	29.974
Scilly	29.990
Prawle Point	30.007
Jersey	30.010
Hurst Castle	29.998
Dover	29.982
LONDON	29.992
Oxford	29.986
Cambridge	29.985
Yarmouth	29.977



TEMPERATURE, & WEATHER AT 8 A.M., WITH RAINFALL IN PAST 24 HOURS.

TEMPERATURE—Isotherms are drawn for each 10°. Changes since previous morning are stated in words.

WEATHER is shown by Letters of the Beaufort Scale.

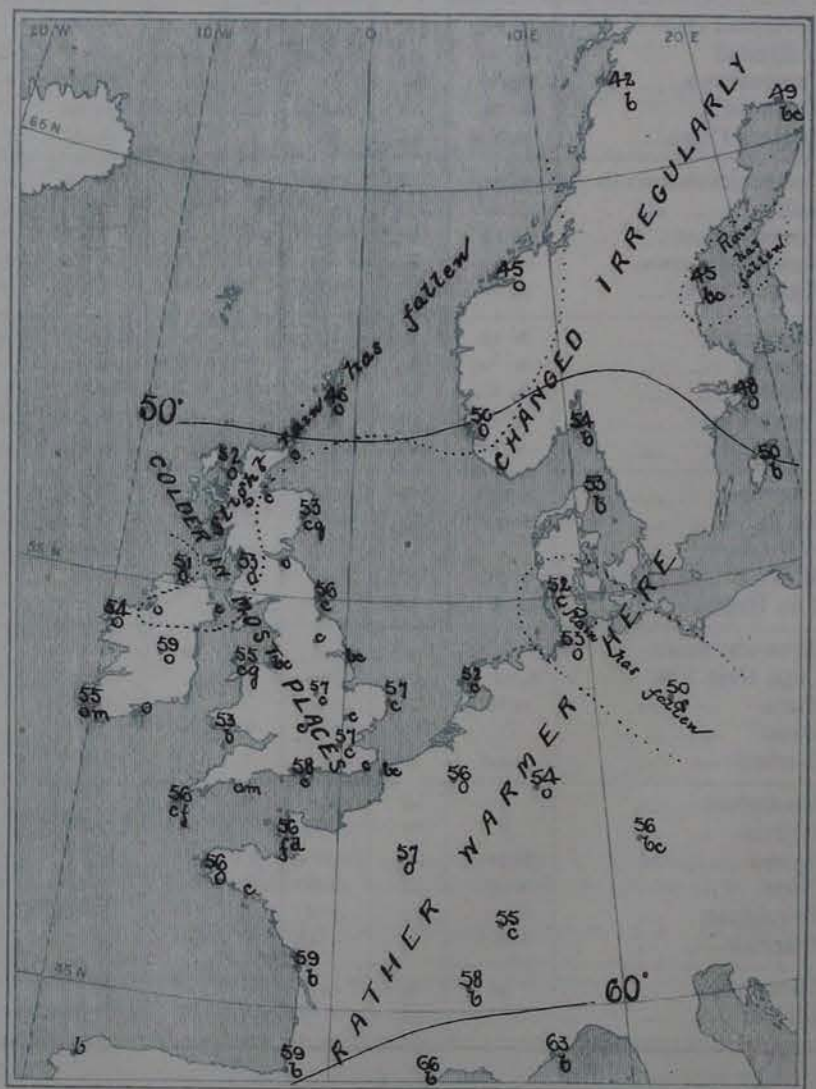
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of June.)

STATIONS.	TEMPERATURE.				RAINFALL (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry.	Wet.	
Sumburgh Head.....	54.6	45.0	50.3	48.6	1.98
Stornoway.....	58.0	45.0	53.3	51.1	2.85
Wick.....	58.9	45.5	53.3	50.7	1.74
Nairn.....	62.2	47.8	54.3	50.6	1.70
Aberdeen.....	61.2	47.2	54.8	50.8	1.77
Leith.....	63.9	47.9	55.0	52.3	1.80
Shields.....	60.6	48.7	54.8	51.7	1.71
Spurn Head.....	60.4	51.4	55.3	52.8	1.51
York.....	66.1	48.4	50.2	52.7	2.17
Loughborough.....	68.0	49.0	57.8	53.9	2.22
Ardrossan.....	62.0	49.5	55.1	52.1	2.49
Mullaglmore.....	61.1	51.4	54.9	52.0	2.70
Donaghadee.....	61.2	49.3	55.0	52.8	1.02
Holyhead.....	61.6	61.5	55.7	53.2	1.98
Liverpool.....	63.8	50.9	56.7	52.7	1.89
Parsonstown.....	64.5	48.5	56.0	52.6	2.39
Valencia.....	62.2	51.1	57.2	54.3	3.27
Roche's Point.....	64.5	51.1	56.8	53.6	3.13
Pembroke.....	60.3	51.5	55.2	53.1	1.94
Scilly.....	61.3	53.0	57.3	55.2	1.84
Prawle Point.....	61.5	50.5	56.9	54.6	1.60
Jersey.....	64.6	52.5	58.6	55.8	1.91
Hurst Castle.....	64.2	51.9	57.7	55.5	1.97
Dover.....	63.0	52.5	58.2	54.9	1.50
LONDON.....	69.1	50.6	58.9	54.6	2.11
Oxford.....	66.9	49.5	56.8	53.3	2.21
Cambridge.....	69.6	48.5	58.1	54.7	2.23
Yarmouth.....	62.0	51.1	56.9	54.0	1.88

NOTE.—The Temperature means are for the 20 years 1871-90, the Rainfall means are mainly those for the 25 years 1868-90.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.3 in. and upwards, in an anticyclone lying over the Bay of Biscay, the extreme south of Ireland and the greater part of France.
 Lowest, 29.6 in. and less, in a small depression lying over the Sea.
 Gradients slight. Barometer falling generally, but inclined to rise again in the west of Scotland.

TEMPERATURE

Highest, 70° at Lorient, 67° at Lisbon, 66° at Perpignan, 63° at Nice, 59° at Biarritz, and 58° at Falmouth, Hurst Castle, and Lyons.
 Lowest, 42° at Bodo, 45° at Helsingfors and Christiania, 46° at Stockholm, 48° at Haparanda.
 During yesterday the thermometer rose to 72° at Oxford, to 73° at Loughborough and Falmouth and to 76° in London.

WIND

W or NW over the greater part of our Islands and the eastern and southern shores of the North Sea; strong in force in the north of Scotland and also in the south of Denmark.
 SW in Germany, N in Scandinavia; light and variable over France and the southwest of our Islands.

WEATHER

Fine over the greater part of England, as well as in Sweden, Denmark, and the southern part of France.
 B. elsewhere, with fog at the mouth of the Channel, and rain at Berlin.
 Slight rain fell yesterday at some of the northern and northwestern stations.

SEA

Moderate to smooth generally, but rough at Wick and Lorient.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

For the 24 hours ending at NOON on 15th JUNE 1891.

DISTRICTS.

FORECASTS.

- 0 SCOTLAND NORTH
- 1 SCOTLAND EAST
- 2 ENGLAND N.E.
- 3 ENGLAND EAST
- 4 MIDLAND COUNTIES
- 5 ENGLAND SOUTH

None issued.

DISTRICTS.

FORECASTS.

- 6 SCOTLAND WEST
- 7 ENGLAND N.W.
- 8 ENGLAND S.W.
- 9 IRELAND NORTH
- 10 IRELAND SOUTH

None issued.

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:		WIND		WEA.	SEA		BAR:	THER:		WIND		WEA.	SEA
		D.	W.	D.	F.					D.	W.	D.	F.		
Skudesnaes ...	30.04	49	46	WN	5	0	3		Holyhead ...	30.38	54	52	NN	4	og
Sumburgh Head ...	30.03	47	46	W	2	0	2		Valencia ...	30.41	61	58	NNW	2	cm
Stornoway ...	30.07	55	54	SW	4	0	3		Scilly ...	30.45	59	57	WSW	2	c
Aberdeen ...	30.11	56	50	SE	2	og	1		Jersey ...	30.44	60	54	WNW	3	b
Shields ...	30.18	61	54	W	4	op	2		Dungeness ...	30.32	59	56	SW	5	b
Ardrossan ...	30.23	55	52	W	3	0	2		London ...	30.34	75	63	W	2	b
Malin Head ...	30.29	53	52	W	3	0	2		Yarmouth ...	30.27	62	50	E	2	b
Mullaghmore ...	30.35	55	53	WSW	3	0	2		Rochefort ...	30.35	72	64	N	3	b
Belmullet ...	30.37	57	55	W	1	0	*								

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

Weather in morning fine and bright over the greater part of southern and western Europe, in England, the southern parts of Sweden, and some portions of Finland; cloudy, overcast and unsettled over Russia, Central, and northeastern Europe, with rain in many places. Slight rain at a few of our own stations later and over countries lying to the eastwards of the North Sea, as well as in Russia; a considerable local fall at Rindia also.

Temperature higher over the British Isles than of late, lower over Central Europe; morning readings below 70° except in extreme southeast; below 60° except over the most southern countries, and below 50° over northern and central Europe; lowest of all 40° at Porto and 44° to 46° over the northern part of Scandinavia, as well as over Poland and eastern Germany, 50° at Stockholm, Paris, Vienna, and Hermannstadt. Rising later to between 70° and 76° over England, some parts of France, Italy, to 80° and more in Spain and to nearly 110° at Biskra (Algeria) but failing to reach 60° over Germany and Austria.

Wind moderate W and SW over the United Kingdom, W to NW over Scandinavia; N to NW over Germany and Austria and strong in places; N in France; but S to SE over Central Russia; very variable elsewhere. Complete cyclonic circulation of moderate winds over Mediterranean. Falling light and variable over Central Europe and the Mediterranean later.

Barometer highest 30.5 ins. and more to 30.6 ins. in anticyclone covering the greater part of Western Europe and neighbouring parts of the Atlantic; 30.0 ins. and more to 29.2 ins. in another over Russia. Lowest 29.6 ins. in a depression over the Baltic Provinces, 29.7 ins. and less, in another over the Black Sea and in a third over Lapland; 30.0 ins. and less, in a fourth over the Mediterranean (between Sardinia and the Italian coast). Falling over the North Sea and Northern Europe later and high pressure over Russia giving stay.

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.

The evening observations are taken at 6 p.m. in France and our islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden and Denmark the observations are taken at 8 p.m. (Christiania time).

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 *Monday, 15th June, 1891.*
 Issued by the Meteorological Office, 63, Victoria Street, London. *R. H. SCOTT, Secretary.*

R. H. SCOTT, Secretary.																	
STATIONS.	YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.	
	BAROM.	TEMP.	WIND.			BAROMETER.		SHADE TEMP.			WIND.				SHADE TEMP.		
Reading at 32° F. and Sea Level.	Dry.	Dirac.	Force. (0 to 12.)	Weather.	Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dirac.	Force. (0 to 12.)	Weather.	Sea. (0 to 10.)	Max.	Min.	Amount of Rainfall.	
SCANDINAVIA.																	
Haparanda ...	29.63	45	N	2	bc	29.70	+ 06	48	42	- 1	Z	0	bc	*	57	34	-
Hernösand ...	29.68	44	NE	2	bc	29.70	+ 04	48	42	+ 3	NE	2	bc	*	59	37	-
Stockholm ...	29.64	46	E	1	b	29.64	00	48	42	0	NE	2	b	*	61	39	-
Wisby ...	29.59	47	ESE	4	0	29.58	- 03	48	46	- 2	E	4	0	*	54	43	-
Bodö ...	29.76	43	NNW	2	b	29.74	- 04	44	39	+ 2	N	1	0	1	45	37	-
Christiansund	29.80	47	N	4	b	29.78	+ 01	43	40	- 2	SSW	1	bc	2	45	39	0.04
Skudesnaes ...	29.73	47	NW	6	c	29.75	- 02	47	42	- 3	NNW	7	c	4	45	45	-
Christiania Fjord (Færder)	29.56	56	N	3	bc	29.62	00	47	44	- 7	NNE	6	bc	2	61	?	-
Skagen (The Scaw)	29.57	48	WNW	1	b	29.57	- 03	53	48	0	NNE	2	b	2	61	46	-
Fanö ...	29.77	49	NW	6	c	29.75	- 03	51	46	- 1	NW	6	0	*	55	46	-
Sumburgh Head	29.90	49	NNW	4	bc	29.75	- 12	49	49	+ 3	Z	0	0	3	50	43	0.10
Stornoway ...	30.01	52	N	3	0	29.82	- 25	49	49	- 3	S	2	r	3	56	46	0.03
Wick ...	29.98	49	NNW	3	c	29.80	- 17	49	49	- 2	NW	1	r	1	53	47	0.06
Nairn ...	29.99	55	N	2	c	29.82	- 23	53	50	+ 1	SW	1	c	1	60	45	-
Aberdeen ...	30.00	52	NNW	3	0	29.85	- 18	51	47	- 2	S	2	c	1	62	46	0.01
BRITISH ISLANDS.																	
Leith ...	30.02	61	WNW	4	bc	29.87	- 21	51	50	- 6	N	1	r m	*	68	48	0.07
Shields ...	30.01	60	N	4	c	29.91	- 17	50	49	- 6	WNW	1	r	2	62	47	0.03
Spurn Head ...	30.05	54	SE	2	b	29.94	- 15	56	53	+ 1	N	2	bcw	2	58	51	-
York ...	30.07	60	N	3	bc	29.95	- 18	56	53	0	WNW	1	c	*	62	47	-
Loughborough	30.11	62	N	3	b	30.00	- 19	57	54	0	SW	2	0	*	65	50	0.01
Ardrossan ...	30.08	54	N	2	0	29.88	- 26	55	53	+ 2	NW	2	c	2	57	48	0.12
Malin Head ...	30.12	54	NNW	1	0	29.88	- 34	54	52	+ 3	WSW	3	0	2	58	50	0.08
Mullaghmore ...	30.11	56	Z	0	0	29.91	- 35	55	53	+ 2	SW	4	p	2	58	49	0.16
Belmullet ...	30.11	53	SW	2	r	29.92	- 33	55	55	+ 1	N	2	b	*	59	52	0.85
Donaghadee ...	30.13	54	SE	2	bc	29.93	- 29	58	55	+ 4	NW	3	bc	1	64	53	0.05
Liverpool (Bidston)	30.13	56	N	3	bc	29.96	- 26	56	54	+ 2	SW	1	0	2	59	51	0.01
Holyhead ...	30.17	58	WSW	2	c	29.97	- 28	54	54	- 1	SW	2	og	2	60	51	0.10
Parsonstown ...	30.13	63	Z	0	c	29.97	- 32	58	55	- 1	Z	0	0	*	66	51	0.28
Valencia ...	30.17	55	NW	1	0	30.04	- 26	57	56	+ 2	WSW	3	og m	3	60	52	0.05
Roche's Point...	30.18	58	SSW	3	c	30.05	- 26	59	57	+ 5	N	3	c	3	60	53	-
Pembroke (St. Ann's Hd.)	30.19	55	N	1	bc	30.05	- 23	53	52	0	WSW	2	om	2	57	52	0.08
Scilly ...	30.21	57	NNW	2	0	30.10	- 18	57	56	+ 1	N	2	ow	3	60	53	0.01
Prawle Point ...	30.19	56	N	3	bc	30.10	- 18	56	56	- 1	N	1	f	0	64	52	-
Jersey (St. Aubin's)	30.22	57	N	3	0	30.14	- 15	56	54	0	NNW	3	og m	3	60	53	-
Hurst Castle ...	30.15	57	WSW	4	b	30.07	- 17	57	55	- 1	N	3	c	1	64	52	-
Dungeness ...	30.10	59	WSW	5	c	30.01	- 16	56	55	- 1	N	4	m	3	66	51	-
London ...	30.13	67	NW	2	bc	30.02	- 18	57	52	0	SW	1	0	*	69	49	-
Oxford ...	30.10	62	WSW	1	c	30.02	- 20	57	54	+ 1	N	1	0	*	68	49	-
Cambridge ...	30.11	62	NW	1	bc	30.00	- 17	57	53	- 1	N	1	0	*	67	48	-
Yarmouth ...	30.10	55	Z	0	c	29.98	- 13	56	53	- 1	NW	2	bc	2	62	48	0.02
GERMANY & HOLLAND.																	
Cuxhaven ...	29.89	50	NNW	5	0	29.88	- 02	49	48	- 4	NNW	5	0	*	56	48	0.04
Berlin ...	29.82	57	N	2	0	29.89	+ 01	51	48	+ 1	N	5	0	*	63	46	0.16
Wiesbaden ...	*	*	*	*	*	30.07	- 03	57	52	+ 3	WSW	3	0	*	66	50	-
Munich ...	30.12	53	SW	6	c	30.12	- 07	57	52	+ 1	N	5	0	*	61	50	0.08
The Helder ...	30.06	52	NNW	2	c	29.95	- 08	53	51	+ 1	N	2	c	3	54	52	0.04
FRANCE AND BELGIUM.																	
Brussels (8 a.m.)	*	*	*	*	*	30.04	- 09	53	52	- 3	WSW	2	0	*	62	50	-
Cape Gris Nez	30.11	55	N	4	0	30.03	- 14	50	50	- 5	SW	4	f	4	64	48	-
Paris ...	30.17	65	NW	2	b	30.13	- 12	58	55	+ 1	N	2	b	*	71	49	-
Brest ...	?	60	Z	0	0	?	?	57	55	+ 1	NW	1	m	2	64	54	-
Lorient ...	30.21	63	WSW	3	b	30.15	- 18	58	57	+ 1	Z	0	0	2	66	55	-
Rochefort ...	30.18	67	N	3	b	?	?	62	60	+ 3	NE	2	b	*	73	57	-
Belfort ...	?	59	SW	3	c	?	?	59	54	+ 4	SW	3	0	*	66	46	-
Lyons ...	30.19	64	NE	1	bc	30.15	- 15	63	58	+ 5	E	1	b	*	74	56	-
Nice ...	30.08	64	SW	2	bc	30.08	- 11	62	59	- 1	E	2	0	2	73	55	-
Perpignan ...	30.14	75	SE	1	b	30.13	- 12	67	60	+ 1	N	3	b	*	79	58	-
Biarritz ...	30.19	66	NE	3	b	30.14	- 17	60	57	+ 1	Z	0	0	1	72	58	-
PENIN- SULA.																	
Corunna ...	*	*	*	*	*	30.10	- 02	71	59	+ 4	NNE	2	b	2	86	66	-
Lisbon ...	30.06	77	N	4	b	30.10	- 02	71	59	+ 4	NNE	2	b	2	86	66	-

For Explanation of Columns, see bottom of p. 4.

† Received too late for insertion in Charts on p. 2.

WEATHER CHARTS

for 8 a.m. on Monday, 15th June, 1891.

BAROMETER, WIND AND SEA.

EXPLANATION OF MAP

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

Changes since previous morning are stated in words.

WIND—Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force thus:

→ forces above 10; →→ forces 8 to 10;

→→ forces 5 to 7; →→ forces 1 to 4.

○ = dead calm.

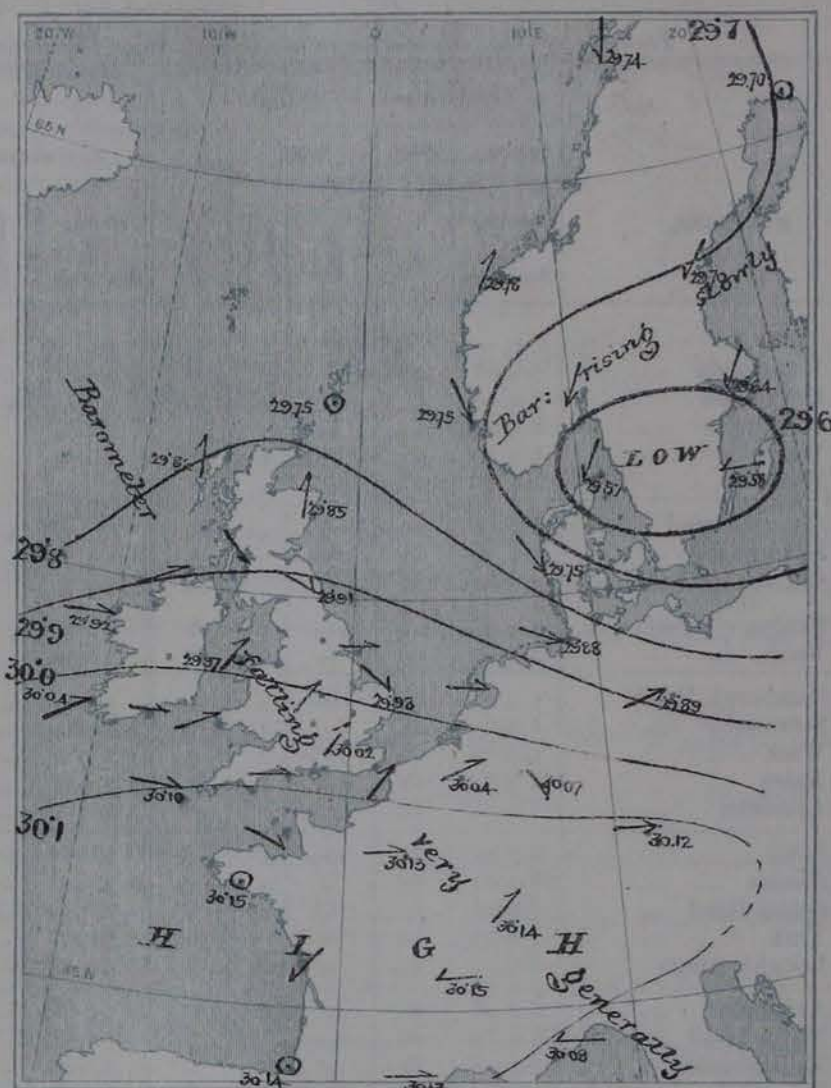
SEA DISTURBANCE—Where considerable, is shown thus:

▨ = Rough. ▨ = High.

MEAN HEIGHT OF THE BAROMETER

at 8.0 a.m. for the month of June
During the 20 Years, 1871—1890.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.883
Stornoway	29.870
Wick	29.808
Nairn	29.901
Aberdeen	29.916
Leith	29.930
Shields	29.948
Spurn Head	29.964
York	29.989
Loughborough	29.980
Ardrossan	29.992
Mullaghmore	29.936
Donaghadee	29.946
Holyhead	29.966
Liverpool	29.966
Parsonstown	29.972
Valencia	29.975
Roches Point	29.973
Pembroke	29.974
Scilly	29.990
Prawle Point	30.067
Jersey	30.010
Hurst Castle	29.998
Dover	29.982
LONDON	29.992
Oxford	29.980
Cambridge	29.985
Yarmouth	29.977



TEMPERATURE, & WEATHER AT 8 A.M., WITH RAINFALL IN PAST 24 HOURS.

TEMPERATURE—Isotherms are drawn for each 10°. Changes since previous morning are stated in words.

WEATHER is shown by Letters of the Beaufort Scale.

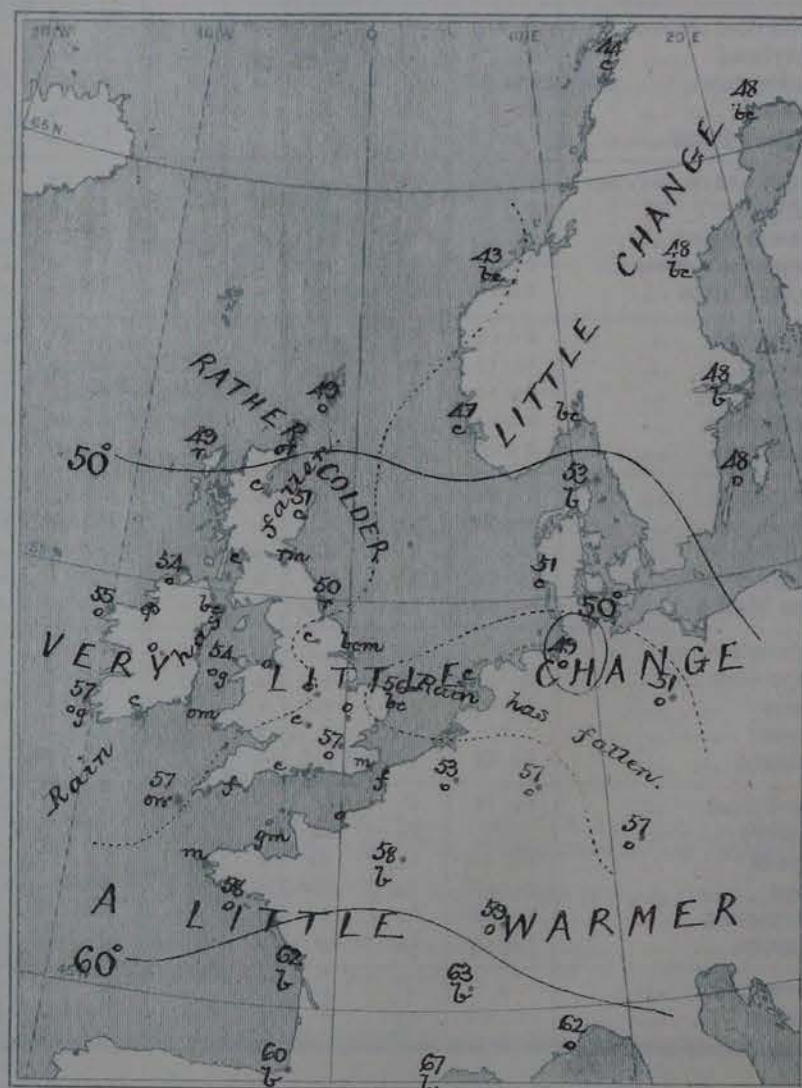
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of June.)

STATIONS.	TEMPERATURE.				RAINFALL (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry.	Wet.	
Sumburgh Head.....	54.6	45.0	50.3	48.6	1.98
Stornoway	58.0	45.9	53.3	51.1	2.85
Wick	58.9	45.5	53.3	50.7	1.74
Nairn	62.2	47.8	54.3	50.6	1.70
Aberdeen	61.2	47.2	54.8	50.8	1.77
Leith	63.9	47.9	55.9	52.3	1.80
Shields	60.6	48.7	54.8	51.7	1.71
Spurn Head.....	60.4	51.4	55.3	52.8	1.51
York	65.1	48.4	56.2	52.7	2.17
Loughborough	68.6	49.0	57.8	53.0	2.22
Ardrossan	62.0	49.5	55.1	52.1	2.49
Mullaghmore	61.1	51.4	54.0	52.0	2.79
Donaghadee.....	61.2	49.3	55.0	52.8	1.92
Holyhead	61.6	51.5	55.7	53.2	1.98
Liverpool	63.8	50.9	56.7	52.7	1.80
Parsonstown	64.5	48.5	56.0	52.6	2.39
Valencia	62.2	51.4	57.2	54.3	3.27
Roches Point	64.5	51.1	56.8	53.6	3.13
Pembroke.....	60.3	51.5	55.2	53.1	1.94
Scilly	61.3	53.0	57.3	55.2	1.84
Prawle Point	61.5	50.5	55.0	54.0	1.60
Jersey	64.0	52.5	58.0	55.8	1.91
Hurst Castle	64.2	51.0	57.7	55.5	1.97
Dover	63.0	52.5	58.2	54.9	1.59
LONDON	69.1	50.6	58.9	54.6	2.11
Oxford	65.9	49.5	56.8	53.3	2.21
Cambridge	68.6	48.5	58.1	51.7	2.23
Yarmouth	62.0	51.1	56.9	54.0	1.88

NOTE.—The Temperature means are for the 20 years 1871-90, the Rainfall means are mainly those for the 25 years 1866-90.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.1 in. and upwards, in an anticyclone lying over France, South Germany, the Bay of Biscay, and the greater part of Spain.
 Lowest, 29.6 in. and less, in a depression lying over the south of Sweden.
 Gradients slight. Barometer falling generally, but rising a little in the north of Sweden.

TEMPERATURE

Highest, 71° at Lisbon, 67° at Perpignan, 63° at Lyons, 62° at Rochefort and Nice, 60° at Biarritz, and 53° at Fochelbent and Belfast.
 Lowest, 43° at Huntly, 44° at Haparanda, 47° at Skudeneas and Tveder, 48° at all the Swedish stations, and 43° in the north of Scotland.
 The highest maxima registered over our Islands yesterday, were 69° in London, and 68° at Feith and Oxford.

WIND

Light from the Wnd or SWnd over the greater part of the United Kingdom and also in the north of France, but S at some of the Scotch stations.
 Light from the NEnd in Sweden; strong from NW on the eastern shores of the North Sea; fresh from W. in Germany.
 Light and variable in the west and south of France.

WEATHER

Fine on the east coast of England, as well as in Scandinavia, Denmark and France.
 Cloudy elsewhere, with fog at some of the Channel stations, and rain in the north of our Islands. Solar halos are visible in London and at Oxford.
 Since yesterday morning rain has fallen in the west and north generally, but the amounts have in most cases been very slight.

SEA

Slight or smooth on all coasts.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

A shallow depression is approaching the west of Scotland, and the unsettled weather now prevailing in the north seems likely to spread further southwards. The general appearance is again becoming very unsettled.

FORECASTS

For the 24 hours ending at NOON on 16th June 1891.

DISTRICTS.

FORECASTS.

- | | | |
|---|------------------|---|
| 0 | SCOTLAND NORTH | S ² to W ² winds, light; unsettled, rain at times |
| 1 | SCOTLAND EAST | |
| 2 | ENGLAND N.E. | Same as No 5 |
| 3 | ENGLAND EAST | |
| 4 | MIDLAND COUNTIES | |
| 5 | ENGLAND SOUTH | SW ² and W ² winds, light; cloudy, slight rain locally. |

DISTRICTS.

FORECASTS.

- | | | |
|----------|---------------|--|
| 6 | SCOTLAND WEST | W ² and NW ² winds, light; changeable, some showers. |
| 7 | ENGLAND N.W. | |
| 8 | ENGLAND S.W. | Same as No 5 |
| 9 | IRELAND NORTH | Same as No 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.

THER: WIND								THER: WIND							
BAR:	D.	W.	D.	F.	WEA.	SEA		BAR:	D.	W.	D.	F.	WEA.	SEA	
Skudesnaes ...	29.75	53	48	NW	6	C	3	Holyhead ...	30.20	59	53	NW	1	C	1
Sumburgh Head								Valencia ...							
Stornoway ...	30.04	55	53	NW	4	C	4	Scilly ...							
Aberdeen ...								Jersey ...	30.26	60	56	W	3	C	3
Shields ...								Dungeneas ...	30.13	60	57	WSW	5	m	3
Ardrossan ...								London ...							*
Malin Head ...	30.12	58	52	WNW	2	O	3	Yarmouth ...							
Mullaghmore ...								Rochefort ...	30.24	71	66	NW	3	b	2
Belmullet ...	30.17	59	56	WSW	1	O	*								

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

Weather in morning fine and bright over southern and southwestern Europe, as well as over Sweden, the east of Norway, and Finland; cloudy, more or less elsewhere, unsettled over Russia, Austria and Germany, with rain in some localities. Rain later over all the western and northern parts of our Islands and in Germany - fall largest at the Irish stations, but not heavy anywhere. Appearance of sky unsettled at times in London.

Temperature changing little and irregularly at first. Morning readings below 70° at all stations excepting Brindisi and Palermo, and below 60° over by far the greater part of Europe. Lowest 42° at Bodo, 45° at Christiansund, Hernösand and St. Petersburg, 46° at Sumburgh Head, 48° at Stockholm, and 49° at Linnemünde and Cracow. Rising later to between 65° and 69° in many parts of Great Britain, to 70° and more at several French stations and to 86° at Lisbon.

Wind moderate N² over the northern half of Scandinavia, NW² over St. Britain and the North Sea (strong on Danish coast and at Cuxhaven), SW² over south Germany, NW² over Hungary and southern Russia, very variable elsewhere, and light. Becoming more W², and much lighter over St. Britain later, and very variable over Ireland.

Barometer highest 30.5 ins. and more to 30.1 ins. in an anticyclone having its central area over the Bay of Biscay and neighbouring parts of Atlantic but stretching north-eastwards over a great deal of the United Kingdom, the whole of France, Austria and south Germany. Lowest 29.5 ins. and less in a depression near St. Petersburg, 29.6 ins. and less in another over the south of Sweden; 30.0 ins. and less in a third (small) near Naples. Falling in our Islands all day - most in northwest.

SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD.

FROM THE 7TH TO 13TH JUNE 1891.

The weather of last week was mostly fair and dry over the United Kingdom, but temperature remained very low for the time of the year until the close of the period when the thermometer over England rose to a few degrees above the average.

At the commencement of the time an anticyclone existed in the far N., while an irregularly formed area of low pressure lay over France so that the prevailing winds over the United Kingdom were E² or NE². On the 8th and 9th a small depression travelled north-eastwards from the west of France to the Netherlands and the Baltic, the passage of the system being attended by heavy rain at many of the French and German stations.

Towards the middle of the week the anticyclone in the north broke up, but on the 11th a new high pressure system appeared off our west coast and gradually spread eastwards until it embraced nearly the whole of the United Kingdom. Light breezes from the N² now set in over the entire country, but the weather remained fair and dry.

At the close of the period the anticyclone was moving southwards and the wind was backing to the W² or SW² in all districts with an increase of cloud, and with rain in the west and north. During the early part of the week temperature was low generally, the daily maxima being below 60° in many places and below 55° at some of our northern and eastern stations. With the shift of wind to the W², however, the thermometer rose, and on the 13th the daily maxima were above 70° in many parts of England.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden and Denmark the observations are taken at 8 p.m. (Christiania time).

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 *Tuesday 16th June.* 1891.
 Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

STATIONS.	YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	Barom. Reading at 32° F. and Sea Level.	TEMP. Dry.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Sea. (0 to 4).	SHADE TEMP.				
			Force. (0 to 12.)	Dir.		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)		Weather.	Max.	Min.	Amount of Rainfall.	
SCANDINAVIA.	Haparanda ...	29.77	44	2	0	6	29.84	+14	54	49	+6	NE	2	6	*	61	59	—
	Hernösand ...	29.72	49	NE	2	C	29.74	+04	55	46	+2	N	4	C	*	66	36	—
	Stockholm ...	29.66	46	ESE	2	C	29.67	+03	48	45	0	NE	3	0	*	59	37	—
	Wisby ...	29.63	50	SSE	4	C	29.63	+05	51	49	+3	E	4	0	*	53	43	—
	Bodö ...	29.79	44	NW	1	6	29.84	+10	44	40	0	NW	1	6	1	48	39	—
	Christiansund	29.83	46	N	2	6	29.91	+13	46	42	+3	NE	2	6	2	48	43	—
	Skudesnaes ...	29.76	47	NW	6	6	29.83	+08	50	46	+3	NNW	6	6	2	53	41	—
	Christiania Fjord (Færd)	29.65	53	WSE	5	6	29.76	+14	49	44	+2	NNE	5	6	2	54	46	—
	Skagen (The Scaw)	29.65	48	NNE	1	6	29.72	+16	52	48	-1	NNE	3	6	3	59	48	—
	Fanö ...	29.80	48	N	4	C	29.82	+07	50	47	-1	NW	4	C	*	54	45	—
BRITISH ISLANDS.	Sumburgh Head	29.77	48	E	2	0	29.85	+24	47	44	-2	S	0	C	1	52	39	—
	Stornoway ...	29.83	54	NE	2	C	29.88	+16	52	50	+3	S	2	6	2	54	45	0.03
	Wick ...	29.83	50	NW	2	C	29.82	+22	52	49	+3	SE	2	0	2	54	44	0.03
	Nairn ...	29.78	55	S	0	7	29.85	+17	49	47	-4	S	0	C	0	56	45	0.05
	Aberdeen ...	29.81	51	NE	1	0	29.83	+18	51	46	0	NNW	1	C	1	55	47	—
	Leith ...	29.82	58	N	1	0	29.83	+16	53	51	+2	E	1	0	*	62	49	0.03
	Shields ...	29.81	50	NW	2	6	29.81	+10	52	49	0	N	1	0	2	66	47	0.38
	Spurn Head ...	29.77	59	WNW	2	6	29.80	+06	54	52	-2	NNE	3	0	3	61	52	0.26
	York ...	29.81	63	N	3	6	29.82	+07	57	54	+1	WNW	2	0	*	65	49	0.20
	Loughborough	29.87	54	WNW	3	7	29.86	+06	56	53	-1	WNW	4	C	*	70	51	0.38
GERMANY & HOLLAND.	Ardrossan ...	29.85	55	NNW	2	0	29.84	+16	53	52	0	N	3	0	2	60	51	0.02
	Malin Head ...	29.92	53	NNW	4	0	29.86	+18	53	50	-1	N	3	0	2	58	51	—
	Mullaghmore ...	29.95	55	N	4	0	29.90	+19	55	53	0	WNW	2	0	2	59	53	0.06
	Belmullet ...	29.90	56	N	2	0	29.88	+16	56	54	+1	WNW	2	0	*	58	52	—
	Donaghadee ...	29.91	57	N	3	0	29.88	+15	57	54	-1	WNW	3	C	1	65	54	0.02
	Liverpool (Bidston)	29.88	57	N	5	6	29.89	+13	54	52	-2	NNW	4	0	4	61	52	0.04
	Holyhead ...	29.93	56	N	3	C	29.92	+15	54	52	0	NNW	3	C	3	59	50	0.22
	Parsonstown ...	29.91	60	NW	1	C	29.95	+18	57	53	-1	S	0	C	*	64	48	0.06
	Valencia ...	29.91	60	NW	3	6	29.88	+14	57	56	0	S	3	0	3	63	51	—
	Roche's Point...	29.86	63	NW	5	6	29.89	+14	56	53	-3	S	1	6	2	64	49	—
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	29.95	55	N	4	6	29.88	+13	54	52	+1	NW	2	6	1	57	51	—
	Scilly ...	29.97	58	N	4	C	29.90	+10	58	56	+1	NNW	3	6	4	61	54	—
	Prawle Point ...	29.93	58	NNW	4	6	29.83	+03	56	54	0	N	2	6	1	59	50	—
	Jersey (St. Aubin's)	29.98	59	N	4	C	29.87	+03	58	55	+2	NNW	3	6	3	60	53	0.01
	Hurst Castle ...	29.95	59	WNW	6	6	29.92	+05	62	58	+4	NNW	2	6	2	62	50	—
	Dungeness ...	29.90	55	WNW	6	7	29.92	+01	59	53	+3	N	4	C	3	59	48	—
	London ...	29.88	65	N	3	6	29.86	+04	58	53	+1	NNW	2	C	*	68	48	0.23
	Oxford ...	29.92	58	WNW	3	6	29.87	+07	56	53	-1	NW	2	C	*	66	48	0.09
	Cambridge ...	29.86	60	SW	1	6	29.86	+06	57	54	0	NW	1	0	*	70	53	0.05
	Yarmouth ...	29.81	61	N	3	C	29.80	+02	59	51	-3	NNW	2	6	3	72	50	0.01
PENINSULA.	Cuxhaven ...	29.88	49	NNW	4	0	29.80	-08	45	48	0	NE	1	0	*	54	48	0.02
	Berlin ...	29.85	54	N	3	0	29.80	-09	53	45	+2	NW	2	0	*	55	48	0.16
	Wiesbaden ...	29.85	54	N	3	0	29.85	-22	53	54	+1	N	2	0	*	68	54	0.16
	Munich ...	29.84	58	NE	2	0	29.90	-22	53	51	-4	N	4	7	*	64	52	0.04
	The Helder ...	29.86	54	SW	1	6	29.87	-08	52	50	-1	NNE	4	C	3	57	52	0.08
	Brussels (9 a.m.)	29.96	55	SW	5	6	29.96	-08	55	50	+2	NW	5	C	*	65	51	—
	Cape Gris Nez	29.91	53	SW	5	6	29.90	-03	53	53	+3	NNW	4	6	4	55	48	—
	Paris ...	29.93	65	NW	3	6	29.96	-07	58	53	0	NNW	3	6	*	69	55	—
	Brest ...	29.91	62	NW	2	C	29.91	-07	58	53	0	NNW	2	0	2	68	54	—
	Lorient ...	29.92	60	N	4	6	29.91	+06	56	53	-2	NW	2	C	3	63	54	—
FRANCE AND BELGIUM.	Rochefort ...	29.98	65	NW	3	6	29.99	-09	58	55	-4	NNW	4	6	*	70	52	0.08
	Belfort ...	29.98	64	SW	3	C	29.98	-11	63	56	0	WNW	4	6	*	76	58	—
	Lyons ...	29.98	68	N	1	C	29.98	-16	63	57	-3	NW	2	6	2	76	57	—
	Nice ...	29.95	60	SE	4	C	29.92	-09	70	58	+3	N	4	6	*	81	59	—
	Perpignan ...	29.94	59	S	0	6	29.94	-09	70	58	+3	N	4	6	*	81	59	—
	Biarritz ...	29.93	69	NNW	1	6	29.93	-08	62	61	+2	SW	2	C	2	77	61	—
PENINSULA.	Corunna ...	29.95	73	N	5	6	29.98	+03	66	64	-2	WNW	4	0	2	68	57	—
	Lisbon ...	29.95	73	N	5	6	29.98	+07	69	69	-2	NE	3	6	2	86	63	—

For Explanation of Columns, see bottom of p. 4.

† Received too late for insertion in Charts on p. 2.

YESTERDAY'S 2 P.M. REPORTS.

	BAR:	THER:		WIND		WEA.	SEA		BAR:	THER:		WIND		WEA.	SEA
		D.	W.	D.	F.					D.	W.	D.	F.		
Skudesnaes ...	29.75	53	48	NW	6	0	3		Holyhead ...	30.20	59	53	NW	1	0
Sumburgh Head									Valencia ...						
Stornoway ...	30.04	55	53	NW	4	C	4		Scilly ...						
Aberdeen ...									Jersey ...	30.26	60	56	W	3	0
Shields ...									Dungeness ...	30.13	60	57	NW	5	m
Ardrossan ...									London ...						*
Malin Head ...	30.12	58	52	WNW	2	0	3		Yarmouth ...						
Mullaghmore ...									Rochefort ...	30.24	71	66	NW	3	0
Belmullet ...	30.17	54	56	WSW	1	0	*								

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

Weather in morning fine and bright over southern and southwestern Europe, as well as over Sweden, the east of Norway, and Finland; cloudy, more or less elsewhere, unsettled over Russia, Austria and Germany, with rain in some localities. Rain later over all the western and northern parts of our Islands and in Germany - fall largest at the Irish stations, but not heavy anywhere. Appearance of sky unsettled at times in London.

