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METEOROLOGICAL OFFICE.

DAILY WEATHER REPORTS.

1ST JANUARY—30TH JUNE,

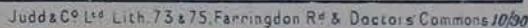
1891.

Soc. Reg. Lond.

26.4.92

January to June 1891.

January to June 1891.



DAILY WEATHER REPORT.

for *Wednesday 1st April*. 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.			
		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.	Amount of Rainfall.	
SCANDINAVIA.	Haparanda ...	30.16	17	NE	4	b	30.28	+27	16	14	+2	NE	4	b	*	27	7	—	
	Hernösand ...	29.97	25	NNW	8	o	30.10	+27	21	20	-2	NNE	6	s	*	32	21	—	
	Stockholm ...	29.72	25	N	6	s	29.73	+12	28	26	0	N	4	s	*	32	25	0.12	
	Wisby ...	29.67	28	NNW	8	s	29.64	-14	31	30	-2	N	4	o	*	34	20	0.04	
	Bodö ...	30.19	24	E	2	b	30.25	+19	24	19	+1	E	4	b	2	?	18	—	
	Christiansund	30.07	31	ENE	4	b	30.13	+15	28	26	-3	ESE	2	b	2	32	27	—	
	Skudesnaes ...	29.92	34	Z	0	b	29.99	+12	33	27	+1	E	2	b	2	43	28	—	
	Christiania Fjord (Færder)	29.87	35	N	5	o	29.95	+11	26	22	-2	NNE	5	o	3	36	25	—	
	Skagen (The Scaw)	29.84	35	NE	3	bc	29.91	+10	30	28	0	NE	3	o	3	36	28	—	
	Fanö ...	29.91	28	NW	2	b	29.90	+07	29	28	-2	N	2	c	*	37	27	—	
BRITISH ISLANDS.	Sumburgh Head	29.97	41	ENE	1	b	29.94	+01	38	34	0	NE	2	o	3	44	35	—	
	Stornoway ...	29.95	43	SE	4	bc	29.86	-14	40	38	0	SE	5	b	4	45	35	—	
	Wick ...	29.97	40	NE	1	b	29.93	-05	39	37	+2	NE	1	bc	1	48	38	—	
	Nairn ...	29.95	42	NW	1	b	29.92	-08	35	34	-2	Z	0	b	0	49	27	—	
	Aberdeen ...	29.97	40	NNE	1	bc	29.94	-07	34	32	-3	WNW	2	bc	2	43	30	—	
	Leith ...	29.97	42	NE	2	b	29.93	-05	39	34	0	SE	1	b	*	49	25	—	
	Shields ...	29.97	41	ENE	2	bc	29.93	-03	32	31	-5	SW	1	m	3	45	27	—	
	Spurn Head ...	29.95	38	NNE	1	b	29.93	-03	40	37	+4	E	1	b	3	43	34	—	
	York ...	29.98	34	SE	1	b	29.96	-03	27	27	-12	Z	0	f	*	42	22	0.06	
	Loughborough	29.98	42	Z	0	o	29.96	-06	28	28	-7	Z	0	of	*	49	23	—	
GERMANY & HOLLAND.	Ardrossan ...	29.94	44	SW	1	b	29.87	-16	36	34	-3	NE	2	bc	1	47	32	—	
	Malin Head ...	29.86	44	SE	4	b	29.74	-26	38	36	+1	SE	5	o	2	47	34	—	
	Mullaghmore ...	29.83	47	ESE	4	bc	29.67	-35	40	37	+2	SE	6	rog	4	47	37	0.03	
	Belmullet ...	29.76	47	SE	5	o	29.59	-37	43	42	+5	SE	4	o	*	53	28	0.03	
	Donaghadee ...	29.90	41	SW	4	b	29.84	-20	42	40	+5	S	5	c	3	45	36	—	
	Liverpool (Bidston)	29.98	42	NW	1	b	29.89	-14	36	34	-3	ESE	3	bc	3	45	32	—	