Temperature changing little and irregularly at first. Morning readings below 70° at all stations excepting Brindisi and Palermo, and below 60° over by far the greater part of Europe. Lowest 42° at Rodez, 45° at Christiansund, Hernosand and St Petersburg, 46° at Sumburgh Head, 48° at Stockholm, and 49° at Linnemund and Cracow. Rising later to between 65° and 69° in many parts of Great Britain, to 70° and more at several French stations and to 86° at Lisbon.

Wind moderate N^W over the northern half of Scandinavia; NW^W over St Britain and the North Sea (strong on Danish coast and at Cuxhaven); SW^W over south Germany, NW^W over Hungary and southern Russia; very variable elsewhere, and light. Becoming more W^W, and much lighter over St Britain later, and very variable over Ireland.

Barometer highest 30.3 ins. and more to 30.1 ins. in an anticyclone having its central area over the Bay of Biscay and neighbouring parts of Atlantic but stretching northwards over a great deal of the United Kingdom, the whole of France, Austria and south Germany. Lowest 29.5 ins. and less in a depression near St Petersburg, 29.6 ins. and less in another over the south of Sweden; 30.0 ins. and less in a third (small) near Naples. Falling in our Islands all day - most in northwest.

SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD.

FROM THE 7TH TO 13TH JUNE 1891.

The weather of last week was mostly fair and dry over the United Kingdom, but temperature remained very low for the time of the year until the close of the period when the thermometer over England rose to a few degrees above the average.

At the commencement of the time an anticyclone existed in the far N., while an irregularly formed area of low pressure lay over France so that the prevailing winds over the United Kingdom were E^W or NE^W. On the 8th and 9th a small depression travelled northwards from the west of France to the Netherlands and the Baltic, the passage of the system being attended by heavy rain at many of the French and German stations.

Towards the middle of the week the anticyclone in the north broke up, but on the 11th a new high pressure system appeared off our west coast and gradually spread eastwards until it embraced nearly the whole of the United Kingdom. Light breezes from the N^W now set in over the entire country, but the weather remained fair and dry.

At the close of the period the anticyclone was moving southwards and the wind was backing to the W^W or SW^W in all districts with an increase of cloud, and with rain in the west and north. During the early part of the week temperature was low generally, the daily maxima being below 60° in many places and below 55° at some of our northern and eastern stations. With the shift of wind to the W^W, however, the thermometer rose, and on the 13th the daily maxima were above 70° in many parts of England.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

* AN ASTERISK is inserted in all places for which information is not usually received. The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden and Denmark the observations are taken at 8 p.m. (Christiania time).

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 *Tuesday 16th June.* 1891.
 Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

STATIONS.	YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	BAROM.	TEMP.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
			Reading at 32° F. and Sea Level.	Dry.		Dir.	Force. (0 to 12.)	Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.			Dir.	Force. (0 to 12.)		Max.
SCANDINAVIA.	Haparanda ...	29.77	48	2	0	G	29.84	+14	54	49	+6	NE	2	G	*	61	59	—
	Hernösand ...	29.72	49	NE	2	C	29.74	+04	50	46	+2	N	4	C	*	66	56	—
	Stockholm ...	29.66	46	ESE	2	C	29.67	+03	48	45	0	NE	3	0	*	59	57	—
	Wisby ...	29.63	50	ESE	4	C	29.63	+05	51	49	+3	E	4	0	*	55	43	—
	Bodö ...	29.79	44	NW	1	G	29.84	+10	44	40	0	NW	1	G	1	48	59	—
	Christiansund	29.89	46	N	2	G	29.91	+13	46	42	+3	NE	2	6C	2	48	43	—
	Skudesnaes ...	29.76	47	NW	6	G	29.83	+08	50	46	+3	NNW	6	G	2	53	41	—
	Christiania Fjord (Færdler)	29.65	53	WSW	5	6C	29.76	+14	49	44	+2	NNE	5	G	2	54	46	—
	Skagen (The Scaw)	29.65	48	NNE	1	G	29.73	+16	52	48	-1	NNE	3	G	3	59	48	—
	Fanö ...	29.80	48	N	4	C	29.82	+07	50	47	-1	NW	4	C	*	54	45	—
BRITISH ISLANDS.	Sumburgh Head	29.77	48	E	2	0	29.85	+24	47	44	-2	2	0	C	1	52	55	—
	Stornoway ...	29.83	54	NE	2	C	29.98	+16	52	50	+3	8	2	6C	2	54	45	0.03
	Wick ...	29.83	50	NW	2	C	29.92	+22	52	49	+3	SE	2	0	2	54	44	0.03
	Nairn ...	29.78	55	2	0	7	29.85	+17	49	47	-4	2	0	C	0	56	45	0.05
	Aberdeen ...	29.81	51	NE	1	0	29.93	+18	51	46	0	NNW	1	C	1	55	47	—
	Leith ...	29.82	58	N	1	0	29.93	+16	53	51	+2	E	1	0	*	62	49	0.03
	Shields ...	29.81	50	NW	2	6	29.91	+10	50	49	0	N	1	0	2	66	47	0.08
	Spurn Head ...	29.77	59	WSW	2	6	29.90	+06	54	52	-2	NNE	3	0	3	61	52	0.26
	York ...	29.81	63	N	3	6	29.92	+07	57	54	+1	WNW	2	0	*	65	49	0.20
	Loughborough	29.89	54	WSW	3	7	29.96	+06	56	53	-1	WNW	4	C	*	70	51	0.35
GERMANY & HOLLAND.	Ardrossan ...	29.85	55	WNW	2	0	29.94	+16	53	52	0	N	3	0	2	60	51	0.02
	Malin Head ...	29.92	53	WNW	4	0	29.96	+18	53	50	-1	N	3	0	2	58	51	—
	Mullaghmore ...	29.95	55	N	4	0	29.90	+19	53	53	0	WSW	2	0	2	59	53	0.06
	Belmullet ...	29.90	56	N	2	0	29.98	+16	56	54	+1	WSW	2	0	*	58	52	—
	Donaghadee ...	29.91	57	N	3	0	29.98	+15	57	54	-1	WNW	3	C	1	65	54	0.02
	Liverpool (Bidston)	29.88	57	N	5	6C	29.99	+13	54	52	-2	WNW	4	0	4	61	52	0.04
	Holyhead ...	29.93	56	N	3	C	29.92	+15	54	52	0	WNW	3	C	3	59	50	0.22
	Parsonstown ...	29.91	60	NW	1	C	29.95	+18	57	53	-1	2	0	C	*	64	48	0.06
	Valencia ...	29.91	60	NW	3	6C	29.98	+14	57	56	0	8	3	0	3	63	51	—
	Roche's Point...	29.96	63	NW	5	6	29.99	+14	56	53	-3	8	1	6C	2	64	49	—
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	29.95	58	N	4	6C	29.98	+13	54	52	+1	NW	2	G	1	57	51	—
	Scilly ...	29.95	58	N	4	C	29.90	+10	58	56	+1	WNW	3	6C	4	61	54	—
	Prawle Point ...	29.93	58	WNW	4	6C	29.93	+03	56	54	0	N	2	6C	1	59	50	—
	Jersey (St. Aubin's)	29.98	59	N	4	C	29.97	+03	58	55	+2	WNW	3	6C	3	60	53	0.01
	Hurst Castle ...	29.95	59	WSW	6	6C	29.92	+05	62	58	+5	WNW	2	6C	2	62	50	—
	Dungeness ...	29.90	55	WSW	6	7	29.92	+01	59	55	+3	N	4	C	3	59	48	—
	London ...	29.88	65	N	3	6C	29.96	+04	58	53	+1	NNW	2	C	*	63	48	0.23
	Oxford ...	29.92	55	WSW	3	6C	29.97	+07	56	53	-1	NW	2	C	*	66	48	0.09
	Cambridge ...	29.86	60	SW	1	C	29.96	+06	57	54	0	NW	1	0	*	70	50	0.06
	Yarmouth ...	29.81	61	N	3	C	29.90	+02	58	51	-3	NNW	2	6C	3	62	50	0.01
PENIN- SULA.	Cuxhaven ...	29.88	49	WNW	4	0	29.86	-02	49	48	0	NE	1	0	*	54	48	0.02
	Berlin ...	29.85	54	N	3	0	29.80	-09	53	49	+2	NW	2	0	*	55	48	0.16
	Wiesbaden ...	*	*	*	*	*	29.85	-22	58	54	+1	N	2	0	*	68	54	0.16
	Munich ...	29.94	58	NE	2	0	29.90	-22	53	51	-4	N	4	7	*	64	52	0.04
	The Helder ...	29.86	54	WSW	1	C	29.87	-08	52	50	-1	NNE	4	C	3	57	52	0.08
	Brussels (9 a.m.)	*	*	*	*	*	29.96	-08	53	50	+2	NW	5	C	*	65	51	—
	Cape Gris Nez	29.91	53	WSW	5	6	29.90	-03	53	53	+5	WNW	4	7	4	55	48	—
	Paris ...	29.93	65	NW	3	6	29.96	-07	58	53	0	NNW	3	6	*	65	53	—
	Brest ...	29.91	62	NW	2	C	?	?	?	?	?	NNW	2	0	2	68	54	—
	Lorient ...	29.92	60	N	4	6C	29.91	+06	56	53	-2	NW	2	C	3	63	54	—
GERMANY & HOLLAND.	Rochefort ...	29.98	65	NW	3	6	29.99	-09	58	53	-4	NNW	4	6	*	70	55	—
	Belfort ...	?	64	SW	3	C	?	?	59	55	0	WSW	4	6C	*	70	54	0.08
	Lyons ...	29.98	68	N	1	C	29.94	-11	63	56	0	NW	2	6C	*	76	58	—
	Nice ...	29.95	60	SE	4	C	29.92	-16	59	57	-3	N	1	7	2	68	55	—
	Perpignan ...	29.94	59	2	0	6	29.94	-04	70	58	+3	N	4	6C	*	81	59	—
	Biarritz ...	29.93	69	WNW	1	6	29.92	+08	62	61	+2	SW	2	C	2	77	61	—
	Corunna ...	+	29.95	*	*	*	29.98	+03	66	64	-2	WSW	4	0	2	68	55	—
	Lisbon ...	29.95	73	N	5	6	29.98	-07	69	69	-2	NE	3	6	2	86	63	—

For Explanation of Columns, see bottom of p. 4.

† Received too late for insertion in Charts on p. 2.

WEATHER CHARTS

for 8 a.m. on Tuesday, 16th June, 1891.

BAROMETER, WIND AND SEA.

EXPLANATION OF MAP

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

Changes since previous morning are stated in words.

WIND—Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force thus:

→ = forces above 10; → = forces 8 to 10.

→ = forces 5 to 7; → = forces 1 to 4.

→ = dead calm.

SEA DISTURBANCE—Where considerable, is shown thus:

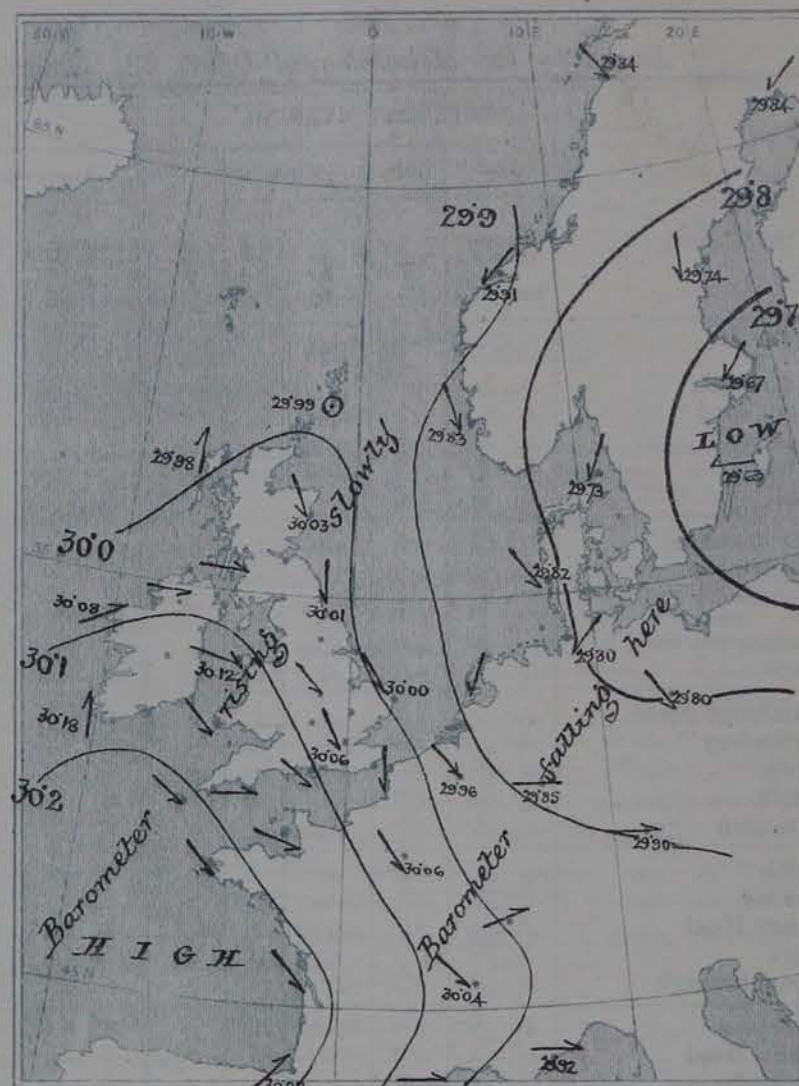
→ = Rough, → = High.

MEAN HEIGHT OF THE BAROMETER

at 8.0 a.m. for the month of June

During the 20 Years: 1871-1890.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.885
Stornoway	29.870
Wick	29.898
Nairn	29.904
Aberdeen	29.910
Leith	29.930
Shields	29.918
Spurn Head	29.904
York	29.939
Loughborough	29.980
Ardrrossan	29.932
Mullaghmore	29.936
Donaghadee	29.946
Holyhead	29.986
Liverpool	29.966
Parsonstown	29.972
Valencia	29.975
Roche's Point	29.973
Pembroke	29.974
Scilly	29.990
Prawle Point	30.067
Jersey	30.010
Hurst Castle	29.998
Dover	29.982
LONDON	29.992
Oxford	29.980
Cambridge	29.985
Yarmouth	29.977



TEMPERATURE, & WEATHER AT 8 A.M., WITH RAINFALL IN PAST 24 HOURS.

TEMPERATURE—Isotherms are drawn for each 10°. Changes since previous morning are stated in words.

WEATHER—is shown by Letters of the Beaufort Scale.

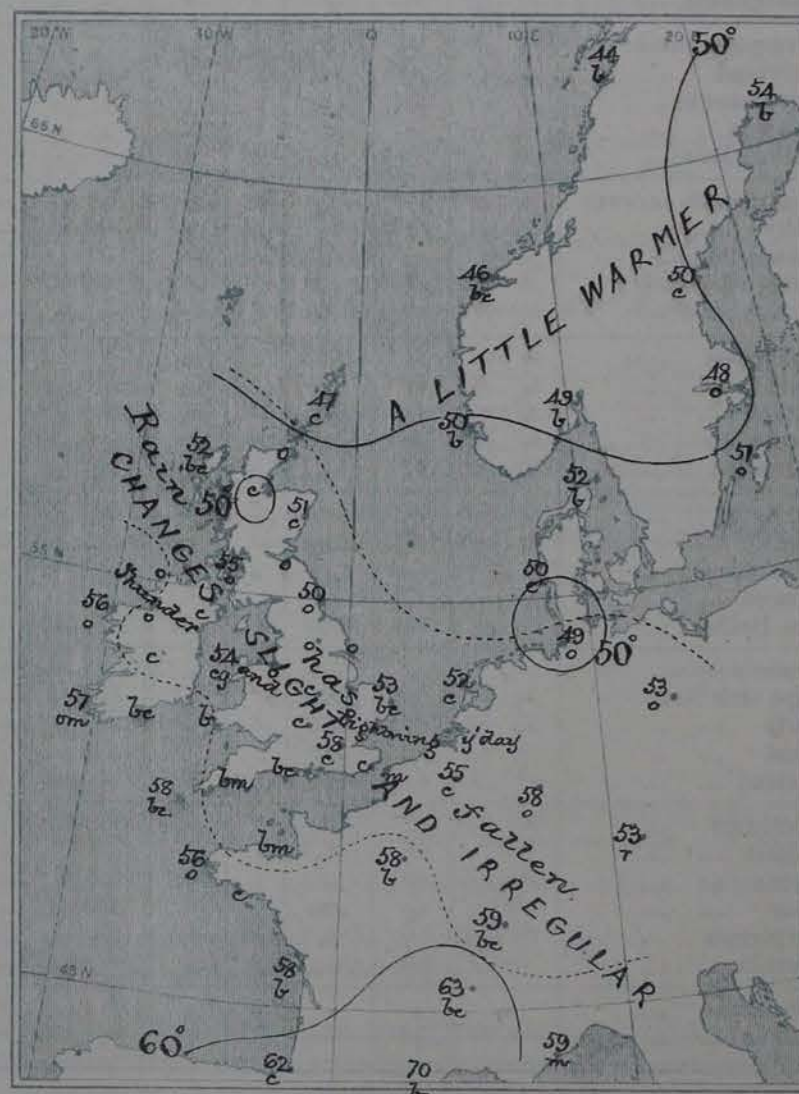
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of June.)

STATIONS.	TEMPERATURE.				RAINFALL (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry.	Wet.	
Sumburgh Head.....	54.6	45.0	50.3	48.6	1.98
Stornoway	58.0	45.9	53.3	51.1	2.85
Wick.....	58.9	45.5	53.3	50.7	1.74
Nairn.....	62.2	47.8	54.3	50.6	1.70
Aberdeen.....	61.2	47.2	54.8	50.8	1.77
Leith.....	63.9	47.9	55.9	52.3	1.89
Shields.....	60.6	48.7	54.8	51.7	1.71
Spurn Head.....	60.4	51.4	55.3	52.8	1.51
York.....	66.1	48.4	56.2	52.7	2.17
Loughborough.....	68.6	49.0	57.8	53.9	2.22
Ardrrossan.....	62.6	49.5	55.1	52.1	2.49
Mullaghmore.....	61.1	51.4	54.9	52.0	2.70
Donaghadee.....	61.2	49.3	55.0	52.8	1.02
Holyhead.....	61.6	51.5	55.7	53.2	1.88
Liverpool.....	63.8	50.9	56.7	52.7	1.80
Parsonstown.....	64.5	48.5	56.0	52.6	2.39
Valencia.....	62.2	51.1	57.2	54.3	9.27
Roche's Point.....	64.5	51.1	56.8	53.6	3.13
Pembroke.....	60.3	51.5	55.2	53.1	1.94
Scilly.....	61.3	53.0	57.3	55.2	1.84
Prawle Point.....	61.5	50.5	56.9	54.6	1.60
Jersey.....	64.6	62.5	58.6	55.8	1.91
Hurst Castle.....	64.2	51.9	57.7	55.6	1.97
Dover.....	63.0	52.5	58.2	54.9	1.50
LONDON.....	69.1	56.6	58.9	54.6	2.11
Oxford.....	66.9	49.5	56.8	53.3	2.21
Cambridge.....	68.6	48.5	58.1	54.7	2.23
Yarmouth.....	62.0	51.1	56.9	54.0	1.88

NOTE.—The Temperature means are for the 20 years 1871-90, the Rainfall means are mainly those for the 25 years 1866-90.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.2 in: and more to 30.0 in: in an anticyclone lying over the Bay of Biscay and France and stretching northwards in a ridge to Scotland.
 Lowest, 29.7 in: and less, in a depression over the Baltic and southeast of Sweden. Several secondary disturbances are found over the North Sea.
 Gradients very slight generally, and mainly favourable for N^W to NW^W winds.
 Barometer rising over our Islands, falling over France and Germany.

TEMPERATURE

Highest, 70° at Perpignan, 65° at Linton, 63° at Lyons.
 Lowest, 44° at Ross, 46° at Christiansund, 47° at Lumburgh H^t, 48° at Stockholm.
 It rose during yesterday to between 60° and 70° over England.

WIND

Light to moderate from N. and NW. over the eastern half of our area, but has backed to the SW^W and S^W in Ireland.
 In France it is moderate, and variable from between NW. and W.

WEATHER

Fine and bright in France, cloudy or overcast at our own stations, and somewhat unsettled generally.
 Showers were very prevalent yesterday except over our southwestern districts; that noticed in London last evening was very sharp locally — about 02 in: falling at Brighton in about seven minutes shortly before 7 pm.

SEA

Moderate at Cape Fin Noy, slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The barometer appears to be now rising over our Islands, chiefly over Great Britain, but no settled weather is likely at present.

FORECASTS

For the 24 hours ending at NOON on 17th JUNE 1891.

DISTRICTS.

FORECASTS.

- 0 SCOTLAND NORTH
- 1 SCOTLAND EAST
- 2 ENGLAND N.E.
- 3 ENGLAND EAST
- 4 MIDLAND COUNTIES
- 5 ENGLAND SOUTH

Varying winds; fair to unsettled and rainy.

NW^W to SW^W winds, fine at first, unsettled and rainy later.

DISTRICTS.

FORECASTS.

- 6 SCOTLAND WEST
- 7 ENGLAND N.W.
- 8 ENGLAND S.W.
- 9 IRELAND NORTH
- 10 IRELAND SOUTH

S^W winds, fair to showery.

S^W and SW^W winds; unsettled, changeable, rainy.

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.

	THER:		WIND		WEA.	SEA		THER:		WIND		WEA.	SEA
	BAR:	D.	W.	D.				BAR:	D.	W.	D.		
Skudesnaes ...	29.78	50	44	NW	6	6	9	Holyhead ...	29.93	57	53	SW	3
Sumburgh Head ...	29.74	52	50	NNW	1	6	2	Valencia ...	30.09	61	57	W	5
Stornoway ...	29.80	53	52	SE	2	2	2	Scilly ...	30.10	60	57	W	4
Aberdeen ...	29.80	54	50	E	1	0	1	Jersey ...	30.12	57	57	W	3
Shields ...	29.80	63	56	N	1	0	2	Dungeness ...	29.97	57	53	W	6
Ardrossan ...	29.85	53	53	SW	2	0	2	London ...	29.95	67	61	W	2
Malin Head ...	29.87	56	54	WNW	3	0	2	Yarmouth ...	29.93	61	56	W	2
Mullaghmore ...	29.93	57	53	W	4	0	2	Rochefort ...	30.09	71	66	NW	3
Belmullet ...	29.95	57	57	W	3	0	*						

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

Weather fine over the greater part of France and southern Europe, as well as in Scandinavia and the east of England. More or less cloudy elsewhere with fog at some of the Channel stations, and rain in the north of our Islands as well as at Riga, Lemberg, and Prague. Showers falling later in all parts of the United Kingdom excepting the extreme south of England, and thunderstorms occurring at many of the English and Irish stations.

Temperature highest 73° at Palma and Jafella, 71° at Lisbon and Barcelona, 70° at Brindisi, and 69° at San Fernando, above 60° over nearly the whole of southern Europe. Lowest, 43° at Christiansund, 44° at Haparanda, 47° at Archangel, Skudesnaes and Vadsø, and 48° over Sweden and the Gulf of Finland, below 50° in the extreme north of Scotland. Rising during day to between 65° and 70° at many of the English stations, to 75° or more in the south of France and to 80° at Lisbon.

Wind light from the Wnd or SWnd over the greater part of the United Kingdom and also in the north of France, but Snd at some of the Scotch stations. Light from NE. in Sweden; strong from NW. in Denmark and the south of Norway, moderate from W. over Germany and Austria, and light from the SEnd over the Baltic Provinces and the Gulf of Finland. Variable over Italy and the greater part of France, light from the End in Spain and from the SEnd at most of the Algerian stations. Subsequently veering to the NWnd in Ireland and shifting to the NEnd in the north and east of Scotland.

Barometer highest, 30.1 in: and upwards, over the greater part of France, Spain, Italy and the Mediterranean as well as in the south of Russia, but below that level in a shallow depression lying off the south of France. Lowest 29.6 in: and less, in a well defined system lying over the south of Sweden; 29.8 in: and less, in a shallow disturbance off the west of Scotland. Another shallow depression forming later off the east and northeast of England.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

* AN ASTERISK is inserted in all places for which information is not usually received.
The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden and Denmark the observations are taken at 8 p.m. (Christiania time).

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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 *Wednesday, 17th June, 1891.*
Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

PUBLISHED BY THE METEOROLOGICAL OFFICE, 55, VICTORIA STREET, LONDON. R. H. SCOTT, Secretary.																		
STATIONS.	YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	BAROM.	TEMP.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 12.)	SHADE TEMP.		Amount of Rainfall.	
	Reading at 32° F. and Sea Level.	Dry.	Dirac.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dirac.	Force. (0 to 12.)			Max.	Min.		
SCANDINAVIA.	Haparanda ...	29.80	53	2	0	c	29.91	+ 0.7	57	48	+ 3	N	4	bc	*	64	37	
	Hernösand ...	29.88	52	N	4	b	29.99	+ 2.5	55	50	+ 5	Z	0	b	*	68	21	
	Stockholm ...	29.84	51	Z	0	0	30.01	+ 3.4	55	49	+ 7	N	2	b	*	59	43	
	Wisby ...	29.83	48	NSW	4	bc	29.94	+ 3.1	48	46	- 3	NNE	4	c	*	57	45	0.43
	Bodö ...	29.99	44	W	2	b	30.03	+ 1.9	47	42	+ 3	NSW	2	b	1	50	39	
	Christiansund	30.02	46	NW	2	b	30.05	+ 1.4	48	46	+ 2	NNW	2	b	1	50	43	
	Skudesnaes ...	30.00	47	NW	7	c	30.12	+ 2.9	51	46	+ 1	NNW	2	c	2	52	41	
	Christiania Fjord (Færdar)	29.91	56	NNW	4	b	30.07	+ 3.1	52	46	+ 3	N	3	b	2	55	49	
	Skagen (The Scaw)	29.93	51	NW	1	bc	30.08	+ 3.5	54	50	+ 2	N	1	b	1	61	46	
	Fanö ...	30.04	47	NW	4	bc	30.15	+ 3.3	53	49	+ 3	NW	4	bc	*	55	45	
BRITISH ISLANDS.	Sumburgh Head	30.04	48	S	1	c	29.94	- 0.5	50	50	+ 3	S	2	r	3	51	44	0.13
	Stornoway ...	30.00	53	SW	3	r	29.89	- 0.9	54	54	+ 2	SW	4	0	4	56	50	0.05
	Wick ...	30.04	50	SE	2	0	29.96	- 0.6	58	54	+ 6	SE	2	0	1	58	48	0.03
	Nairn ...	30.01	59	Z	0	c	29.96	- 0.3	61	59	+ 12	SW	2	c	1	63	48	0.05
	Aberdeen ...	30.08	51	SEE	2	c	30.03	- 0.0	62	57	+ 11	SSW	2	c	1	62	49	0.04
	Leith ...	30.08	57	NNW	1	0	30.09	+ 0.6	60	58	+ 7	NSW	1	om	*	61	52	
	Shields ...	30.12	53	SE	3	0	30.15	+ 1.4	58	55	+ 8	NSW	1	c	2	58	47	
	Spurn Head ...	30.17	54	ESE	3	c	30.23	+ 2.3	61	56	+ 7	SW	3	bc	3	61	50	
	York ...	30.13	61	W	3	c	30.22	+ 2.0	55	52	-	S	1	f	*	63	45	
	Loughborough	30.18	61	W	3	c	30.26	+ 2.0	61	55	+ 5	W	1	cmw	*	67	43	
GERMANY & HOLLAND.	Ardrossan ...	30.10	59	Z	0	bc	30.10	+ 0.6	55	54	0	SW	3	0	8	61	52	
	Malin Head ...	30.08	54	E	1	0	30.05	- 0.1	59	57	+ 6	SSW	4	og	1	62	52	
	Mullaghmore ...	30.10	60	SW	2	og	30.11	+ 0.1	60	59	+ 5	SSW	4	opm	2	63	55	0.01
	Belmullet ...	30.10	57	NSW	2	0	30.08	- 0.0	58	58	+ 2	SW	5	0	*	59	56	0.03
	Donaghadee ...	30.12	63	SW	3	bc	30.17	+ 0.9	62	61	+ 5	W	3	c	1	67	55	
	Liverpool (Bidston)	30.19	61	NNW	1	b	30.24	+ 1.5	59	57	+ 5	SW	2	0	2	61	52	
	Holyhead ...	30.19	57	SW	3	bc	30.23	+ 1.1	54	53	0	SW	4	ogm	3	64	52	0.01
	Parsonstown ...	30.16	64	SW	1	0	30.20	+ 0.5	63	60	+ 6	Z	0	0	*	63	56	
	Valencia ...	30.20	60	S	1	om	30.24	+ 0.6	59	56	+ 2	SW	4	og	4	61	56	
	Roche's Point...	30.20	58	SW	2	f	30.27	+ 0.8	57	56	+ 1	SW	1	f	3	60	55	
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	30.23	55	W	2	bc	30.29	+ 1.1	56	55	+ 2	S	2	f	2	58	53	0.02
	Scilly ...	30.25	60	SW	1	c	30.32	+ 1.2	60	59	+ 2	SW	2	f	4	63	56	
	Prawle Point ...	30.23	61	W	3	b	30.34	+ 2.1	55	54	- 1	SE	1	ogm	0	63	50	
	Jersey (St. Aubin's)	30.26	60	NNW	4	b	30.35	+ 1.8	63	58	+ 5	NNW	2	bm	2	63	49	
	Hurst Castle ...	30.19	61	W	4	bc	30.32	+ 2.0	58	56	- 4	NNW	1	m	1	66	48	
	Dungeness ...	30.16	56	SW	3	0	30.28	+ 2.6	59	57	0	Z	0	m	0	64	49	
	London ...	30.17	67	SEE	1	cm	30.29	+ 2.3	62	57	+ 4	NSW	2	bmw	*	68	48	
	Oxford ...	30.20	62	N	1	bc	30.30	+ 2.1	58	56	+ 2	W	1	b	*	68	47	
	Cambridge ...	30.18	61	NE	1	c	30.28	+ 2.2	62	57	+ 5	SW	1	b	*	65	45	
	Yarmouth ...	30.16	59	NNE	3	b	30.25	+ 2.5	59	55	+ 6	W	2	b	2	59	50	
GERMANY & HOLLAND.	Cuxhaven ...	30.03	50	NNW	4	c	30.18	+ 3.8	51	50	+ 2	NW	3	c	*	55	49	
	Berlin ...	29.99	52	NW	4	c	30.16	+ 3.6	52	48	- 1	NW	4	bc	*	57	46	0.16
	Wiesbaden ...	*	*	*	*	*	30.28	+ 4.3	53	49	- 5	N	2	0	*	64	46	0.04
	Munich ...	30.10	51	W	5	0	30.28	+ 3.8	47	47	- 6	NW	2	0	*	61	46	0.51
	The Helder ...	30.16	52	NW	2	c	30.28	+ 4.1	54	51	+ 2	W	1	bc	1	55	50	
	Brussels (9 a.m.)	*	*	*	*	*	30.32	+ 3.6	55	51	0	Z	0	bc	*	62	41	
	Cape Gris Nez	30.16	57	W	2	0	30.24	+ 2.4	56	55	+ 1	S	1	m	0	64	52	
	Paris ...	30.21	60	NNE	2	b	30.34	+ 2.8	55	53	- 3	SW	1	b	*	69	50	
	Brest ...	?	60	N	2	b	?	?	54	53	?	E	1	m	2	68	50	
	Lorient ...	30.25	63	NNW	3	b	30.35	+ 1.4	52	50	- 4	ENE	1	b	2	63	50	
FRANCE AND BELGIUM.	Rochefort ...	?	64	NNW	5	b	?	?	59	56	+ 1	ENE	4	b	*	66	55	
	Belfort ...	?	59	NSW	3	bc	?	?	59	55	0	?	3	bc	*	65	44	
	Lyons ...	30.14	62	N	3	0	30.26	+ 2.2	56	52	- 7	N	4	b	*	68	41	
	Nice ...	29.83	66	SE	2	bc	30.04	+ 1.2	66	63	+ 7	E	1	bc	0	78	59	
	Perpignan ...	30.07	73	NW	4	b	30.19	+ 1.5	67	56	- 3	NW	3	b	*	78	59	
	Biarritz ...	30.23	64	N	3	b	30.25	+ 0.3	62	57	0	E	2	b	1	72	57	
	Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lisbon ...	29.95	79	NNW	4	b	29.95	- 0.8	76	61	+ 7	NE	4	b	2	86	67	
	PERIN- SULA.																	

For Explanation of Columns, see bottom of p. 4.

† Received too late for insertion in Charts on p. 2.

WEATHER CHARTS

for 8 a.m. on Wednesday, 17th June, 1891.

BAROMETER, WIND AND SEA.

EXPLANATION OF MAP

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

Changes since previous morning are stated in words.

WIND—Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to forces thus

→ forces above 10; → forces 8 to 10;
→ forces 5 to 7; → forces 1 to 4.
= Dead calm.

SEA DISTURBANCE—Where considerable, is shown thus:

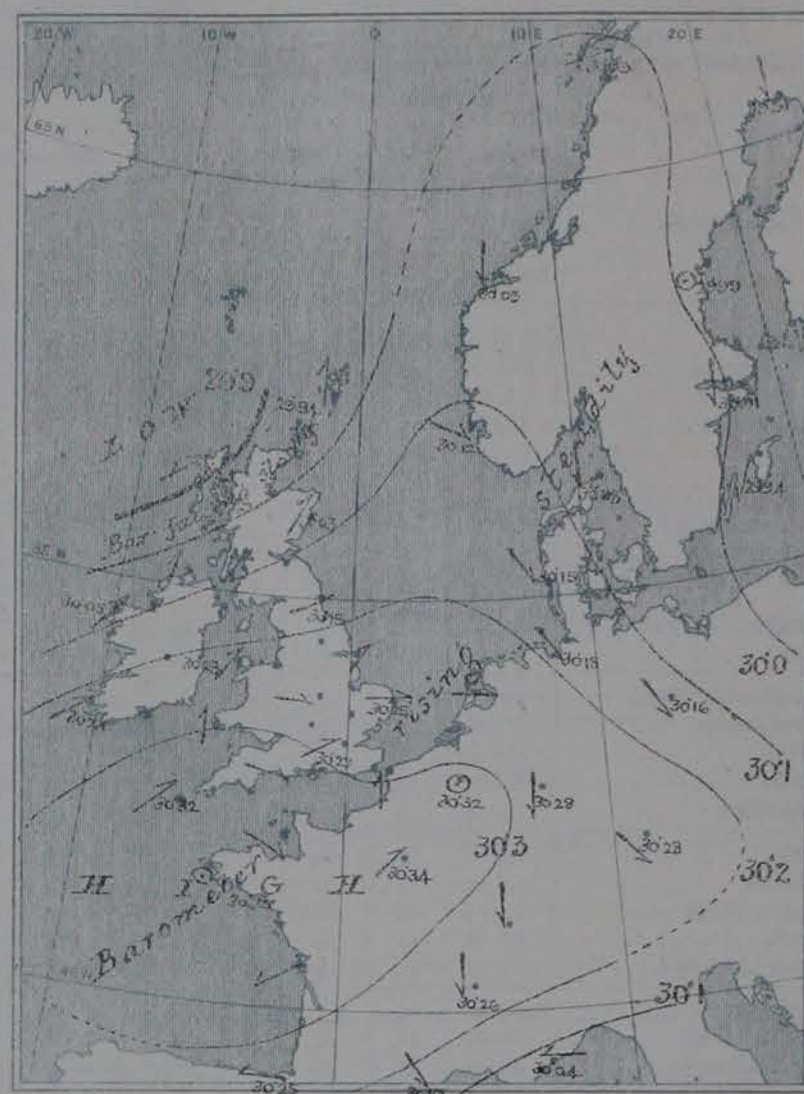
▨ = Rough. ▨ = High.

MEAN HEIGHT OF THE BAROMETER

at 8.0 a.m. for the month of June

During the 20 Years: 1871—1890.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.883
Stornoway	29.876
Wick	29.898
Nairn	29.904
Aberdeen	29.916
Leith	29.930
Shields	29.948
Spurn Head	29.964
York	29.969
Loughborough	29.980
Ardrossan	29.982
Mullaghmore	29.986
Donaghadee	29.946
Holyhead	29.986
Liverpool	29.966
Parsonstown	29.972
Valencia	29.973
Roche's Point	29.973
Pembroke	29.974
Sally	29.995
Prawle Point	30.067
Jersey	30.010
Hurst Castle	29.998
Dover	29.982
LONDON	29.992
Oxford	29.986
Cambridge	29.985
Yarmouth	29.977



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.3 in. and more to 30.2 in. over France, the Bay of Biscay, and the southern half of our Islands.
 Lowest, 29.9 in. and less off the extreme northwest of Scotland; 30.0 in. and less over the southern parts of the Spanish Peninsula.
 Gradient slight. Barometer still falling a little in the northwest and north, steady over England, rising on the eastern shores of the North Sea.

TEMPERATURE

Highest, 76° at Dover, 66° at Kew, 62° at Brixton, in London, at Donaghadee and Aberdeen.
 Lowest, (1) 47° at Bodo, 48° at Murly and Chetivand, 50° at Lumburg, H. (2) 47° at Munich, 52° at Berlin, 53° at Wiesbaden.
 It rose to between 60° and 68° in many parts of our Islands and France yesterday, to 70° or more in the extreme south of France, and to 86° at Lisbon.

WIND

SW over the western and northern parts of our Islands; W and Variable in the south; NW on the eastern shores of the North Sea.
 N to NE over southern Europe; E over the Bay of Biscay.

WEATHER

Fine and bright over France, and the eastern and midland parts of England; cloudy or overcast elsewhere, with showers at some northwestern and northern stations and much fog over our southern coasts.
 A little rain has fallen in the extreme northwest and north as well as over Germany. In London the clouds were heavy last evening, but no rain fell.

SEA

Moderate on our southeastern coasts and in the Minch, slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The southerly wind will probably freshen a little in the west and north, with some showers, but fine warm weather is probable for England generally.

FORECASTS

For the 24 hours ending at NOON on 18th June 1891.

DISTRICTS.

FORECASTS.

- | | | |
|---|------------------|---|
| 0 | SCOTLAND NORTH | SW ^{ly} winds, freshening; rain at times |
| 1 | SCOTLAND EAST | |
| 2 | ENGLAND N.E. | SW ^{ly} breezes, light to moderate; some showers, but fair as a whole. |
| 3 | ENGLAND EAST | |
| 4 | MIDLAND COUNTIES | SW ^{ly} breezes, light; fine, warm. |
| 5 | ENGLAND SOUTH | |

DISTRICTS.

FORECASTS.

- | | | |
|----|---------------|---|
| 6 | SCOTLAND WEST | SW ^{ly} breezes, moderate; some showers. |
| 7 | ENGLAND N.W. | |
| 8 | ENGLAND S.W. | Same as Nos 1 and 2 |
| 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:		WIND		WEA.	SEA		BAR:	THER:		WIND		WEA.	SEA
		D.	W.	D.	F.					D.	W.	D.	F.		
Skudeanaes ...	29.94	51	45	NW	7	b	3	Holyhead ...	30.19	59	54	W	3	c q	2
Sumburgh Head ...	30.05	51	47	S	1	bc	2	Valencia ...	30.20	60	59	SW	2	o m 2	3
Stornoway ...	30.00	56	54	SW	2	0	2	Seilly ...	30.25	62	59	SW	2	0	4
Aberdeen ...	30.08	51	46	SSE	2	c	2	Jersey ...	30.25	62	57	NW	3	bm	3
Shields ...	30.10	53	50	E	2	c	2	Dungeness ...	30.13	60	57	ESE	3	c	2
Ardrossan ...	30.10	60	56	W	1	0	1	London ...	30.15	65	58	W	2	0	*
Malin Head ...	30.09	58	53	W	1	0	1	Yarmouth ...	30.12	57	53	NNE	3	6	3
Mullaghmore ...	30.10	63	58	SSW	2	0	2	Rocheport ...	30.21	66	61	NW	5	6	*
Belmullet ...	30.09	58	58	SW	2	0	*								

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

Weather fine and bright over Spain, France, and the south of our Islands, as well as in Scandinavia, and the southern parts of Russia and Italy. Dull in most other localities, with rain in some parts of Finland, Poland, and Germany. Sky, clearing later over England, but slight rain falling at our extreme northern and some of our western stations.

Temperature highest 73° at Lefalle and Tunis, 72° at Barcelona, 71° at San Fernando and 70° at Perpignan; above 60° over southern Europe and the Mediterranean generally. Lowest 44° at Bodo, 46° at Christiania, 47° at Hamburg, 48° at Stockholm and 49° at Vaerder and Naum; below 55° in the north and east of our Islands generally. Rising during day to between 65° and 70° at many of the English and Irish stations, to 75° or more in the south of France and to 86° at Lisbon.

Wind light from the N^W or NW^W over the greater part of western Europe, but SW¹ or S¹ in the extreme west and northwest of our Islands. W¹ or SW¹ over Germany and Austria; S¹ or SE¹ in Russia and also Italy; N¹ in Algeria; variable in Spain. Subsequently backing to the SW² in most parts of the United Kingdom.

Barometer highest 30.2 ins. and upwards, in an anticyclone lying over the Bay of Biscay and its immediate neighbourhood; 30.1 ins. and upwards in another system over Russia. Lowest 29.7 ins. and less, in a shallow depression lying over the northern part of the Baltic; another shallow disturbance apparently travelling along in a northeasterly direction outside our extreme northwest coasts. Anticyclone over Bay of Biscay, subsequently spreading northwards, and barometer rising in nearly all parts of western Europe.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—Beaufort Scale is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.
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	BAROM.	TEMP.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 9.)	SHADE TEMP.		Amount of Rainfall.	
	Reading at 32° F. and Sea Level.	Dry.	Direc.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Direc.	Force. (0 to 12.)			Max.	Min.		
SCANDINAVIA.	Haparanda ...	30.05	52	W	2	b	30.07	+16	52	46	-5	SW	4	b	*	70	46	-
	Hernösand ...	30.13	53	Z	0	b	30.06	+07	56	50	+1	S	6	b	*	75	45	-
	Stockholm ...	30.15	54	Z	0	b	30.16	+15	68	55	+8	SE	2	b	*	64	45	-
	Wishby ...	30.09	46	W	4	b	30.13	+19	53	49	+5	N	4	b	*	54	43	-
	Bodö ...	30.00	47	W	1	b	29.78	-25	51	47	+4	Z	0	0	1	52	43	-
	Christiansund	29.93	50	N	1	Y	29.91	-14	53	51	+7	SW	5	C	3	55	48	0.12
	Skudesnaes ...	30.12	50	SSW	6	0	30.07	-05	50	50	-1	S	4	Y	4	52	48	0.12
	Christiania Fjord (Færder)	30.16	59	SSW	3	b	30.12	+05	54	52	+2	SSW	4	Y	3	59	52	-
	Skagen (The Scaw)	30.19	53	NW	1	0	30.18	+10	54	50	0	SW	1	0	1	64	48	-
	Fanö ...	30.25	49	Z	0	b	30.22	+07	55	54	+2	SSW	2	0	*	55	48	-
BRITISH ISLANDS.	Sumburgh Head	29.86	53	W	4	Y	29.98	+04	50	50	0	W	2	f	4	55	48	0.39
	Stornoway ...	29.93	58	SW	4	0	30.01	+12	55	55	+1	Z	0	0	5	58	50	0.10
	Wick ...	30.01	59	W	2	0	30.07	+11	57	55	-1	W	1	d	1	67	48	0.22
	Nairn ...	29.97	61	SW	4	C	30.04	+08	57	57	+4	SW	1	0	1	68	55	0.03
	Aberdeen ...	30.03	64	SW	3	C	30.08	+05	60	56	-2	SSW	2	Cm	1	70	54	-
	Leith ...	30.10	67	W	3	C	30.14	+05	63	58	+3	SW	2	Cm	*	70	59	-
	Shields ...	30.17	66	SW	3	0	30.21	+06	63	60	+5	E	2	0	2	67	54	-
	Spurn Head ...	30.23	64	WSW	2	Cm	30.27	+04	60	58	-1	W	2	Cm	2	67	55	-
	York ...	30.24	65	W	1	0	30.28	+06	63	59	+8	W	3	b	*	69	52	-
	Loughborough	30.27	69	WSW	3	C	30.32	+06	65	60	+4	WSW	2	Cm	*	73	53	-
GERMANY & HOLLAND.	Ardrossan ...	30.13	56	SW	2	0	30.17	+07	55	53	0	SSW	2	0	3	57	53	-
	Malin Head ...	30.10	58	SW	3	0	30.12	+07	58	56	-1	SW	5	0	3	62	56	-
	Mullaghmore ...	30.16	59	WSW	4	0	30.17	+06	59	54	-1	SSW	5	0	3	63	57	-
	Belmullet ...	30.14	57	SSW	5	0	30.17	+09	57	57	-1	WSW	3	0	*	59	56	-
	Donaghadee ...	30.17	68	W	2	0	30.23	+06	61	58	-1	W	3	C	1	70	60	-
	Liverpool (Bidston)	30.26	65	SW	3	0	30.29	+05	62	58	+3	WSW	1	C	2	69	56	-
	Holyhead ...	30.25	55	SW	4	f	30.29	+06	55	55	+1	SW	3	f	3	60	51	-
	Parsonstown ...	30.21	68	Z	0	C	30.28	+08	60	56	-3	Z	0	0	*	71	54	-
	Valencia ...	30.25	60	WSW	4	0	30.28	+04	60	54	+1	SSW	3	0	4	62	54	-
	Roche's Point...	30.28	58	SW	2	C	30.31	+04	57	55	0	SW	2	0	3	65	55	-
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	30.33	56	SW	2	f	30.35	+06	57	56	+1	WSW	2	C	2	57	54	-
	Scilly ...	30.34	61	SW	1	C	30.33	+01	60	58	0	ESE	2	C	4	66	57	-
	Prawle Point ...	30.36	57	W	1	m	30.36	+02	56	56	+1	E	1	f	0	59	54	-
	Jersey (St. Aubin's)	30.36	63	NW	4	bm	30.35	00	67	60	+4	N	2	bm	2	67	54	-
	Hurst Castle ...	30.33	60	WSW	5	m	30.35	+03	63	60	+5	WSW	1	m	0	68	52	-
	Dungeness ...	30.30	58	SW	4	b	30.32	+04	56	54	-3	SW	3	b	2	62	54	-
	London ...	30.28	73	WSW	1	bm	30.34	+05	64	61	+2	WSW	1	bm	*	76	55	-
	Oxford ...	30.31	66	WSW	2	b	30.34	+04	60	58	+2	WSW	1	b	*	73	53	-
	Cambridge ...	30.30	71	SW	1	C	30.32	+04	67	64	+5	SW	1	C	*	75	54	-
	Yarmouth ...	30.26	63	W	1	bm	30.30	+05	67	62	+8	WSW	2	b	2	71	56	-
GERMANY & HOLLAND.	Cuxhaven ...	30.29	51	NW	2	b	30.29	+11	52	51	+1	S	2	f	*	56	51	-
	Berlin ...	30.26	57	NW	3	b	30.30	+14	57	51	+5	NW	3	C	*	63	46	-
	Wiesbaden ...	*	*	*	*	*	30.36	+08	57	53	+4	Z	0	0	*	64	53	-
	Munich ...	30.35	54	NE	1	b	30.37	+09	54	50	+7	W	2	b	*	59	43	0.04
	The Helder ...	30.32	57	SW	1	C	30.30	+02	57	56	+3	SW	1	0	1	61	54	-
	Brussels (9 a.m.)	*	*	*	*	*	30.35	+03	60	57	+5	WSW	2	C	*	69	53	-
	Cape Gris Nez	30.32	57	SW	3	0	30.32	+08	57	56	+1	SW	3	m	3	66	52	-
	Paris ...	30.33	68	NNE	1	b	30.37	+03	58	56	+3	NNE	1	b	*	73	50	-
	Brest ...	?	67	N	3	b	?	?	59	57	+5	E	2	b	2	70	52	-
	Lorient ...	30.32	67	WSW	1	b	30.30	-05	59	56	+7	E	2	b	2	68	52	-
FRANCE AND BELGIUM.	Rochefort ...	?	74	ESE	3	b	?	?	62	57	+3	E	5	b	*	86	54	-
	Belfort ...	?	65	NE	3	bo	?	?	59	54	0	NE	4	bo	*	69	46	-
	Lyons ...	30.24	65	N	4	b	30.27	+01	57	51	+1	N	2	b	*	69	53	-
	Nice ...	30.08	68	SSW	2	b	30.18	+14	67	55	+1	E	4	b	3	75	59	-
	Perpignan ...	30.13	76	W	2	b	30.19	00	69	61	+2	N	2	b	*	79	54	-
	Biarritz ...	30.18	69	ESE	3	bo	30.14	-11	61	58	-1	E	1	b	1	77	59	-
	Corunna ...	*	*	*	*	*	29.98	+03	73	64	-3	ESE	2	b	2	90	68	-
PENINSULA.	Lisbon ...	29.94	80	WSW	3	b	29.98	+03	73	64	-3	ESE	2	b	2	90	68	-

for 8 a.m. on Thursday, 18th June, 1891.



EXPLANATION OF MAP

Changes since previous morning are stated in words.

their barbs and feathers refer to force thus

$\Rightarrow \Rightarrow$ = forces above 10; $\Rightarrow \Rightarrow$ = forces 8 to 10.

$$\longrightarrow = \text{forces } 5 \text{ to } 7; \longrightarrow = \text{forces } 1 \text{ to } 4.$$

 = Rough,  = High

at 8.0 a.m. for the month of June

During the 20 Years: 1871—1890.

A hand-drawn weather map of Europe and the North Atlantic, showing isobars, wind directions, and weather conditions. The map includes latitude and longitude lines. Key features include a low-pressure system (LOW) over the North Atlantic with a "Barometer falling" label and a "slimy" weather condition. A high-pressure system (HIGH) is located over the British Isles with a "Barometer rising" label and a "slimy" weather condition. A large oval area over the North Atlantic is labeled "H G H" and contains a "Barometer rising" label. Wind directions are indicated by arrows, and various barometric pressure readings are scattered across the map.

TEMPERATURE—Isotherms are drawn for each 10°. Changes since previous morning are stated in words.

WEATHER is shown by Letters of the Beaufort Scale.

RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0·5 in. or more are quoted in figures.

AND RAINFALL.

(For the month of June.)

20°W 10°W 0 10°E 20°E

55°N 60°N

SLIGHTLY COLDER

RAIN has fallen

PLACES

IN

RATH

57°f, 56°f, 55°f, 54°f, 53°f, 52°f, 51°f, 50°f, 49°f, 48°f, 47°f, 46°f, 45°f, 44°f, 43°f, 42°f, 41°f, 40°f, 39°f, 38°f, 37°f, 36°f, 35°f, 34°f, 33°f, 32°f, 31°f, 30°f, 29°f, 28°f, 27°f, 26°f, 25°f, 24°f, 23°f, 22°f, 21°f, 20°f, 19°f, 18°f, 17°f, 16°f, 15°f, 14°f, 13°f, 12°f, 11°f, 10°f, 9°f, 8°f, 7°f, 6°f, 5°f, 4°f, 3°f, 2°f, 1°f, 0°f, -1°f, -2°f, -3°f, -4°f, -5°f, -6°f, -7°f, -8°f, -9°f, -10°f, -11°f, -12°f, -13°f, -14°f, -15°f, -16°f, -17°f, -18°f, -19°f, -20°f, -21°f, -22°f, -23°f, -24°f, -25°f, -26°f, -27°f, -28°f, -29°f, -30°f, -31°f, -32°f, -33°f, -34°f, -35°f, -36°f, -37°f, -38°f, -39°f, -40°f, -41°f, -42°f, -43°f, -44°f, -45°f, -46°f, -47°f, -48°f, -49°f, -50°f, -51°f, -52°f, -53°f, -54°f, -55°f, -56°f, -57°f, -58°f, -59°f, -60°f, -61°f, -62°f, -63°f, -64°f, -65°f, -66°f, -67°f, -68°f, -69°f, -70°f, -71°f, -72°f, -73°f, -74°f, -75°f, -76°f, -77°f, -78°f, -79°f, -80°f, -81°f, -82°f, -83°f, -84°f, -85°f, -86°f, -87°f, -88°f, -89°f, -90°f, -91°f, -92°f, -93°f, -94°f, -95°f, -96°f, -97°f, -98°f, -99°f, -100°f

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.3 ins. and upwards, over Germany, the north of France, and the southern parts of England.

Lowest, 29.8 ins. and less, in a depression lying off the northwest of Norway; 30.0 ins. and less, in the south of Portugal.

Gradients slight. Barometer falling in the southwest of England and the west of France, as well as in Scandinavia and Denmark, but rising elsewhere.

TEMPERATURE

Highest, 73° at Fife, 69° at Perpignan, 67° at Cambridge, Yarmouth, Jersey, and Nice, and 65° at Loughborough.

Lowest, 50° at Rhodéz and Sumburg Ht., 51° at Oslo, 52° at Haparanda and Copenhagen, and 53° at Västby.

During yesterday the thermometer rose to 73° at Loughborough and Oxford, 75° at Cambridge, and 76° in London.

WIND

SW^{ly} over our Islands, Scandinavia, Denmark, and the Netherlands; light in force generally, but fresh in the north of Ireland and at some of the Scandinavian stations.

Light from the End in France; variable in Germany.

WEATHER

Fair or fine over the greater part of Western Europe, but dull in the extreme north and northwest of our Islands, and rainy in the south of Norway.

Rain fell yesterday in the north of Scotland, and a thick fog prevailed in London early this morning.

SEA

Slight or smooth generally.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

There are no indications of any very decided change in the weather, but the anticyclone is apparently moving slowly northwards, so that the wind is likely to shift to the Eastward on our south and southwest coasts.

FORECASTS

For the 24 hours ending at NOON on 19th June 1891.

DISTRICTS.

FORECASTS.

- 0 SCOTLAND NORTH
- 1 SCOTLAND EAST
- 2 ENGLAND N.E.
- 3 ENGLAND EAST
- 4 MIDLAND COUNTIES
- 5 ENGLAND SOUTH

SW^{ly} winds, light or moderate; cloudy, rain locally.

SW^{ly} winds, light; fair generally.

SW^{ly} to Variable breezes; fair, warm.

DISTRICTS.

FORECASTS.

- 6 SCOTLAND WEST
- 7 ENGLAND N.W.
- 8 ENGLAND S.W.
- 9 IRELAND NORTH
- 10 IRELAND SOUTH

Same as Nos 1 and 2.

E^{ly} and SE^{ly} winds, light or moderate; fair generally.

Same as No 1 and 2.

S^{ly} to SE^{ly} winds, light; fair generally.

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:		WIND		WEA.	SEA		BAR:	THER:	W.	WIND		WEA.	SEA
		D.	W.	D.	F.							D.	F.		
Skudesnaes ...	30.15	51	47	S	14	0	2		Holyhead ...	30.25	58	57	SW	4	ogm
Sumburgh Head ...	29.88	51	51	SSW	2	0	3		Valencia ...	30.26	61	58	SSW	5	0
Stornoway ...	29.90	58	58	N	4	7	4		Scilly ...	30.32	64	61	SW	3	0
Aberdeen ...	30.03	65	59	SSW	3	0	2		Jersey ...	30.37	63	58	"	3	bm
Shields ...	30.17	65	60	SW	3	0	2		Dungeness ...	30.30	61	58	SW	3	bc
Ardrossan ...	30.13	56	55	SW	3	0	2		London ...	30.28	73	64	WSW	1	bm
Malin Head ...	30.09	59	56	WSW	4	0	2		Yarmouth ...	30.26	70	62	WSW	2	b
Mallaghmore ...	30.15	59	56	WSW	2	0	2		Rocheport ...		83	69	ENE	3	b
Belmullet ...	30.11	59	58	SW	4	0	*								

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

Weather in morning fine and bright over nearly the whole of northwestern and western Europe, as well as over the Mediterranean; dull in the west and north of our Islands, with fog in many places, and rain in others, dull over Central Europe also, with rain at Lemberg and Cracow. Rain later in the north of Scotland and some parts of Norway, and a small quantity at Munich.

Temperature rising over the British Islands and Norway, falling over central Europe. Morning readings exceeding 70° at Constantinople, at some of the Mediterranean stations and on the Portuguese coast, exceeding 60° over southern and southeastern Europe generally and in several parts of the British Islands, lower elsewhere. Below 50° in the north of Norway and the Baltic Provinces, and as low as 47° at Munich, 49° at Münster and Breslau, 50° at Warsaw and Cracow, and also at Sumburgh Hd. Rising to between 70° and 76° over Great Britain and some parts of Ireland later, to nearly 80° in the south of France, and to 90° at Lisbon.

Wind light to moderate generally, SW³ over the British Islands, N³ over Scandinavia and also over the southern half of France, NW¹ to W¹ over Germany and Austria, NE³ over Spain, and E³ over the Bay of Biscay. Inclined to freshen slightly from SW. in the northwest of our Islands later, and from NE³ in the southwest of France.

Barometer highest 30.3 in. and more to 30.1 in. in an anticyclone covering the greater part of Western Europe and neighbouring parts of the Atlantic, and 30.2 in. and more to 30.0 in. over the southern half of Russia. Lowest 29.9 in. and less in an elongated depression over Galicia and Western Russia and in another over the northwest of Ireland. Falling somewhat both in Spain and the extreme north of our Islands 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.
The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden and Denmark the observations are taken at 8 p.m. (Christiania time).

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 *Friday, 19th June,* 1891.
 Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

R. H. SCOTT, Secretary.																	
OFFICE OF THE SECRETARY OF THE NAVY, WHITE HALL, LONDON.																	
YESTERDAY EVENING.																	
8 A.M. TO DAY.																	
PAST 24 HOURS.																	
STATIONS.																	
BAROMETER.																	
SHADE TEMP.																	
WIND.																	
SHADE TEMP.																	
Amount of Rainfall.																	
SCANDINAVIA.																	
Haparanda ...																	
Hernösand ...																	
Stockholm ...																	
Wisby ...																	
Bodö ...																	
Christiansund																	
Skudesnaes ...																	
Christiania Fjord																	
(Færd)																	
Skagen (The Scaw)																	
Fanö ...																	
Sumburgh Head																	
Stornoway ...																	
Wick ...																	
Nairn ...																	
Aberdeen ...																	
Leith ...																	
Shields ...																	
Spurn Head ...																	
York ...																	
Loughborough																	
Ardrossan ...																	
Malin Head ...																	
Mullaghmore ...																	
Belmullet ...																	
Donaghadee ...																	
Liverpool (Bidston)																	
Holyhead ...																	
Parsonstown ...																	
Valencia ...																	
Roche's Point...																	
Pembroke (St. Ann's Hd.)																	
Scilly ...																	
Prawle Point ...																	
Jersey (St. Aubin's)																	
Hurst Castle ...																	
Dungeness ...																	
London ...																	
Oxford ...																	
Cambridge ...																	
Yarmouth ...																	
Cuxhaven ...																	
Berlin ...																	
Wiesbaden ...																	
Munich ...																	
The Helder ...																	
Brussels (9 a.m.)																	
Cape Gris Nez																	
Paris ...																	
Brest ...																	
Lorient ...																	
Rochefort ...																	
Belfort ...																	
Lyons ...																	
Nice ...																	
Perpignan ...																	
Biarritz ...																	
Corunna ...																	
Lisbon ...																	

For Explanation of Columns, see bottom of p. 4.

† Received too late for insertion in Charts on p. 2.

WEATHER CHARTS

for 8 a.m. on Friday, 19th June, 1891.

BAROMETER, WIND AND SEA.

EXPLANATION OF MAP

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

Changes since previous morning are stated in words.

WIND—Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force thus—

— forces above 10; — forces 8 to 10;
— forces 5 to 7; — forces 1 to 4;
— dead calm.

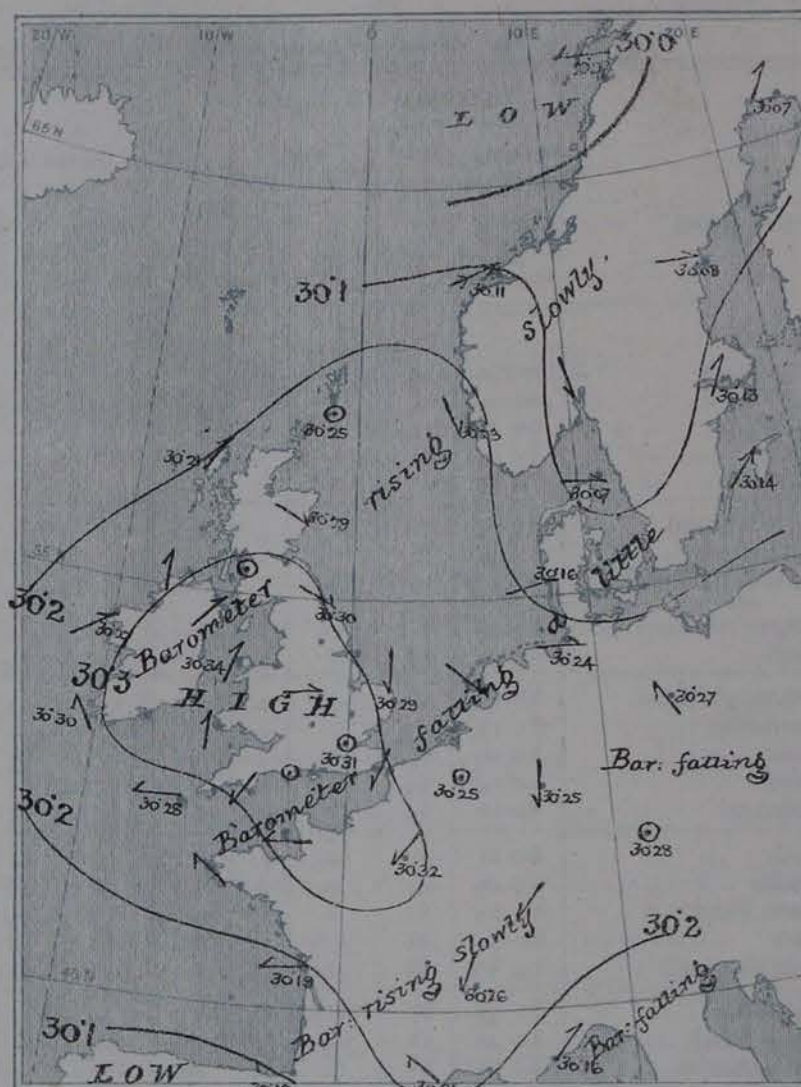
SEA DISTURBANCE—Where considerable, is shown thus:

— = Rough. — = High.

MEAN HEIGHT OF THE BAROMETER

at 8.0 a.m. for the month of June
During the 20 Years: 1871—1890.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.883
Stornoway	29.876
Wick	29.898
Nairn	29.904
Aberdeen	29.916
Leith	29.930
Shields	29.948
Spurn Head	29.964
York	29.969
Loughborough	29.980
Ardrossan	29.932
Mullaghmore	29.936
Donaghadee	29.946
Holyhead	29.966
Liverpool	29.966
Parsonstown	29.972
Valencia	29.975
Rochie's Point	29.973
Pembroke	29.974
Seilly	29.996
Prawle Point	30.067
Jersey	30.010
Hurst Castle	29.998
Dover	29.982
LONDON	29.992
Oxford	29.986
Cambridge	29.985
Yarmouth	29.977



TEMPERATURE, & WEATHER AT 8 A.M., WITH RAINFALL IN PAST 24 HOURS.

TEMPERATURE—Isotherms are drawn for each 10°. Changes since previous morning are stated in words.

WEATHER—is shown by Letters of the Beaufort Scale.

RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL. (For the month of June.)

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily	Daily	at 8 a.m.		
	Max.	Min.	Dry.	Wet.	
Sumburgh Head.....	54.6	45.0	50.3	48.6	1.98
Stornoway	58.0	46.9	53.3	51.1	2.85
Wick.....	58.9	45.5	53.3	50.7	1.74
Nairn.....	62.2	47.8	54.8	50.6	1.70
Aberdeen.....	61.2	47.2	54.8	50.8	1.77
Leith.....	63.9	47.9	55.9	52.3	1.80
Shields.....	60.3	48.7	54.8	51.7	1.71
Spurn Head.....	60.4	51.4	55.3	52.8	1.51
York.....	66.1	48.4	56.2	52.7	2.17
Loughborough.....	68.6	49.0	57.8	53.9	2.22
Ardrossan.....	62.9	49.5	56.1	52.1	2.49
Mullaghmore.....	61.1	51.4	54.9	52.0	2.79
Donaghadee.....	61.2	49.3	55.0	52.8	1.92
Holyhead.....	61.6	51.5	55.7	53.2	1.98
Liverpool.....	63.8	50.9	56.7	52.7	1.89
Parsonstown.....	64.5	48.5	56.0	52.6	1.39
Valencia.....	62.2	51.1	57.2	54.3	3.27
Rochie's Point.....	64.5	51.1	56.8	53.6	3.13
Pembroke.....	60.3	51.5	55.2	53.1	1.94
Seilly.....	61.3	53.0	57.3	55.2	1.84
Prawle Point.....	61.5	50.5	56.9	54.6	1.60
Jersey.....	64.6	52.5	58.6	55.8	1.91
Hurst Castle.....	64.2	51.9	57.7	55.6	1.97
Dover.....	63.0	52.5	58.2	54.9	1.59
LONDON.....	69.1	56.6	58.9	54.6	2.11
Oxford.....	66.9	49.5	56.8	53.3	2.21
Cambridge.....	65.6	48.5	58.1	54.7	2.23
Yarmouth.....	62.0	51.1	56.9	54.0	1.88

NOTE.—The Temperature means are for the 20 years 1871-90, the Rainfall means are mainly those for the 25 years 1866-90.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.3 ins. and more to 30.2 ins. over the British Islands, North Sea, France, and Germany.
 Lowest, 30.0 ins. and less, over the west of Lapland; 30.1 ins. and less, over the Spanish Peninsula.
 Gradients slight. Barometer still rising in the north and northwest, steady in London.

TEMPERATURE

Highest, 72° in London, 71° at Brussels, 68° at Jersey and Dungeness, 67° at Oxford, 66° in London, 62° at Paris.
 Lowest, (1) 50° at Christiansund, 51° at Lumburg Ht., 53° at Vicks; (2) 43° at Munich.
 It rose to between 70° and 76° over England and the northeast of Ireland yesterday to 73° at Paris, to 84° at Bordeaux and Biarritz, and to 80° at Rochefort.

WIND

Moderate E³ over the Bay of Biscay; light and variable from the S² over the west of our Islands; W³ and NW³ over the North Sea; N³ over the eastern parts of England and France. The circulation is therefore completely anticyclonic.

WEATHER

Fine and bright over France and the greater part of our Islands and Scandinavia, but dull on our extreme northern coasts, and hazy in several places — foggy at Rochefort. In South Germany it is dull, and at Munich rain is falling. Rain has fallen at our most northern stations and in Norway.

SEA

Moderate in the southwest, slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

No important change is indicated.

FORECASTS

For the 24 hours ending at NOON on 20th June 1891.

DISTRICTS.

FORECASTS.

- | | | |
|---|------------------|--|
| 0 | SCOTLAND NORTH | SW ² and S ² winds, light; cloudy, some showers. |
| 1 | SCOTLAND EAST | |
| 2 | ENGLAND N.E. | Varying W ² airs; fair generally. |
| 3 | ENGLAND EAST | |
| 4 | MIDLAND COUNTIES | Light Variable airs or calm; fine generally, hazy at times; warm. |
| 5 | ENGLAND SOUTH | |

DISTRICTS.

FORECASTS.

- | | | |
|----|---------------|---|
| 6 | SCOTLAND WEST | Same as No. 0. |
| 7 | ENGLAND N.W. | |
| 8 | ENGLAND S.W. | E ² breezes, light; fine, hazy. |
| 9 | IRELAND NORTH | Varying S ² breezes, light; some showers in western parts, fine in east. |
| 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:		WIND		WEA.	SEA		BAR:	THER:		WIND		WEA.	SEA
		D.	W.	D.	F.					D.	W.	D.	F.		
Skudeanaes ...	30.11	51	50	S	2	r	4		Holyhead ...	30.30	50	56	SW	3	cm
Sumburgh Head ...	30.06	50	50	W	2	f	4		Valencia ...	30.29	62	58	SE	4	b v
Stornoway ...	30.04	59	58	W	2	0	2		Scilly ...	30.31	63	59	SE	3	b
Aberdeen ...	30.11	67	59	SW	3	0	1		Jersey ...	30.33	74	64	SE	2	b m
Shields ...	30.22	69	61	SW	3	0	2		Dungeness ...	30.31	62	59	W	3	b
Ardrossan ...	30.21	56	55	S	2	0	2		London ...	30.30	75	68	W	1	b m
Malin Head ...	30.19	59	57	W	3	0	3		Yarmouth ...	30.29	73	65	W	1	b
Mullaghmore ...	30.23	60	58	SW	2	0	2		Rochefort ...	?	83	68	E	5	b
Belmullet ...	30.30	59	56	SW	3	0	*								

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

Weather fine over the greater part of western and northern Europe, but dull in the extreme north and northwest of our Islands and rainy in the south of Norway. Dull also at several of the Russian, Danish, and German stations, with rain at Higa, Neufahrwasser and Demberg. Rain falling later in the north of Scotland, but no important change occurring elsewhere.

Temperature highest 78° at Palma, 75° at Genoa, 74° at Barcelona, 73° at Lisbon, and 71° at San Fernando and Oren; above 65° in most parts of southern and eastern Europe, as well as at some of the inland English stations. Lowest 47° at Mirel, 48° at Neufahrwasser and 50° at Skudeanaes, Sumburgh H^d and Warsaw; below 65° in most parts of Scandinavia, Denmark and Germany. Rising during day to 70° or more at many of the English and Irish stations, and reaching 78° in London. Exceeding 80° in the west and south of France.

Wind light or moderate from the SWrd over the greater part of our Islands, and also in Scandinavia and Denmark, but variable at the Channel stations. E³ or NE³ over France and southern Europe, but NW³ over the central part of the Mediterranean. Light and variable over Russia, Germany, and Austria. No important change occurring during day.

Barometer highest 30.3 in: and upwards, in an anticyclone extending from Germany across the Netherlands, the north of France, and the south of our Islands, and also in another system lying over Central Russia. Lowest 29.8 in: and less, in a depression lying off the northwest of Norway; 29.9 in: and less, in another system lying to the southward of Italy. Light fall of barometer taking place over France and the south of our Islands during day, but no decided change occurring in general distribution of pressure.

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.
The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden and Denmark the observations are taken at 8 p.m. (Christiania time).

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 *Saturday, 20th June, 1891.*
Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

Published by the Meteorological Office, 65, Victoria Street, London. R. H. SCOTT, Secretary.

STATIONS.	YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	BAROM.	TEMP.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea (0 to 6).	SHADE TEMP.		Amount of Rainfall.	
	Reading at 32° F. and Sea Level.	Dry.	Direc.	Force. (0 to 12).		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Direc.	Force. (0 to 12).			Max.	Min.		
SCANDINAVIA.	Haparanda ...	30.23	49	Z	0	0	30.38	+ 31	52	50	- 1	Z	0	c	*	59	43	-
	Hernösand ...	30.23	55	SSW	4	b	30.38	+ 30	61	54	+ 1	NNE	2	b	*	73	39	-
	Stockholm ...	30.25	53	S	2	c	30.39	+ 26	64	57	+ 5	SW	2	c	*	66	50	-
	Wibby ...	30.21	51	SSW	4	b	30.29	+ 15	61	53	+ 3	ESE	2	c	*	64	48	-
	Bodö ...	30.24	51	NNW	1	b	30.36	+ 39	52	48	- 5	Z	0	b	0	57	45	-
	Christiansund	30.30	49	MSW	6	f	30.38	+ 27	51	49	+ 1	Z	0	f	3	52	46	-
	Skudesnaes ...	30.25	52	NNW	8	b	30.33	+ 10	58	54	+ 6	NNW	4	o	2	52	46	-
	Christiania Fjord (Færdar)																	
	Skagen (The Scaw)	30.17	58	Z	0	m	30.33	+ 26	58	55	0	SSE	1	c	2	70	55	-
	Fanö ...	30.16	52	NW	4	b	30.28	+ 09	57	56	+ 1	E	2	T	*	63	50	-
BRITISH ISLANDS.	Sumburgh Head	30.32	52	Z	0	o	30.34	+ 09	52	51	+ 1	W	2	c	3	56	49	0.01
	Stornoway ...	30.25	58	SW	4	bc	30.32	+ 11	59	57	+ 4	S	2	bc	2	59	47	-
	Wick ...	30.33	54	E	1	f	30.35	+ 08	55	55	+ 2	Z	0	bc	0	57	46	-
	Nairn ...	30.27	70	W	1	bc	30.32	+ 07	64	59	+ 6	Z	0	bc	1	71	46	-
	Aberdeen ...	30.34	55	ESE	2	bc	30.38	+ 09	56	54	- 2	SSE	1	bm	1	64	48	-
	Leith ...	30.29	72	W	1	bc	30.38	+ 08	57	55	- 8	E	1	bm	*	75	49	-
	Shields ...	30.32	58	E	1	c	30.37	+ 07	54	53	- 6	E	2	bc	2	69	51	-
	Spurn Head ...	30.31	62	NNE	2	bc	30.36	+ 02	52	50	- 6	NNE	2	bc	2	68	48	-
	York ...	30.31	70	E	1	bc	30.37	+ 05	59	57	- 3	NNE	1	bc	*	74	52	-
	Loughborough	30.29	75	ESE	1	bc	30.36	+ 02	61	58	0	NE	2	bcw	*	79	57	-
GERMANY & HOLLAND.	Ardrossan ...	30.31	64	Z	0	b	30.34	+ 02	63	59	+ 6	NNW	2	bm	1	68	53	-
	Malin Head ...	30.29	55	NE	2	b	30.34	+ 05	60	57	+ 2	NW	1	bw	1	62	54	-
	Mullaghmore ...	30.27	69	NW	1	b	30.34	+ 04	61	58	+ 1	ENE	1	bw	3	70	50	-
	Belmullet ...	30.28	64	MSW	1	b	30.31	+ 04	64	61	+ 5	ENE	1	b	*	68	51	-
	Donaghadee ...	30.32	60	SSW	2	bc	30.37	+ 04	59	57	+ 2	ESE	2	m	0	68	52	-
	Liverpool (Bldston)	30.32	63	NW	1	b	30.34	+ 00	67	61	+ 5	SE	1	b	2	68	55	-
	Holyhead ...	30.32	59	NNW	1	b	30.33	+ 01	61	57	+ 1	NNW	1	bw	1	67	53	-
	Parsonstown ...	30.27	77	Z	0	b	30.35	+ 00	67	62	+ 4	Z	0	b	*	77	52	-
	Valencia ...	30.28	67	SSE	1	bm	30.31	+ 01	63	59	0	Z	0	bw	1	72	49	-
	Roche's Point...	30.32	59	S	2	f	30.33	+ 00	58	56	+ 6	N	1	b	1	61	50	-
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	30.30	65	NW	1	b	30.32	+ 02	64	61	+ 3	ESE	1	bm	0	68	55	-
	Scilly ...	30.28	66	ENE	3	b	30.28	+ 00	64	60	+ 3	ENE	2	b	4	67	58	-
	Prawle Point ...	30.28	67	E	1	b	30.32	+ 01	68	63	+ 2	NNE	1	bm	0	71	59	-
	Jersey (St. Aubin's)	30.22	73	NNW	2	bm	30.30	+ 01	65	60	- 3	ENE	3	bm	3	76	59	-
	Hurst Castle ...	30.28	65	MSW	2	m	30.31	+ 01	62	60	- 3	NE	2	m	1	74	56	-
	Dungeness ...	30.27	62	E	3	m	30.29	+ 01	56	54	- 4	ENE	3	c	1	73	54	-
	London ...	30.27	73	NNE	1	bc	30.32	+ 01	60	57	- 6	NNE	1	cg	*	76	55	-
	Oxford ...	30.30	66	NE	1	b	30.34	+ 02	61	58	- 6	NE	2	bc	*	76	54	-
	Cambridge ...	30.30	69	NE	1	b	30.35	+ 01	60	57	- 6	N	1	bc	*	75	52	-
	Yarmouth ...	30.29	62	NNE	2	b	30.31	+ 02	54	52	- 7	NNE	3	cv	2	65	50	-
PENIN- SULA.	Cuxhaven ...	30.18	65	NNW	4	c	30.18	+ 06	56	55	- 3	E	2	m	*	60	55	0.08
	Berlin ...	30.16	58	NW	4	bc	30.15	+ 12	62	55	+ 3	NE	3	o	*	75	52	-
	Wiesbaden ...	*	*	*	*	*	30.12	+ 13	59	56	- 2	NE	3	bc	*	63	54	0.28
	Munich ...	30.19	57	Z	0	T	30.09	+ 19	53	51	+ 4	E	1	c	*	55	45	0.08
	The Helder ...	30.27	51	N	2	c	30.26	+ 01	52	52	- 5	N	3	o	3	63	50	-
	Brussels (9 a.m.)	*	*	*	*	*	30.24	+ 04	53	50	- 12	NNW	4	o	*	71	51	-
	Cape Gris Nez	30.25	59	NE	3	m	30.27	+ 00	52	51	- 8	NE	4	g	4	60	50	-
	Paris ...	30.20	74	N	3	b	30.21	+ 11	61	58	- 1	N	3	b	*	78	56	-
	Brest ...	?	78	E	3	b	?	?	61	59	+ 2	E	3	b	2	88	57	-
	Lorient ...	30.21	77	Z	0	b	30.24	+ 01	62	59	0	ENE	3	b	2	84	61	-
FRANCE AND BELGIUM.	Rochefort ...	?	81	E	3	b	?	?	65	62	+ 1	NE	3	b	*	93	63	-
	Belfort ...	?	63	SW	3	bc	?	?	61	57	- 2	S	2	bc	*	68	57	-
	Lyons ...	30.11	73	N	3	b	30.05	+ 21	66	59	+ 7	N	3	b	*	78	?	-
	Nice ...	30.07	65	SE	2	c	29.94	+ 22	61	59	- 5	E	4	o	3	73	59	-
	Perpignan ...	30.08	91	NE	2	b	30.01	+ 20	68	62	+ 5	SW	2	b	*	74	57	-
	Biarritz ...	30.08	75	NE	2	b	30.09	+ 01	69	65	- 2	Z	0	b	1	88	64	-
	Corunna ...	*	*	*	*	*	30.03	+ 00	73	66	+ 1	Z	0	b	?	91	68	-
PENIN- SULA.	Lisbon ...	30.00	78	NNW	5	b	30.03	+ 00	73	66	+ 1	Z	0	b	?	91	68	-

For Explanation of Columns, see bottom of p. 4.

† Received too late for insertion in Charts on p. 2.

WEATHER CHARTS

for 8 a.m. on Saturday, 20th June, 1891.

BAROMETER, WIND AND SEA.

EXPLANATION OF MAP

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

Changes since previous morning are stated in words.

WIND—Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force thus

→ = forces above 10; → = forces 8 to 10;
→ = forces 5 to 7; → = forces 1 to 4.

○ = dead calm.

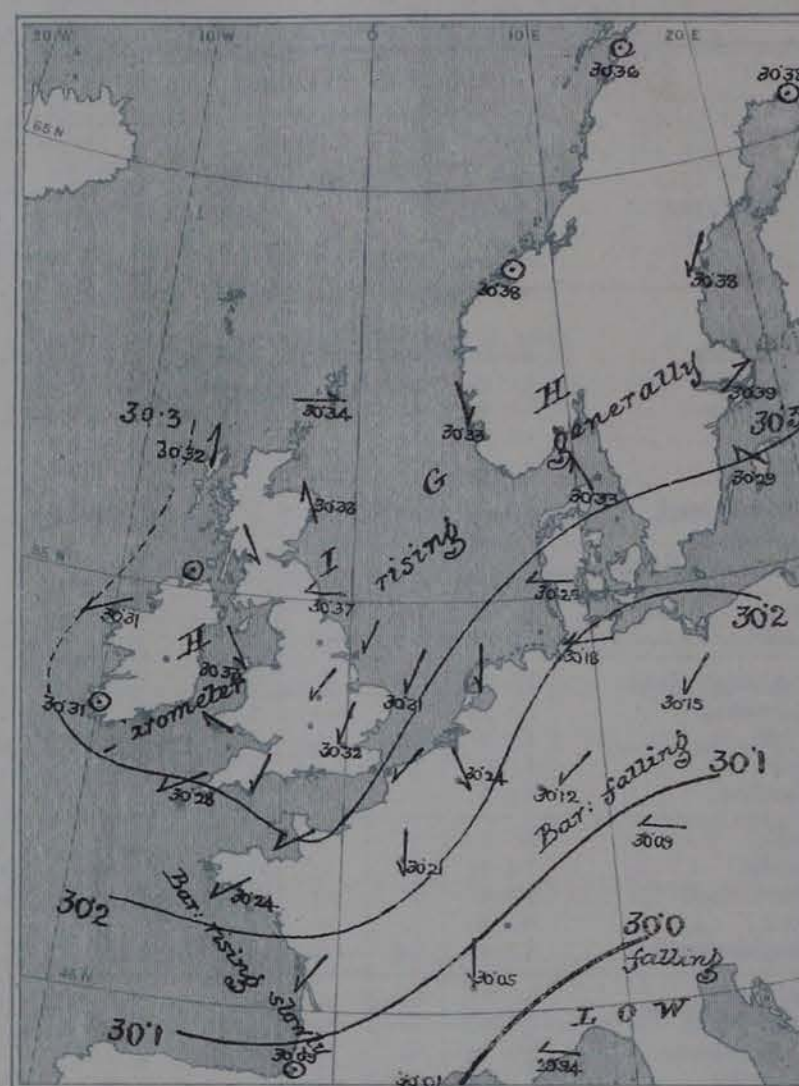
SEA DISTURBANCE—Where considerable, is shown thus:

— Rough. — High.

MEAN HEIGHT OF THE BAROMETER

at 8.0 a.m. for the month of June
During the 20 Years: 1871—1890.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.883
Stornoway	29.876
Wick	29.898
Nairn	29.904
Aberdeen	29.916
Leith	29.930
Shields	29.948
Spurn Head	29.964
York	29.969
Loughborough	29.980
Ardrossan	29.982
Mullaghmore	29.986
Donaghadee	29.940
Holyhead	29.968
Liverpool	29.966
Parsonstown	29.972
Valencia	29.973
Roche's Point	29.973
Pembroke	29.974
Seilly	29.996
Prawle Point	30.067
Jersey	30.010
Hurst Castle	29.998
Dover	29.982
LONDON	29.992
Oxford	29.986
Cambridge	29.985
Yarmouth	29.977



TEMPERATURE, & WEATHER AT 8 A.M., WITH RAINFALL IN PAST 24 HOURS.

TEMPERATURE—Isotherms are drawn for each 10°. Changes since previous morning are stated in words.

WEATHER is shown by Letters of the Beaufort Scale.

RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of June.)

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily	Daily	at 8 a.m.		
	Max.	Min.	Dry.	Wet.	
Sumburgh Head.....	54.6	45.0	50.3	48.6	1.98
Stornoway	58.9	45.9	53.3	51.1	2.85
Wick.....	58.9	45.5	53.3	50.7	1.74
Nairn	62.2	47.8	54.3	50.6	1.70
Aberdeen.....	61.2	47.2	54.8	50.8	1.77
Leith.....	63.9	47.9	55.9	52.3	1.80
Shields.....	60.6	48.7	54.8	51.7	1.71
Spurn Head.....	60.4	51.4	55.3	52.8	1.54
York.....	66.1	48.4	56.2	52.7	2.17
Loughborough	68.6	49.0	57.8	53.9	2.22
Ardrossan	62.0	49.6	55.1	52.1	2.49
Mullaghmore	61.1	51.4	54.9	52.0	2.79
Donaghadee.....	61.2	49.3	55.0	52.8	1.92
Holyhead.....	61.6	51.5	55.7	53.2	1.98
Liverpool.....	63.8	50.9	56.7	52.7	1.89
Parsonstown	64.5	48.5	56.0	52.6	2.39
Valencia	62.2	51.1	57.2	54.3	3.27
Roche's Point	64.5	51.1	56.8	53.6	3.13
Pembroke.....	60.3	51.5	55.2	53.1	1.94
Seilly.....	61.3	53.0	57.3	55.2	1.84
Prawle Point.....	61.5	50.5	56.9	54.0	1.60
Jersey.....	64.6	52.5	58.6	55.8	1.91
Hurst Castle	64.2	51.9	57.7	55.5	1.97
Dover.....	63.0	52.5	58.2	54.9	1.59
LONDON	69.1	56.6	58.9	54.6	2.11
Oxford.....	66.9	49.5	56.8	53.3	2.21
Cambridge.....	68.6	48.5	58.1	54.7	2.23
Yarmouth.....	62.0	51.1	56.9	54.0	1.88

NOTE.—The Temperature means are for the 20 years 1871-90, the Rainfall means are mainly those for the 25 years 1866-90.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.3 ins: and more over the greater part of the United Kingdom, North Sea, Norway, and Sweden.
 Lowest, 30.0 ins: and less, over the southeast of France.
 Gradients slight, especially in the west and north.
 Barometer rising slowly except over Germany and France, where it appears to be still falling a little.