	Holyhead ...	29.98	41	SW	2	b	29.85	-19	39	35	-7	S	1	bc	1	49	34	—	
	Parsonstown ...	29.87	44	Z	0	c	29.69	-34	41	40	+8	SW	2	P	*	52	32	0.03	
	Valencia ...	29.74	45	SE	7	bc	29.60	-35	48	47	+3	SE	1	bc	3	49	42	0.07	
	Roche's Point...	29.87	44	S	5	o	29.67	-36	45	45	0	S	6	P	5	49	43	0.30	
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	29.97	41	SE	2	b	29.82	-23	42	41	+2	SE	5	og	4	45	39	—	
	Scilly ...	29.94	45	SE	5	c	29.76	-29	45	44	+1	SE	6	og	5	50	42	0.02	
	Prawle Point ...	30.01	40	SE	2	b	29.87	-20	43	41	+2	SE	5	b	3	44	38	—	
	Jersey (St. Aubin's)	30.03	45	N	8	bc	29.92	-14	42	39	+2	SE	4	cmg	3	47	38	—	
	Hurst Castle ...	30.02	41	WNW	3	bc	29.93	-12	42	39	+7	S	3	bc	2	48	32	—	
	Dungeness ...	30.00	37	SW	3	bc	29.94	-04	35	35	+1	Z	0	bc	2	45	31	—	
	London ...	29.98	43	N	1	cm	29.95	-06	36	32	0	SW	2	b	*	48	28	—	
	Oxford ...	29.99	35	Z	0	b	29.94	-11	34	32	0	Z	0	b	*	48	26	—	
	Cambridge ...	30.03	40	N	1	bc	29.98	-04	34	33	-2	NE	1	o	*	50	27	—	
	Yarmouth ...	29.97	38	S	1	cfht	29.95	0.0	39	38	+2	SE	1	c	3	59	31	0.15	
GERMANY & HOLLAND.	Cuxhaven ...	29.97	34	N	4	bc	29.86	+08	33	32	0	N	3	bc	*	36	31	—	
	Berlin ...	*	*	*	*	*	30.00	+23	32	31	-3	NW	1	b	*	41	28	—	
	Wiesbaden ...	*	*	*	*	*	29.98	+22	28	28	-1	N	3	o	*	34	20	0.24	
	Munich ...	29.98	29	NNW	1	b	29.97	+07	37	35	+2	WNW	1	b	2	39	35	—	
	The Helder ...	29.98	37	NNW	1	b	29.97	+07	37	35	+2	WNW	1	b	2	39	35	—	
	Brussels (8 a.m.)	*	*	*	*	*	30.07	*	35	33	*	SW	1	b	*	44	28	0.04	
	Cape Gris Nez	29.99	40	N	3	b	29.96	-01	36	34	0	SW	4	bc	2	46	34	0.04	
	Paris ...	30.02	40	NW	1	bc	30.01	+02	29	29	-6	NE	1	b	*	47	25	—	
	Brest ...	30.06	49	S	3	bc	29.86	-22	43	41	+7	SE	4	o	4	52	39	—	
	Lorient ...	30.02	44	SW	2	b	29.86	-19	43	39	+6	SE	4	o	2	50	37	—	
FRANCE AND BELGIUM.	Rochefort ...	30.01	48	NW	3	b	29.88	-13	37	33	-1	ESE	4	bc	*	53	28	—	
	Belfort ...	?	29	N	3	c	?	?	41	?	+9	NE	3	bc	*	42	28	—	
	Lyons ...	30.03	38	NE	1	bc	30.04	+07	31	28	-2	N	1	b	*	43	27	—	
	Nice ...	29.81	39	NE	4	c	29.95	+13	40	31	-3	NE	4	b	1	54	34	—	
	Perpignan ...	29.96	50	NW	3	bc	29.96	+04	44	38	-5	E	2	o	*	55	24	—	
	Biarritz ...	29.98	50	NNE	2	b	29.99	-02	40	37	-6	SE	3	b	1	55	37	0.04	
	Corunna ...	*	*	*	*	*	29.93	+02	52	50	-2	SW	3	o	6	61	50	0.08	
	Lisbon ...	29.95	52	NNW	5	c	29.93	+02	52	50	-2	SW	3	o	6	61	50	0.08	