TEMPERATURE

Highest, 73° at Lisbon, 69° at Biarritz, 67° at Liverpool, 64° at Harin, 62° at Berlin.
 Lowest, 51° at Christiansund, 52° at Haparanda, Bodø, Lumburg, Ht. the Bitter, and C. Fin Rey, 53° at Munich and Brest, 54° at St. Petersburg.
 It rose during yesterday to between 70° and 78° in many parts of our Islands, to 78° at Harin, 88° at Biarritz, and 93° at Brest.

WIND

Very light and variable over the western and northern part of our area, light to moderate from between N. and E. elsewhere.

WEATHER

Cloudy over Germany and the Netherlands, where rain has fallen during the past 24 hours; fine and dry elsewhere, but hazy or foggy at times at several of our western and northern stations.
 The fog was very dense at Hooker Point yesterday, but has now disappeared.

SEA

Moderate at Scilly and Cape Fin Rey, slight to very smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

There is no indication of any important change.

FORECASTS

For the 24 hours ending at NOON on 21st JUNE 1891.

DISTRICTS.

FORECASTS.

- | | | |
|---|------------------|---|
| 0 | SCOTLAND NORTH | } Very light winds; fine, hazy or foggy at times. |
| 1 | SCOTLAND EAST | |
| 2 | ENGLAND N.E. | } E ² or NE ² winds, light; fine. |
| 3 | ENGLAND EAST | |
| 4 | MIDLAND COUNTIES | |
| 5 | ENGLAND SOUTH | NE ² winds, moderate; fine, dry. |

DISTRICTS.

FORECASTS.

- | | | |
|----|---------------|--|
| 6 | SCOTLAND WEST | } Same as Nos 0 and 1. |
| 7 | ENGLAND N.W. | |
| 8 | ENGLAND S.W. | Same as No 5. |
| 9 | IRELAND NORTH | } Varying airs and Calms; fine, hazy or foggy. |
| 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.		WIND		WEA.	SEA		BAR.	THER.		WIND		WEA.	SEA
		D.	W.	D.	F.					D.	W.	D.	F.		
Skudesnaes	30.24	56	53	NW	6	c	3	Holyhead ...	30.54	61	57	NW	2	b	2
Sumburgh Head	30.27	56	54	Z.	0	b	1	Valencia ...	30.30	72	63	SE	1	bm	1
Stornoway ...	30.25	58	57	SW	3	0	3	Seilly ...	30.29	66	62	ESE	3	bc	4
Aberdeen ...	30.32	63	58	SE	2	c	1	Jersey ...	?	74	66	E.	2	b	2
Shields ...	30.34	64	59	NE	3	c	2	Dungeness ...	30.24	64	59	SE	3	m	1
Ardrossan ...	30.32	67	62	WSW	1	0	0	London ...	30.28	74	66	NW	2	b	*
Malin Head ...	30.31	58	55	ESE	2	b	0	Yarmouth ...	30.31	64	59	NSE	3	bc	2
Mullaghmore ...	30.29	67	60	NW	1	b	2	Rocheport ...	?	60	73	ESE	3	b	*
Belmullet ...	30.27	67	62	SSW	1	b	*								

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

Weather fine over the greater part of Europe, but dull in Scotland, Denmark, and the west of Norway, as well as in Poland and Austria, with rain at Flushing and Copenhagen and also at Munich. Mists reported on the south and east coasts of England, and fog at Loughaven and the Hebrides. Sky clearing later in Scotland and the west of Norway, no important change occurring elsewhere.

Temperatures highest 83° at Ajaccio, 82° at Bilbao, 80° at Genoa, 78° at Palma, and 72° at Prindisi and Lisbon; above 65° at nearly all the Mediterranean stations, as well as in the south of France and some parts of Central Europe. Lowest 49° at Munich, 50° at Christiansund, and 51° at Warsaw and Ruda Ruzh; below 55° in many parts of Central Europe, as well as in Norway and the extreme north of our Islands. Rising during day to between 75° and 80° in many parts of the United Kingdom, to 85° or more in the west and south of France to 91° at Lisbon, and to 93° at Rochefort.

Wind light from the End over Spain, France, and the extreme southwest of England, from the Snd in Ireland and Wales, and from the Wnd on the east coasts of Great Britain and the eastern shore of the North Sea. Moderate to strong from the Snd in Sweden and the Baltic Provinces; light and variable over Central and Eastern Europe, moderate from the Nnd in Italy. Light End or NEnd breezes setting in later over the eastern and southeastern parts of Great Britain.

Barometer highest 30.3 ins: and upwards, over England, Ireland and the north of France and also over the Baltic Provinces; 30.2 ins: and upwards in a large anticyclone covering the major portion of Europe. Lowest 30.0 ins: and upwards, in a shallow depression lying off the northwest of Norway, and also in another system lying to the southwest of Italy. Slight fall of barometer taking place later over Spain, France, and the south of our Islands, and anticyclone moving slowly northwards.

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.
The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden and Denmark the observations are taken at 8 p.m. (Christiania time).

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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 Sunday 21st June 1891.
 Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

PUBLISHED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON. R. H. SCOTT, Secretary.																		
STATIONS.	YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	BAROM. Reading at 32° F. and Sea Level.	TEMP. Dry.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 4.)	SHADE TEMP.		Amount of Rainfall.	
			Direc.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Direc.	Force. (0 to 12.)			Max.	Min.		
SCANDINAVIA.	Haparanda ...	30.39	56	Z	0	b	30.43	+ .05	61	56	+ 9	SSW	2	b	*	64	45	—
	Hernösand ...	30.40	53	Z	0	b	30.43	+ .05	55	52	— 6	WSW	2	b	*	73	46	—
	Stockholm ...	30.42	59	S	2	c	30.43	+ .04	64	51	0	ESE	2	b	*	73	46	0.25
	Wisby ...	30.28	61	ESE	4	bc	30.26	— .03	64	57	+ 3	NE	4	0	*	73	45	—
	Bodö ...	30.41	51	Z	0	b	30.42	+ .06	50	47	— 2	WSW	2	b	1	55	46	—
	Christiansund	30.42	52	NW	1	c	30.43	+ .05	56	53	+ 5	NW	1	m	1	56	50	—
	Skudesnaes ...	30.40	55	NW	2	c	30.38	+ .05	59	55	+ 1	SE	1	c	1	61	48	—
	Christiania Fjord (Færder)	30.35	60	NNW	2	b	30.40		59	57		NNW	3	b	1	63	55	—
	Skagen (The Scaw)	30.35	58	N	1	b	30.34	+ .01	63	58	+ 5	NE	1	b	1	66	55	—
	Fanö ...	30.28	59	N	2	b	30.22	— .03	66	61	+ 9	NE	4	b	*	72	54	—
BRITISH ISLANDS.	Sumburgh Head	30.39	52	Z	0	f	30.40	+ .06	50	50	— 2	Z	0	f	3	56	45	—
	Stornoway ...	30.36	55	E	2	b	30.33	+ .01	51	51	— 8	Z	0	f	2	61	45	0.01
	Wick ...	30.40	56	Z	0	f	30.36	+ .01	54	53	— 1	SE	1	b	0	63	47	—
	Nairn ...	30.33	62	E	1	b	30.34	+ .02	60	57	— 4	Z	0	b	1	73	45	—
	Aberdeen ...	30.41	53	SE	1	bc	30.39	+ .01	54	51	— 2	SE	2	b	1	65	50	—
	Leith ...	30.35	62	NW	1	b	30.39	+ .01	52	51	— 5	E	1	om	*	67	49	—
	Shields ...	30.40	52	E	2	f	30.39	+ .02	49	48	— 5	N	2	f	2	57	46	—
	Spurn Head ...	30.35	55	NNE	3	bc	30.34	— .02	52	51	0	NNE	3	om	3	58	49	—
	York ...	30.36	67	NE	1	0	30.37	— .00	55	53	— 4	N	1	0	*	44	46	—
	Loughborough	30.33	70	ENE	3	b	30.36	— .00	52	51	— 9	NE	3	omg	*	75	51	—
BRITISH ISLANDS.	Ardrossan ...	30.31	72	NNW	1	b	30.34	— .00	63	57	0	NE	3	b	1	76	53	—
	Malin Head ...	30.31	56	ENE	2	b	30.28	— .06	58	55	— 2	SE	2	bmw	2	62	55	—
	Mullaghmore ...	30.24	72	NNW	1	b	30.27	— .07	66	61	+ 5	ENE	1	bw	2	73	61	—
	Belmullet ...	30.28	59	NNE	3	b	30.22	— .09	70	68	+ 6	SW	1	b	*	71	58	—
	Donaghadee ...	30.32	69	E	2	bc	30.36	— .01	58	55	— 1	SE	2	m	0	71	57	—
	Liverpool (Bidston)	30.29	73	E	2	bc	30.32	— .02	65	56	— 2	E	1	b	2	75	52	—
	Holyhead ...	30.30	61	N	1	b	30.31	— .02	66	57	+ 5	ENE	1	b	1	68	55	—
	Parsonstown ...	30.26	78	Z	0	b	30.28	— .07	67	63	0	Z	0	bc	*	78	55	—
	Valencia ...	30.27	73	NW	1	b	30.24	— .07	67	62	+ 4	ESE	1	bm	2	75	57	—
	Roche's Point...	30.26	64	S	1	b	30.27	— .06	64	61	+ 6	SE	1	b	2	68	54	—
BRITISH ISLANDS.	Pembroke (St. Ann's Hd.)	30.28	69	NE	1	m	30.29	— .03	61	57	— 3	E	1	bm	0	72	56	—
	Scilly ...	30.27	65	ESE	2	m	30.23	— .05	63	60	— 1	E	2	m	4	68	60	—
	Prawle Point ...	30.28	62	SE	1	0	30.28	— .04	55	53	— 13	E	2	omg	1	69	53	—
	Jersey (St. Aubin's)	30.24	65	E	3	b	30.25	— .05	57	54	— 8	E	3	om	3	71	53	—
	Hurst Castle ...	30.28	61	WSW	2	m	30.24	— .07	54	53	— 8	NNE	3	c	1	73	53	—
	Dungeness ...	30.27	56	ENE	5	bc	30.23	— .06	59	53	+ 3	ENE	5	bc	4	62	53	—
	London ...	30.28	68	NNE	2	b	30.30	— .02	56	52	— 4	NE	3	c	*	73	51	—
	Oxford ...	30.32	60	NE	1	b	30.32	— .02	53	51	— 8	NE	3	0	*	72	50	—
	Cambridge ...	30.31	67	N	2	b	30.32	— .03	55	53	— 5	N	2	0	*	70	50	—
	Yarmouth ...	30.30	55	NNE	4	c	30.28	— .03	54	52	0	N	4	bc	3	59	49	—
GERMANY & HOLLAND.	Cuxhaven ...	30.22	59	NE	4	b	30.14	— .04	58	57	+ 2	ENE	3	bc	*	65	56	—
	Berlin ...	29.97	66	N	5	r	30.11	— .03	62	55	0	E	4	b	*	70	52	—
	Wiesbaden ...	*	*	*	*	*	29.94	— .18	62	57	+ 3	N	4	bc	*	64	57	0.04
	Munich ...	30.06	52	Z	0	0	30.00	— .09	55	54	+ 2	S	3	c	*	64	48	0.04
	The Helder ...	30.26	56	NNE	3	b	30.17	— .09	59	56	+ 7	NNE	3	b	3	61	52	—
	Brussels (9 a.m.)	*	*	*	*	*	30.09	— .15	61	?	+ 8	NNW	4	c	*	62	50	—
	Cape Gris Nez	30.24	54	NE	5	c	30.21	— .06	52	51	0	NE	5	f	5	61	50	—
	Paris ...	30.15	64	N	4	b	30.16	— .05	56	54	— 5	N	3	b	*	71	51	—
	Brest ...	30.10	76	E	3	b	30.10	?	54	53	— 7	ESE	2	c	2	58	52	—
	Lorient ...	30.18	69	NE	4	b	30.19	— .05	55	52	— 7	NE	4	b	4	77	54	—
FRANCE AND BELGIUM.	Rochefort ...	30.08	75	NE	4	bc	30.08	?	58	53	— 7	ENE	4	b	2	86	52	—
	Belfort ...	?	61	SSE	3	c	?	?	59	54	— 2	SSE	3	c	*	66	47	0.12
	Lyons ...	29.98	68	NNW	2	b	30.04	— .01	55	52	— 11	N	2	0	*	76	53	—
	Nice ...	29.96	57	E	6	r	29.97	+ .03	62	57	+ 1	SW	1	c	0	64	54	0.39
	Perpignan ...	29.90	50	NW	2	c	30.01	— .00	59	54	— 9	NW	1	r	*	86	54	0.14
	Biarritz ...	30.05	70	N	4	b	30.02	— .07	65	59	— 4	ENE	2	b	1	79	61	—
	Corunna ...	*	*	*	*	*	29.94	— .12	73	71	0	NW	2	b	3	77	57	—
	Lisbon ...	29.95	76	SW	3	b	29.89	— .14	78	64	+ 5	NNE	4	c	2	84	73	—

WEATHER CHARTS

for 8 a.m. on Sunday, 21st June, 1891.

BAROMETER, WIND AND SEA.

EXPLANATION OF MAP

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

Changes since previous morning are stated in words.

WIND—Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force thus:

→ = forces above 10; → = forces 8 to 10;

→ = forces 5 to 7; → = forces 1 to 4.

☉ = dead calm.

SEA DISTURBANCE—Where considerable, is shown thus:

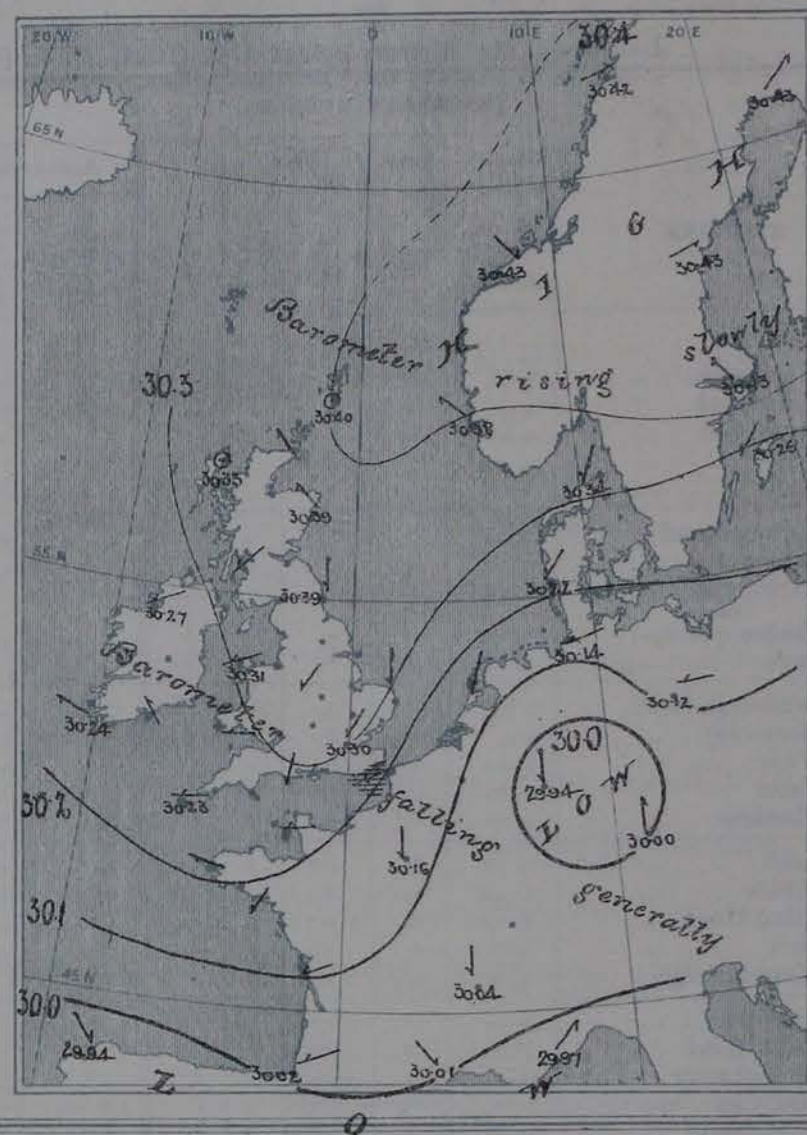
☼ = Rough. ☼ = High.

MEAN HEIGHT OF THE BAROMETER

at 8.0 a.m. for the month of June

During the 20 Years: 1871—1890.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.883
Stornoway	29.876
Wick	29.898
Nairn	29.901
Aberdeen	29.916
Leith	29.930
Shields	29.948
Spurn Head	29.964
York	29.969
Loughborough	29.980
Ardrossan	29.932
Mullaghmore	29.936
Donaghadee	29.946
Holyhead	29.966
Liverpool	29.966
Parsonstown	29.972
Valencia	29.975
Roche's Point	29.973
Pembroke	29.974
Scilly	29.996
Prawle Point	30.007
Jersey	30.010
Hurst Castle	29.998
Dover	29.982
LONDON	29.992
Oxford	29.986
Cambridge	29.985
Yarmouth	29.977



TEMPERATURE, & WEATHER AT 8 A.M., WITH RAINFALL IN PAST 24 HOURS.

TEMPERATURE—Isotherms are drawn for each 10°. Changes since previous morning are stated in words.

WEATHER is shown by Letters of the Beaufort Scale.

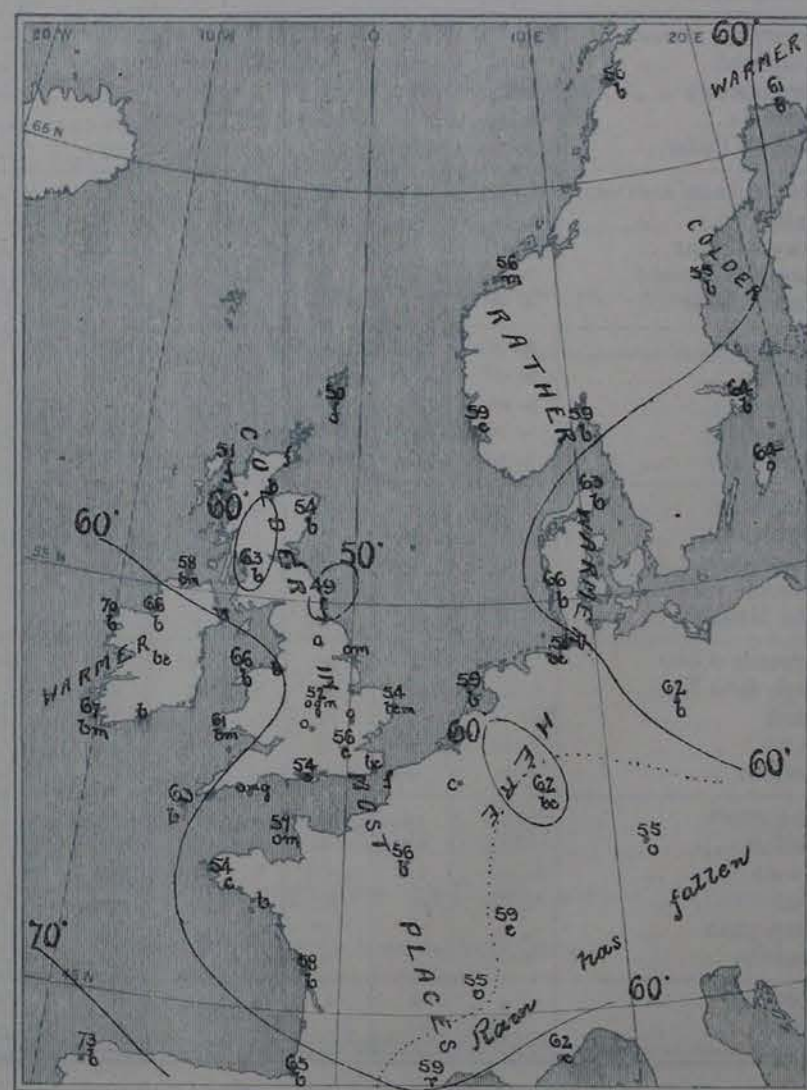
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of June.)

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	Dry. at 8 a.m.	Wet.	
Sumburgh Head	54.6	45.0	50.3	48.6	1.98
Stornoway	58.0	45.9	53.3	51.1	2.85
Wick	58.9	45.5	53.3	50.7	1.74
Nairn	62.2	47.8	54.3	50.6	1.70
Aberdeen	61.2	47.2	54.8	50.8	1.77
Leith	63.9	47.0	55.9	52.3	1.80
Shields	60.6	48.7	54.8	51.7	1.71
Spurn Head	60.4	51.4	55.3	52.8	1.54
York	66.1	48.4	56.2	52.7	2.17
Loughborough	68.6	49.0	57.8	53.9	2.22
Ardrossan	62.0	49.5	56.1	52.1	2.49
Mullaghmore	61.1	51.4	54.9	52.0	2.79
Donaghadee	61.2	49.3	55.0	52.8	1.92
Holyhead	61.6	51.5	55.7	53.2	1.98
Liverpool	63.8	50.9	56.7	52.7	1.89
Parsonstown	64.5	48.5	56.0	52.6	2.39
Valencia	62.2	51.1	57.2	54.3	3.27
Roche's Point	64.5	51.1	56.8	53.6	3.13
Pembroke	60.3	51.5	55.2	53.1	1.94
Scilly	61.3	53.0	57.3	55.2	1.84
Prawle Point	61.5	50.5	56.9	54.6	1.60
Jersey	64.6	52.5	58.6	55.8	1.91
Hurst Castle	64.2	51.9	57.7	55.5	1.97
Dover	63.0	52.5	58.2	54.9	1.59
LONDON	69.1	50.6	58.9	54.6	2.11
Oxford	65.9	49.5	56.8	53.3	2.21
Cambridge	68.6	48.5	58.1	54.7	2.23
Yarmouth	62.0	51.1	56.9	54.0	1.88

NOTE.—The Temperature means are for the 20 years 1871-90, the Rainfall means are mainly those for the 25 years 1866-90.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.4 in. and more to 30.3 in. in an anticyclone lying over Scandinavia, Scotland, and the north of England.
Lowest, 29.9 in. and less, to 30.0 in. over the Spanish Peninsula; 30.0 in. and less over western Germany.
Gradients moderate over the Netherlands & S.E. of England and also over the Bay of Biscay, slight elsewhere.
Barometer rising slightly in the far north, falling in the southeast and southwest.

TEMPERATURE

Highest 78° at Lisbon, 73° at Corunna, 70° at Belmullet, 67° at Valencia Island, 66° at Faro, 64° at Stockholm & ^{Wibsey} at Shields, 50° at Lumburg Ht. & Bodi, 51° at Stormoway, 52° at Leith & Queen Ht., 54° at Aberdeen and Yarmouth, 56° in London and at Paris.
Its distribution is therefore very irregular. Daily maxima yesterday were 76° at Ardrossan, 75° at Loughborough, Liverpool and Valencia Island, and 70° to 73° in several parts of England, 86° to 88° in the W. and S.W. of France.

WIND

Light and variable from the S.E. ^W over Ireland and Scotland, W. ^W in Norway; light N. ^W to E. ^W over England, but freshening over our southeastern countries. NE. ^W over the Bay of Biscay, E. ^W over the Baltic; variable in the south of France.

WEATHER

Foggy on several parts of our northeast coasts, dull over the inland and southwestern parts of England, fine and bright elsewhere. The only report of Rainfall is 0.01 in. at Stormoway.

SEA

Moderate at Scilly and Lorient and also in Straits of Dover. Light or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

For the 24 hours ending at NOON on 22ND JUNE 1891.

DISTRICTS.

- 0 SCOTLAND NORTH
- 1 SCOTLAND EAST
- 2 ENGLAND N.E.
- 3 ENGLAND EAST
- 4 MIDLAND COUNTIES
- 5 ENGLAND SOUTH

FORECASTS.

NONE ISSUED

DISTRICTS.



- 6 SCOTLAND WEST
- 7 ENGLAND N.W.
- 8 ENGLAND S.W.
- 9 IRELAND NORTH
- 10 IRELAND SOUTH

WARNINGS

FORECASTS.

NONE ISSUED

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:		WIND		WEA.	SEA		BAR:	THER:		WIND		WEA.	SEA
		D.	W.	D.	F.					D.	W.	D.	F.		
Skudesnaes ...	30.39	60	55	NN	2	0	2		Holyhead ...	30.32	67	61	N	1	0
Sumburgh Head ...	30.28	52	52	WNW	2	0	3		Valencia ...	30.28	74	66	SE	1	1
Stornoway ...	30.37	58	57	E	2	c	3		Scilly ...	30.27	68	62	E	2	3
Aberdeen ...	30.40	60	55	SE	2	b	2		Jersey ...	30.27	69	54	E	3	3
Shields ...	30.39	54	52	E	2	f	2		Dungeness ...	30.27	62	56	ENE	5	4
Ardrossan ...	30.34	72	64	NNW	1	b	1		London ...	30.29	69	58	N	2	*
Malin Head ...	30.34	62	55	SE	2	b	2		Yarmouth ...	30.33	59	55	NNE	4	3
Mullaghmore ...	30.22	70	65	NN	1	b	3		Rocheport ...	30.08	83	71	NE	4	2
Belmullet ...	30.31	63	61	N	2	b	*								

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

Weather fine over the greater part of Europe, but dull and unsettled over Denmark, Germany, Austria and Italy, with rain in many places. Fog reported on some parts of our own north and east coasts, and haze at several of the Channel stations. Heavy rain falling later in isolated parts of Italy and Austria, and thunderstorms occurring at Cetta and Magdeburg.

Temperature highest 83° at Oporto, 78° at Bilbao, 77° at Barcelona, 75° at Malta, and 73° at Corunna and Lisbon; above 65° at most of the Spanish, Mediterranean and Adriatic stations, as well as over Central Ireland and the central and southern parts of Russia. Lowest 51° at Christiansund and Münster and 52° at Bodo, Haparanda, Lumburgh H^{ts}, Spurn H^{ts} and Helster; below 55° in many parts of Central Europe, and also on the east coast of England. Rising during day to 75° or more in various parts of the United Kingdom, to 80° or more at several of the Channel stations, and to 90° or more in some of the more central parts of Spain and Algeria.

Wind light or moderate from the Est or NEst over Denmark, the Baltic, North Germany, the Netherlands, France, Spain, and the greater part of England. Calm over the northern parts of Scandinavia and Russia; light and variable in Ireland and Scotland as well as in Italy and Austria; NEst or Nst in Algeria. Light Est breezes setting in later over Italy; no important change occurring elsewhere.

Barometer highest 30.4 ins. and upwards in Ireland; 30.3 ins. and upwards in a large anticyclone lying over the whole of northern and northwestern Europe. Lowest 30.0 ins. and less in a shallow elongated depression lying off the south of France. No important change occurring during day, but depression moving slowly in an easterly direction, and becoming somewhat more clearly defined.

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.
The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden and Denmark the observations are taken at 8 p.m. (Christiania time).

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 „

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STATIONS.	YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	Barom. Reading at 32° F. and Sea Level.	Temp. Dry.	Wind.		Weather.	Barometer.		Shade Temp.			Wind.		Weather.	Sea. (0 to 3.)	Shade Temp.			
			Direc.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Direc.	Force. (0 to 12.)			Max.	Min.	Amount of Rainfall.	
SCANDINAVIA.	Haparanda ...	30.38	52	Z	0	b	30.38	-0.05	59	55	-2	SW	2	c	*	68	45	-
	Hernösand ...	30.41	58	Z	0	b	30.40	-0.03	61	56	+6	SSW	2	c	*	72	45	-
	Stockholm ...	30.41	61	SE	3	b	30.38	-0.05	66	55	+2	NNE	4	c	*	72	43	-
	Wisby ...	30.25	59	ENE	4	b	30.23	-0.03	58	54	-6	NNE	4	c	*	72	50	-
	Bodö ...	30.50	52	Z	0	o	30.50	+0.08	56	51	+6	Z	0	b	1	?	40	-
	Christiansund	30.44	54	NW	2	b	30.47	+0.04	52	50	-4	NW	2	c	3	57	50	-
	Skudesnaes ...	30.38	60	NW	2	c	30.39	+0.01	63	59	+4	Z	0	c	1	72	48	-
	Christiania Fjord (Færdar)	30.36	71	Z	0	b	30.38	-0.02	62	61	+3	NNE	3	b	1	72	?	-
	Skagen (The Seaw)	30.32	65	Z	0	bc	30.33	-0.01	65	60	+2	NE	1	b	0	75	61	-
	Fanö ...	30.25	63	NE	4	b	30.23	+0.01	68	61	+2	NE	4	b	*	73	59	-
BRITISH ISLANDS.	Sumburgh Head	30.42	52	E	1	b	30.42	+0.02	49	49	-1	E	2	f	3	54	46	0.01
	Stornoway ...	30.29	58	E	2	b	30.31	-0.02	64	61	+13	Z	0	b	2	64	48	-
	Wick ...	30.36	52	SE	2	b	30.43	+0.07	55	54	+1	SE	2	bc	2	62	48	-
	Nairn ...	30.38	64	E	1	b	30.35	+0.01	58	55	-2	Z	0	b	0	67	45	-
	Aberdeen ...	30.39	56	SE	1	bc	30.41	+0.02	57	55	+3	NW	1	b	1	59	44	-
	Leith ...	30.36	56	E	3	b	30.39	-0.00	51	49	-1	E	1	o	*	59	46	-
	Shields ...	30.35	52	NNE	2	b	30.33	-0.06	54	52	+5	NW	3	c	3	55	45	-
	Spurn Head ...	30.27	53	NNE	6	b	30.22	-0.12	57	55	+5	NNE	4	bc	4	57	51	-
	York ...	30.30	69	NNE	2	b	30.27	-0.10	60	58	+5	N	2	o	*	71	47	-
	Loughborough	30.26	69	N	4	b	30.22	-0.14	58	56	+6	NNE	4	om	*	72	52	-
GERMANY & HOLLAND.	Ardrossan ...	30.27	76	SE	1	b	30.32	-0.02	63	57	0	SE	2	bm	1	78	48	-
	Malin Head ...	30.22	72	SSSE	3	b	30.29	+0.01	57	54	-1	SE	3	b	2	75	55	-
	Mullaghmore ...	30.23	75	ESE	4	b	30.26	-0.01	62	57	-4	ENE	3	bw	2	78	54	-
	Belmullet ...	30.21	72	E	1	b	30.21	-0.01	66	62	-4	Z	1	b	*	76	60	-
	Donaghadee ...	30.29	69	NE	2	b	30.31	-0.05	60	57	+2	NW	3	b	1	70	57	-
	Liverpool (Bidston)	30.25	69	ENE	2	bc	30.24	-0.08	63	58	-2	ENE	2	c	3	71	54	-
	Holyhead ...	30.27	61	NE	3	b	30.25	-0.06	62	57	-4	NE	2	b	2	71	54	-
	Parsonstown ...	30.22	75	Z	0	b	30.26	-0.02	65	59	-2	Z	0	b	*	79	48	-
	Valencia ...	30.21	68	SSSE	3	bm	30.20	-0.04	63	58	-4	Z	0	b	1	74	49	-
	Roche's Point...	30.23	64	SE	1	b	30.20	-0.07	62	59	-2	NW	1	b	1	67	51	-
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	30.23	65	Z	0	b	30.17	-0.12	63	60	+2	E	1	b	0	65	55	-
	Scilly ...	30.22	60	E	2	m	30.12	-0.11	60	57	-3	NNE	4	o	4	64	55	-
	Prawle Point ...	30.19	63	ENE	1	b	30.10	-0.18	63	59	+8	NE	4	o	2	64	54	-
	Jersey (St. Aubin's)	30.17	63	N	3	bm	30.06	-0.19	58	56	+1	NE	3	ogm	3	63	55	-
	Hurst Castle ...	30.16	69	NNE	4	b	30.12	-0.17	62	59	+8	NNE	4	b	1	72	54	-
	Dungeness ...	30.08	64	NE	6	bc	30.05	-0.18	62	59	+3	NE	4	b	3	69	56	-
	London ...	30.18	69	NNE	4	b	30.13	-0.17	61	55	+5	NNE	2	c	*	73	55	-
	Oxford ...	30.21	61	NNE	2	b	30.17	-0.15	57	56	+4	NE	2	o	*	71	53	-
	Cambridge ...	30.24	62	N	2	b	30.16	-0.16	60	59	+5	N	2	o	*	68	52	-
	Yarmouth ...	30.20	56	NNE	5	c	30.15	-0.13	57	56	+3	NNE	4	b	4	61	53	-
PENINSULA.	Cuxhaven ...	30.15	60	E	3	b	30.13	-0.01	60	58	+2	ENE	4	b	*	68	58	-
	Berlin ...	30.06	72	Z	0	c	29.94	-0.18	62	60	0	NNE	4	r	*	79	59	-
	Wiesbaden ...	*	*	*	*	*	29.99	+0.05	59	57	-3	NE	1	o	*	64	54	0.04
	Munich ...	30.04	57	SE	3	c	29.99	-0.01	59	55	+4	SW	3	bc	*	64	?	0.08
	The Helder ...	30.13	60	NE	3	b	30.11	-0.06	60	58	+1	NE	3	bc	3	63	59	-
	Brussels (8 a.m.)	*	*	*	*	*	30.03	-0.21	60	57	+7	NE	3	c	*	69	50	0.04
	Cape Gris Nez	30.09	54	N	5	r	30.00	-0.18	59	57	+2	NE	4	b	3	59	50	0.12
	Paris ...	30.02	60	NW	3	o	29.98	-0.18	58	56	+2	NE	2	bc	*	69	46	-
	Brest ...	?	68	E	3	b	?	?	57	56	+3	E	3	b	2	77	50	-
	Lorient ...	30.11	66	ENE	4	bc	30.02	-0.17	58	55	+3	NNE	4	b	3	70	55	-
PENINSULA.	Rochefort ...	29.95	73	NE	3	b	29.89	-0.19	62	58	+4	NE	4	bc	*	81	55	-
	Belfort ...	?	59	NE	3	c	?	?	61	57	+2	NE	3	bc	*	66	45	0.35
	Lyons ...	29.97	66	NW	1	o	29.95	-0.09	60	52	+5	SE	1	m	*	73	51	-
	Nice ...	29.96	62	SW	4	bc	29.96	-0.01	66	61	+4	W	1	b	0	73	57	-
	Perpignan ...	29.94	71	E	2	b	29.91	-0.10	67	64	+8	NE	2	b	*	81	57	0.08
	Biarritz ...	30.00	71	N	2	b	29.92	-0.10	63	57	-2	SW	2	b	2	75	59	-
PENINSULA.	Cornubna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	-
	Lisbon ...	29.84	74	NW	4	bc	29.85	-0.04	64	60	-14	NW	3	b	5	90	60	-

WEATHER CHARTS

for 8 a.m. on Monday, 22nd June, 1891.

BAROMETER, WIND AND SEA.

EXPLANATION OF MAP

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

Changes since previous morning are stated in words.

WIND—Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force thus:

— forces above 10 : — forces 8 to 10 :
— forces 5 to 7 : — forces 1 to 4 :
— dead calm.

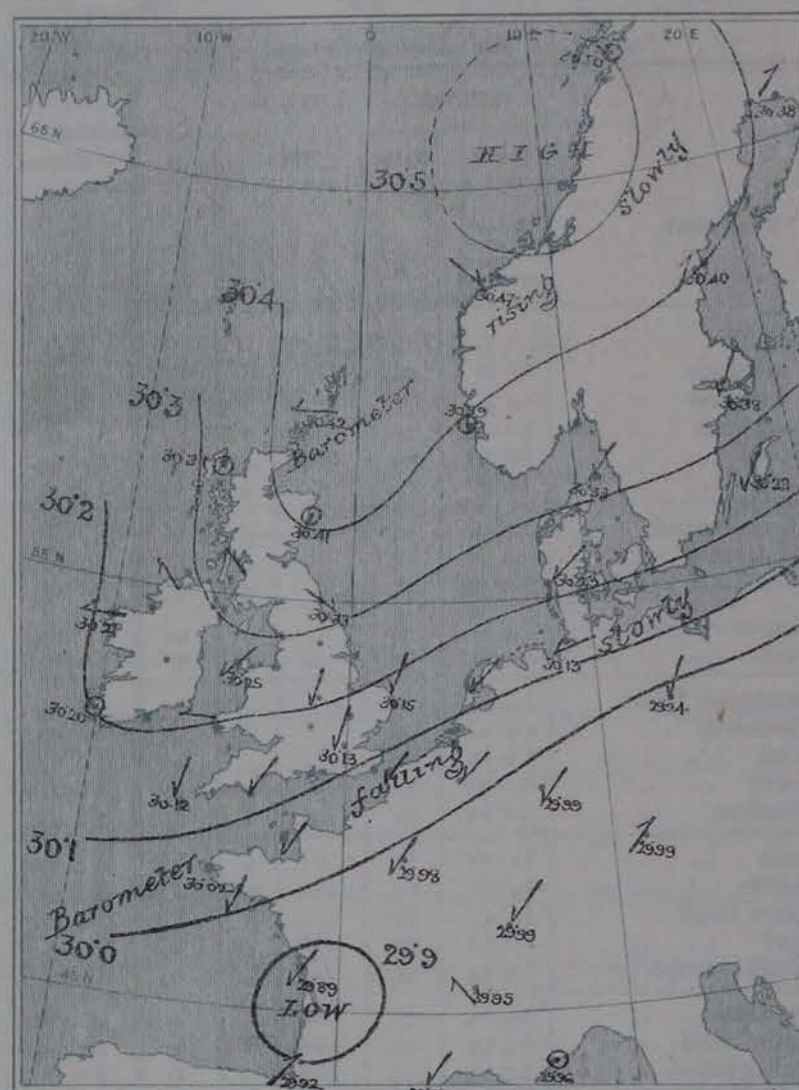
SEA DISTURBANCE—Where considerable, is shown thus:

— Rough. — High.

MEAN HEIGHT OF THE BAROMETER

at 8.0 a.m. for the month of June
During the 20 Years: 1871—1890.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.883
Stornoway	29.876
Wick	29.898
Nairn	29.904
Aberdeen	29.916
Leith	29.930
Shields	29.948
Spurn Head	29.964
York	29.969
Loughborough	29.980
Ardrossan	29.932
Mullaghmore	29.936
Donaghadee	29.946
Holyhead	29.966
Liverpool	29.966
Parsonstown	29.972
Valencia	29.975
Roche's Point	29.973
Pembroke	29.974
Seilly	29.996
Prawle Point	30.067
Jersey	30.010
Hurst Castle	29.998
Dover	29.982
LONDON	29.992
Oxford	29.986
Cambridge	29.985
Yarmouth	29.977



TEMPERATURE, & WEATHER AT 8 A.M., WITH RAINFALL IN PAST 24 HOURS.

TEMPERATURE—Isotherms are drawn for each 10°. Changes since previous morning are stated in words.

WEATHER is shown by Letters of the Beaufort Scale.

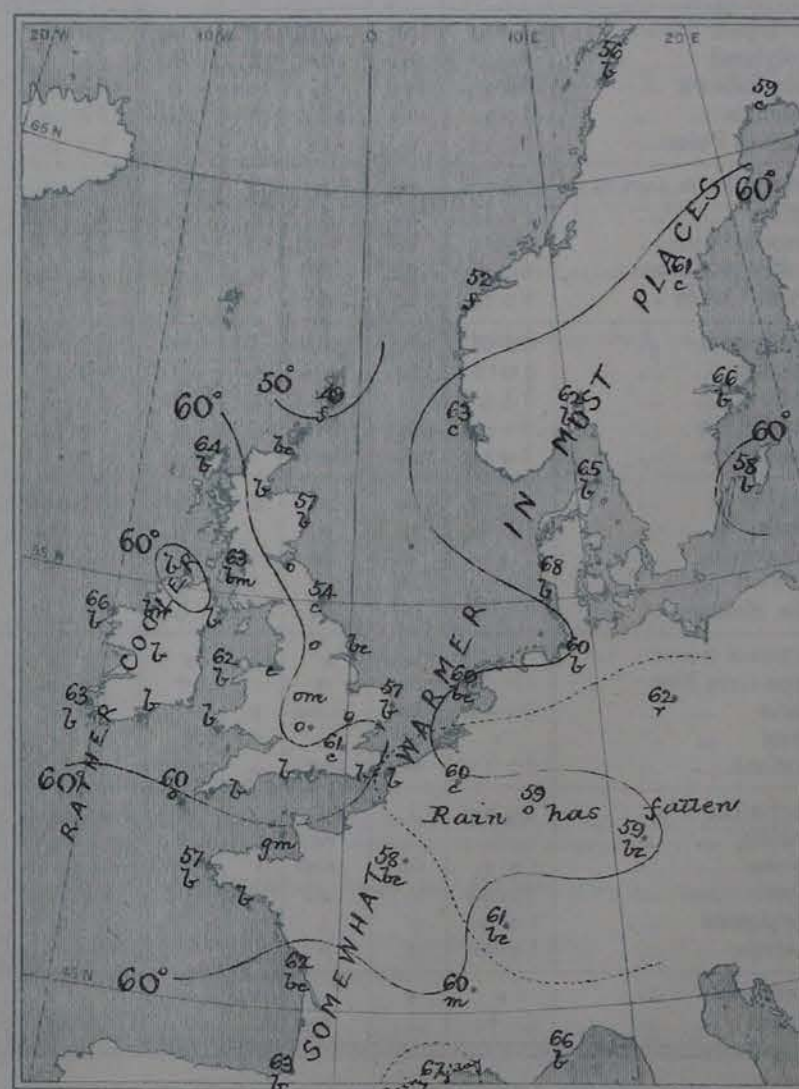
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of June.)