WEATHER CHARTS

for 8 a.m. on Wednesday, 1st April, 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:

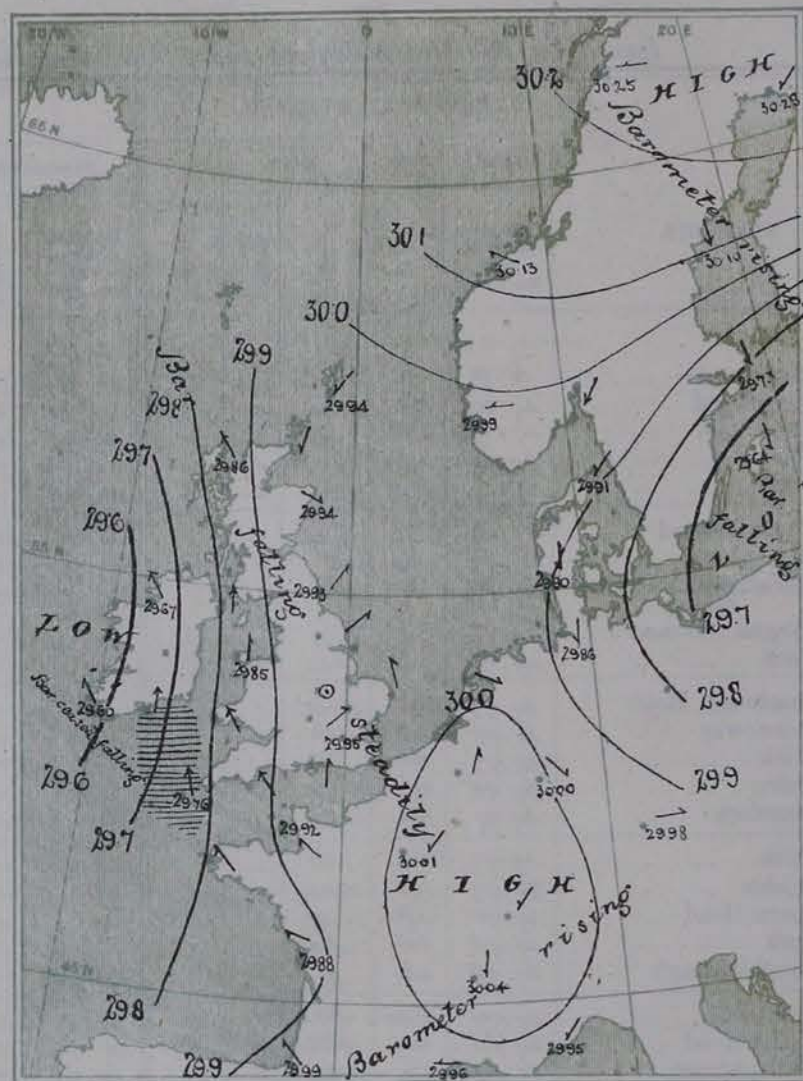
— = Rough. — = High.

MEAN HEIGHT OF THE BAROMETER

at 8.0 a.m. for the month of April

During the 29 Years: 1871—1890.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.840
Stornoway	29.824
Wick	29.848
Nairn	29.848
Aberdeen	29.858
Leith	29.863
Shields	29.866
Sour Head	29.863
York	29.875
Loughborough	29.879
Ardrrossan	29.857
Mullaghmore	29.839
Donaghadee	29.859
Holyhead	29.857
Liverpool	29.867
Parsonstown	29.864
Valencia	29.854
Roche's Point	29.851
Pembroke	29.852
Seilly	29.856
Prawle Point	29.876
Jersey	29.872
Hurst Castle	29.871
Dover	29.864
LONDON	29.878
Oxford	29.884
Cambridge	29.880
Yarmouth	29.872



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 April.)

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	Avg. Dry.	Avg. Wet.	
Sumburgh Head	48.0	36.7	41.7	40.2	2.07
Stornoway	48.9	37.2	43.8	42.3	2.05
Wick	48.9	36.9	43.1	41.2	1.63
Nairn	50.9	37.3	42.7	40.4	1.26
Aberdeen	49.3	38.0	43.2	40.7	2.16
Leith	52.0	37.9	44.1	41.7	1.57
Shields	49.0	38.6	43.5	41.4	1.80
Sour Head	48.4	40.3	44.0	42.3	1.45
York	43.5	37.7	43.8	41.6	1.75
Loughborough	55.1	38.1	44.4	42.1	1.78
Ardrrossan	51.5	39.5	44.4	42.1	2.14
Mullaghmore	51.9	42.3	45.3	43.0	2.05
Donaghadee	51.0	40.0	44.6	42.9	1.92
Holyhead	51.4	42.0	45.8	43.8	1.90
Liverpool	52.6	40.4	45.0	42.1	1.55
Parsonstown	54.6	38.0	45.0	42.5	2.04
Valencia	53.9	42.8	48.2	45.6	3.83
Roche's Point	53.7	42.1	46.8	44.5	3.24
Pembroke	50.4	41.9	45.2	43.4	1.94
Seilly	52.1	44.7	48.6	46.6	2.27
Prawle Point	51.9	40.7	46.2	44.6	2.07
Jersey	54.2	43.5	48.5	45.9	2.08
Hurst Castle	52.1	41.0	45.5	44.2	1.83
Dover	51.1	41.5	45.3	44.0	1.77
LONDON	56.0	39.7	46.1	43.2	1.84
Oxford	54.0	38.9	44.4	42.1	1.78
Cambridge	55.8	37.3	45.2	43.0	1.69
Yarmouth	49.1	39.9	44.7	43.0	1.70

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, over the north of Scandinavia; 30.0 in. and upwards, over Belgium and the eastern and central parts of France.
 Lowest, 29.6 and less, in a depression lying off the west of Ireland; 29.7 in. and less, in another disturbance lying over the northern part of the British Isles.
 Gradients slight generally. Barometer falling in most parts of the United Kingdom and France, as well as in the south of Sweden, but rising elsewhere.