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.		
			Dry.	Wet.	
Sumburgh Head.....	54.6	45.0	50.3	48.0	1.98
Stornoway.....	58.0	45.9	53.3	51.1	2.85
Wick.....	58.9	45.5	53.3	50.7	1.71
Nairn.....	62.2	47.8	54.3	50.6	1.70
Aberdeen.....	61.2	47.2	54.8	50.8	1.77
Leith.....	63.9	47.9	55.9	52.3	1.80
Shields.....	69.6	48.7	54.8	51.7	1.71
Spurn Head.....	60.4	51.4	55.3	52.8	1.54
York.....	66.1	48.4	56.2	52.7	2.17
Loughborough.....	68.0	49.0	57.8	53.9	2.22
Ardrossan.....	62.0	49.5	55.1	52.1	2.19
Mullaghmore.....	61.1	51.4	54.9	52.0	2.79
Donaghadee.....	61.2	49.3	55.0	52.8	1.92
Holyhead.....	61.6	51.5	55.7	53.2	1.98
Liverpool.....	63.8	50.9	56.7	52.7	1.89
Parsonstown.....	64.6	48.5	56.0	52.5	2.39
Valencia.....	62.2	51.1	57.2	54.3	3.27
Roche's Point.....	64.5	51.1	56.8	53.0	3.13
Pembroke.....	60.3	51.5	55.2	53.1	1.94
Seilly.....	61.3	53.0	57.3	55.2	1.84
Prawle Point.....	61.5	50.5	56.9	54.6	1.60
Jersey.....	64.6	52.5	58.6	55.8	1.91
Hurst Castle.....	64.2	51.9	57.7	55.5	1.97
Dover.....	63.0	52.5	58.2	54.9	1.79
LONDON.....	69.1	56.6	58.9	54.6	2.11
Oxford.....	66.9	49.5	56.8	53.3	2.21
Cambridge.....	68.6	48.5	58.1	54.7	2.23
Yarmouth.....	62.0	51.1	56.9	54.0	1.88

NOTE.—The Temperature means are for the 20 years 1871-90, the Rainfall means are mainly those for the 25 years 1866-90.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.5 ins. to 30.3 ins. in an anticyclone covering all the northern part of our area.
 Lowest, 29.9 ins. and less, over some part of Spain and France, and rather below 30.0 ins. over Germany.
 Gradients slight and variable in the north, moderate for NE winds in the south.
 Barometer appears to be rising slightly over the northern part of our area, but falling in the more southern districts.

TEMPERATURE

Highest, 68° at Faro, 67° at Berne, 66° at Belmullet, Nice, and Stockholm, 64° at Lisbon, 63° at Brest, 62° at Penzance, 61° at London.
 Lowest, 49° at Sumburgh, 57° at Shields, 56° at Paris.
 It rose during yesterday to between 75° and 79° at many of our northern stations, but to only 73° in London.

WIND

Very light and variable over Ireland, Scotland and Scandinavia, mainly NE to N elsewhere and of moderate force.
 It blew somewhat strongly from NE. in the Straits of Dover yesterday.

WEATHER

Fine and bright in most places, but cloudy over the inland parts of England, very foggy in the Shetlands and west of Norway. Dense fog prevailed yesterday along the east coast of Scotland and northeast of England. In Germany, the Netherlands and east of France rain fell, and a few spots were noticed in various parts of London last night.

SEA

Moderate off our east coasts and at Scilly, slight to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

There are no indications of any important change.

FORECASTS

For the 24 hours ending at NOON on 23rd June 1891.

DISTRICTS.

FORECASTS.

- 0 SCOTLAND NORTH
- 1 SCOTLAND EAST
- 2 ENGLAND N.E.
- 3 ENGLAND EAST
- 4 MIDLAND COUNTIES
- 5 ENGLAND SOUTH

Varying light winds; fair generally

N² breezes, moderate; fair.

NE² breezes, moderate; fair.

DISTRICTS.

FORECASTS.

- 6 SCOTLAND WEST
- 7 ENGLAND N.W.
- 8 ENGLAND S.W.
- 9 IRELAND NORTH
- 10 IRELAND SOUTH

Same as N⁰ and 1.

NE² breezes, light; fine.

Same as N⁵.

Same as N⁰ and 1.

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:		WIND		WEA.	SEA		BAR:	THER:		WIND		WEA.	SEA
		D.	W.	D.	F.					D.	W.	D.	F.		
Skudesnaes ...	30.38	72	60	NE	2	bc	1		Holyhead ...	30.29	66	57	NE	3	bc
Sumburgh Head									Valencia ...						
Stornoway ...	30.29	61	60	E	2	b	2		Scilly ...						
Aberdeen ...									Jersey ...	30.23	62	58	NE	3	bc
Shields ...									Dungeness ...	30.13	67	58	NE	6	bc
Ardrossan ...									London ...						*
Mulin Head	30.25	65	60	SE	3	b	2		Yarmouth ...						
Mullaghmore									Rochefort ...	?	75	66	NE	4	b
Belmullet ...	30.22	75	70	WNW	1	b	*								

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

Weather fine over the greater part of Europe but cloudy and misty at several of the English stations. Dull in some parts of Germany, Austria and Italy, with rain at Breslau. Sky clearing later over England, but rain falling at a few of the French and German stations.

Temperature highest 78° at Lisbon, 75° at Constantinople, 74° at La. Calle and Nicolaieff, and 73° at Corunna, Rharhor and Odessa; about 65° over Spain the central and southern parts of the Mediterranean and a considerable portion of Russia, as well as in Ireland and north Wales and as high as 70° at Belmullet. Lowest 49° at Shields, 50° at Bodo, 51° at Stornoway, and 52° at Leith, Spurn Head and Loughborough; below 55° in many of the northern, eastern and central parts of Great Britain and also in many parts of central Europe. Rising during day to 75° or more in Ireland and the south-west of Scotland, and reaching 80° at some of the French stations.

Wind light or moderate from the End or NEnd over Denmark, the Baltic, North Germany, the Netherlands, France, Spain and England; light from the SEnd in Ireland. SWnd or Wnd in the north of Scandinavia, variable over central Europe, Russia and Italy; SEnd in Algeria. No important change occurring during day.

Barometer highest 30.4 ins. and upwards in a large anticyclone lying over Scandinavia and northern Russia. Lowest 29.9 ins. in a depression lying over the south-west of Spain and also in a small disturbance near Rome; 30.0 ins. and less in two small systems lying respectively over Silesia and over Baden and Bavaria. Slight fall of barometer taking place during day in many parts of western Europe but no important change shown in general distribution of pressure.

SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD

FROM THE 14TH TO 20TH JUNE 1891.

During this week the weather which at first was rather unsettled and showery over all the western and northern parts of the Kingdom, has improved steadily, so that on Friday and Saturday the only station in our Islands which had any rainfall was Sumburgh Head, and even there the falls were only 0.01 ins. Over the southeastern half of England the conditions were fine except on Monday evening, when thunderstorms occurred on most parts of the country, in addition to a uniform fall of rain, a very local squall and sharp shower passed over some of the southwestern suburbs of London. The spell of fine weather was brought about by the gradual movement in a NNEnd direction of an anticyclone, from the Bay of Biscay across France and England to Scotland and Norway. The wind which was at first Wnd and SWnd soon fell very light and variable, and a great deal of mist or fog prevailed. Wind then shifted slowly to the NEnd over all the more southern and eastern districts, bringing about a decrease of humidity and some fall of temperature, and at the close of the week was freshening a little in the Channel. The daily maxima ranged between 70° and 78° on several occasions after Tuesday but on none of them has the shaded thermometer touched 80°.

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.

The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden and Denmark the observations are taken at 8 p.m. (Christiania time).

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 *Tuesday 23rd June.* 1891.
 Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

STATIONS.		YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
		BAROM.	TEMP.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 4.)	SHADE TEMP.		Amount of Rainfall.	
				Reading at 32° F. and Sea Level.	Dry.		Direc.	Force. (0 to 12.)	Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.			Direc.	Force. (0 to 12.)		Max.
SCANDINAVIA.	Haparanda ...	30.32	60	2	0	6	30.41	+0.3	68	59	+9	NNE	2	C	*	72	45	—	
	Hernösand ...	30.40	66	2	2	6	30.41	+0.1	66	58	+5	SEW	2	C	*	72	50	—	
	Stockholm ...	30.33	65	NNE	2	6	30.34	-0.4	70	59	+4	N	2	C	*	73	53	—	
	Wisby ...	30.15	59	ENE	4	6	30.15	-0.8	71	57	+12	ENE	6	C	*	73	52	—	
	Bodö ...	30.50	40	2	0	f	30.54	+0.4	57	41	-5	2	0	0	0	53	41	—	
	Christiansund	30.45	53	WNW	1	6	30.44	-0.3	59	54	+7	ENE	3	C	2	59	52	—	
	Skudesnaes ...	30.30	60	WNW	6	C	30.33	-0.6	74	60	+11	E	2	6C	1	71	52	—	
	Christiania Fjord (Færd)	30.29	75	ENE	2	6	30.34	-0.4	67	60	+5	NNE	5	C	2	77	?	—	
	Skagen (The Scaw)	30.24	65	NE	2	6	30.30	-0.3	65	59	0	NE	3	C	3	77	59	—	
	Fanö ...	30.12	66	ENE	6	C	30.07	-1.6	64	57	-4	NE	4	C	*	75	57	—	
BRITISH ISLANDS.	Sumburgh Head	30.61	49	NE	3	f	30.32	-0.3	57	52	+8	NE	3	C	3	57	44	—	
	Stornoway ...	30.31	66	E	2	6	30.33	+0.2	58	57	-6	E	3	C	3	71	49	—	
	Wick ...	30.43	50	ESE	1	f	30.40	-0.3	52	51	-3	E	1	f	1	60	46	—	
	Nairn ...	30.29	64	ENE	2	6	30.37	+0.2	52	51	-6	2	0	om	0	66	49	—	
	Aberdeen ...	30.40	51	NE	2	f	30.35	-0.6	61	56	+4	NW	3	C	2	67	46	—	
	Leith ...	30.34	58	E	2	6	30.34	-0.5	57	53	+6	E	1	C	*	63	44	—	
	Shields ...	30.30	59	WNW	4	6C	30.27	-1.0	53	50	-2	NW	5	C	4	60	44	—	
	Spurn Head ...	30.17	57	NNE	6	6	30.08	-1.4	56	54	-1	NNE	5	0	4	61	54	—	
	York ...	30.25	67	ENE	3	6	30.15	-1.2	63	58	+3	NNE	3	C	*	74	51	—	
	Loughborough	30.15	68	NE	4	C	30.06	-1.6	64	58	+6	ENE	5	6Cg	*	73	54	—	
GERMANY & HOLLAND.	Ardrossan ...	30.28	72	NE	3	6	30.26	-0.6	66	57	+3	ENE	2	6m	1	70	40	—	
	Malin Head ...	30.25	64	E	2	6	30.28	-0.1	59	54	+2	ESE	3	C	1	66	55	—	
	Mullaghmore ...	30.23	68	ENE	3	6C	30.25	-0.1	64	60	+2	NNE	1	6Cw	2	72	57	—	
	Belmullet ...	30.20	76	N	1	6	30.21	0.0	68	64	+2	E	1	6C	*	76	53	—	
	Donaghadee ...	30.25	67	NE	2	6	30.27	-0.4	58	56	-2	NNE	4	m	2	72	58	—	
	Liverpool (Bidston)	30.17	70	NE	3	C	30.13	-1.1	66	58	+3	NE	2	6C	3	72	58	—	
	Holyhead ...	30.20	60	NNE	3	C	30.17	-0.8	59	58	-3	NE	4	C	3	65	56	—	
	Parsonstown ...	30.20	72	2	0	6	30.21	-0.5	65	60	0	NE	1	6C	*	75	56	—	
	Valencia ...	30.18	69	WNW	2	6m	30.18	-0.7	66	62	+3	2	0	cm	1	73	53	—	
	Roche's Point...	30.18	68	ESE	3	6	30.13	-0.7	68	61	+6	ENE	3	C	3	69	60	—	
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	30.11	70	NE	2	6C	30.04	-1.3	65	61	+2	NNE	4	6C	3	72	54	—	
	Scilly ...	30.07	63	NNE	4	C	29.96	-1.6	59	56	-1	NNE	5	of	4	63	54	0.01	
	Prawle Point ...	30.01	69	ENE	3	C	29.93	-1.7	58	58	-5	NE	5	7m	3	72	57	0.13	
	Jersey (St. Aubin's)	29.97	67	ENE	3	ogm	29.88	-1.8	53	57	+1	NE	3	ogm	3	69	57	—	
	Hurst Castle ...	30.00	69	NE	4	C	29.93	-1.9	57	57	-3	NE	2	7om	1	71	59	0.49	
	Dungeness ...	29.97	58	NE	5	7	29.88	-1.7	56	56	-6	NE	4	0	3	66	56	0.37	
	London ...	30.00	65	NE	4	0	29.95	-1.8	58	56	-3	NE	3	ogm	*	77	55	0.56	
	Oxford ...	30.07	61	NE	4	0	29.98	-1.9	60	56	+3	NNE	3	6C	*	74	56	0.06	
	Cambridge ...	30.08	66	N	2	C	29.95	-1.7	62	59	+2	NE	2	0	*	74	54	—	
	Yarmouth ...	30.06	58	NE	5	CT	29.97	-1.6	57	55	0	NE	4	C	4	60	53	0.02	
GERMANY & HOLLAND.	Cuxhaven ...	30.07	59	ENE	6	0	29.97	-1.4	60	59	0	ENE	5	0	*	71	59	—	
	Berlin ...	29.91	66	NNE	3	C	29.91	+0.5	66	61	+4	ESE	2	C	*	72	57	0.95	
	Wiesbaden ...	29.91	66	2	0	6	29.95	-0.4	62	59	+3	NNE	2	C	*	66	52	0.20	
	Munich ...	29.97	60	2H	4	C	30.04	+0.5	63	56	+4	E	1	C	*	72	48	—	
	The Helder ...	30.02	61	NNE	3	7	29.97	-1.4	60	58	0	NE	2	C	3	67	59	0.04	
	Brussels (9 a.m.)	29.97	53	NE	5	7	29.91	-1.2	57	55	-3	ESE	1	7	*	64	55	0.20	
	Cape Gris Nez	29.97	68	ENE	1	6C	29.88	-1.2	56	55	-3	NE	4	6C	4	59	52	0.55	
	Paris ...	29.97	65	E	3	0	29.83	-1.1	62	59	+4	NE	1	0	2	73	52	—	
	Brest ...	29.91	65	E	3	0	29.83	-1.1	59	58	+2	NE	2	0	2	68	52	—	
	Lorient ...	29.93	67	NE	4	C	29.85	-1.7	58	56	0	NE	3	0	2	68	55	—	
FRANCE AND BELGIUM.	Rochefort ...	29.81	68	WNW	4	C	29.77	-1.2	60	57	-2	NE	3	C	2	77	57	—	
	Belfort ...	29.86	62	NE	3	6C	29.79	-0.2	64	52	+3	NE	2	7	*	79	57	—	
	Lyons ...	29.86	63	ESE	2	0	29.91	+0.5	65	58	-1	NE	1	6C	1	72	53	—	
	Nice ...	29.88	63	2	0	6	29.91	+0.5	65	58	-1	NE	1	6C	1	72	53	—	
	Perpignan ...	29.85	68	NE	2	0	29.88	-0.3	70	65	+3	E	2	0	*	77	61	—	
	Biarritz ...	29.86	66	N	3	0	29.84	-0.8	64	59	+1	NW	3	0	1	77	63	—	
	Corunna ...	29.82	65	NW	4	6	29.82	-0.3	62	57	-2	W	4	0	2	72	59	—	
	Lisbon ...	29.82	65	NW	4	6	29.82	-0.3	62	57	-2	W	4	0	2	72	59	—	
	Corunna ...	29.82	65	NW	4	6	29.82	-0.3	62	57	-2	W	4	0	2	72	59	—	
	Lisbon ...	29.82	65	NW	4	6	29.82	-0.3	62	57	-2	W	4	0	2	72	59	—	

For Explanation of Columns, see bottom of p. 1.



† Received too late for insertion in Charts on p. 2.

for 8 a.m. on Tuesday, 23rd June, 1891.

EXPLANATION OF MAP

Changes since previous morning are stated in words.

$\rightarrow \rightarrow$ = forces above 10; \rightarrow = forces 8 to 10;
 \rightarrow = forces 5 to 7; \rightarrow = forces 1 to 4.
 \odot = dead calm.

 = Rough.  = High.

at 8.0 a.m. for the month of June
During the 20 Years: 1871—1890.

A hand-drawn weather map of the North Atlantic Ocean, showing isobars, wind directions, and weather conditions. The map includes latitude and longitude markings (20°N to 40°N, 10°W to 20°E). Key features include:

- Isobars:** Labeled with values such as 30.5, 30.4, 30.3, 30.2, 30.1, 30.0, 29.9, 29.8, 29.7, 29.6, 29.5, 29.4, 29.3, 29.2, 29.1, 29.0, 28.9, 28.8, 28.7, 28.6, 28.5, 28.4, 28.3, 28.2, 28.1, 28.0, 27.9, 27.8, 27.7, 27.6, 27.5, 27.4, 27.3, 27.2, 27.1, 27.0, 26.9, 26.8, 26.7, 26.6, 26.5, 26.4, 26.3, 26.2, 26.1, 26.0, 25.9, 25.8, 25.7, 25.6, 25.5, 25.4, 25.3, 25.2, 25.1, 25.0, 24.9, 24.8, 24.7, 24.6, 24.5, 24.4, 24.3, 24.2, 24.1, 24.0, 23.9, 23.8, 23.7, 23.6, 23.5, 23.4, 23.3, 23.2, 23.1, 23.0, 22.9, 22.8, 22.7, 22.6, 22.5, 22.4, 22.3, 22.2, 22.1, 22.0, 21.9, 21.8, 21.7, 21.6, 21.5, 21.4, 21.3, 21.2, 21.1, 21.0, 20.9, 20.8, 20.7, 20.6, 20.5, 20.4, 20.3, 20.2, 20.1, 20.0, 19.9, 19.8, 19.7, 19.6, 19.5, 19.4, 19.3, 19.2, 19.1, 19.0, 18.9, 18.8, 18.7, 18.6, 18.5, 18.4, 18.3, 18.2, 18.1, 18.0, 17.9, 17.8, 17.7, 17.6, 17.5, 17.4, 17.3, 17.2, 17.1, 17.0, 16.9, 16.8, 16.7, 16.6, 16.5, 16.4, 16.3, 16.2, 16.1, 16.0, 15.9, 15.8, 15.7, 15.6, 15.5, 15.4, 15.3, 15.2, 15.1, 15.0, 14.9, 14.8, 14.7, 14.6, 14.5, 14.4, 14.3, 14.2, 14.1, 14.0, 13.9, 13.8, 13.7, 13.6, 13.5, 13.4, 13.3, 13.2, 13.1, 13.0, 12.9, 12.8, 12.7, 12.6, 12.5, 12.4, 12.3, 12.2, 12.1, 12.0, 11.9, 11.8, 11.7, 11.6, 11.5, 11.4, 11.3, 11.2, 11.1, 11.0, 10.9, 10.8, 10.7, 10.6, 10.5, 10.4, 10.3, 10.2, 10.1, 10.0, 9.9, 9.8, 9.7, 9.6, 9.5, 9.4, 9.3, 9.2, 9.1, 9.0, 8.9, 8.8, 8.7, 8.6, 8.5, 8.4, 8.3, 8.2, 8.1, 8.0, 7.9, 7.8, 7.7, 7.6, 7.5, 7.4, 7.3, 7.2, 7.1, 7.0, 6.9, 6.8, 6.7, 6.6, 6.5, 6.4, 6.3, 6.2, 6.1, 6.0, 5.9, 5.8, 5.7, 5.6, 5.5, 5.4, 5.3, 5.2, 5.1, 5.0, 4.9, 4.8, 4.7, 4.6, 4.5, 4.4, 4.3, 4.2, 4.1, 4.0, 3.9, 3.8, 3.7, 3.6, 3.5, 3.4, 3.3, 3.2, 3.1, 3.0, 2.9, 2.8, 2.7, 2.6, 2.5, 2.4, 2.3, 2.2, 2.1, 2.0, 1.9, 1.8, 1.7, 1.6, 1.5, 1.4, 1.3, 1.2, 1.1, 1.0, 0.9, 0.8, 0.7, 0.6, 0.5, 0.4, 0.3, 0.2, 0.1, 0.0, -0.1, -0.2, -0.3, -0.4, -0.5, -0.6, -0.7, -0.8, -0.9, -1.0, -1.1, -1.2, -1.3, -1.4, -1.5, -1.6, -1.7, -1.8, -1.9, -2.0, -2.1, -2.2, -2.3, -2.4, -2.5, -2.6, -2.7, -2.8, -2.9, -3.0, -3.1, -3.2, -3.3, -3.4, -3.5, -3.6, -3.7, -3.8, -3.9, -4.0, -4.1, -4.2, -4.3, -4.4, -4.5, -4.6, -4.7, -4.8, -4.9, -5.0, -5.1, -5.2, -5.3, -5.4, -5.5, -5.6, -5.7, -5.8, -5.9, -6.0, -6.1, -6.2, -6.3, -6.4, -6.5, -6.6, -6.7, -6.8, -6.9, -7.0, -7.1, -7.2, -7.3, -7.4, -7.5, -7.6, -7.7, -7.8, -7.9, -8.0, -8.1, -8.2, -8.3, -8.4, -8.5, -8.6, -8.7, -8.8, -8.9, -9.0, -9.1, -9.2, -9.3, -9.4, -9.5, -9.6, -9.7, -9.8, -9.9, -10.0, -10.1, -10.2, -10.3, -10.4, -10.5, -10.6, -10.7, -10.8, -10.9, -11.0, -11.1, -11.2, -11.3, -11.4, -11.5, -11.6, -11.7, -11.8, -11.9, -12.0, -12.1, -12.2, -12.3, -12.4, -12.5, -12.6, -12.7, -12.8, -12.9, -13.0, -13.1, -13.2, -13.3, -13.4, -13.5, -13.6, -13.7, -13.8, -13.9, -14.0, -14.1, -14.2, -14.3, -14.4, -14.5, -14.6, -14.7, -14.8, -14.9, -15.0, -15.1, -15.2, -15.3, -15.4, -15.5, -15.6, -15.7, -15.8, -15.9, -16.0, -16.1, -16.2, -16.3, -16.4, -16.5, -16.6, -16.7, -16.8, -16.9, -17.0, -17.1, -17.2, -17.3, -17.4, -17.5, -17.6, -17.7, -17.8, -17.9, -18.0, -18.1, -18.2, -18.3, -18.4, -18.5, -18.6, -18.7, -18.8, -18.9, -19.0, -19.1, -19.2, -19.3, -19.4, -19.5, -19.6, -19.7, -19.8, -19.9, -20.0, -20.1, -20.2, -20.3, -20.4, -20.5, -20.6, -20.7, -20.8, -20.9, -21.0, -21.1, -21.2, -21.3, -21.4, -21.5, -21.6, -21.7, -21.8, -21.9, -22.0, -22.1, -22.2, -22.3, -22.4, -22.5, -22.6, -22.7, -22.8, -22.9, -23.0, -23.1, -23.2, -23.3, -23.4, -23.5, -23.6, -23.7, -23.8, -23.9, -24.0, -24.1, -24.2, -24.3, -24.4, -24.5, -24.6, -24.7, -24.8, -24.9, -25.0, -25.1, -25.2, -25.3, -25.4, -25.5, -25.6, -25.7, -25.8, -25.9, -26.0, -26.1, -26.2, -26.3, -26.4, -26.5, -26.6, -26.7, -26.8, -26.9, -27.0, -27.1, -27.2, -27.3, -27.4, -27.5, -27.6, -27.7, -27.8, -27.9, -28.0, -28.1, -28.2, -28.3, -28.4, -28.5, -28.6, -28.7, -28.8, -28.9, -29.0, -29.1, -29.2, -29.3, -29.4, -29.5, -29.6, -29.7, -29.8, -29.9, -30.0, -30.1, -30.2, -30.3, -30.4, -30.5, -30.6, -30.7, -30.8, -30.9, -31.0, -31.1, -31.2, -31.3, -31.4, -31.5, -31.6, -31.7, -31.8, -31.9, -32.0, -32.1, -32.2, -32.3, -32.4, -32.5, -32.6, -32.7, -32.8, -32.9, -33.0, -33.1, -33.2, -33.3, -33.4, -33.5, -33.6, -33.7, -33.8, -33.9, -34.0, -34.1, -34.2, -34.3, -34.4, -34.5, -34.6, -34.7, -34.8, -34.9, -35.0, -35.1, -35.2, -35.3, -35.4, -35.5, -35.6, -35.7, -35.8, -35.9, -36.0, -36.1, -36.2, -36.3, -36.4, -36.5, -36.6, -36.7, -36.8, -36.9, -37.0, -37.1, -37.2, -37.3, -37.4, -37.5, -37.6, -37.7, -37.8, -37.9, -38.0, -38.1, -38.2, -38.3, -38.4, -38.5, -38.6, -38.7, -38.8, -38.9, -39.0, -39.1, -39.2

TEMPERATURE—Isotherms are drawn for each 10°. Changes since previous morning are stated in words.

RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

(For the month of June.)

A hand-drawn map of Europe and surrounding regions, including parts of North Africa, the Middle East, and Asia. The map is overlaid with a grid of latitude and longitude lines. Various handwritten annotations are present, including:

- Geographical Labels:** "COLDER", "GENERAL", "WARMER", "RATHER", "fallen", "Bain m", "COOLER", "W A B E", "M E", "H A S E R E", "O F", "gm", "cm".
- Temperature/Weather Data:** Numerous numbers (e.g., 57, 60, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100) and symbols (e.g., f, b, c, o, m, e, h, s, r, e, o, f, gm, cm) are scattered across the map, likely representing temperature readings or weather conditions.
- Other Markings:** A circle is drawn around the number "74". A dashed line encircles the "Bain m" and "COOLER" area. A solid line separates the "COLDER" region from the "WARMER" region.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.4 in. to 30.5 in. and upwards, in an anticyclone lying over the northern part of Scandinavia and the North Sea.
 Lowest, 29.8 in. and less, in a small shallow depression lying over the west of France, near Rochefort.
 Gradients moderate over the North Sea, Denmark, and the Baltic, but slight elsewhere.
 Barometer rising a little in the extreme north-west of our Islands, as well as in Sweden and Germany, but falling elsewhere.

TEMPERATURE

Highest, 74° at Kandel, 71° at Mirey, 70° at Stockholm and Perpignan, 68° at Haparanda, Belmullet and Rock Point, and 67° at Yver.
 Lowest, 51° at Kandel, 52° at Mirey, 51° at Stockholm and Shields, and 50° at Yver, Dungeness, and Cape Gris Nez.
 The highest maxima recorded over our Islands yesterday were 78° at Ardara, 77° in London, and 76° at Belmullet.

WIND

Light to fresh from the NEnd over the greater part of our Islands, the North Sea, Denmark, the Netherlands, the south of Scandinavia and the north of France, but NW^{ly} on the northeast coast of Great Britain.
 Variable in Germany, E^{ly} in the south of France, but NW^{ly} at Biarritz, and W^{ly} at Lisbon.

WEATHER

Rainy in the extreme south of England, as well as at Brussels; dull at several of the French stations and also at Lisbon.
 Fine in nearly all other parts of our area, but foggy at Mirey.
 Since yesterday morning rain has fallen over Germany, the Netherlands, and the south and south-west of England, the largest amount being 2 in. at Sittenhouse, 1.0 in. at Berlin and 0.6 in. in London.

SEA

Moderate off our east and southeast coasts as well as at Scilly, but slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Conditions remain favourable for the development of shallow depressions over France, and their extension over England, so that the unsettled rainy weather now prevailing in the south is likely to spread gradually northwards.

FORECASTS

For the 24 hours ending at NOON on 24th JUNE 1891.

DISTRICTS.

FORECASTS.

- 0 SCOTLAND NORTH
- 1 SCOTLAND EAST
- 2 ENGLAND N.E.
- 3 ENGLAND EAST
- 4 MIDLAND COUNTIES
- 5 ENGLAND SOUTH

E^{ly} and NE^{ly} winds, fair generally.

Same as No 5.

NE^{ly} winds, moderate; fair to dull and some rain, possibly thunder.

NE^{ly} winds, moderate inland, fresh on coast; dull, rain at times, possibly thunder.

DISTRICTS.

FORECASTS.

- 6 SCOTLAND WEST
- 7 ENGLAND N.W.
- 8 ENGLAND S.W.
- 9 IRELAND NORTH
- 10 IRELAND SOUTH

Same as No 0 and 1.

Same as No 4.



Same as No 5.

Same as No 0 and 1.

NE^{ly} winds, light, fine to dull and some rain.

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.		WIND		WEA.	SEA		BAR.	D.	W.	THER.		WIND		WEA.	SEA
		D.	W.	D.	F.							D.	W.	D.	F.		
Skudesnaes ...	30.35	70	60	NNW	2	C	1		Holyhead ...	30.23	60	57	NNW	3	6	2	
Sumburgh Head ...	30.44	57	51	NE	2	f	3		Valencia ...	30.19	72	63	WNN	3	6m	3	
Stornoway ...	30.81	67	64	E	2	6	2		Scilly ...	30.07	63	57	NE	4	3m	4	
Aberdeen ...	30.40	53	53	ENE	2	6	1		Jersey ...	29.99	68	62	NNW	3	6C	3	
Shields ...	30.81	60	53	NW	4	C	3		Dungeness ...	30.02	60	57	NE	5	7	3	
Ardrossan ...	30.28	71	68	NE	3	6	1		London ...	30.07	70	64	NE	3	0	*	
Malin Head ...	30.27	68	53	SE	4	6	2		Yarmouth ...	30.11	59	57	NE	4	6C	4	
Mullaghmore ...	30.24	72	63	E	4	6	2		Rochefort ...	29.87	71	64	WNW	3	C		
Belmullet ...	30.20	76	69	SW	1	6	*										

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

Weather in morning dull and unsettled over southeastern and central Europe and some of the northern parts of France, dull in the inland parts of England, rain falling over Belgium and North Germany, thunder and lightning reported at New Fahrwasser. Fine and bright elsewhere, but with a rather unsettled appearance in London. Rain later over Germany, the Netherlands, the northeast of France, and southern counties of England - heavy at Berlin, Dungeness, and in London.

Temperature risen over east and south Germany, and in several parts of England, as well as in the south of France. Morning readings exceeding 70° over southern Russia, at Constantinople, and on the southern shores of the Mediterranean, and ranging between 67° and 69° in the south of France; exceeding 60° in the south and west of our Islands, on the eastern shores of the North Sea, and in the north of Russia. Lowest 49° at Sumburgh Head, 51° at Leith, 52° at Christiansund, 54° at Shields, and 55° at Wick. Rising during day to between 70° and 77° in many parts of Ireland, England, and France, and to between 66° and 72° over Germany; becoming very "close" in London.

Wind very light and variable over Ireland, Scotland, Norway, and the northern parts of Sweden and Russia; moderate NE over the Baltic, the eastern and southern shores of the North Sea, as well as over England, the Channel, the north of France, and Bay of Biscay; light and variable over southwestern, southern, southeastern, and Central Europe. Freshening from NE. in east and south of England later.

Barometer highest 30.5 ins: and more to 30.3 ins: in an anticyclone covering northern Europe, Scotland, and the northern parts of the German Ocean. Below 30.0 ins: over the whole of southern, southeastern and central Europe, the Mediterranean and Algeria, and lowest 29.8 ins: and less, in a depression near Nicolaieff, and 29.9 ins: and less, in others lying over the southwest of France, the western half of the Spanish Peninsula, and Morocco. Falling in our Islands later, most in south and southeast. Continental low pressure system spreading northwards.

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.

The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden and Denmark the observations are taken at 8 p.m. (Christiania time).

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 *Wednesday, 24th June, 1891.*
Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

Received of the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

STATIONS.	YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	BAROM.	TEMP.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 6.)	SHADE TEMP.			
	Reading at 32° F. and Sea Level.	Dry.	Dirce.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dirce.	Force. (0 to 12.)			Max.	Min.	Amount of Rainfall.	
SCANDINAVIA.																		
Haparanda ...	30.35	70	Z	0	b	30.30	-11	67	59	-1	NW	2	0	*	75	50	-	
Hernösand ...	30.41	70	Z	0	b	30.41	00	69	59	+3	NE	2	0	*	86	54	-	
Stockholm ...	30.37	67	ESE	2	b	30.38	+04	73	62	+3	NE	2	0	*	75	54	-	
Wisby ...	30.18	59	ESE	6	b	30.24	+09	69	59	-2	E	6	0	*	75	55	-	
Bodö ...	30.50	53	Z	0	0	30.43	-11	55	50	+4	SW	1	0	1	57	48	-	
BRITISH ISLANDS.																		
Christiansund	30.39	63	NE	5	b	30.35	-09	71	61	+12	S	1	0	1	72	59	-	
Skudesnaes ...	30.28	72	Z	0	bc	30.34	+01	71	61	-3	ESE	2	0	1	84	61	-	
Christiania Fjord (Færd)	30.31	69	SE	3	b	30.38	+04	66	60	-1	NNE	5	0	2	73	63	-	
Skagen (The Scaw)	30.23	65	NE	2	b	30.29	-01	66	61	+1	ESE	2	0	2	77	63	-	
Fanö ...	30.14	62	E	4	bc	30.16	+09	68	63	+4	E	4	0	*	73	61	-	
Sumburgh Head	30.33	55	NE	3	b	30.31	-08	59	55	+2	NE	3	0	3	62	49	-	
Stornoway ...	30.26	59	NE	4	b	30.19	-14	56	54	-2	NE	3	0	5	67	49	-	
Wick ...	30.34	50	SE	1	f	30.26	-14	58	56	+6	SE	1	0	0	58	48	-	
Nairn ...	30.29	55	ESE	1	0	30.20	-17	55	54	+3	ESE	1	0	1	59	49	-	
Aberdeen ...	30.30	59	NE	2	b	30.21	-14	56	53	-5	NE	2	0	2	65	55	0.02	
Leith ...	30.23	55	E	3	b	30.14	-20	55	54	-2	E	2	0	*	63	52	-	
Shields ...	30.11	56	NW	4	c	30.09	-14	55	55	+3	NE	2	0	3	56	49	-	
Spurn Head ...	29.98	54	NNE	4	om	30.00	-08	58	56	+2	ESE	3	0	3	58	52	0.27	
York ...	30.05	59	N	3	r	30.02	-13	59	58	-4	NE	3	0	*	69	53	0.06	
Loughborough	29.97	57	NE	4	r	29.97	-09	60	59	-4	ESE	1	0	*	72	55	0.14	
GERMANY & HOLLAND.																		
Ardrossan ...	30.14	69	NE	3	bc	30.07	-19	64	59	-2	NE	3	0	2	79	56	-	
Malin Head ...	30.15	59	NE	2	b	30.04	-24	57	55	-2	SE	5	0	1	65	55	-	
Mullaghmore ...	30.12	68	NE	5	bm	30.00	-25	60	59	-4	E	5	0	3	74	56	-	
Belmullet ...	30.11	68	NE	2	b	29.96	-25	66	63	-2	ESE	2	0	*	74	56	-	
Donaghadee ...	30.10	66	NE	4	bc	30.04	-23	59	57	+1	NE	3	0	1	69	57	-	
FRANCE AND BELGIUM.																		
Liverpool (Bidston)	29.99	61	NE	3	0	29.95	-18	65	60	-1	ESE	4	0	3	76	57	0.03	
Holyhead ...	30.00	65	ESE	4	bc	29.95	-22	62	52	+3	E	4	0	4	66	55	0.02	
Parsonstown ...	30.04	74	NE	1	bc	29.93	-28	58	56	-7	SE	2	0	*	77	57	-	
Valencia ...	30.01	76	NNE	2	bm	29.97	-26	64	60	-2	ESE	1	0	1	78	59	-	
Roche's Point...	30.00	75	ESE	3	b	29.88	-25	58	56	-10	E	3	0	3	79	57	0.01	
Pembroke (St. Ann's Hd.)	29.89	70	NNE	3	c	29.86	-18	59	58	-6	E	2	0	2	72	56	0.03	
Scilly ...	29.86	59	NE	2	0	29.78	-18	59	57	0	E	4	0	3	61	56	0.06	
Prawle Point ...	29.85	59	ESE	3	r	29.82	-11	54	54	-4	ESE	2	0	1	60	54	0.38	
Jersey (St. Aubin's)	29.78	64	NE	5	og	29.81	-07	62	60	+3	ESE	3	0	3	69	56	0.03	
Hurst Castle ...	29.85	61	NE	2	m	29.86	-07	60	60	+1	SSW	4	0	1	62	58	0.33	
Dungeness ...	29.85	59	NE	4	otf	29.87	-01	61	59	+5	ESE	4	0	2	62	56	0.61	
London ...	29.88	59	NE	2	og	29.90	-05	64	62	+6	NE	2	0	*	64	57	0.03	
Oxford ...	29.92	56	NNE	2	r	29.90	-08	61	60	+1	NE	1	0	*	65	56	0.09	
Cambridge ...	29.94	60	ESE	2	rl	29.92	-07	63	60	+1	E	1	0	*	67	55	0.20	
Yarmouth ...	29.92	55	ESE	4	opdm	29.99	-00	58	57	+1	E	1	0	3	58	54	0.34	
GERMANY & HOLLAND.																		
Cuxhaven ...	30.02	62	E	3	m	30.09	+10	59	58	-1	E	2	0	*	69	58	-	
Berlin ...	30.02	75	Z	0	b	30.04	+05	66	62	0	NW	3	0	*	82	61	-	
Wiesbaden ...	*	*	*	*	*	30.02	+07	69	61	+7	SE	1	0	*	77	57	-	
Munich ...	30.02	63	NE	4	b	30.07	+03	65	60	+2	SE	2	0	*	75	50	-	
The Helder ...	29.99	62	E	1	b	30.04	+07	64	62	+4	E	1	0	1	66	59	-	
FRANCE AND BELGIUM.																		
Brussels (9 a.m.)	*	*	*	*	*	29.95	+04	71	62	+14	E	2	0	*	75	57	0.28	
Cape Gris Nez	29.82	56	NE	4	f	29.88	00	62	59	+6	SE	1	0	2	62	54	0.47	
Paris ...	29.83	69	SE	2	bc	29.90	+03	66	61	+4	ESE	2	0	*	71	60	-	
Brest ...	?	63	E	3	b	?	?	58	56	-1	Z	0	0	2	79	54	-	
Lorient ...	29.79	61	W	2	t	29.77	-08	60	59	+2	NW	2	0	2	72	57	0.24	
FRANCE AND BELGIUM.																		
Rochefort ...	29.71	68	NW	3	b	29.75	-02	63	61	+3	ESE	3	0	*	79	60	-	
Belfort ...	?	67	NW	2	bc	?	?	68	64	+4	N	3	0	*	75	52	-	
Lyons ...	29.92	68	S	2	bc	29.95	+02	57	57	-6	N	1	0	*	73	55	0.12	
Nice ...	30.02	66	Z	0	c	29.97	-04	63	57	-2	SE	1	0	3	68	59	0.04	
Perpignan ...	29.89	65	SE	3	0	29.86	-02	64	64	-6	SE	2	0	*	73	62	0.08	
Biarritz ...	29.80	65	NNE	3	0	29.79	-05	66	63	+2	ESE	1	0	1	70	61	0.43	
PENINSULA.																		
Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
Lisbon ...	29.84	65	NW	4	0	29.90	+08	65	59	+3	NW	5	0	2	70	62	-	

For Explanation of Columns, see bottom of p. 4.

† Received too late for insertion in Charts on p. 2.

WEATHER CHARTS

for 8 a.m. on Wednesday, 24th June, 1891.

BAROMETER, WIND AND SEA.

EXPLANATION OF MAP

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

Changes since previous morning are stated in words.

WIND—Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force thus—

→ = forces above 10; → = forces 8 to 10;
→ = forces 5 to 7; → = forces 1 to 4.
○ = dead calm.

SEA DISTURBANCE—Where considerable, is shown thus:

▨ = Rough. ▨ = High.

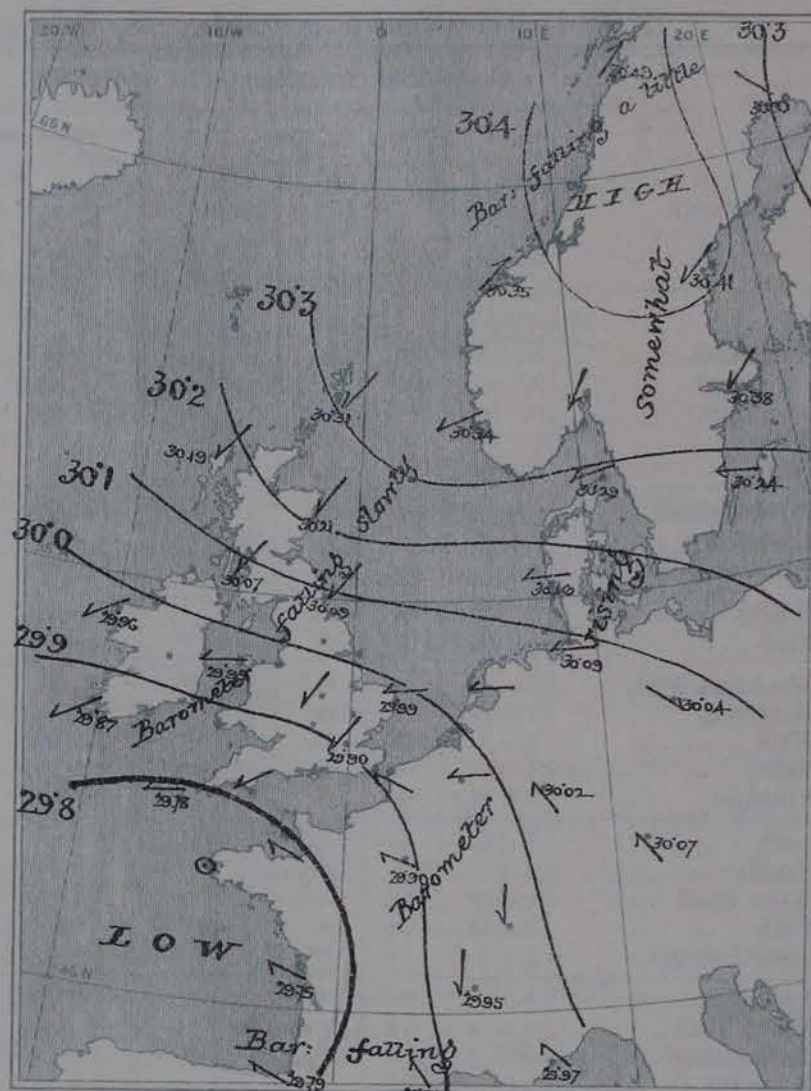
MEAN HEIGHT OF THE BAROMETER

at 8.0 a.m. for the month of June
During the 20 Years: 1871—1890.

STATIONS.

MEAN READINGS.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.883
Stornoway	29.876
Wick	29.898
Nairn	29.904
Aberdeen	29.916
Leith	29.930
Shields	29.948
Spurn Head	29.964
York	29.969
Loughborough	29.980
Ardrossan	29.932
Mullaghmore	29.936
Donaghadee	29.940
Holyhead	29.966
Liverpool	29.966
Parsonstown	29.972
Valencia	29.975
Roche's Point	29.973
Pembroke	29.974
Scilly	29.993
Prawle Point	30.007
Jersey	30.010
Hurst Castle	29.998
Dover	29.982
LONDON	29.992
Oxford	29.986
Cambridge	29.985
Yarmouth	29.977



TEMPERATURE, & WEATHER AT 8 A.M., WITH RAINFALL IN PAST 24 HOURS.

TEMPERATURE—Isotherms are drawn for each 10°. Changes since previous morning are stated in words.

WEATHER is shown by Letters of the Beaufort Scale.

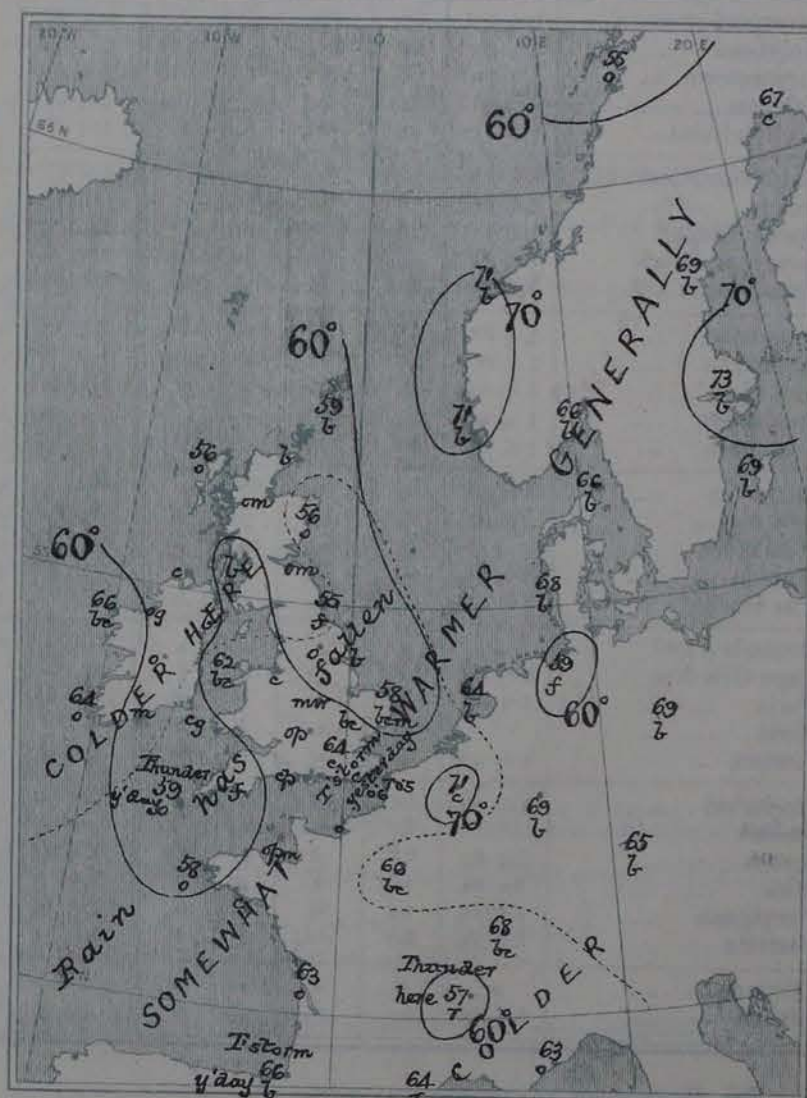
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of June.)

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily	Daily	at 8 a.m.		
	Max.	Min.	Dry.	Wet.	
Sumburgh Head...	54.6	45.0	50.3	48.6	1.08
Stornoway	58.0	45.9	53.3	51.1	2.85
Wick	58.9	45.5	53.3	50.7	1.71
Nairn	62.2	47.8	54.3	50.6	1.70
Aberdeen	61.2	47.2	54.8	50.8	1.77
Leith	63.9	47.9	55.9	52.3	1.80
Shields	60.0	48.7	54.8	51.7	1.71
Spurn Head.....	60.4	51.4	55.3	52.8	1.31
York	66.1	48.4	56.2	52.7	2.17
Loughborough	68.0	49.0	57.8	53.9	2.22
Ardrossan	62.0	49.5	55.1	52.1	2.19
Mullaghmore	61.1	51.4	54.9	52.0	2.79
Donaghadee	61.2	49.3	55.0	52.8	1.92
Holyhead	61.6	51.5	55.7	53.2	1.98
Liverpool	63.8	50.9	56.7	52.7	1.89
Parsonstown	64.5	48.5	58.0	52.6	2.39
Valencia	62.2	51.1	57.2	54.3	3.27
Roche's Point	64.5	51.1	56.8	53.6	3.13
Pembroke.....	60.3	51.5	55.2	53.1	1.94
Scilly	61.3	53.0	57.3	55.2	1.84
Prawle Point	61.5	50.5	56.9	54.6	1.60
Jersey	64.6	52.5	58.6	55.8	1.91
Hurst Castle	64.2	51.9	57.7	55.5	1.97
Dover	63.0	52.5	58.2	54.9	1.29
LONDON	69.1	56.6	58.9	54.6	2.11
Oxford	68.9	49.5	56.8	53.3	2.21
Cambridge	68.6	48.5	58.1	54.7	2.23
Yarmouth	62.0	51.1	56.9	54.0	1.88

NOTE.—The Temperature means are for the 20 years 1871-90, the Rainfall means are mainly those for the 25 years 1866-90.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.3 ins. and upwards, in an anticyclone lying over Scandinavia and the northern parts of the North Sea.
 Lowest, 29.8 ins. and less, in a large shallow depression lying over the Bay of Biscay, the coast of France, and the north of Spain.
 Gradients slight. Barometer falling in all the more western and northern parts of the United Kingdom and also in the west and south of France, but rising elsewhere.

TEMPERATURE

Highest, 73° at Stockholm, 71° at Christiansund, Skutumpah, and Rusele, and 69° at Hemstrand, Nisby and Niskaden.
 Lowest, 55° at Bodø, Næm, Leith, and Shields, 56° at Stromsø and Aberdeen, and 57° at Malin Head and Lyons.
 The highest maxima registered over our Islands yesterday were 79° at Ardara and Rockpoint, 78° at Valencia Id., and 77° at Llanberis.

WIND

Light to moderate from the E. or NE. over the United Kingdom, the North Sea, Denmark, the Netherlands, and the south of Scandinavia.
 Light from the SW. in the west of Norway, and from the SE. over France and the greater part of Germany.

WEATHER

Cloudy or overcast over the greater part of the United Kingdom and also in the west and south of France, with passing showers in the south of England, fog at some of the coast stations, and steady rain in the south of France.
 Fine in nearly all other parts of our area.
 Thunderstorms have occurred at several of our southern, southeastern, and the French stations; at Dungeness the accompanying rainfall amounted to 0.6 inch.

SEA

Slight or smooth on all coasts.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The shallow depression over the Bay of Biscay is apparently beginning to travel slowly in a northwesterly direction and unsettled weather is likely to set in over Ireland and the west of Scotland. Local thunder showers are still probable over England.

FORECASTS

For the 24 hours ending at NOON on 25th JUNE 1891.

DISTRICTS.

FORECASTS.

0	SCOTLAND NORTH	E ^{ly} winds, light; fine to dull and some rain.
1	SCOTLAND EAST	NE ^{ly} to E ^{ly} winds, light, dull, some rain, thunder locally.
2	ENGLAND N.E.	
3	ENGLAND EAST	E ^{ly} winds, light; changeable, some showers, thunder locally.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	

DISTRICTS.

FORECASTS.

6	SCOTLAND WEST	Same as N.O.
7	ENGLAND N.W.	
8	ENGLAND S.W.	E ^{ly} winds, moderate; cloudy, some showers, thunder locally.
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.

THER: WIND								THER: WIND							
BAR:	D.	W.	D.	F.	WEA.	SEA		BAR:	D.	W.	D.	F.	WEA.	SEA	
Skudesnaes ...	30.30	54	56	ENE	4	c	1	Holyhead ...	30.07	62	56	NNE	4	b	3
Sumburgh Head ...	30.32	53	52	NE	3	f	3	Valencia ...	30.05	78	66	NE	3	cq	4
Stornoway ...	30.29	62	60	NE	4	b	3	Scilly ...	29.91	61	58	NNE	5	o	4
Aberdeen ...	30.63	55	52	NE	4	bq	5	Jersey ...	29.82	68	63	NE	4	bc	3
Shields ...	30.18	54	52	N	4	c	4	Dungeness ...	29.86	60	59	NE	4	o	3
Ardrossan ...	30.18	76	60	NE	4	b	2	London ...	29.91	63	60	NE	2	og d	*
Malin Head ...	30.22	64	58	E	2	b	0	Yarmouth ...	29.95	56	55	NE	4	cp	4
Mullaghmore ...	30.16	72	63	N	1	b	2	Rocheport ...	29.74	72	65	WSW	3	b	*
Belmullet ...	30.17	71	67	NNE	2	bc	*								

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

Weather in morning continuing fine and bright over the western and northern parts of the United Kingdom, Norway, and northern Europe generally; fine also over Russia, central and southeastern Europe, and in Italy; cloudy and unsettled elsewhere, with rain at several of our southern stations, as well as at Bournemouth, Lyons, and Toulon. Rain later ^{all} over England, and a little at Aberdeen, as well as in many parts of France, thunder and lightning on our southeastern and southern coast and at Biarritz, fog in far north; weather fine over Germany, Scandinavia, Scotland, and Ireland.

Temperature changing irregularly; morning readings exceeding 70° over Central and southern Russia and on the southern side of the Mediterranean (81° at La Palme) and exceeding 65° over the greater part of central and northern Europe and many parts of the British Isles; lower elsewhere. Lowest 51° at Bock, 52° at Wick, Kinn, and Shields, 56° at Dungeness, 57° at Sisimiunde, 58° in London, 59° at Christiansund, Copenhagen, Prague, Vienna, and the Danube. Falling to reach 65° at several of the English stations later, but exceeding 70° at several of our western stations, and all but touching 80° in the west of France.

Wind very light and variable over Sweden, Norway, and Scotland, mainly NE over the Baltic, North Sea, the Channel, England and Ireland; very variable and light over the Continent generally; E in the south of France. Little change later.

Barometer highest 30.5 ins. and more to 30.3 ins. over Scandinavia, Ireland, and Scotland, and 30.0 ins. and more over Italy, Austria, southern, and central Germany. Lowest 29.8 ins. and less, over the southwest of France and central Spain, and rather below 30.0 ins. over Western Russia. Falling throughout over Ireland and France 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.

The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden and Denmark the observations are taken at 8 p.m. (Christiania time).

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 *Thursday 25th June* 1891.
 Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

R. H. SCOTT, Secretary.																	
YESTERDAY EVENING.																	
8 A.M. TO DAY.																	
PAST 24 HOURS.																	
STATIONS.																	
BAROMETER.																	
SHADE TEMP.																	
WIND.																	
SEA.																	
MAX. MIN. AMOUNT OF RAINFALL.																	
SCANDINAVIA.																	
Haparanda	30.57	60	SW	2	6c	29.97	-0.21	69	58	+2	NE	2	C	•	75	53	—
Hernösand	30.25	72	S	2	6c	30.12	-0.29	77	65	+8	W	2	C	•	80	52	—
Stockholm	30.32	70	S	0	6c	30.24	-0.14	70	62	+2	S	0	C	•	81	53	—
Wisby	30.24	63	E	4	6c	30.15	-0.09	63	60	-6	NE	2	C	•	79	54	—
Bodö	30.30	54	S	0	6c	30.20	-0.23	49	49	-6	N	2	C	•	57	48	—
Christiansund	30.31	69	S	0	6c	30.24	-0.11	67	61	-4	W	1	C	0	73	41	—
Skudesnaes	30.28	74	NNW	2	6c	30.22	-0.12	72	60	+1	ENE	2	C	1	84	53	—
Christiania Fjord	30.30	72	E	3	6c	30.26	-0.12	66	62	0	N	2	C	1	75	64	—
(Færder)																	
Skagen (The Scaw)	30.23	70	ENE	1	6c	30.26	-0.03	67	60	+1	ENE	1	C	0	79	63	—
Fanö	30.15	64	ENE	4	6c	30.09	-0.07	70	64	+2	E	4	C	*	77	59	—
Sumburgh Head	30.28	67	NE	1	6c	30.22	-0.09	68	60	+9	NE	2	6c	2	69	56	—
Stornoway	30.13	68	E	4	6c	30.09	-0.10	63	61	+7	E	3	C	3	69	57	—
Wick	30.25	57	E	1	0	30.21	-0.05	61	57	+3	E	1	C	1	65	50	—
Nairn	30.14	60	E	1	cm	30.13	-0.07	57	55	+2	ENE	1	cm	1	62	52	—
Aberdeen	30.20	55	NE	2	C	30.15	-0.06	59	56	+3	NE	2	C	2	59	51	—
Leith	30.15	57	E	3	0	30.09	-0.05	55	54	0	E	3	0	•	62	52	—
Shields	30.28	58	NE	2	C	30.03	-0.06	53	54	+1	NNW	3	C	3	60	57	—
Spurn Head	29.58	57	ESE	4	C	29.54	-0.06	57	55	-1	NNE	3	cm	3	60	54	—
York	30.01	71	ENE	2	6c	29.96	-0.06	65	62	+6	NNE	2	6c	•	76	54	—
Loughborough	29.54	74	ENE	3	6c	29.92	-0.05	59	58	-1	NNW	2	mg	•	80	57	0.08
Ardrossan	30.02	69	NE	5	6c	30.01	-0.06	65	59	+1	NE	4	C	2	74	56	—
Malin Head	29.99	62	E	3	6m	29.97	-0.05	53	54	-2	ENE	3	orm	1	64	53	—
Mullaghmore	29.94	66	ENE	4	6c	29.92	-0.08	60	58	0	E	5	orm	3	68	58	0.02
Belmullet	29.92	64	NE	1	6c	29.92	-0.07	56	55	-3	NE	5	C	3	69	53	0.29
Donaghadee	29.97	66	E	2	6c	29.97	-0.07	56	55	-3	NE	5	C	3	69	53	0.29
Liverpool (Bidston)	29.92	70	ENE	4	0	29.90	-0.05	61	60	-4	ENE	3	0	3	76	55	0.16
Holyhead	29.93	62	ESE	4	6m	29.91	-0.07	59	58	-3	ENE	2	6m	2	69	58	0.47
Parsonstown	29.98	70	S	0	6c	29.97	-0.06	60	59	+2	S	0	7	•	73	56	0.20
Valencia	29.86	65	SW	1	cm	29.84	-0.03	64	60	0	E	2	cm	2	70	55	0.05
Roche's Point	29.87	64	E	3	6c	29.85	-0.03	62	56	+4	ESE	2	6c	3	67	58	—
Pembroke (St. Ann's Hd.)	29.80	67	ESE	2	6c	29.82	-0.04	60	60	+1	ESE	2	6c	1	68	57	0.31
Scilly	29.80	59	ESE	2	orm	29.81	+0.03	59	59	0	ENE	2	f	1	60	55	—
Prawle Point	29.80	60	ENE	2	6c	29.82	0.00	61	61	+7	ENE	1	orm	0	61	53	0.02
Jersey (St. Aubin's)	29.83	70	ESE	3	6m	29.83	+0.02	64	60	+2	ESE	2	6m	2	73	58	—
Hurst Castle	29.85	61	E	3	C	29.83	-0.03	65	64	+5	ENE	3	C	1	70	60	0.18
Dungeness	29.85	63	ESE	3	6c	29.83	-0.04	66	64	+5	NE	3	mp	2	66	59	0.01
London	29.90	72	ESE	2	6c	29.87	-0.03	63	62	-1	NW	1	orm	•	73	60	0.14
Oxford	29.92	63	NE	1	ot	29.87	-0.05	61	60	0	NE	2	op	•	72	60	0.35
Cambridge	29.91	77	E	1	6c	29.88	-0.04	63	63	0	E	1	6c	•	78	58	0.48
Yarmouth	29.95	60	ENE	4	6c	29.90	-0.09	58	57	0	ESE	2	6c	3	62	56	—
Cuxhaven	30.08	65	E	3	6c	30.05	-0.04	63	60	+4	E	3	6c	•	71	59	—
Berlin	29.98	66	NNE	3	C	30.01	-0.03	69	66	+3	E	3	6c	•	81	63	1.06
Wiesbaden	29.97	67	NE	1	6c	29.98	-0.14	72	66	+3	E	1	6c	•	82	61	—
Munich	29.97	67	NE	1	6c	29.93	-0.14	65	60	0	E	1	C	•	77	53	—
The Helder	30.00	64	NE	2	6c	29.94	-0.10	65	62	+1	E	1	6c	2	68	63	—
Brussels (9 a.m.)	*	*	*	*	*	29.85	-0.10	75	368	+4	S	0	6c	•	82	62	0.04
Cape Gris Nez	29.85	75	ESE	2	C	29.84	-0.04	61	59	-1	NE	1	0	•	77	59	—
Paris	29.87	71	E	2	0	29.86	-0.04	71	61	+5	ESE	1	0	•	78	62	—
Brest	29.75	69	S	0	0	29.85	+0.08	60	58	+2	ESE	2	0	2	75	57	—
Lorient	29.85	65	SW	1	6c	29.85	+0.08	63	61	+3	ESE	2	0	2	68	57	—
Rochefort	29.78	66	NNW	3	C	29.84	+0.09	64	62	+1	SW	3	0	2	68	61	0.12
Belfort	29.78	66	N	3	6c	29.84	+0.09	63	59	-5	N	3	6c	•	81	59	—
Lyons	29.85	69	E	1	0	29.90	-0.05	64	62	+7	SW	1	0	3	75	61	0.12
Nice	29.94	66	E	6	T	29.92	-0.05	69	58	+6	E	4	C	•	77	61	0.08
Perpignan	29.88	63	S	0	T	29.93	+0.07	65	64	+1	SW	1	6c	•	68	55	0.03
Biarritz	29.87	65	N	3	6c	29.95	+0.16	66	61	0	W.	3	0	1	75	63	0.12
Corunna	30.02	*	NNW	4	6c	29.92	+0.02	66	64	0	SW	4	0	3	70	61	0.04
Lisbon	30.02	65	NNW	4	6c	30.04	+0.14	65	59	0	SW	2	0	2	72	61	—

WEATHER CHARTS

for 8 a.m. on Thursday, 25th June, 1891.

BAROMETER, WIND AND SEA.

EXPLANATION OF MAP

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

Changes since previous morning are stated in words.

WIND—Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force thus

→ = forces above 10; → = forces 8 to 10;
→ = forces 5 to 7; → = forces 1 to 4.
○ = dead calm.

SEA DISTURBANCE—Where considerable, is shown thus:

≡ = Rough. ≡ = High.

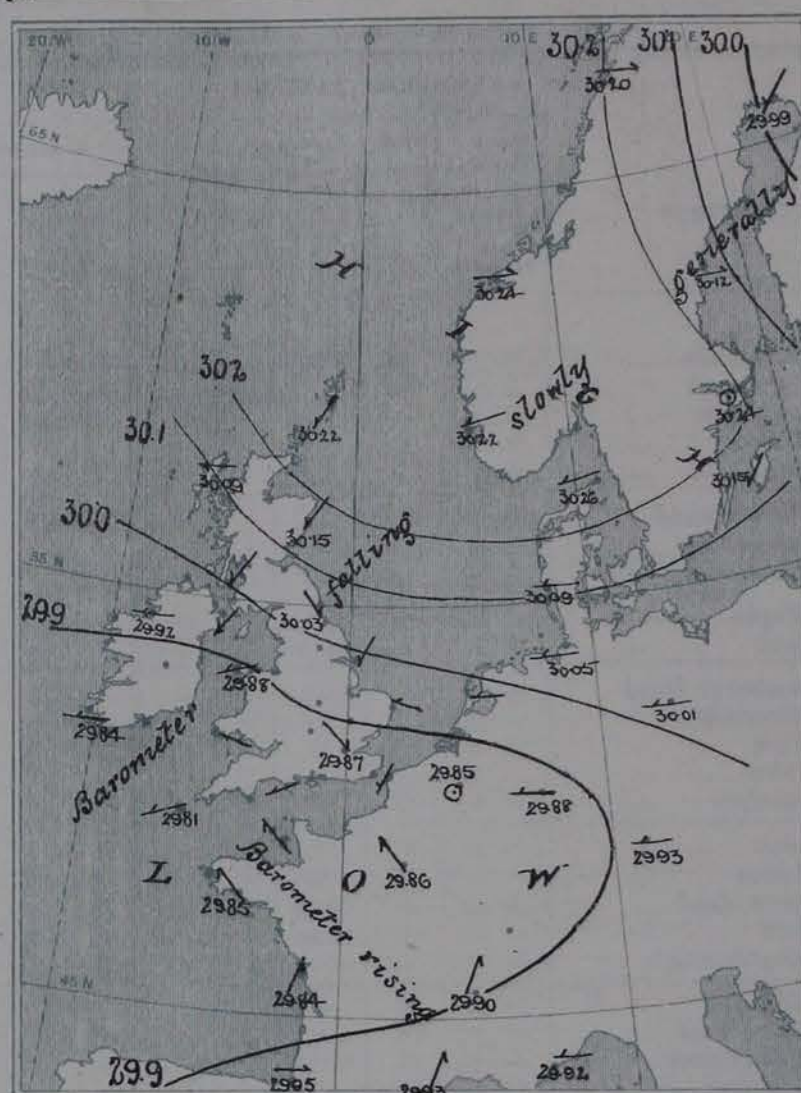
MEAN HEIGHT OF THE BAROMETER

at 8.0 a.m. for the month of June
During the 20 Years: 1871—1890.

STATIONS.

MEAN READINGS.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.883
Stornoway	29.876
Wick	29.898
Nairn	29.904
Aberdeen	29.916
Leith	29.930
Shields	29.945
Spurn Head	29.964
York	29.969
Loughborough	29.980
Ardrossan	29.932
Mullaghmore	29.936
Donaghadee	29.946
Holyhead	29.966
Liverpool	29.966
Parsonstown	29.972
Valencia	29.975
Roche's Point	29.973
Pembroke	29.971
Sally	29.990
Prawle Point	30.007
Jersey	30.010
Hurst Castle	29.998
Dover	29.982
LONDON	29.992
Oxford	29.986
Cambridge	29.985
Yarmouth	29.977



TEMPERATURE, & WEATHER AT 8 A.M., WITH RAINFALL IN PAST 24 HOURS.

TEMPERATURE—Isotherms are drawn for each 10°. Changes since previous morning are stated in words.

WEATHER is shown by Letters of the Beaufort Scale.

RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL. (For the month of June.)

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	at 8 a.m. Dry.	Wet.	
Sumburgh Head	54.6	45.0	50.3	48.6	1.98
Stornoway	58.0	45.9	53.3	51.1	2.85
Wick	58.9	45.5	53.3	50.7	1.74
Nairn	62.2	47.8	54.3	50.6	1.70
Aberdeen	61.2	47.2	54.8	50.8	1.77
Leith	63.0	47.9	55.9	52.3	1.80
Shields	60.0	48.7	54.8	51.7	1.71
Spurn Head	60.4	51.1	55.3	52.8	1.54
York	66.1	48.4	56.2	52.7	2.17
Loughborough	68.6	49.0	57.8	53.9	2.22
Ardrossan	62.0	49.5	55.1	52.1	2.49
Mullaghmore	61.1	51.4	54.9	52.0	2.79
Donaghadee	61.2	49.3	55.0	52.8	1.92
Holyhead	61.6	51.5	55.7	53.2	1.98
Liverpool	63.8	50.9	56.7	52.7	1.89
Parsonstown	64.5	48.5	56.0	52.6	2.39
Valencia	62.2	51.1	57.2	54.3	3.27
Roche's Point	64.5	51.1	56.8	53.6	3.13
Pembroke	60.3	51.5	55.2	53.1	1.94
Sally	61.3	53.0	57.3	55.2	1.84
Prawle Point	61.5	50.6	56.9	54.6	1.60
Jersey	64.6	52.6	58.6	55.8	1.91
Hurst Castle	64.2	51.9	57.7	55.5	1.97
Dover	63.0	52.5	58.2	54.9	1.59
LONDON	69.1	56.6	58.9	54.6	2.11
Oxford	66.9	49.5	56.8	53.3	2.24
Cambridge	68.6	48.5	58.1	54.7	2.23
Yarmouth	62.0	51.1	56.9	54.0	1.88

NOTE.—The Temperature means are for the 20 years 1871-90, the Rainfall means are mainly those for the 25 years 1866-90.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.2 ins: and upwards, in a large anticyclone lying over Scandinavia and the northern parts of the North Sea.
 Lowest, 29.9 ins: and less, in a shallow depression covering the greater part of England, Ireland, and France.
 Gradient slight. Barometer rising a little in Portugal and the west and south of France, but falling elsewhere.

TEMPERATURE

Highest, 77° at Hemsö and 75° at Stockholm and Brussels, 72° at Skutumpah and Wästana, 71° at Paris, and 70° at Rome and Nice.
 Lowest, 49° at Bodo, 55° at Leith and Malin Hd., 56° at Shields and Donaghadee, 57° at Spurn Hd., and 58° at Havre and Yarmouth.
 The highest maxima registered over our Islands yesterday were 80° at Loughborough, 78° at Cambridge and 76° at York and Liverpool.

WIND

Light from the Est or NEst over the United Kingdom, the North Sea, Denmark, the Baltic, Germany, the Netherlands, and the south of Scandinavia.
 Light from the SEst in the north of France and from the Sst or SWst in the south of that country.
 Wst over the northern parts of Scandinavia.

WEATHER

Changeable and showery over the greater part of England and Ireland, with thunderstorms at Holyhead and Cambridge.
 Dull in France; fine in Scandinavia, Denmark, Germany, the Netherlands, and many parts of Scotland.
 Thunderstorms occurred yesterday over nearly the whole of England, as well as at some of the French stations.

SEA

Slight or smooth on all coasts.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The large shallow depression is apparently spreading northwards, but beyond this there are no signs of any important change. Thundery weather is likely to continue over England, and may possibly reach Scotland in the course of the next twenty-four hours.

FORECASTS

For the 24 hours ending at NOON on 26th June

1891.

DISTRICTS.

FORECASTS.

- | | | |
|---|------------------|---|
| 0 | SCOTLAND NORTH | E st winds, light; fair to cloudy and some rain. |
| 1 | SCOTLAND EAST | |
| 2 | ENGLAND N.E. | NE st winds, light; fair generally but thunder showers locally. |
| 3 | ENGLAND EAST | |
| 4 | MIDLAND COUNTIES | Light breezes, chiefly E st ; changeable, some showers, thunder locally. |
| 5 | ENGLAND SOUTH | |

DISTRICTS.

FORECASTS.

- | | | |
|----|---------------|--|
| 6 | SCOTLAND WEST | Same as Nos 1 and 2. |
| 7 | ENGLAND N.W. | |
| 8 | ENGLAND S.W. | Same as Nos 3 to 5. |
| 9 | IRELAND NORTH | |
| 10 | IRELAND SOUTH | E st winds, light or moderate; changeable, some rain, possibly thunder. |
| | | |

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:		WIND		WEA.	SEA		BAR:	THER:		WIND		WEA.	SEA
		D.	W.	D.	F.					D.	W.	D.	F.		
Skudesnaes ...	30.30	64	64	E	2	C	1		Holyhead ...	29.92	62	59	NE	3	cg
Sumburgh Head ...	30.31	65	55	NE	2	C	3		Valencia ...	29.89	65	61	ESE	3	om
Stornoway ...	30.16	65	61	NE	4	C	4		Scilly ...	29.79	59	57	ESE	4	o
Aberdeen ...	30.22	56	54	NE	2	C	3		Jersey ...	29.85	69	62	SE	3	bcm
Shields ...	30.09	59	56	NE	2	C	3		Dungeness ...	29.51	66	62	ESE	3	bc
Ardrossan ...	30.04	74	68	NE	5	C	3		London ...	29.92	71	65	E	2	opt
Malin Head ...	30.02	62	59	ENE	2	bm	1		Yarmouth ...	29.55	62	59	E	3	6
Mullaghmore ...	29.96	67	61	ENE	5	bcm	2		Rochefort ...	29.80	62	62	WPN	3	T
Belmullet ...	29.96	65	63	NE	1	O	*								

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

Weather cloudy over the greater part of the United Kingdom and also in the west of France, with passing showers in the south of England, fog at some of the coast stations, and steady rain in the south of France. Fine in nearly all other parts of Europe but rainy at Cracow and Kharkov. Thunderstorms occurring during day at most of the English stations, and also in some parts of France, the accompanying showers being in many cases very heavy.

Temperature highest 91° at La Caille, 82° at Tunis, 76° at Odessa, and 75° at Florence, above 70° in many parts of southern and southeastern Europe, as well as at some of the Scandinavian stations. Lowest 48° at Archangel, 54° at Broulaourt, and 55° at Bodo, Narvik, Leith and Shields; below 60° in many parts of the United Kingdom, and also at some of the French and Austrian stations. Rising during day to between 75° and 80° over central England; minima during succeeding night as high as 60° in London and at Hunt Cote and Oxford and 59° at Jersey.

Wind light to moderate from the End or NEnd over the United Kingdom, the North Sea, Denmark, the Netherlands, north Germany and the south of Scandinavia, SW in the west of Norway, chiefly N in Russia and also in Italy, but variable in Poland and Austria. Light from the SEnd over France, western Germany, Algeria, and Central Spain. Subsequently shifting to the NWnd in the west of France, no important change occurring elsewhere.

Barometer highest 30.3 in. to 30.4 in. and upwards, in a large anticyclone lying over Scandinavia and the northern parts of the North Sea. Lowest 29.8 in. and less, in a large shallow depression over the Bay of Biscay and west of France, and also in a smaller system over Eastern Algeria; 30.0 in. and less, in a large shallow area lying over eastern Europe. No important change occurring during day but barometer falling in Scandinavia, and rising a little over France and Spain.

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.
The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden and Denmark the observations are taken at 8 p.m. (Christiania time).

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 *Friday, 26th June, 1891.*
 Issued by the Meteorological Office, 63, Victoria Street, London. *R. H. SCOTT, Secretary.*

R. H. SCOTT, Secretary.																		
8 A.M. TO DAY.																		
PAST 24 HOURS.																		
YESTERDAY EVENING.																		
BAROMETER.																		
SHADE TEMP.																		
WIND.																		
SEAS.																		
RAINFALL.																		
STATIONS.																		
BARON.																		
TEMP.																		
WIND.																		
WEATHER.																		
SEAS.																		
RAINFALL.																		
SCANDINAVIA.																		
Haparanda ...																		
Hernösand ...																		
Stockholm ...																		
Wishby ...																		
Bodö ...																		
Christiansund																		
Skudesnaes ...																		
Christiania Fjord																		
(Færder)																		
Skagen (The Scaw)																		
Fanö ...																		
Sumburgh Head																		
Stornoway ...																		
Wick ...																		
Nairn ...																		
Aberdeen ...																		
Leith ...																		
Shields ...																		
Spurn Head ...																		
York ...																		
Loughborough																		
Ardrossan ...																		
Malin Head ...																		
Mullaghmore ...																		
Belmullet ...																		
Donaghadee ...																		
Liverpool (Bidston)																		
Holyhead ...																		
Parsonstown ...																		
Valencia ...																		
Roche's Point...																		
Pembroke (St. Ann's Hd.)																		
Scilly ...																		
Prawle Point ...																		
Jersey (St. Aubin's)																		
Hurst Castle ...																		
Dungeness ...																		
London ...																		
Oxford ...																		
Cambridge ...																		
Yarmouth ...																		
Cuxhaven ...																		
Berlin ...																		
Wiesbaden ...																		
Munich ...																		
The Helder ...																		
Brussels (9 a.m.)																		
Cape Gris Nez																		
Paris ...																		
Brest ...																		
Lorient ...																		
Rochefort ...																		
Belfort ...																		
Lyons ...																		
Nice ...																		
Perpignan ...																		
Biarritz ...																		
Corunna ...																		
Lisbon ...																		

For Explanation of Columns, see bottom of p. 4.

† Received too late for insertion in Charts on p. 2.

WEATHER CHARTS

for 8 a.m. on Friday, 26th June, 1891.

BAROMETER, WIND AND SEA.

EXPLANATION OF MAP

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

Changes since previous morning are stated in words.

WIND—Arrows show the prevalent winds. They fly with the wind and

their barbs and feathers refer to force thus

→ forces above 10; → forces 8 to 10;

→ forces 5 to 7; → forces 1 to 4.

○ = dead calm.

SEA DISTURBANCE—Where considerable, is shown thus:

▨ = Rough. ▨ = High.

MEAN HEIGHT OF THE BAROMETER

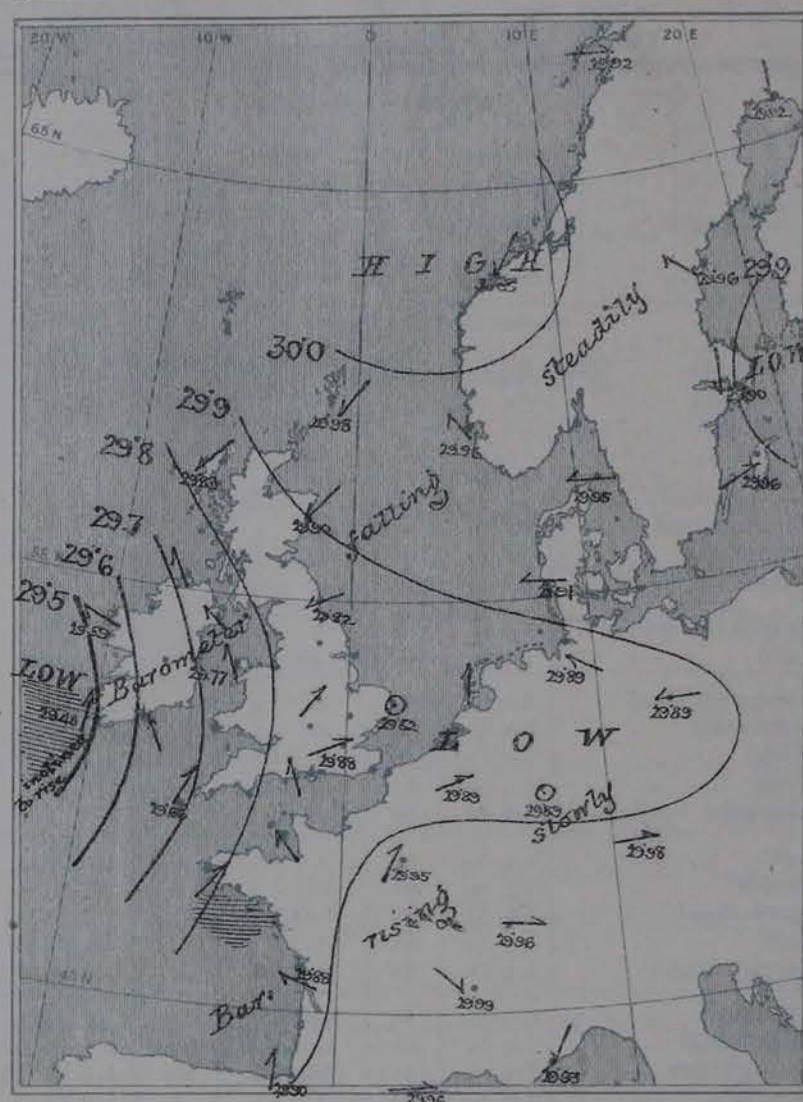
at 8.0 a.m. for the month of June.

During the 20 Years: 1871—1890.

STATIONS.

MEAN READINGS.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.883
Stornoway	29.876
Wick	29.898
Nairn	29.904
Aberdeen	29.916
Leith	29.930
Shields	29.948
Spurn Head	29.964
York	29.969
Loughborough	29.980
Ardrossan	29.932
Mullaghmore	29.936
Donaghadee	29.946
Holyhead	29.966
Liverpool	29.966
Parsonstown	29.972
Valencia	29.975
Roche's Point	29.973
Pembroke	29.974
Seilly	29.994
Prawle Point	30.007
Jersey	30.010
Hurst Castle	29.998
Dover	29.982
LONDON	29.992
Oxford	29.986
Cambridge	29.985
Yarmouth	29.977



TEMPERATURE, & WEATHER AT 8 A.M., WITH RAINFALL IN PAST 24 HOURS.

TEMPERATURE—Isotherms are drawn for each 10°. Changes since previous morning are stated in words.

WEATHER is shown by Letters of the Beaufort Scale.

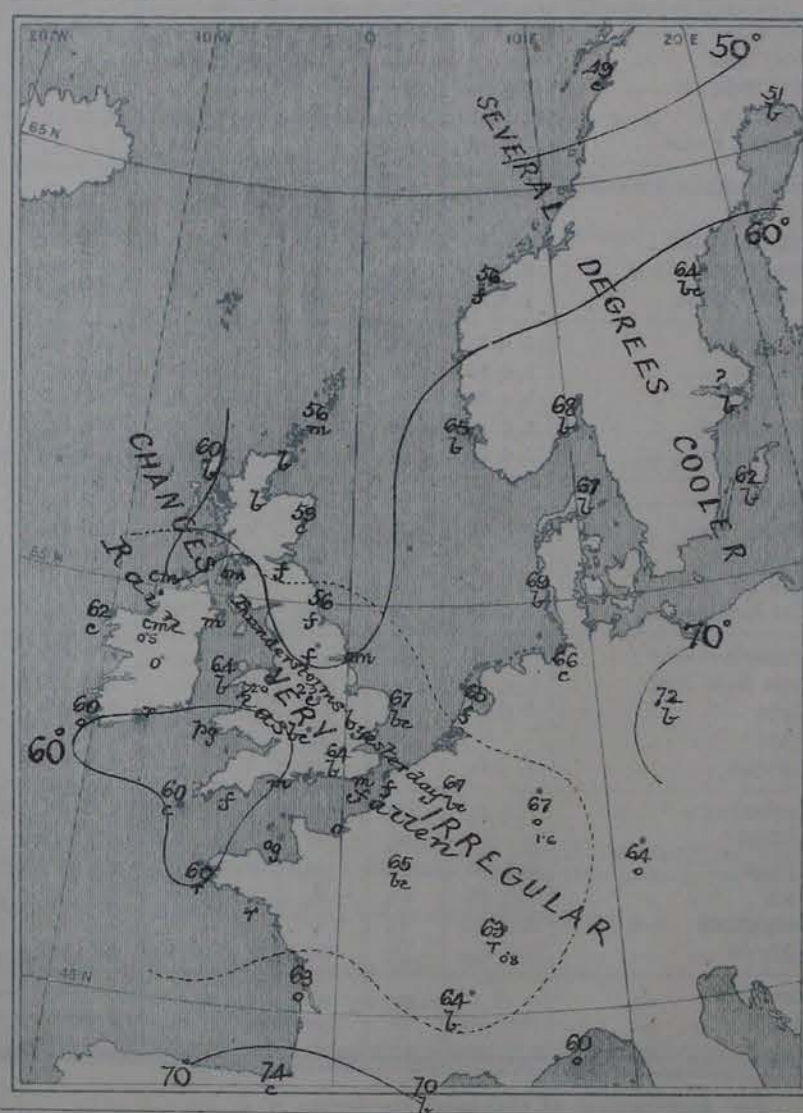
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of June.)

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily	Daily	at 8 a.m.		
	Max.	Min.	Dry.	Wet.	
Sumburgh Head.....	54.6	45.0	50.3	48.6	1.98
Stornoway	58.0	45.9	53.3	51.1	2.85
Wick	58.9	45.5	53.3	50.7	1.74
Nairn	62.2	47.3	54.3	50.6	1.70
Aberdeen	61.2	47.2	54.8	50.8	1.77
Leith	63.9	47.9	55.9	52.3	1.80
Shields	60.6	48.7	54.8	51.7	1.71
Spurn Head.....	60.4	51.4	55.3	52.8	1.54
York	65.1	48.4	56.2	52.7	2.17
Loughborough	68.6	49.0	57.8	53.9	2.22
Ardrossan	62.0	49.5	55.1	52.1	2.49
Mullaghmore	61.1	51.4	54.9	52.0	2.79
Donaghadee.....	61.2	49.3	55.0	52.8	1.92
Holyhead	61.6	51.5	55.7	53.2	1.98
Liverpool	63.8	50.9	55.7	52.7	1.89
Parsonstown	64.5	48.5	55.0	52.6	2.39
Valencia	62.2	51.1	57.2	54.3	3.27
Roche's Point	64.5	51.1	56.8	53.0	3.43
Pembroke	60.3	51.5	55.2	53.1	1.94
Sally	61.3	53.0	57.3	55.2	1.84
Prawle Point	61.5	50.5	55.9	54.6	1.60
Jersey	64.6	52.5	58.6	55.8	1.91
Hurst Castle	64.2	51.9	57.7	55.5	1.97
Dover	63.0	52.5	58.2	54.9	1.39
LONDON	69.1	50.6	58.9	54.6	2.11
Oxford	65.9	49.3	56.8	53.3	2.21
Cambridge	68.6	48.5	58.1	54.7	2.23
Yarmouth	62.0	51.1	56.9	54.0	1.88

NOTE.—The Temperature means are for the 20 years 1871-90, the Rainfall means are mainly those for the 25 years 1866-90.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.0 ins. and upwards, in an anticyclone lying off the west of Norway and also in another system lying over the southern part of the Spanish Peninsula.
 Lowest, 29.5 ins. and less, in a well marked depression lying off the southwest of Ireland.
 Gradients moderate over the west of our Islands, but slight elsewhere.
 Barometer rising a little over Germany and the greater part of France, but falling elsewhere, - most on our northwest coasts.

TEMPERATURE

Highest, 74° at Biarritz, 72° at Berlin, 70° at Perpignan, 69° at Paris, 68° at Tander, and 67° at Skagen, Yarmouth, Brunsel and Meebadew.
 Lowest, 49° at Bodø, 51° at Haparanda, 55° at Leth and Poulabent, and 56° at Christiansund, Sumburgh and Shields.
 The highest maxima registered over our Islands yesterday were 81° at Cambridge, 76° at Ardrossan, and 73° in York and in London.