TEMPERATURE

Highest, 52° at Dublin, 48° at Valencia Island, 45° at Rocher Point and Sully, 44° at Kippure and 43° at Mullaghmore, Buncrana and Breet.
 Lowest, 16° at Kaparanda, 21° at Kermasand, 24° at Boco, 26° at Tarsu, 27° at York, and 28° at Christianaund, Stockholm, and Loughborough.
 Sharp frost again occurred last night over the inland parts of England; in London the thermometer in the grass fell to 13°.

WIND

SE over the greater part of our Islands and the west of France; strong in force over Ireland and the southwest of England.
 Variable on our northeast coasts and also in the east of France.
 E in the west of Norway; N in Sweden and Denmark.
 A moderate gale from the SE was experienced last night in the south of Ireland, and a whole gale at Kilmullet.

WEATHER

Dull and rainy in several parts of Ireland and the southwest of England.
 Fine in most other parts of Western Europe, but snow falling in Sweden. A solar halo is visible at Holyhead.
 Heavy rain has fallen at Valencia Island. Bright Aurora was seen last night in the north of Scotland.

SEA

Rather rough on our southwest coasts, but moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression in the west is spreading eastwards, and unsettled rainy weather seems likely to extend over England.
 Strong winds from the SE^{ad} will probably continue on many parts of our west and southwest coasts.

FORECASTS

For the 24 hours ending at NOON on 2 APRIL 1891.

DISTRICTS.

FORECASTS.

- | | | |
|---|------------------|---|
| 0 | SCOTLAND NORTH | Variable breezes, finally SE ² ; fair generally. |
| 1 | SCOTLAND EAST | |
| 2 | ENGLAND N.E. | Same as No 5. |
| 3 | ENGLAND EAST | |
| 4 | MIDLAND COUNTIES | |
| 5 | ENGLAND SOUTH | SE ² winds, light; fair to dull with some rain or sleet. |

DISTRICTS.

FORECASTS.

- | | | |
|----|---------------|---|
| 6 | SCOTLAND WEST | E ² and SE ² winds, moderate; fair to dull and unsettled. |
| 7 | ENGLAND N.W. | |
| 8 | ENGLAND S.W. | SE ² winds, strong; dull, some rain. |
| 9 | IRELAND NORTH | |
| 10 | IRELAND SOUTH | Variable winds, force doubtful; changeable, some showers. |

WARNINGS

The SOUTH CONE was hoisted last evening in districts 7 to 10.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR:	THER:		WIND		WEA.	SEA		BAR:	THER:		WIND		WEA.	SEA
		D.	W.	D.	F.					D.	W.	D.	F.		
Skudesnaes ...	29.70	43	36	SE	2	b	2	Holyhead ...	30.03	46	40	WNW	1	b	2
Sumburgh Head ...	29.56	43	39	NE	1	b	2	Valencia ...	29.85	44	45	SE	7	c	6
Stornoway ...	29.75	45	42	SE	3	b	3	Scilly ...	30.01	50	47	NNE	4	c	3
Aberdeen ...	30.00	42	38	NNE	2	b	3	Jersey ...	30.01	46	40	NW	3	b m	3
Shields ...	29.98	44	41	NNE	3	b	4	Dungeness ...	30.01	41	40	SW	2	c	1
Ardrossan ...	29.98	46	43	SW	1	b	1	London ...	30.01	44	41	WNW	1	c	*
Malin Head ...	29.93	43	37	SE	4	b	2	Yarmouth ...	29.97	37	36	E	2	c f	4
Mullaghmore ...	29.92	46	38	SE	4	b	2	Rocheport ...	30.04	51	47	NW	3	b	*
Belmullet ...	29.86	49	40	S	0	b	*								

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

Weather still very unsettled, with snow, over northern Russia, the Baltic, Germany, and Poland, and dull over southeastern Europe, but fine over Western Europe as a whole excepting Valencia Island. Considerable rain in Ireland later and snow at several Continental stations lying to the eastward of the North Sea. Fine weather continuing over Great Britain and France.

Temperature inclined to rise a little over Great Britain, Hungary, and southern Russia, fallen in most other places, and still very low generally for time of year. Morning readings exceeding 50° at most of the Mediterranean stations, in Portugal, and over southeastern Europe and exceeding 40° in the south of France and in the west and southwest of our Islands, lower elsewhere. Lowest 14° at Haparanda, 16° at Archangel, 23° at Bodo, 24° at Kuopio, 29° at Helsingfors and Althausburg, and as low as 34° at Oxford, 35° at Paris and 36° in London. Rising to 50° and more at some of the Irish stations and at Cambridge, as well as in the west and south of France. Succeeding night very cold over Great Britain.