WIND

Moderate to strong from the SE² or S² on the west coast of our Islands and France.
 Variable in the southeast of England and also in Scandinavia; light from the E² over Scotland and the North Sea.
 Light from W. over South Germany and the eastern and central parts of France.

WEATHER

Dull and unsettled on the west coast of our Islands and France, with rain in many places.
 Fine in most other parts of our area, but foggy at some of the Channel stations as well as in the northeast of Great Britain.
 Thunderstorms occurred yesterday over the whole of England; at Liverpool the accompanying rainfall amounted to 2.0 ins. and at Loughborough to 2.3 ins.

SEA

Rather rough at Valencia Island and Brest, but moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression off the southwest of Ireland will probably travel away in a northwesterly direction, but the presence of a subsidiary hollow over England, the Netherlands and Germany is favourable for the production of thunderstorms in various parts of those countries. The general appearance is by no means settled.

FORECASTS

For the 24 hours ending at NOON on 27th June 1891.

DISTRICTS.

FORECASTS.

- 0 SCOTLAND NORTH
- 1 SCOTLAND EAST
- 2 ENGLAND N.E.
- 3 ENGLAND EAST
- 4 MIDLAND COUNTIES
- 5 ENGLAND SOUTH

E² winds, light; fair generally.

Same as N⁵.

Light breezes, chiefly SE², fair generally but thunder showers locally.

DISTRICTS.

FORECASTS.

- 6 SCOTLAND WEST
- 7 ENGLAND N.W.
- 8 ENGLAND S.W.
- 9 IRELAND NORTH
- 10 IRELAND SOUTH

E² and SE² winds, moderate; drizzle, some rain, thunder locally.

SE² winds, fresh or strong; drizzle, rain at times.

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.		WIND		WEA.	SEA		BAR.	THER.		WIND		WEA.	SEA
		D.	W.	D.	F.					D.	W.	D.	F.		
Skudesnaes ...	30.14	77	64	SW	2	bc	2	Holyhead ...	29.83	60	60	EHE	2	rgm	2
Sumburgh Head ...	30.16	65	57	NE	2	b	2	Valencia ...	29.77	67	63	H	2	cm	2
Stornoway ...	30.01	66	63	NE	4	b	4	Scilly ...	29.78	61	60	SE	2	+	1
Aberdeen ...	30.09	62	57	EHE	2	b	2	Jersey ...	29.83	69	62	NE	2	b	2
Shields ...	29.96	61	57	NE	3	bc	3	Dungeness ...	29.80	63	61	WSW	2	tbl	1
Ardrossan ...	29.89	76	68	EHE	5	bc	5	London ...	29.80	73	68	WSW	2	0	2
Mulin Head ...	29.91	61	56	EHE	2	c	0	Yarmouth ...	29.85	63	60	E	4	0	4
Mullaghmore ...	29.90	61	59	EHE	4	o pm	3	Rocheport ...	29.85	70	65	WSW	2	bc	2
Belmullet ...	29.82	65	63	E	2	0	*								

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

Weather changeable and showery over the greater part of England and Ireland, with thunderstorms at Holyhead and Cambridge; dull in France, north Italy, and the eastern parts of the Spanish Peninsula. Fine in nearly all other parts of Europe. Thunderstorms occurring during day over nearly the whole of England, as well as in several parts of France and Germany; accompanying rainfall very heavy in places, and amounting to 2.0 in. at Liverpool and 2.2 in. at Loughborough.

Temperature still very high in Scandinavia (72° at Skutumpah, 75° at Stockholm, and 77° at Helsingfors); above 70° also over the Mediterranean and southern and southeastern Europe, the highest reading of all being 77° at Constantinople and Algiers, and 76° at Palma, Palermo, and Odessa. Lowest 49° at Bodo, but relatively low (60° or less) in the northeastern parts of Great Britain and Ireland. Rising during day to 70° or more at several of our own stations, and reaching 81° at Cambridge. Exceeding 80° in many parts of Germany and France.

Wind light from the E. or NE. over the United Kingdom, the North Sea, Denmark, the Baltic, and the greater part of Russia and Central Europe. Light from SE. in the north of France, and from SW. or W. in the south of that country and also over Spain; variable in Italy; SE. in Algeria. Subsequently veering to the SE. or S. in the south and southwest of our islands.

Barometer highest, 30.2 in. and upwards, in a large anticyclone lying over Scandinavia and the northern part of the North Sea, as well as in another system lying over central Russia. Lowest 29.9 in. and less, in a large shallow depression covering the greater part of England, Ireland and France, and also in another area lying over the Black Sea. Decided fall of the barometer taking place during day in Scandinavia and the west and north 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.

The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden and Denmark the observations are taken at 8 p.m. (Christiania time).

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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 *Saturday, 27th June, 1891.*
Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

R. H. SCOTT, Secretary.																		
STATIONS.	YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	BAROM.	TEMP.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea. (0 to 12.)	SHADE TEMP.		Amount of Rainfall.	
	Reading at 32° F. and Sea Level.	Dry.	Dir.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)			Max.	Min.		
SCANDINAVIA.	Haparanda ...	29.62	52	SSW	4	0	29.58	- 34	55	47	+ 4	N	4	0	*	57	45	-
	Hernösand ...	29.51	66	S	2	0	29.72	- 24	66	56	+ 2	N	2	0	*	75	59	-
	Stockholm ...	29.86	69	S	2	0	29.75	- 15	75	63	-	N	2	0	*	82	63	-
	Wisby ...	29.92	63	N	2	0	29.80	- 16	65	59	+ 3	WSW	4	0	*	79	55	-
	Bodö ...	29.77	46	N	5	0	29.75	- 17	45	41	- 4	N	4	0	2	49	41	-
	Christiansund	29.91	60	NW	2	0	29.80	- 25	55	52	- 1	NNE	2	0	2	68	54	-
	Skudesnaes ...	29.87	68	NW	1	0	29.73	- 23	67	60	+ 2	ESE	2	0	1	72	55	-
	Christiania Fjord (Færd)	29.84	73	SSW	3	0	29.75	- 21	69	66	+ 1	SSW	3	0	2	73	68	-
	Skagen (The Scaw)	29.86	67	S	1	bc	29.69	- 26	68	65	+ 1	SSW	1	0	0	81	64	-
	Fanö ...	29.86	68	SE	4	c	29.82	- 09	61	60	- 8	NW	4	0	*	75	59	-
BRITISH ISLANDS.	Sumburgh Head	29.89	55	NE	4	f	29.73	- 25	51	51	- 5	NE	4	f	4	64	48	-
	Stornoway ...	29.73	62	Z	0	f	29.63	- 20	56	56	- 4	NE	2	0	2	67	53	0.31
	Wick ...	29.85	60	E	2	c	29.71	- 25	53	52	- 11	E	2	0	1	67	50	0.25
	Nairn ...	29.71	72	ESE	2	0	29.64	- 22	54	54	- 6	Z	0	ort	1	78	54	0.37
	Aberdeen ...	29.81	58	NE	2	c	29.65	- 25	59	58	0	SW	1	cm	1	64	53	0.18
	Leith ...	29.73	56	E	2	f	29.70	- 14	63	59	+ 8	NNE	1	bc	*	63	54	0.41
	Shields ...	29.73	56	E	2	f	29.73	- 09	61	56	+ 5	SSW	3	c	2	61	54	-
	Spurn Head ...	29.78	67	SSW	1	0	29.81	- 00	61	57	+ 1	SSW	4	c	3	68	56	-
	York ...	29.76	72	S	2	bc	29.78	- 04	61	57	+ 2	SSW	3	bc	*	75	53	-
	Loughborough	29.80	66	SSW	3	0	29.82	- 02	62	57	+ 1	SSW	4	bcgw	*	73	55	-
GERMANY & HOLLAND.	Ardrossan ...	29.68	67	NE	1	0	29.67	- 10	60	57	- 4	SSE	1	c	1	70	54	0.18
	Malin Head ...	29.62	62	SSE	3	om	29.48	- 23	55	54	- 5	SE	4	ug	2	65	53	0.02
	Mullaghmore ...	29.57	62	SE	5	om	29.50	- 16	58	56	- 3	SE	4	ogp	2	64	56	0.02
	Belmullet ...	29.49	65	SE	3	0	29.45	- 14	59	58	- 3	S	4	0	0	66	54	0.03
	Donaghadee ...	29.69	54	SW	3	0	29.64	- 13	55	54	- 2	SSE	2	0	0	62	55	0.02
	Liverpool (Bidston)	29.73	64	SSE	3	0	29.72	- 06	57	55	- 8	SSE	3	0	3	72	55	0.02
	Holyhead ...	29.72	59	S	3	cqpm	29.64	- 13	55	55	- 9	SSE	5	rmg	5	70	55	0.24
	Parsonstown ...	29.57	64	SE	2	c	29.55	- 08	61	57	0	Z	0	c	*	68	54	0.07
	Valencia ...	29.28	57	E.NE	6	r	29.54	+ 06	60	58	0	SSW	4	0	4	64	56	0.23
	Roche's Point...	29.44	60	SSE	7	r	29.59	+ 02	60	57	0	SW	5	bc	5	64	56	0.65
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	29.71	57	S	4	bc	29.69	- 04	56	55	- 1	SSW	6	rgm	6	59	54	0.67
	Scilly ...	29.67	60	S	7	0	29.79	+ 13	59	57	- 1	SSW	6	c	5	64	57	0.05
	Prawle Point ...	29.83	59	SW	4	0	29.88	+ 07	58	56	+ 3	SW	6	bm	5	60	55	0.07
	Jersey (St. Aubin's)	29.89	68	N	3	0	29.97	+ 09	64	60	+ 2	S	5	bm	4	69	58	0.14
	Hurst Castle ...	29.87	61	SW	3	0	29.92	+ 05	60	59	0	SW	5	bcm	2	67	58	0.09
	Dungeness ...	29.88	61	WSW	4	cp	29.93	+ 07	59	58	0	WSW	4	bc	3	65	56	0.03
	London ...	29.89	67	SSW	3	0	29.91	+ 03	63	58	- 1	SSW	2	bc	*	75	56	-
	Oxford ...	29.83	61	S	2	0	29.86	+ 01	60	55	0	S	6	qcv	*	70	56	0.03
	Cambridge ...	29.82	67	S	2	0	29.88	+ 04	64	59	- 2	SSW	2	0	*	77	54	-
	Yarmouth ...	29.81	70	SSW	3	0	29.86	+ 06	61	58	- 6	SW	2	c	2	74	57	0.01
PENINSULA.	Cuxhaven ...	29.85	64	WSW	3	0	29.88	- 01	66	65	0	N	2	m	*	76	63	0.96
	Berlin ...	29.84	76	E	2	0	29.87	- 02	76	69	+ 4	NW	3	0	*	86	68	-
	Wiesbaden ...	*	*	*	*	*	29.97	+ 08	68	64	+ 1	Z	0	0	*	77	61	-
	Munich ...	29.99	64	N	3	0	30.06	+ 08	64	61	0	SW	3	0	*	75	61	0.08
	The Helder ...	29.89	62	SW	1	0	29.92	+ 10	61	59	- 4	SW	1	0	1	66	59	-
	Brussels (9 a.m.)	*	*	*	*	*	30.06	+ 17	61	61	- 6	NW	1	0	*	78	59	0.59
	Cape Gris Nez	29.89	63	SW	2	0	29.92	+ 06	57	57	- 1	SW	4	0	*	68	55	-
	Paris ...	29.95	74	SW	2	0	30.03	+ 08	62	60	- 3	NW	2	0	*	79	59	0.39
	Brest ...	?	62	SSW	4	0	?	?	59	58	- 1	WSW	4	0	7	68	57	0.24
	Lorient ...	29.93	63	SW	4	0	30.00	+ 14	62	58	0	SW	4	0	4	66	59	0.20
PENINSULA.	Rochefort ...	29.93	66	N	4	0	30.04	+ 16	64	62	+ 1	N	3	0	*	81	61	-
	Belfort ...	?	68	N	3	0	?	?	68	63	+ 5	N	2	0	*	80	53	-
	Lyons ...	29.93	75	E	1	0	30.03	+ 04	68	63	+ 4	ESE	1	0	*	80	59	-
	Nice ...	29.92	64	SW	1	bc	30.08	+ 10	63	63	+ 3	SW	1	0	1	72	60	-
	Perpignan ...	29.95	75	E	2	0	30.03	+ 07	76	70	+ 6	SW	2	0	*	78	59	-
	Biarritz ...	30.03	68	NW	3	0	30.10	+ 20	67	63	- 7	E	2	0	1	79	64	-

For Explanation of Columns, see bottom of p. 4.

† Received too late for insertion in Charts on p. 2.

WEATHER CHARTS

for 8 a.m. on Saturday, 27th June, 1891.

BAROMETER, WIND AND SEA.

EXPLANATION OF MAP

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

Changes since previous morning are stated in words.

WIND—Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force thus—

→ = forces above 10; →→ = forces 8 to 10;

→→ = forces 5 to 7; →→ = forces 1 to 4.

○ = dead calm.

SEA DISTURBANCE—Where considerable, is shown thus:

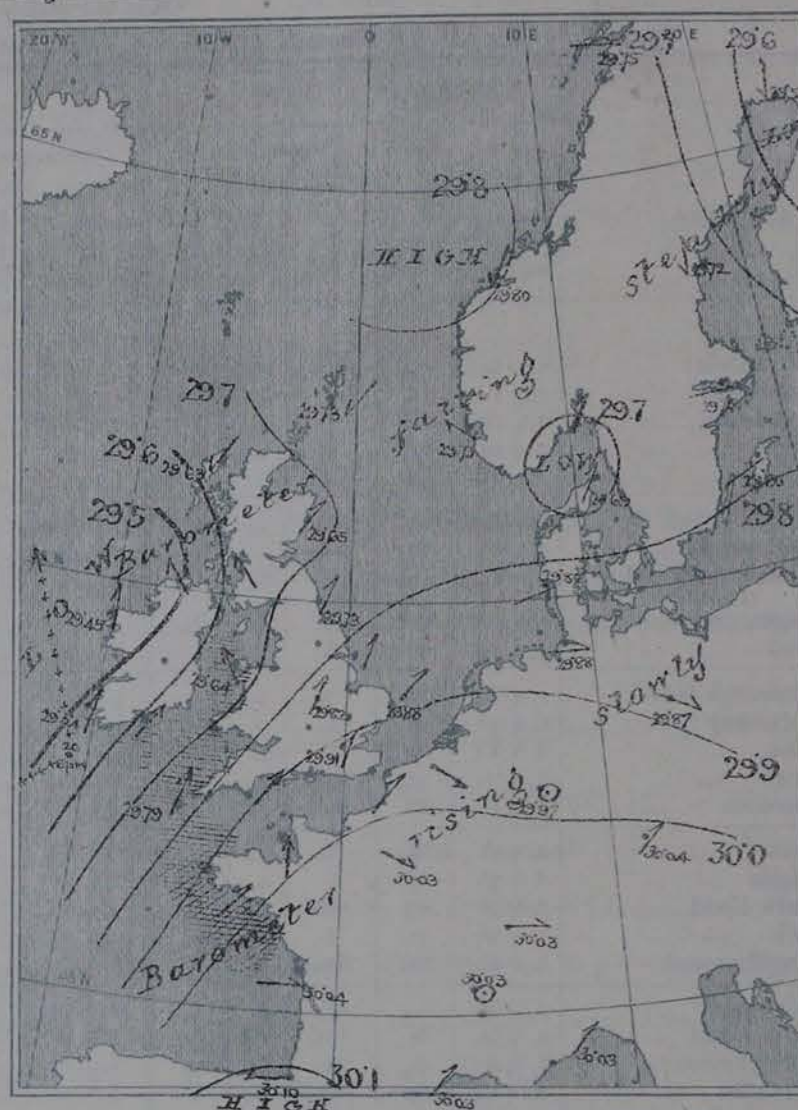
▨ = Rough. ▨ = High.

MEAN HEIGHT OF THE BAROMETER

at 8.0 a.m. for the month of June

During the 20 Years: 1871-1890.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.883
Stornoway	29.875
Wick	29.898
Nairn	29.904
Aberdeen	29.916
Leith	29.930
Shields	29.948
Spurn Head	29.964
York	29.969
Loughborough	29.980
Ardrossan	29.982
Mullaghmore	29.986
Donaghadee	29.986
Holyhead	29.986
Liverpool	29.986
Parsonstown	29.972
Valencia	29.975
Roche's Point	29.973
Pembroke	29.971
Selly	29.996
Prawle Point	30.067
Jersey	30.010
Hurst Castle	29.998
Dover	29.981
LONDON	29.992
Oxford	29.986
Cambridge	29.985
Yarmouth	29.977



TEMPERATURE, & WEATHER AT 8 A.M., WITH RAINFALL IN PAST 24 HOURS.

TEMPERATURE—Isotherms are drawn for each 10°. Changes since previous morning are stated in words.

WEATHER is shown by Letters of the Beaufort Scale.

RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of June.)

STATIONS.	TEMPERATURE.				RAINFALL (Inches.)
	Daily Max.	Daily Min.	Dry, at 8 a.m.	Wet.	
Sumburgh Head	54.6	45.0	50.3	48.6	1.08
Stornoway	58.0	45.9	53.3	51.1	2.85
Wick	58.9	45.5	53.3	50.7	1.74
Nairn	62.2	47.8	54.3	50.6	1.70
Aberdeen	61.2	47.2	54.8	50.8	1.77
Leith	63.9	47.9	55.9	52.3	1.80
Shields	60.6	48.7	54.8	51.7	1.71
Spurn Head	69.4	51.4	55.3	52.8	1.54
York	66.1	48.4	56.2	52.7	2.17
Loughborough	68.6	49.0	57.8	53.9	2.22
Ardrossan	62.0	42.5	55.1	52.1	2.49
Mullaghmore	61.1	51.4	54.9	52.0	2.79
Donaghadee	61.2	49.3	55.0	52.8	1.92
Holyhead	61.6	51.5	55.7	53.2	1.98
Liverpool	63.8	50.9	55.7	52.7	1.89
Parsonstown	64.5	48.5	56.0	52.6	2.39
Valencia	62.2	51.1	57.2	54.3	3.27
Roche's Point	64.5	51.1	56.8	53.6	3.13
Pembroke	60.3	51.5	55.2	53.1	1.94
Selly	61.3	53.0	57.3	55.2	1.84
Prawle Point	61.5	50.5	56.9	54.6	1.60
Jersey	64.0	52.5	58.6	55.8	1.91
Hurst Castle	64.2	51.9	57.7	55.5	1.97
Dover	63.0	52.6	58.2	54.9	1.59
LONDON	69.1	56.6	58.9	54.6	2.11
Oxford	66.9	49.5	56.8	53.3	2.21
Cambridge	63.6	48.5	58.1	54.7	2.23
Yarmouth	62.0	51.1	56.9	54.0	1.88

NOTE.—The Temperature means are for the 20 years 1871-90, the Rainfall means are mainly those for the 25 years 1866-90.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.1 in. and upwards, in anticyclone lying over the Spanish Peninsula.
 Lowest, 29.5 in. and less, in a depression lying to the northward of Ireland, 29.0 in. and less, in another system lying over the Atlantic.
 Gradients moderate over the west and south of our Islands, but slight elsewhere.
 Barometer falling in the north and northwest of the United Kingdom as well as in Scandinavia and Denmark, but rising elsewhere.

TEMPERATURE

Highest, 76° at Berlin and Leipzig, 75° at Stockholm, 69° at ^Harler, and 68° at Tene, Wiesbaden and Lyons.
 Lowest, 45° at Bodo, 51° at Lumburg, 53° at ^Harler, and 55° at Haparanda, Christiansund, Malen, ^Helsingfors and Helsing.
 The highest maxima registered over our Islands yesterday were 78° at ^Harler, 77° at Cambridge, and 75° at York and in London.

WIND

Moderate to strong from the S^W or S^W in the southwest and south of our Islands, and from the S^E on our northwest coast.
 Light from the E^W or N^E in the north of Scotland and also in the west of Norway.
 Light from S^W or W. over Denmark, Germany, the Baltic, and the greater part of France.

WEATHER

Cloud in the west and north of our Islands, with rain in ^Harler and thunder at ^Harler.
 Fair or fine in most other parts of our area, but fog reported locally.
 Since yesterday morning heavy rain has fallen at the entrance to the St. George's Channel, and thunderstorms have occurred in Scotland.

SEA

High off the northwest of France, rough on our southwest coast, but moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The barometric rise at Valencia Island in the rear of last night's depression is reported to be very unsteady, and it is not improbable that new disturbances will shortly appear in the west.

FORECASTS

For the 24 hours ending at NOON on 28th June 1891.

DISTRICTS.

FORECASTS.

- 0 SCOTLAND NORTH
- 1 SCOTLAND EAST
- 2 ENGLAND N.E.
- 3 ENGLAND EAST
- 4 MIDLAND COUNTIES
- 5 ENGLAND SOUTH

E^W and S^E winds, light or moderate; changeable, some showers, thunder locally.
 S^W winds, moderate, changeable, some showers.
 S^W winds, strong on coast, changeable, some showers.

DISTRICTS.

FORECASTS.

- 6 SCOTLAND WEST
- 7 ENGLAND N.W.
- 8 ENGLAND S.W.
- 9 IRELAND NORTH
- 10 IRELAND SOUTH

S^E and S^W winds, fresh or strong; squally, showery.
 S^W and S^W winds, strong, squally, showery.
 S^W winds, strong, changeable, some rain.

WARNINGS

The NORTH CONE was hoisted last evening in districts 0 and 1 and the SOUTH CONE on all other coasts. The signals have been lowered this morning and only the North Cone is hoisted in preference to the 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.

THER: WIND								THER: WIND							
BAR:	D.	W.	D.	F.	WEA.	SEA		BAR:	D.	W.	D.	F.	WEA.	SEA	
Skudesnaes ...	29.43	72	60	SE	1	6	1	Holyhead ...	29.73	62	60	S	3	19m	2
Sumburgh Head	29.43	62	60	NE	3	6	3	Valencia ...	29.48	64	58	SE	7	6c	6
Stornoway ...	29.76	64	63	NE	4	6	4	Scilly ...	29.70	64	61	S	5	c	4
Aberdeen ...	29.46	61	57	E	2	6	2	Jersey ...	29.88	64	62	S	3	om	3
Shields ...	29.78	59	57	E NE	2	6	2	Dungeness ...	29.88	64	61	WSE	3	6c	2
Ardrossan ...	29.73	61	64	NE	1	0	1	London ...	29.85	73	65	SSE	3	6c	8
Mulin Head ...	29.68	57	55	SE	3	0	1	Yarmouth ...	29.83	68	63	WNE	2	6	2
Mullaghmore ...	29.60	63	59	ESE	6	om	4	Rochefort ...	29.92	76	70	W	3	0	2
Belmullet ...	29.53	62	61	SE	4	0	8								

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

Weather in morning fine and bright in many parts both of northern Europe and the British Islands, and also in Italy and southeastern Europe; as a whole, cloudy and changeable elsewhere — dull in Ireland, with rain in places, foggy on many parts of our south and east coasts. Rain later over all the southwestern, western, and northern parts of our Islands and over Brittany; fine weather prevalent over our eastern and southeastern countries as a whole, though close and threatening at times.

Temperature in morning exceeding 70° over Southeastern Europe and at most of the Mediterranean stations, as well as at Berlin, Mirel and Riga, exceeding 60° in most other places, but lower at some of our northeastern stations. Lower, 42° at Archangel, 49° at Podoi, 51° at Kaparanda, 55° at Leith, 56° at Lumburg Hd and Shields. Rising later to 80° and more in the southeast of France and at Berlin, and to between 70° and 77° in many parts of our Islands.

Wind E¹ at our northern stations and over the greater part of the North Sea, SE¹ in Ireland, SE¹ to SW¹ over England; S² over the Bay of Biscay, variable from the Wnd over Spain, extremely variable elsewhere. Rather strong in force in Ireland, moderate to light elsewhere. Backing to NE. at Valencia later, and blowing a moderate gale from the Snd on other parts of our southwest coast.

Barometer highest 30.0 ins: and more over France, the north of Spain, and the greater part of the Mediterranean, as well as over central Russia and over the west of Norway. Lowest 29.5 ins: and less, in a large depression off our western coasts, and in another over the north of Russia, below 29.9 ins: in a band stretching from the Irish Channel across England and the Netherlands to central and southeastern Europe, and below 29.8 ins: over Galicia and the neighboring parts of Russia. Centrs of western depression approaching Valencia 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.

The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden and Denmark the observations are taken at 8 p.m. (Christiania time).

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Weekly	£1 0 0	per a
Weekly	£1 10 0	

DAILY WEATHER REPORT.

for Sunday 28th June. 1891.
 Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

R. H. SCOTT, Secretary.																		
STATIONS.	YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	BAROM.	TEMP.	WIND.			BAROMETER.		SHADE TEMP.			WIND.				SHADE TEMP.			
Reading at 32° F. and Sea Level.	Dry.	Dirce.	Force. (0 to 12.)	Weather.	Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dirce.	Force. (0 to 12.)	Weather.	Sea. (0 to 12.)	Max.	Min.	Amount of Rainfall.		
SCANDINAVIA.																		
Haparanda ...	29.64	51	Z	0	bc	29.73	+ 15	51	43	—	4	NE	4	b	*	54	46	—
Hernösand ...	29.61	62	S	4	c	29.63	— 09	54	52	—	7	Z	0	o	*	75	55	0.04
Stockholm ...	29.62	71	S	2	b	29.60	— 15	66	62	—	5	W	2	r	*	86	66	—
Wisby ...	29.70	65	SW	4	c	29.64	— 16	63	60	—	2	WSW	4	c	*	77	59	—
Bodö ...	29.78	46	N	2	c	29.79	+ 04	46	41	+	1	N	2	c	1	45	41	—
Christiansund	29.76	52	NNE	4	b	29.67	— 13	50	44	—	5	NE	7	b	3	59	46	—
Skudesnaes ...	29.64	60	S	4	o	29.63	— 10	58	56	—	9	SSW	4	o	3	67	55	0.08
Christiania Fjord (Fjærd)	29.60	65	SSW	5	o	29.53	— 22	60	56	—	9	SW	6	o	4	72	54	—
Skagen (The Scaw)	29.73	58	W	3	o	29.67	— 02	60	57	—	8	W	3	o	4	73	54	0.24
Fanö ...	29.84	60	WSW	4	c	29.80	— 02	61	59	—	0	SW	4	c	*	66	59	0.04
Sumburgh Head	29.64	53	NE	5	o	29.72	— 01	51	49	—	0	NE	3	o	4	59	48	—
Stornoway ...	29.65	55	NW	2	o	29.69	— 06	56	55	—	0	Z	0	o	2	56	51	0.42
Wick ...	29.63	52	NW	1	r	29.76	+ 05	50	49	—	3	NE	2	d	3	55	48	0.35
Nairn ...	29.63	61	Z	0	c	29.70	+ 06	60	58	+	3	Z	0	c	0	63	49	0.11
Aberdeen ...	29.62	62	SSW	3	o	29.73	+ 08	64	58	+	5	N	1	bc	1	68	53	0.02
Leith ...	29.62	64	NNE	1	c	29.75	+ 05	66	59	+	3	W	3	bc	*	67	57	0.01
Shields ...	29.68	63	SSW	4	o	29.81	+ 08	63	55	+	2	SSW	4	c	2	67	55	—
Spurn Head ...	29.80	65	SW	4	bc	29.91	+ 10	63	58	+	2	SW	3	c	3	67	56	—
York ...	29.77	64	S	2	c	29.88	+ 10	64	58	+	3	SW	3	b	*	65	57	0.04
Loughborough	29.86	64	WSW	3	c	29.93	+ 11	61	57	—	1	SW	3	o	*	68	55	—
Ardrossan ...	29.64	60	S	1	c	29.77	+ 10	58	55	—	2	S	2	o	1	68	55	—
Malin Head ...	29.63	63	WNW	1	op	29.66	+ 18	57	55	+	2	SSE	3	od	1	67	55	0.01
Mullaghmore ...	29.63	63	Z	0	c	29.63	+ 13	58	56	—	0	SE	5	opg	4	67	55	0.02
Belmullet ...	29.59	63	SW	4	c	29.53	+ 08	59	59	—	0	S	2	bc	*	65	56	0.05
Donaghadee ...	29.65	62	SW	2	c	29.76	+ 12	56	56	+	1	SSE	4	o	2	63	54	—
Liverpool (Bidston)	29.78	60	SW	5	c	29.86	+ 14	59	56	+	2	SE	1	o	2	64	56	0.12
Holyhead ...	29.76	56	SW	5	egm	29.81	+ 17	58	56	+	3	S	4	omgg	4	60	54	0.09
Parsonstown ...	29.69	60	Z	0	r	29.64	+ 09	57	55	—	4	SE	1	o	*	68	58	0.24
Valencia ...	29.70	60	SSW	6	o	29.53	— 01	60	57	—	0	S	7	c	7	63	57	0.56
Roche's Point...	29.77	60	SW	5	c	29.66	+ 07	59	56	—	1	SSW	6	bc	4	64	56	0.45
Pembroke (St. Ann's Hd.)	29.85	57	SSW	5	bc	29.82	+ 13	57	55	+	1	S	4	og	4	58	55	0.02
Scilly ...	29.88	59	S	4	op	29.81	+ 02	59	58	—	0	S	5	op	6	64	56	—
Prawle Point ...	29.99	58	SW	3	c	29.94	+ 06	56	56	—	2	SSE	2	c	1	61	54	—
Jersey (St. Aubin's)	30.03	65	WNW	4	b	29.99	+ 02	63	60	—	1	S	3	bc	3	68	58	—
Hurst Castle ...	29.98	60	WSW	5	bc	29.99	+ 07	61	60	+	1	S	3	c	2	62	57	—
Dungeness ...	29.97	60	WSW	5	bc	29.99	+ 06	60	57	+	1	SSW	3	c	2	64	56	—
London ...	29.93	66	SW	3	bc	29.98	+ 07	62	57	—	1	SW	2	bc	*	72	54	—
Oxford ...	29.92	61	SW	4	bc	29.97	+ 11	61	57	+	1	S	2	o	*	68	52	0.03
Cambridge ...	29.87	63	SW	2	r	29.96	+ 08	62	59	+	2	SW	1	o	*	71	54	0.02
Yarmouth ...	29.87	69	W	3	b	29.96	+ 08	63	58	+	2	WSW	3	b	2	71	55	—
Cuxhaven ...	29.94	60	W	3	bc	29.93	+ 05	62	61	—	4	W	4	bc	*	72	60	—
Berlin ...	29.85	72	ENE	4	bc	30.00	+ 13	64	60	—	12	WNW	4	c	*	82	57	0.08
Wiesbaden ...	*	*	*	*	*	30.12	+ 15	57	56	—	9	Z	0	b	*	75	54	0.71
Munich ...	30.10	60	SW	4	o	30.20	+ 14	63	58	—	1	E	1	b	*	79	54	0.04
The Helder ...	29.94	60	SW	2	b	29.98	+ 06	60	57	—	1	SW	2	c	3	66	59	—
Brussels (9 a.m.)	*	*	*	*	*	30.05	— 01	67	60	+	6	S	1	b	*	70	53	0.20
Cape Gris Nez	29.97	60	WSW	4	b	30.01	+ 09	63	57	+	6	S	1	bc	1	63	55	—
Paris ...	30.07	70	SW	1	bc	30.08	+ 05	64	66	+	2	S	1	bc	*	75	53	—
Brest ...	?	63	W	3	bc	?	?	60	59	+	1	SE	2	b	5	70	57	—
Lorient ...	30.05	63	SSW	2	c	29.97	— 03	63	61	+	1	ESE	2	b	4	66	59	—
Rochefort ...	30.04	68	NW	3	bc	29.92	— 12	66	62	+	2	ESE	3	b	2	75	61	—
Belfort ...	30.10	68	W	3	b	30.11	?	68	63	—	0	W	2	b	*	77	58	—
Lyons ...	30.06	72	N	2	o	30.08	+ 05	67	58	—	1	N	1	b	*	83	60	—
Nice ...	30.04	65	SW	1	f	30.08	+ 05	65	64	—	2	Z	0	f	1	73	61	—
Perpignan ...	30.03	77	E	2	b	30.07	+ 04	73	70	—	3	NE	2	b	*	81	63	—
Biarritz ...	30.02	70	ENE	3	b	29.95	— 15	?	?	—	?	S	2	b	3	75	64	—
Corunna ...	*	*	*	*	*	29.92	— 08	70	67	+	0	SE	4	c	3	77	57	—
Lisbon ...	30.01	70	NNW	4	b	30.03	— 07	68	60	+	5	NNE	2	b	2	75	63	—
PENIN- SULA.																		

For Explanation of Columns, see bottom of p. 4.

† Received too late for insertion in Charts on p. 2.

WEATHER CHARTS

for 8 a.m. on Sunday, 28th June, 1891.

BAROMETER, WIND AND SEA.

EXPLANATION OF MAP

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

Changes since previous morning are stated in words.

WIND—Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force thus

→ forces above 10; → forces 8 to 10;

→ forces 5 to 7; → forces 1 to 4.

○ = dead calm.

SEA DISTURBANCE—Where considerable, is shown thus:

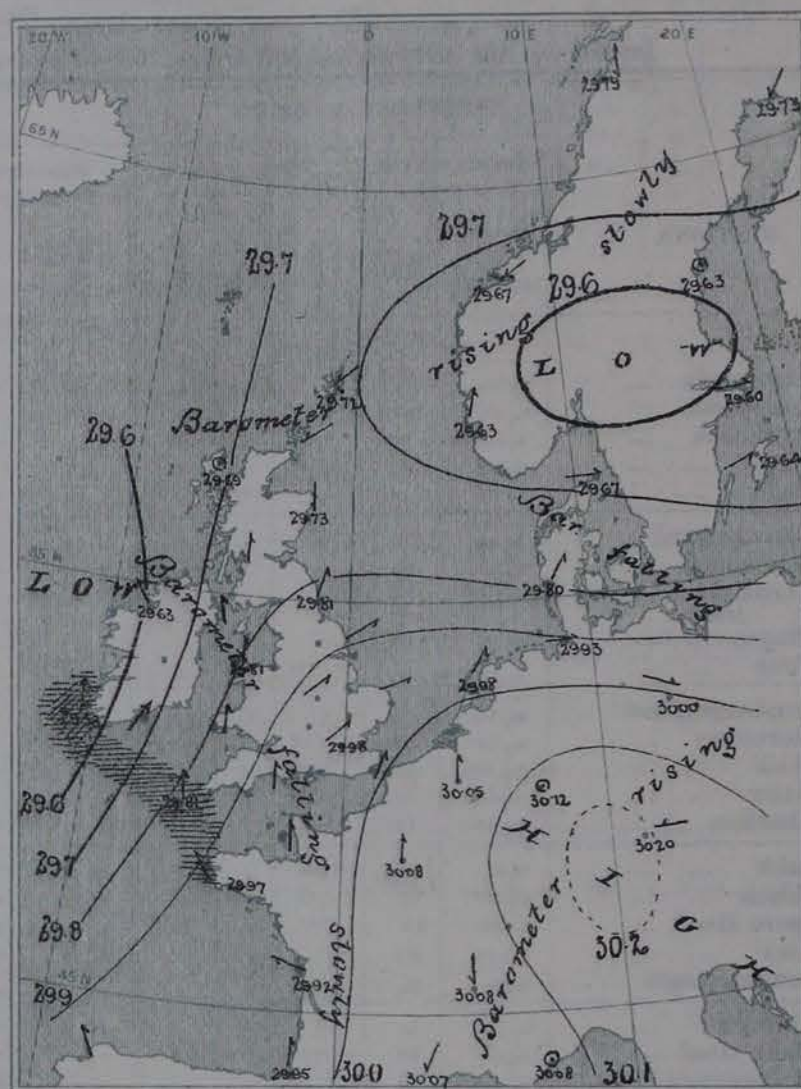
— Rough. — High.

MEAN HEIGHT OF THE BAROMETER

at 8.0 a.m. for the month of June

During the 20 Years: 1871—1890.

STATIONS.	MEAN READINGS.
Sumburgh Head.....	29.883
Stornoway.....	29.876
Wick.....	29.898
Nairn.....	29.904
Aberdeen.....	29.916
Leith.....	29.930
Shields.....	29.948
Spurn Head.....	29.964
York.....	29.969
Loughborough.....	29.980
Ardrossan.....	29.932
Mullaghmore.....	29.936
Donaghadee.....	29.946
Holyhead.....	29.956
Liverpool.....	29.966
Parsonstown.....	29.972
Valencia.....	29.975
Roche's Point.....	29.973
Pembroke.....	29.974
Scilly.....	29.993
Prawle Point.....	30.067
Jersey.....	30.010
Hurst Castle.....	29.998
Dover.....	29.982
LONDON.....	29.992
Oxford.....	29.986
Cambridge.....	29.985
Yarmouth.....	29.977



TEMPERATURE, & WEATHER AT 8 A.M., WITH RAINFALL IN PAST 24 HOURS.

TEMPERATURE—Isotherms are drawn for each 10°. Changes since previous morning are stated in words.

WEATHER—is shown by Letters of the Beaufort Scale.

RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of June.)

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily	Daily	at 8 a.m.		
	Max.	Min.	Dry.	Wet.	
Sumburgh Head.....	54.6	45.0	50.3	48.6	1.98
Stornoway	58.0	45.9	53.3	51.1	2.85
Wick.....	58.9	45.5	53.3	50.7	1.74
Nairn.....	62.2	47.8	54.3	50.6	1.70
Aberdeen.....	61.2	47.2	54.8	50.8	1.77
Leith.....	63.9	47.9	55.9	52.3	1.80
Shields.....	60.6	48.7	54.8	51.7	1.71
Spurn Head.....	60.4	51.4	55.3	62.8	1.54
York.....	66.1	48.4	56.2	52.7	2.17
Loughborough.....	68.6	49.0	57.8	53.9	2.22
Ardrossan.....	62.0	49.5	55.1	52.1	2.49
Mullaghmore.....	61.1	51.4	54.9	52.0	2.79
Donaghadee.....	61.2	49.3	55.0	52.8	1.92
Holyhead.....	61.6	51.5	55.7	53.2	1.98
Liverpool.....	63.8	50.9	56.7	52.7	1.89
Parsonstown.....	64.5	48.5	56.0	52.0	2.39
Valencia.....	62.2	51.1	57.2	54.3	3.27
Roche's Point.....	64.5	51.1	56.8	53.6	3.13
Pembroke.....	60.8	51.5	55.2	53.1	1.94
Scilly.....	61.3	53.0	57.3	55.2	1.84
Prawle Point.....	61.5	50.5	56.9	54.6	1.60
Jersey.....	64.6	52.5	58.6	55.8	1.91
Hurst Castle.....	64.2	51.9	57.7	55.5	1.97
Dover.....	68.0	52.5	58.2	54.9	1.59
LONDON.....	69.1	50.6	58.9	54.6	2.11
Oxford.....	66.9	49.5	56.8	53.3	2.21
Cambridge.....	68.0	48.5	58.1	54.7	2.23
Yarmouth.....	62.0	51.1	56.9	54.0	1.88

NOTE.—The Temperature means are for the 20 years 1871-90, the Rainfall means are mainly those for the 25 years 1866-90.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.1 in. to 30.2 in. over the west and south of Germany and the east of France.
 Lowest, 29.6 in. and less, in a depression lying off the west of Ireland and also in another system over the south of Scandinavia.
 Gradients moderate over the west of our Islands, but slight elsewhere.
 Barometer falling a little on the west coasts of our Islands and France and also in Denmark and the south of Scandinavia, but rising elsewhere.

TEMPERATURE

Highest, 73° at Perpignan, 70° at Florence, 68° at Belfast and Lisbon, 67° at Brussels and Lyons, and 66° at Stockholm, Leth and Rostock.
 Lowest, 46° at Paris, 50° at Christiania and Wick, 51° at Haparanda and Sumburg Hk., and 56° at Tromsø.
 The highest maxima registered over our Islands yesterday were 72° in London, and 71° at Cambridge and Yarmouth.

WIND

S. over the United Kingdom, the Netherlands, and the west and north of France; strong in force in the south of Ireland, but light or moderate elsewhere.
 Variable in Scotland, moderate to strong from the SW. or W. over Denmark, Germany and Scandinavia.
 Light and variable over the eastern and central parts of France.

WEATHER

Fine and bright over France and Germany, and fair in most other parts of Western Europe, but dull in places and showery in the north of Ireland.
 Rain fell yesterday in many parts of the United Kingdom.

SEA

High at Valencia Island, and rough at the mouth of the Channel, but moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

For the 24 hours ending at NOON on 29th June 1891.

DISTRICTS.

- 0 SCOTLAND NORTH
- 1 SCOTLAND EAST
- 2 ENGLAND N.E.
- 3 ENGLAND EAST
- 4 MIDLAND COUNTIES
- 5 ENGLAND SOUTH

FORECASTS.

None issued

DISTRICTS.

- 6 SCOTLAND WEST
- 7 ENGLAND N.W.
- 8 ENGLAND S.W.
- 9 IRELAND NORTH
- 10 IRELAND SOUTH

WARNINGS

FORECASTS.

None issued

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:		WIND		WEA.	SEA		BAR:	THER:		WIND		WEA.	SEA
		D.	W.	D.	F.					D.	W.	D.	F.		
Skudesnaes ...	29.70	63	61	SSE	4	r	2		Holyhead ...	29.70	60	58	SW	6	bc
Sumburgh Head ...	29.68	54	54	NE	4	m	4		Valencia ...	29.67	63	60	SW	6	om
Stornoway ...	29.65	56	56	Z	0	r	2		Scilly ...	29.88	64	60	SSW	5	bc
Aberdeen ...	29.63	65	58	S	4	bc	3		Jersey ...	29.02	67	59	WSW	4	bc
Shields ...	29.70	63	55	SSW	3	cp	2		Dungeness ...	29.96	63	59	W	5	bc
Ardrossan ...	29.59	65	64	S	1	b	1		London ...	29.91	70	60	SW	4	bc
Mulin Head ...	29.58	63	59	SSE	4	o	1		Yarmouth ...	29.87	64	60	S	4	bc
Mullaghmore ...	29.57	67	61	SSW	2	bc	2		Rochefort ...	30.07	71	65	W	3	bc
Belmullet ...	29.50	65	62	SW	4	b	*								

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

Weather dull in the west and north of our Islands and also over central France, with rain in Wales, and thunder at Nismes. Fair or fine at our eastern, southern and most of the Continental stations, but foggy at Christiansund, Jané and Sumburgh. Heavy rain falling later in many parts of Ireland and Scotland, and passing showers at some of the English stations. Thunderstorms occurring in some parts of Scotland, France, and Germany.