Wind light and anticyclonic over Western Europe (SE in Ireland, NW to N elsewhere) but fresher and cyclonic over northern Europe (NE to N over Sweden and Finland, S at Petersburg and Moscow). Light and very variable over Eastern and southern Europe as a whole but very strong from the W at Tangier, fresh from NW at Toulon. Wind becoming more S in Ireland later and increasing in force.

Barometer highest 30.0 in: and more in an elongated anticyclone covering the British Isles, the Bay of Biscay, north of Spain and west of France. Lowest, 29.3 and less, in a well formed depression over the Gulf of Finland, and below 29.7 in: over northern Italy. Gradients steep over Finland and Gulf of Bothnia, slight elsewhere. Falling briskly in Ireland later, towards which country depressions seemed to be advancing from the southward.

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, 2nd April, 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.	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 ...	29.92	12	Z	0	b	30.36	+0.8	6	5	-10	N	2	c	*	28	5		
	Hernösand ...	30.17	24	NW	2	b	30.23	+1.3	24	22	+3	NNE	4	o	*	30	19		
	Stockholm ...	29.82	30	N	6	S	29.81	+0.8	31	30	+3	NE	9	S	*	36	28	0.28	
	Wisby ...	29.72	32	NW	6	o	29.70	+0.6	33	32	+2	NNE	2	bc	*	36	25	0.16	
	Bodö ...	30.36	27	E	2	b	30.35	+1.0	28	24	+4	E	2	b	1	32	19		
	Christiansund ...	30.18	32	ESE	4	b	30.20	+0.7	31	29	+3	ENE	2	b	2	41	27		
	Skudesnaes ...	30.03	33	Z	0	b	30.08	+0.9	34	28	+1	Z	0	b	1	41	33		
	Christiania Fjord (Færdar)	30.05	30	NNE	5	o	29.96	+0.1	32	28	+6	N	6	o	2	?	26		
	Skagen (The Scaw)	29.99	30	NE	5	c	29.91	0.0	30	28	0	NNE	5	o	4	32	28		
	Fanö ...	29.99	29	N	4	o	29.97	+0.7	31	30	+2	N	4	b	*	34	28		
BRITISH ISLANDS.	Sumburgh Head ...	29.91	38	E	2	c	30.04	+1.0	35	34	-3	E	3	S	3	41	33	0.01	
	Stornoway ...	29.79	42	SE	4	b	29.81	-0.5	39	37	-1	SE	5	bc	4	44	33		
	Wick ...	29.86	40	ESE	2	c	29.93	0.0	38	36	-1	SE	4	C	3	38	37	0.03	
	Nairn ...	29.81	41	ESE	1	b	29.81	-1.1	37	35	+2	E	3	bm	1	47	31		
	Aberdeen ...	29.89	39	SE	2	bc	29.92	-0.2	40	36	+6	SE	5	bcg	5	44	34		
	Leith ...	29.81	43	NE	3	c	29.78	-1.5	39	37	0	E	2	c	*	48	35		
	Shields ...	29.84	39	SE	4	bc	29.78	-1.5	40	38	+8	SE	5	c	4	43	29	0.05	
	Spurn Head ...	29.87	40	SE	4	c	29.81	-1.2	40	38	0	SE	6	C	4	42	38		
	York ...	29.86	43	ESE	1	c	29.83	-1.3	38	36	+11	E	2	o	*	48	25	0.01	
	Loughborough ...	29.85	46	ESE	2	o	29.78	-1.8	39	36	+11	SE	2	og	*	51	28		
GERMANY & HOLLAND.	Ardrossan ...	29.75	44	E	3	om	29.68	-1.9	38	36	+2	ENE	4	om	3	50	35		
	Malin Head ...	29.59	38	SE	5	or	29.47	-2.7	38	36	0	SE	6	or	3	42	36	0.14	
	Mullaghmore ...	29.54	43	ESE	5	og	29.44	-2.3	40	39	0	E	5	om	4	43	39	0.43	
	Belmullet ...	29.49	48	SW	3	c	29.44	-1.5	43	43	0	E	2	o	*	49	39	0.21	
	Donaghadee ...	29.73	41	S	5	o	29.56	-2.8	38	34	-4	SE	7	o	5	46	35	0.89	
	Liverpool (Bidston)	29.79	45	SSE	2	o	29.63	-2.6	35	35	-1	ESE	6	OTS	4	47	38	0.37	
	Holyhead ...	29.76	42	SSE	3	grm	29.53	-3.2	39	38	0	SSE	6	grm	5	47	37	0.15	
	Parsonstown ...	29.56	45	SE	1	o	29.43	-2.6	43	42	+2	Z	0	C	*	46	40	0.36	
	Valencia ...	29.57	51	WSW	2	c	29.46	-1.4	48	45	0	NW	3	Cp	3	55	44	0.14	
	Roche's Point...	29.59	48	SSW	4	c	29.47	-2.0	46	44	+1	W	3	b	4	49	44	0.15	
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	29.73	44	SSE	5	r	29.49	-3.3	44	44	+2	SSE	5	Tq	5	45	41	0.50	
	Scilly ...	29.69	46	S	5	r	29.56	-2.0	48	48	+3	WSW	4	r	5	48	43	0.15	
	Prawle Point...	29.76	43	SSE	2	b	29.64	-2.3	42	39	-1	SSE	6	og	4	45	39		
	Jersey (St. Aubin's)	29.84	47	ESE	3	bc	29.75	-1.7	44	40	+2	SE	4	cg	3	50	41		
	Hurst Castle ...	29.87	42	SSE	2	bc	29.74	-1.9	43	41	+1	SSE	3	o	2	47	40		
	Dungeness ...	29.91	42	Z	0	b	29.84	-1.0	42	39	+7	SSE	4	bc	2	46	35		
	London ...	29.89	43	SSE	2	c	29.80	-1.5	42	38	+6	SE	3	o	*	50	36		
	Oxford ...	29.87	41	S	2	c	29.76	-1.8	40	37	+6	SSE	2	o	*	50	34		
	Cambridge ...	29.89	40	SE	1	o	29.81	-1.7	41	38	+7	SE	1	o	*	52	32		
	Yarmouth ...	29.90	40	SE	3	cm	29.87	-0.5	39	38	0	SSE	4	bc	4	43	37		
GERMANY & HOLLAND.	Cuxhaven ...	29.94	34	N	3	bc	29.98	+1.2	32	30	-1	NE	2	b	*	36	30		
	Berlin ...	29.91	31	NW	3	c	29.95	-0.5	32	30	0	NW	4	S	*	37	30	0.04	
	Wiesbaden ...	*	*	*	*	*	29.95	-0.5	32	30	0	NW	1	b	*	43	27		
	Munich ...	29.99	25	Z	0	b	29.93	-0.5	22	21	-6	SE	3	b	*	41	14		
	The Heider ...	29.97	37	NE	1	b	29.98	+0.1	35	31	-2	Z	2	b	3	41	32		
	Brussels (8 a.m.)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
	Cape Gris Nez ...	29.90	40	E	1	bc	29.84	-1.2	37	33	+1	SSE	3	bc	1	46	34		
	Paris ...	29.91	43	E	2	b	29.85	-1.6	34	31	+5	ENE	2	b	*	49	29		
	Brest ...	29.83	47	S	4	c	29.73	-1.3	45	42	+2	S	5	o	3	50	39		
	Lorient ...	29.80	47	Z	0	e	29.75	-1.1	39	37	-4	ESE	2	bc	3	51	37		
FRANCE AND BELGIUM.	Rochefort ...	29.76	53	SE	3	b	29.77	-1.1	40	37	+3	E	3	b	*	63	30		
	Belfort ...	*	34	N	3	bc	?	?	34	?	-7	N	2	bc	*	48	27		
	Lyons ...	29.88	43	NE	1	bc	29.86	-2.8	38	34	+7	ESE	1	o	*	48	31		
	Nice ...	29.91	44	S	3	c	29.93	-1.0	41	34	+4	NE	5	bc	2	55	36		
	Perpignan ...	29.81	50	NE	3	o	29.77	-1.4	48	48	+4	Z	0	o	*	54	44		
	Biarritz ...	29.71	52	E	3	r	29.80	-1.9	50	48	+10	NW	4	r	2	59	40	0.16	
	Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*		
	Lisbon ...	29.87	55	NW	5	c	29.98	+0.5	52	47	0	NW	4	o	*	57	50	0.20	

WEATHER CHARTS

for 8 a.m. on Thursday, 2nd April, 1891.

BAROMETER, WIND AND SEA.