Temperature highest 82° at Constantinople, 81° at Brindisi, and 78° at Nicotia, Palma, and Malta; above 70° in nearly all parts of southern and eastern Europe, as well as at some of the Baltic stations, but considerably below that point in the Princes. Lowest 44° at Archangel, 45° at Rode, 51° at Sumburgh and 53° at Vicks; below 60° at most of our western and northern stations. Subsequently rising to between 70° and 75° in the southeast of England, to between 75° and 80° in many parts of France and Germany, and to 90° or more at some of the Spanish, Italian, and Algerian stations.

Wind fresh to strong from the S.W. or S.W. over the west and south of our Islands, but light from the E. or N.E. in the north of Scotland and also in the west of Norway. Light or moderate from the S.W. over Denmark and the Baltic, and from the W. over the greater part of Central Europe. Light and variable over France, southern Europe and Algeria. No important change occurring during day.

Barometer highest 30.0 ins. to 30.1 ins. in a large anticyclone lying over France, Spain, Algeria, and the western parts of the Mediterranean. Lowest 29.5 ins. and less, in a depression lying off the west of Ireland; 29.6 ins. and less, in another disturbance lying over Lapland. Depression in west subsequently moving away in a northwesterly direction, and barometer rising in the west and south 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; i. 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.
The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden and Denmark the observations are taken at 8 p.m. (Christiania time).

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 Monday, 29th June, 1891.
 Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

R. H. SCOTT, Secretary.																		
STATIONS.	YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
	Barom. Reading at 3 ³⁰ P. and Sea Level.	TRMP. Dry.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Sea. (0 to 5.)	SHADE TEMP.		Amount of Rainfall.		
			Dir.	Force. (0 to 12.)		Reading at 3 ³⁰ P. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force. (0 to 12.)		Max.	Min.			
SCANDINAVIA.																		
Haparanda ...	29.69	53	E	2	C	29.67	-06	57	47	+6	NE	4	bc	*	61	18		
Hernösand ...	29.63	54	NE	2	O	29.67	+04	57	52	-2	N	2	O	*	58	52	0.05	
Stockholm ...	29.60	64	Z	0	O	29.67	+07	66	60	0	N	4	O	*	75	61		
Wisby ...	29.67	59	WSW	4	O	29.75	+11	60	57	-3	WSW	4	O	*	68	57		
Bodö ...	29.73	48	N	6	O	29.73	-06	47	46	+1	N	4	O	2	18	41		
Christiansund	29.73	49	NNE	6	O	29.82	+15	49	45	-1	N	4	f	3	54	18		
Skudesnaes ...	29.74	54	NW	2	O	29.81	+18	56	51	-2	ESE	2	O	1	59	50		
Christiania Fjord (Færdler)	29.58	60	WSW	3	C	29.70	+17	64	56	+4	WSW	3	O	4	64	60		
Skagen (The Scaw)	29.66	59	N	6	O	29.76	+09	61	56	+1	N	6	bc	6	64	55		
Fanö ...	29.68	58	N	4	O	29.89	+09	66	62	+5	WSW	4	O	*	3	57		
Sumburgh Head	29.77	50	NE	2	r	29.71	-01	48	48	-3	EHE	4	O	5	54	45	0.07	
Stornoway ...	29.62	56	NE	2	O	29.53	-16	55	55	-1	SE	2	O	2	59	52	0.83	
Wick ...	29.78	50	E	2	r	29.62	-14	56	55	+6	SE	1	bc	1	56	49	0.45	
Nairn ...	29.66	58	Z	0	O	29.56	-14	58	55	-2	SW	2	bc	1	62	52	0.21	
Aberdeen ...	29.73	56	SSE	3	Op	29.63	-10	62	58	-2	SSE	3	bc	2	66	54	0.06	
Leith ...	29.71	64	N	3	bc	29.63	-12	63	58	-3	SSW	1	C	*	67	56	0.06	
Shields ...	29.77	65	SSW	3	O	29.65	-16	65	59	+2	S	3	C	2	67	55		
Spurn Head ...	29.85	65	SSW	2	C	29.70	-21	66	61	+3	SW	4	bc	3	70	57	0.14	
York ...	29.84	67	S	1	C	29.70	-18	64	60	0	WSW	1	C	*	69	57		
Loughborough	29.86	70	SSW	3	C	29.74	-14	63	58	+2	SSW	3	C	*	72	58	0.03	
BRITISH ISLANDS.																		
Ardrossan ...	29.70	59	S	2	O	29.60	-17	58	55	0	SE	2	O	2	61	54	0.18	
Malin Head ...	29.56	68	SSE	3	bc	29.43	-23	57	57	0	S	5	Op	2	70	54	0.15	
Mullaghmore ...	29.55	66	SSE	5	Cv	29.44	-19	59	56	+1	S	2	Cp	2	68	56	0.18	
Belmullet ...	29.48	64	SSE	3	O	29.39	-14	60	58	+1	S	2	Cp	*	68	56	0.36	
Donaghadee ...	29.69	60	WSW	4	C	29.57	-19	57	56	+1	SW	4	O	2	65	55	0.04	
Liverpool (Bidston)	29.70	65	SSE	3	O	29.67	-14	63	54	+4	S	2	bc	3	68	56	0.01	
Holyhead ...	29.76	59	SSW	5	Ogmg	29.63	-18	58	56	0	S	5	Ogmg	4	61	53	0.08	
Parsonstown ...	29.61	64	SE	2	bc	29.48	-16	61	54	+4	Z	0	C	*	68	56	0.05	
Valencia ...	29.49	60	SSE	8	Ogmg	29.43	-10	58	54	-2	S	6	T	6	60	56	0.36	
Roche's Point...	29.62	60	S	6	bc	29.51	-15	59	56	0	SSW	5	bc	4	63	56	0.10	
Pembroke (St. Ann's Hd.)	29.76	57	S	4	O	29.63	-19	56	55	-1	S	4	Cp	4	59	54	0.05	
Scilly ...	29.79	61	S	4	C	29.64	-17	59	58	0	S	5	Cp	5	64	54		
Prawle Point ...	29.84	60	SW	1	O	29.76	-18	58	57	+2	SSW	4	bm	3	61	54	0.01	
Jersey (St. Aubin's)	29.86	75	SE	2	bc	29.84	-15	61	60	-2	SSW	2	Ogmg	2	76	60	0.09	
Hurst Castle ...	29.87	68	SE	2	C	29.81	-18	60	59	-1	SW	3	C	2	70	58		
Dungeness ...	29.93	63	E	3	bc	29.86	-19	61	59	+1	WSW	4	bc	3	66	58	0.01	
London ...	29.90	72	SW	2	C	29.80	-18	63	59	+1	S	2	O	*	77	61		
Oxford ...	29.84	66	S	2	C	29.78	-19	61	56	0	SW	3	O	*	72	56		
Cambridge ...	29.89	72	SW	1	C	29.77	-19	66	62	+4	SSW	1	C	*	76	59		
Yarmouth ...	29.92	63	S	4	O	29.76	-20	68	63	+5	N	3	O	2	70	58		
GERMANY & HOLLAND.																		
Cuxhaven ...	29.96	61	N	3	O	29.94	+04	62	59	0	S	2	O	*	69	59		
Berlin ...	30.00	68	WNW	3	O	30.01	+01	69	62	+5	SW	3	O	*	77	59		
Wiesbaden ...	*	*	*	*	*	30.01	-11	65	61	+6	Z	0	O	*	77	55		
Munich ...	30.13	64	NE	2	O	30.10	-10	71	65	+8	Z	0	O	*	75	55		
The Helder ...	29.98	68	SSW	1	O	29.85	-13	65	63	+5	SSE	1	C	1	67	59		
FRANCE AND BELGIUM.																		
Brussels (8 a.m.)	*	*	*	*	*	29.88	-17	72	66	+5	SSW	2	C	*	77	60		
Cape Gris Nez	29.93	65	Z	0	O	29.81	-20	61	59	-2	SSW	3	C	2	78	59	0.04	
Paris ...	29.95	77	E	2	O	29.91	-17	66	64	+2	EHE	2	O	*	80	62		
Brest ...	?	62	SSW	3	O	?	?	60	60	0	SW	2	bc	6	68	54		
Lorient ...	29.91	65	N	2	O	29.85	-12	62	58	-1	SW	3	O	5	72	59		
Rocheport ...	29.91	72	WNW	3	O	29.81	-11	67	65	+1	E	4	O	*	86	62	0.20	
Belfort ...	29.99	70	N	3	O	30.02	?	72	64	+4	N	2	O	*	82	55		
Lyons ...	30.00	85	SE	1	O	29.98	-10	75	62	+8	S	2	O	*	87	66		
Nice ...	30.09	65	SSW	1	M	30.12	+04	65	65	0	SW	1	O	0	73	63		
Perpignan ...	30.02	75	NE	2	O	30.00	-07	71	67	-2	NE	2	O	*	80	63		
Biarritz ...	29.92	70	WNW	3	O	29.88	-07	68	66	?	WNW	3	O	2	88	64		
PENINSULA.																		
Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Lisbon ...	29.99	68	SSW	4	bc	30.02	-01	64	58	-4	N	4	bc	3	81	61		

WEATHER CHARTS

for 8 a.m. on Monday, 29th June, 1891.

BAROMETER, WIND AND SEA.

EXPLANATION OF MAP

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

Changes since previous morning are stated in words.

WIND—Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force thus

→ forces above 10; → forces 8 to 10;
→ forces 5 to 7; → forces 1 to 4.
○ = dead calm.

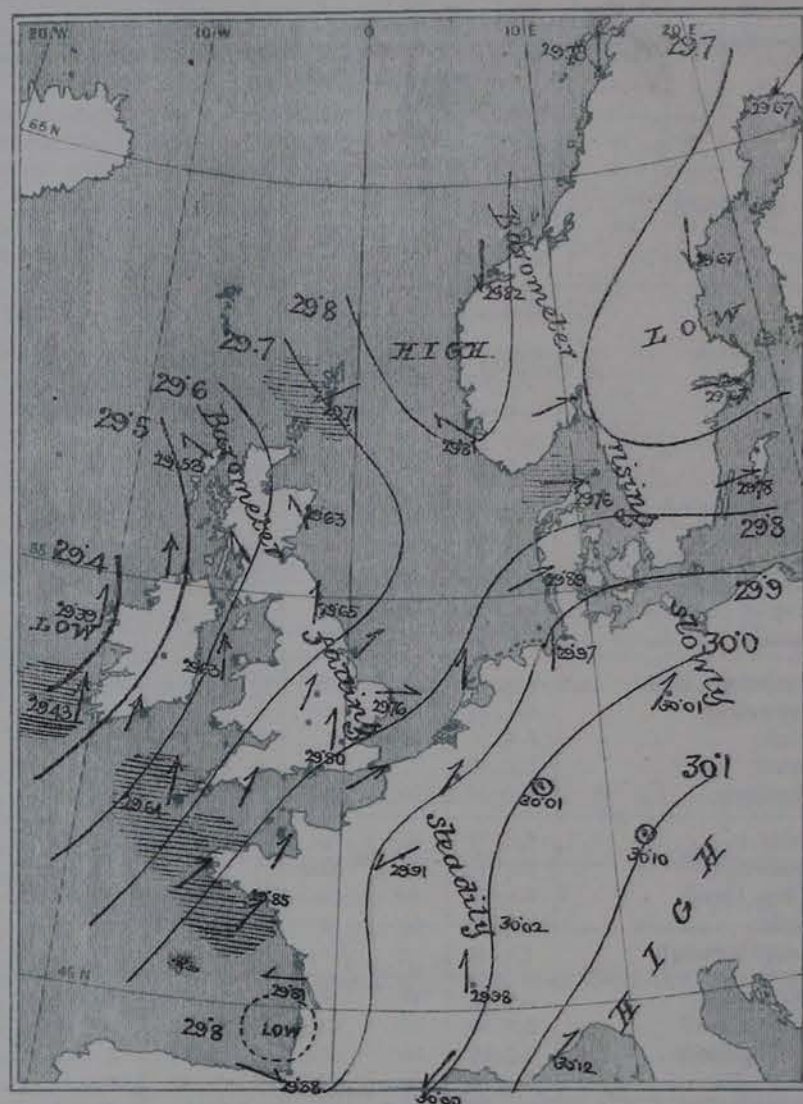
SEA DISTURBANCE—Where considerable, is shown thus:

≡ = Rough. ≡ = High.

MEAN HEIGHT OF THE BAROMETER

at 8.0 a.m. for the month of June
During the 20 Years: 1871—1890.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.883
Stornoway	29.875
Wick	29.898
Nairn	29.904
Aberdeen	29.916
Leith	29.930
Shields	29.948
Spurn Head	29.964
York	29.969
Loughborough	29.980
Ardrossan	29.932
Mullaghmore	29.936
Donaghadee	29.946
Holyhead	29.956
Liverpool	29.966
Parsonstown	29.972
Valencia	29.975
Roche's Point	29.973
Pembroke	29.974
Scilly	29.996
Prawle Point	30.007
Jersey	30.010
Hurst Castle	29.998
Dover	29.982
LONDON	29.992
Oxford	29.986
Cambridge	29.985
Yarmouth	29.977



TEMPERATURE, & WEATHER AT 8 A.M., WITH RAINFALL IN PAST 24 HOURS.

TEMPERATURE—Isotherms are drawn for each 10°. Changes since previous morning are stated in words.

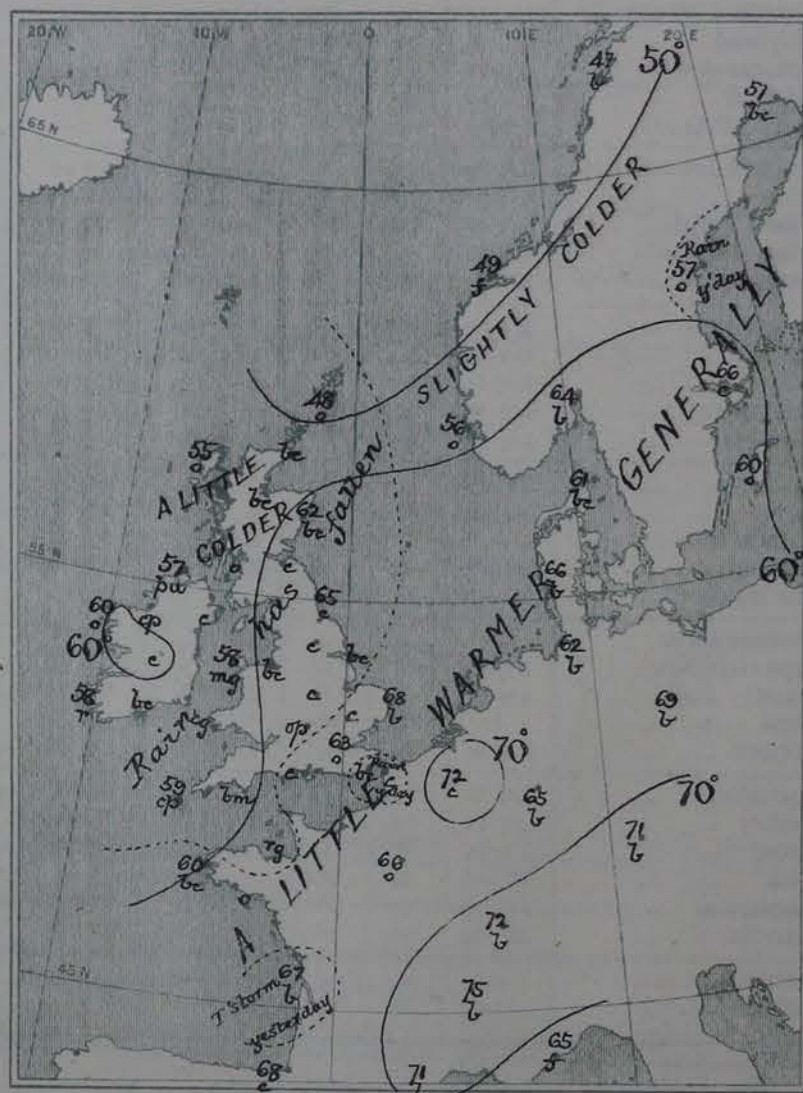
WEATHER is shown by Letters of the Beaufort Scale.

RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE,
AND RAINFALL.
(For the month of June.)

STATIONS.	TEMPERATURE.				RAINFALL (Inches.)
	Daily Max.	Daily Min.	at 8 a.m. Dry.	Wet.	
Sumburgh Head	54.6	45.0	50.3	48.6	1.98
Stornoway	58.0	45.9	53.3	51.1	2.85
Wick	58.9	45.6	53.3	50.7	1.74
Nairn	62.2	47.8	54.3	50.6	1.70
Aberdeen	61.2	47.2	54.8	50.8	1.77
Leith	63.9	47.9	55.9	52.3	1.80
Shields	60.6	48.7	54.8	51.7	1.71
Spurn Head	50.4	51.4	55.3	52.8	1.51
York	66.1	48.4	50.2	52.7	2.17
Loughborough	68.6	49.0	57.8	53.9	2.22
Ardrossan	62.0	49.5	55.1	52.1	2.19
Mullaghmore	61.1	51.4	54.9	52.0	2.79
Donaghadee	61.2	49.3	55.0	52.8	1.92
Holyhead	61.6	61.5	55.7	53.2	1.98
Liverpool	63.8	50.9	56.7	52.7	1.89
Parsonstown	64.5	48.5	56.0	52.6	2.39
Valencia	62.2	51.1	57.2	51.3	3.27
Roche's Point	64.5	51.1	56.8	53.6	3.13
Pembroke	60.3	51.5	55.2	53.1	1.94
Scilly	61.3	53.0	57.3	55.2	1.84
Prawle Point	61.5	50.5	56.9	54.6	1.60
Jersey	64.6	52.5	58.6	55.8	1.91
Hurst Castle	64.2	51.9	57.7	55.5	1.97
Dover	63.0	52.5	58.2	54.9	1.30
LONDON	69.1	50.6	58.9	54.6	2.11
Oxford	66.9	49.5	56.8	53.3	2.21
Cambridge	63.6	48.5	58.1	54.7	2.23
Yarmouth	62.0	51.1	56.9	54.0	1.88

NOTE.—The Temperature means are for the 20 years 1871-90, the Rainfall means are mainly those for the 25 years 1866-90.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.1 in. and upwards, over South Germany, Switzerland, and the extreme south of France.
 Lowest, 29.4 in. and less, in a depression off the west of Ireland; 29.7 in. and less, in Sweden.
 Gradients slight generally. Barometer rising in Scandinavia, Denmark, and Germany, but falling elsewhere.

TEMPERATURE

Highest, 75° at Lyons, 72° at Brussels and Belfort, 71° at Munich and Pagnan, 69° at Berlin, and 68° at Yarmouth and Bhamo.
 Lowest, 47° at Bodo, 48° at Sumburgh Head, 49° at Christiansund, 55° at Stromway, 56° at Skudenes and Thok, and 57° at Haparanda.
 The highest maxima registered over our islands yesterday were 77° in London, and 76° at Jersey and Cambridge.

WIND

S over England and Ireland, fresh or strong in force on our western coasts.
 Light from the SE^W in Scotland; N over the northern parts of Scandinavia, but W in Denmark and the south of Sweden.
 Variable or calm over France and Germany.

WEATHER

Cloudy and showery at several of the English and Irish stations, but fine in Scotland, as well as over the greater part of the Continent.
 Since yesterday morning rain has fallen in the western and northern part of the United Kingdom, the largest amount being 0.8 in. at Stromway, 0.5 in. at Thok, and 0.4 in. at Belmullet and Valencia Island.

SEA

Rough off our extreme southwest coasts and the northwest of France, and rather rough at Sumburgh H^d, but moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

A small shallow depression is lying over the west of France, and is apparently moving northwards.
 Changeable weather seems likely over England, with thunderstorms in some places.

FORECASTS

For the 24 hours ending at NOON on 30th JUNE 1891.

DISTRICTS.

FORECASTS.

0	SCOTLAND NORTH	SE ^W winds, light or moderate; fine at first, showery later, possibly thunder.
1	SCOTLAND EAST	
2	ENGLAND N.E.	Same as 1° 5
3	ENGLAND EAST	
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	Varying S ^W (SW to SE) winds, light or moderate; changeable, some showers, thunder locally.

DISTRICTS.

FORECASTS.

6	SCOTLAND WEST	SE ^W winds, light, dull, some showers.
7	ENGLAND N.W.	S ^W winds, moderate or fresh; changeable, some showers, thunder locally.
8	ENGLAND S.W.	
9	IRELAND NORTH	S ^W winds, fresh or strong, unsettled, some showers.
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.		WIND		WEA.	SEA		BAR.	THER.		WIND		WEA.	SEA
		D.	W.	D.	F.					D.	W.	D.	F.		
Skudesnes ...	29.67	59	56	W.W.	4	0	5	Holyhead ...	29.79	58	57	S.S.W.	5	very foggy	4
Sunburgh Head ...								Valencia ...							
Stornoway ...	29.69	55	55	N.E.	2	0	2	Scilly ...							
Aberdeen ...								Jersey ...	29.92	73	65	E.S.E.	3	bc	3
Shields ...								Dungeness ...	29.96	66	62	W.W.	3	b	2
Ardrossan ...								London ...							*
Malin Head ...	29.59	65	59	S	4	0	1	Yarmouth ...							
Mullaghmore ...								Rochefort ...	29.94	78	71	S.S.W.	4	b	2
Belmullet ...	29.50	66	63	S	2	0	*								

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

Weather, fair over the greater part of Europe and very fine in nearly all the more southern countries, but dull and showery in the extreme northwest of our Islands & rainy at some of the Baltic stations, as well as at Oresow. Rain falling later in all the more western and northern parts of the United Kingdom - heavily at some of the Irish and Scotch stations.

Temperature highest 81° at Constantinople, 80° at Barcelona, 79° at Trieste, 77° at Brindisi, and 76° at Odessa; above 70° in most parts of southern and eastern Europe, and above 65° over the greater part of Russia. Lowest 45° at Archangel, 46° at Bodo, 56° at Christiansund and Ulick, and 51° at Haparanda and Sunburgh Head; below 60° in Ireland and the west and southwest of England. Rising during day to 75° or more in the south of England, to 80° or more at several of the French stations, and to 88° at Biarritz.

Wind S.W. over Ireland, England, the Netherlands and the west and north of France, light or moderate in force generally, but strong in the south of Ireland. Moderate from the S.W. over Denmark, the Baltic the south of Scandinavia, and W. over Germany and Austria. Light and variable over the southern and southeastern countries as well as in Algeria and the central parts of France. Subsequently shifting to the W. in the west of France, but backing to S.E. or E. at some of the Channel stations.

Barometer highest 30.1 ins. and upwards over south Germany, Switzerland and northern Italy, and also in Sicily, Tunis and the neighbouring parts of the Mediterranean. Lowest 29.6 ins. and less in a depression lying off the west of Ireland and also in another disturbance lying over the south of Scandinavia. No important change occurring during day but shallow secondary disturbance beginning to appear over the west of France.

SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD

FROM THE 21ST TO 27TH JUNE 1891.

During the past week unsettled showery weather has gradually extended from the south and southwest over the whole Kingdom and thunderstorms with heavy rain have occurred in many parts of Great Britain. Temperature has been higher than of late and the air at times very close and oppressive.

At the beginning of the period a large anticyclone extended from Scandinavia over the northern parts of the United Kingdom, while a shallow depression lay over France. The prevailing winds were therefore E. & N.E. and the weather fine, warm and dry.

On the night of the 22nd the depression over France began to spread northwards and rain set in over the extreme south and southeast of England. This movement continued throughout the 22nd, 23rd, 24th and 25th during which period the unsettled weather spread northwards, and thunderstorms occurred at many of the English stations, with heavy rain in places. The storms of the 25th were unusually severe, and were accompanied by exceedingly heavy falls of rain over the central parts of England.

On the 26th the shallow depression over France began to disperse, but a new disturbance of greater depth appeared off our southwest coasts and occasional gales from the S.E. at many of our southwestern stations. At the close of the week the disturbance was moving away N.W. and the wind in the southwest was moderating, but thundery conditions had spread to the Scotch stations and the weather was everywhere showery and unsettled.

Temperature has been generally high for the time of year, especially in Ireland and the west of Scotland, the daily maxima at many of the inland stations reaching 75° or more. At the close of the week, however, the thermometer was inclined to fall and the air was becoming fresher and less oppressive.

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.

The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden and Denmark the observations are taken at 8 p.m. (Christiania time).

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 *Tuesday 30th June.* 1891.
 Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

H. H. SCOTT, Secretary.																	
STATIONERS' HALL, 55, Victoria Street, London, E. C.																	
PUBLISHED WEEKLY.																	
LONDON: PRINTED BY J. H. COOKE, 10, Abchurch Lane.																	
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SHEPHERD & CO., 10, Abchurch Lane.																	
SHEPHERD & CO., 10, Abchurch Lane.																	

For Explanation of Columns, see bottom of p. 4.

† Received too late for insertion in Charts on p. 2.

WEATHER CHARTS

for 8 a.m. on Tuesday, 30th June, 1891.

BAROMETER, WIND AND SEA.

EXPLANATION OF MAP

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

Changes since previous morning are stated in words.

WIND—Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force thus:

→ forces above 10; → forces 8 to 10;

→ forces 5 to 7; → forces 1 to 4.

○ = dead calm.

SEA DISTURBANCE—Where considerable, is shown thus:

▨ = Rough. ▨ = High.

MEAN HEIGHT OF THE BAROMETER

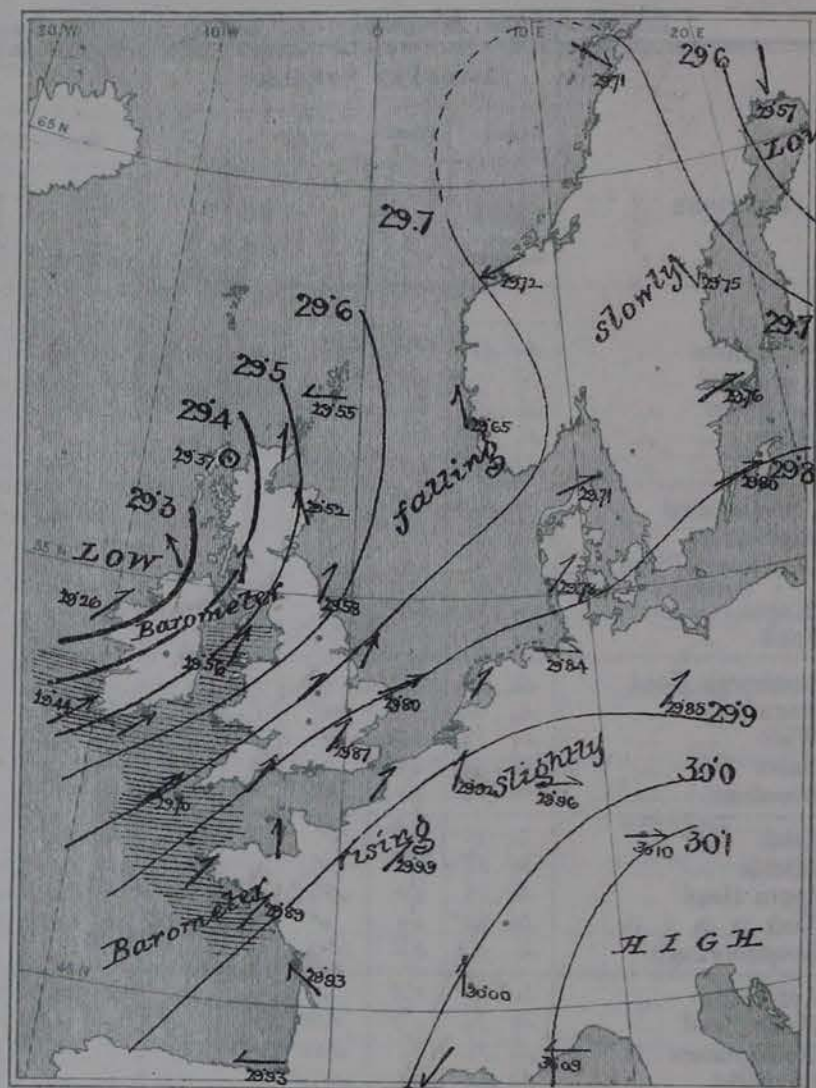
at 8.0 a.m. for the month of June

During the 20 Years: 1871—1890.

STATIONS.

MEAN READINGS.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.883
Stornoway	29.879
Wick	29.898
Nairn	29.904
Aberdeen	29.916
Leith	29.930
Shields	29.948
Spurn Head	29.964
York	29.969
Loughborough	29.980
Ardrossan	29.932
Mullaghmore	29.936
Donaghadee	29.946
Holyhead	29.966
Liverpool	29.966
Parsonstown	29.972
Valencia	29.975
Roche's Point	29.973
Pembroke	29.971
Scilly	29.996
Prawle Point	30.067
Jersey	30.010
Hurst Castle	29.998
Dover	29.982
LONDON	29.992
Oxford	29.986
Cambridge	29.985
Yarmouth	29.977



TEMPERATURE, & WEATHER AT 8 A.M., WITH RAINFALL IN PAST 24 HOURS.

TEMPERATURE—Isotherms are drawn for each 10°. Changes since previous morning are stated in words.

WEATHER is shown by Letters of the Beaufort Scale.

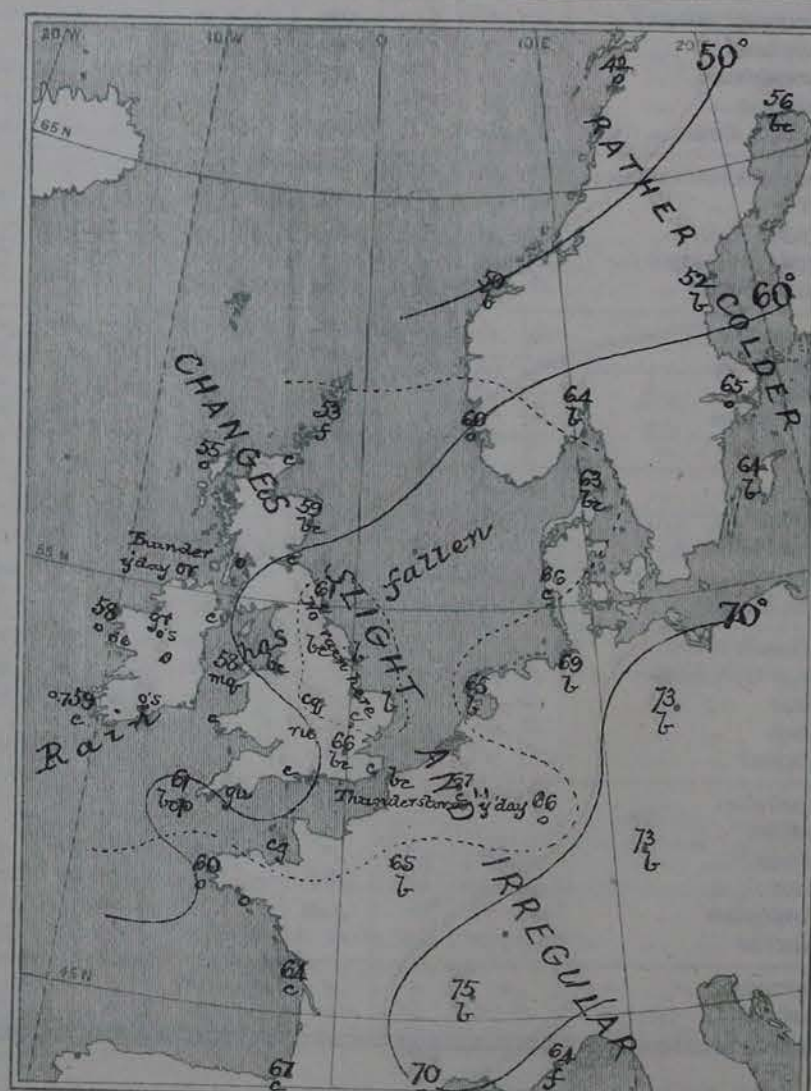
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of June.)

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily	Daily	at 8 a.m.		
	Max.	Min.	Dry.	Wet.	
Sumburgh Head.....	54.6	45.0	50.3	48.6	1.98
Stornoway	58.0	45.9	53.3	51.1	2.85
Wick.....	58.2	45.5	53.3	50.7	1.74
Nairn	62.2	47.8	54.3	50.6	1.70
Aberdeen	61.2	47.2	54.8	50.8	1.77
Leith.....	63.2	47.9	55.0	52.3	1.80
Shields.....	60.6	48.7	54.8	51.7	1.71
Spurn Head.....	69.4	51.4	55.3	52.8	1.54
York.....	66.1	48.4	56.2	52.7	2.17
Loughborough	68.6	49.0	57.8	53.9	2.22
Ardrossan	62.0	49.5	55.1	52.1	2.49
Mullaghmore	61.1	51.4	54.9	52.0	2.79
Donaghadee.....	61.2	49.3	55.0	52.8	1.92
Holyhead.....	61.6	51.5	55.7	53.2	1.58
Liverpool.....	63.8	50.9	56.7	52.7	1.89
Parsonstown.....	64.5	48.5	56.0	52.6	2.39
Valencia	62.2	51.1	57.2	54.3	3.27
Roche's Point.....	64.5	51.1	56.8	53.6	3.13
Pembroke.....	60.3	51.5	55.2	53.1	1.94
Scilly.....	61.3	53.0	57.3	55.2	1.84
Prawle Point	61.5	50.5	56.9	54.6	1.60
Jersey	64.6	52.5	58.6	55.8	1.91
Hurst Castle	64.2	51.9	57.7	55.5	1.97
Dover	63.0	52.5	58.2	54.9	1.59
LONDON	69.1	56.6	58.9	54.6	2.11
Oxford.....	66.9	49.5	56.8	53.3	2.21
Cambridge.....	68.6	48.5	58.1	54.7	2.23
Yarmouth.....	62.0	51.1	56.9	54.0	1.88

NOTE.—The Temperature means are for the 20 years 1871-90, the Rainfall means are mainly those for the 25 years 1866-90.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.0 ins. to 30.1 ins. in the southern parts of France and Germany.
Lowest, 29.3 ins. and less. in a depression lying off the northwest of Ireland.

Gradients moderate over our Islands, but slight elsewhere.

Barometer rising over France and the southern parts of the United Kingdom, but falling elsewhere.

TEMPERATURE

Highest, 75° at Lyons, 73° at Berlin and Munich, 70° at Perpignan, 69° at Cuxhaven, and 67° at Brussels and Hanover.

Lowest, 42° at Oslo, 51° at Christiansund, 52° at Helsingfors, 53° at Loughborough, and 55° at Stornoway.

The highest maxima registered over our Islands yesterday were 76° at Cambridge, 74° at Loughborough, and 72° at Shields, York, Harrogate, and in London.

WIND

Fresh to strong from the S^W or S^W^{by}S over the greater part of the United Kingdom, but light in Scotland.

Light from S.W. over Denmark, Germany, the north of France, and the south of Scandinavia.

Light from the E^{ast} over the southern parts of France.

WEATHER

Hazy at several of the Irish stations, and showery in the southwest of England, but fair or fine in nearly all other parts of Western Europe.

Rain fell yesterday at all but our eastern stations, the largest amount being 0.7 in. at Valencia Island, 0.6 in. at Bismarck, and 0.5 in. at Mullaghmore and Rock Point.

Thunderstorms occurred in some parts of England, Ireland, France and Belgium.

SEA

Rather rough on our southwest coasts, but moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression off the northwest of Ireland will probably continue to move slowly northwards, but no important change is likely in the weather. The distribution of pressure remains favourable for the advance of depressions towards our western coasts.

FORECASTS

For the 24 hours ending at NOON on 1st JULY 1891.

DISTRICTS.

FORECASTS.

0 SCOTLAND
NORTH

E^{ast} and S^W^{by}S winds, moderate;
cloudy, some rain.

1 SCOTLAND
EAST

S^W winds, freshening; gusty, showery.

2 ENGLAND
N.E.

Same as No 5

3 ENGLAND
EAST

4 MIDLAND
COUNTIES

5 ENGLAND
SOUTH

S^W and S^W^{by}S winds, fresh, fair generally,
but local showers.

DISTRICTS.

FORECASTS.

6 SCOTLAND
WEST

S^W winds, fresh or strong, squally,
showery.

7 ENGLAND
N.W.

8 ENGLAND
S.W.

9 IRELAND
NORTH

10 IRELAND
SOUTH

S^W to S^W winds, strong;
squally, showery.

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.

	THER:		WIND		F	WEA	SEA		THER:		WIND		F	WEA	SEA
	BAR:	D.	W.	D.					BAR:	D.	W.	D.			
Skudesnaes ...	29.74	57	57	SSE	2	0	2	Holyhead ...	29.59	58	57	S	5	mpg	5
Sumburgh Head ...	29.69	48	48	ENE	4	7	5	Valencia ...	29.34	60	58	SSE	7	0 p	6
Stornoway ...	29.56	56	55	E	2	0	2	Scilly ...	29.63	65	61	S	6	c	5
Aberdeen ...	29.58	65	57	SSE	3	6	3	Jersey ...	29.82	64	61	SSE	2	0 pg	2
Shields ...	29.61	65	58	SW	3	0	2	Dungeness ...	29.83	60	58	SW	4	cl	2
Ardrossan ...	29.54	58	56	SSE	1	7	1	London ...	29.79	65	60	SW	3	bc	*
Malin Head ...	29.57	65	57	SSE	5	0 b	2	Yarmouth ...	29.77	65	61	S	4	b	3
Mullaghmore ...	29.57	61	57	SW	2	0 pg	2	Rocheport ...	29.83	67	65	NW	4	0	?
Belmullet ...	29.34	63	61	SSE	4	0	*								

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

Weather cloudy and showery at several of the English and Irish stations. Fine in Scotland and also over the greater part of the Continent, but dull in some parts of Sweden and Russia, with rain at Kuopio and Helsingfors, and a thunderstorm at Kiev. Heavy rain falling in Ireland, and thunderstorms occurring in various isolated parts of northwestern Europe.

Temperature highest 81° at Trieste, 79° at La Cella and Aumale, and 78° at Barcelona, Algiers, and Constantinople; above 70° in most parts of southern and eastern Europe, and above 65° in many other localities. Lowest 47° at Bodo, 48° at Sumburgh Head, 49° at Christiansund, 52° at Kuopio, and 55° at Stornoway; below 60° at many of our own western stations. Daily maxima over England ranging between 70° and 76°, but thermometer exceeding 80° over Germany and the south of France, and reaching 91° at Perpignan.

Wind S over England, Ireland, and the Netherlands, and fresh or strong, in force on our western coasts, light from the E. in the north of Scotland, and from N. or NE. over the greater part of Scandinavia. Moderate from the W. over Denmark and the Baltic, light from NW. or N. over the central and southern parts of Russia, variable over central and southern Europe. No important change occurring during day.

Barometer highest 30.0 in. to 30.1 in. in a large anticyclone extending northwards from the Mediterranean over Italy, Austria, Switzerland and Germany. Lowest 29.4 in. and less, in a well marked depression lying off the west of Ireland, 29.6 in. and less, in a shallow disturbance lying over Finland. Depression in west joined later in day by new system from the south-west, and barometer falling in all part 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.

The evening observations are taken at 6 p.m. in France and our Islands with the exception of Oxford, where they are taken at 8 p.m. In Sweden and Denmark the observations are taken at 8 p.m. (Christiania time).

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 „

ADDITIONS AND CORRECTIONS TO THE

1. REPORTS RECEIVED TOO LATE FOR INSERTION DAILY.

DATE.	STATIONS.	YESTERDAY EVENING.					8 A.M. TO-DAY.										PAST 24 HOURS.		
		Barometer at 32° F. and Sea Level.	Temp. in Shade.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Weather.	Sea (0 to 8.)	SHADE TEMP.		Amount of Rainfall.	
				Dir.	Force (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dir.	Force (0 to 12.)			Max.	Min.		
2	Corunna...	*	*	*	*	*	29.88	+10	60	54	+1	SSW	2	0	2	66	48	0.16	
3	Corunna...	*	*	*	*	*	29.60	+28	64	59	+4	SSW	6	0	5	64	54	0.55	
5	Corunna...	*	*	*	*	*	30.15	+41	66	62	+3	SE	3	0	3	68	52	-	
6	Corunna...	*	*	*	*	*	29.79	-36	64	62	-2	SE	4	0	3	70	54	-	
8	Brussels...	*	*	*	*	*	29.82	+03	54	-	+6	ESE	2	0	*	58	50	0.12	
	Corunna...	*	*	*	*	*	29.91	+20	59	54	-6	NW	1	7	2	64	?	0.04	
9	Corunna...	*	*	*	*	*	29.93	+02	59	54	0	SSW	1	7	2	64	54	0.12	
10	Corunna...	*	*	*	*	*	29.93	-00	61	58	+2	SW	3	0	2	64	52	0.25	
11	Corunna...	*	*	*	*	*	30.25	+32	66	61	+5	W	2	60	1	70	55	-	
13	Corunna...	*	*	*	*	*	30.31	-	68	64	-	NE	1	6	1	72	52	-	
15	Corunna...	*	*	*	*	*	30.15	-	68	65	-2	W	2	6	1	79	54	-	
17	Corunna...	*	*	*	*	*	30.09	-09	71	68	+5	NNE	1	6	1	75	55	-	
18	Corunna...	*	*	*	*	*	29.99	-10	75	70	+4	NE	2	6	2	75	59	-	
19	Corunna...	*	*	*	*	*	30.04	+05	80	76	+5	NNE	1	0	0	84	59	-	
20	Corunna...	*	*	*	*	*	30.06	+02	73	70	-7	NE	1	6	1	84	59	-	
22	Corunna...	*	*	*	*	*	29.87	-07	73	68	0	NNE	1	6	2	77	54	-	
23	Corunna...	*	*	*	*	*	29.83	-04	66	64	-7	NNE	5	60	1	73	59	-	
24	Corunna...	*	*	*	*	*	29.90	+07	66	64	0	W	1	0	2	68	54	-	
25	Belmullet...	-	-	-	-	-	29.69	-07	64	63	-2	E	2	0	*	69	60	0.01	
26	Corunna...	*	*	*	*	*	29.94	+02	66	63	0	SW	4	0	3	70	54	0.08	
27	Corunna...	*	*	*	*	*	30.00	+06	70	65	+4	SW	3	6	3	73	54	-	
29	Corunna...	*	*	*	*	*	29.91	-01	69	64	-1	SSE	4	0	3	79	54	-	
30	Corunna...	*	*	*	*	*	29.89	+02	66	65	-3	SSW	1	7	3	75	59	-	

2. CORRECTIONS.

[illegible]