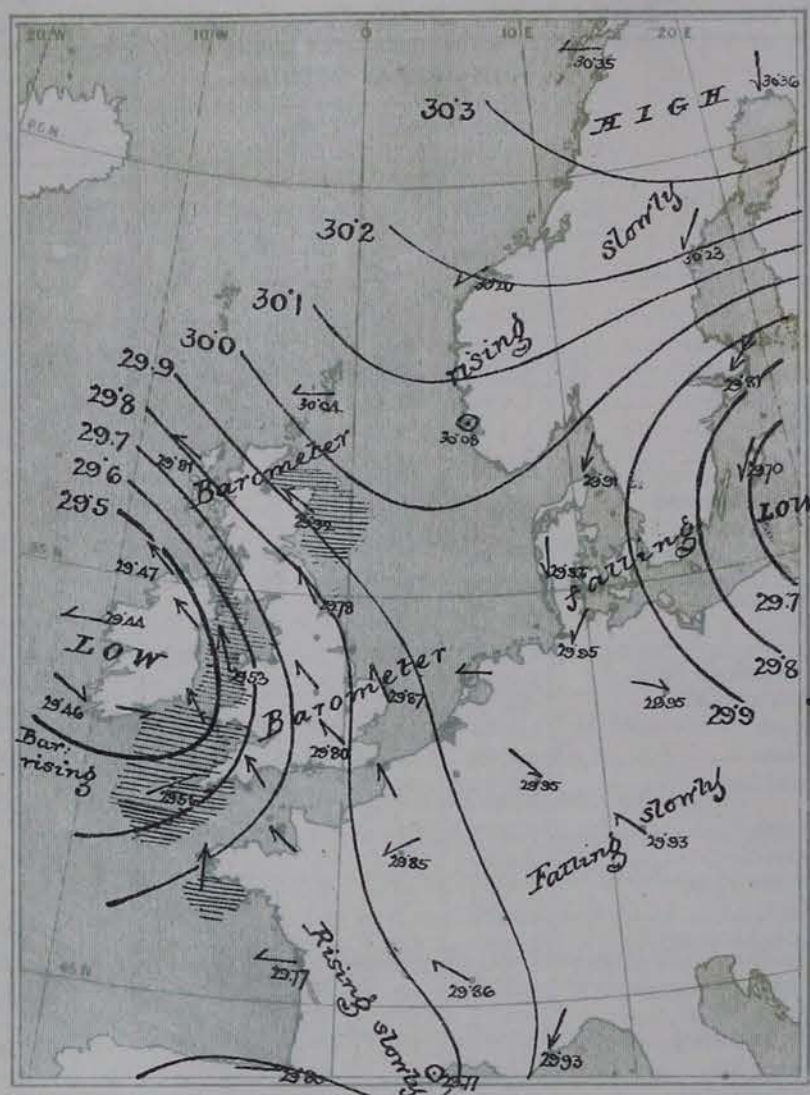
EXPLANATION OF MAP

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 April
During the 29 Years: 1871—1890.

STATIONS.	MEAN READINGS.
Sumburgh Head.....	29.840
Stornoway.....	29.824
Wick.....	29.818
Nairn.....	29.848
Aberdeen.....	29.858
Leith.....	29.863
Shields.....	29.866
Spurn Head.....	29.863
York.....	29.875
Loughborough.....	29.879
Ardrossan.....	29.857
Mullaglmere.....	29.839
Donaghadee.....	29.859
Holyhead.....	29.857
Liverpool.....	29.867
Parsonstown.....	29.864
Valencia.....	29.834
Roche's Point.....	29.851
Pembroke.....	29.852
Silly.....	29.856
Prawle Point.....	29.870
Jersey.....	29.872
Hurst Castle.....	29.871
Dover.....	29.861
LONDON.....	29.878
Oxford.....	29.844
Cambridge.....	29.880
Yarmouth.....	29.872



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.

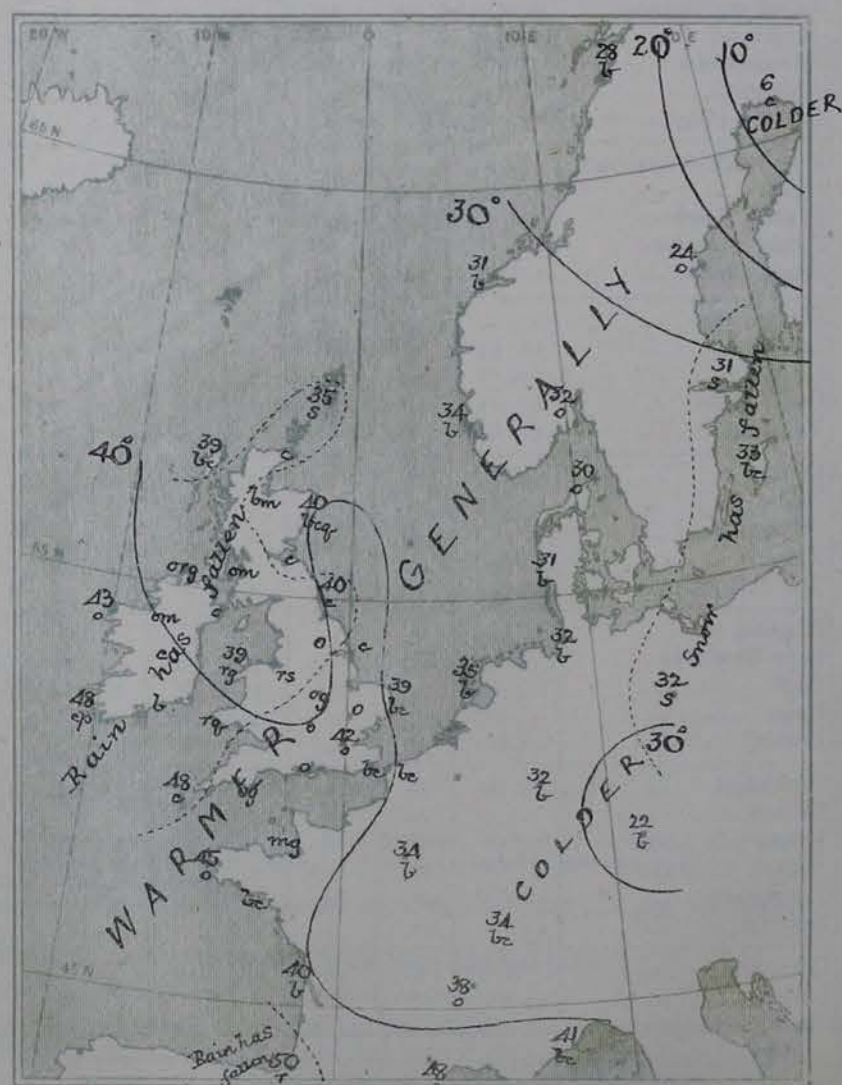
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of April.)

STATIONS.	TEMPERATURE.				RAINFALL (Inches.)
	Daily Max.	Daily Min.	At 8 a.m.		
			Dry.	Wet.	
Sumburgh Head.....	46.0	36.7	41.7	40.2	2.07
Stornoway.....	45.0	37.2	43.8	42.3	2.65
Wick.....	48.9	36.9	43.1	41.2	1.63
Nairn.....	50.9	37.3	42.7	40.4	1.26
Aberdeen.....	49.3	38.0	43.2	40.7	2.16
Leith.....	52.0	37.9	44.1	41.7	1.57
Shields.....	49.0	38.6	43.5	41.4	1.80
Spurn Head.....	48.4	40.3	44.0	42.3	1.45
York.....	43.5	37.7	43.8	41.6	1.75
Loughborough.....	55.1	38.1	44.4	42.1	1.73
Ardrossan.....	51.5	39.5	44.4	42.1	2.14
Mullaglmere.....	51.9	42.3	45.3	43.0	2.05
Donaghadee.....	51.0	40.0	44.0	42.0	1.92
Holyhead.....	51.4	42.0	45.8	43.8	1.90
Liverpool.....	52.6	40.4	45.0	42.1	1.55
Parsonstown.....	54.6	38.0	45.0	42.5	2.04
Valencia.....	53.9	42.8	48.2	45.6	3.83
Roche's Point.....	53.7	42.1	46.8	44.5	3.24
Pembroke.....	50.4	41.9	45.2	43.4	1.04
Silly.....	52.1	44.7	48.6	46.6	2.27
Prawle Point.....	51.9	40.7	46.2	44.6	2.07
Jersey.....	54.2	43.5	48.5	45.9	2.08
Hurst Castle.....	52.1	41.0	45.5	44.2	1.83
Dover.....	51.1	41.5	45.3	44.0	1.77
LONDON.....	56.0	39.7	46.1	43.2	1.84
Oxford.....	51.0	38.9	44.4	42.1	1.78
Cambridge.....	55.8	37.3	45.2	43.0	1.69
Yarmouth.....	49.1	39.0	44.7	43.0	1.70

NOTE—The Temperature means are for the 29 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, over the northern parts of Scandinavia.
 Lowest, 29.5 in. and less, in a depression lying over Ireland and the *George Channel*; 29.7 in. and less, in another disturbance lying over the Baltic.
 Gradients rather steep over the western part of Great Britain and also over the south of Sweden, but slight elsewhere.
 Barometer rising at many of the Scandinavian stations and also in the southwest of France, but falling elsewhere.

TEMPERATURE

Highest, 52° at Lisbon, 50° at Biarritz, 48° at Valencia Island, Sicily and Perpignan, and 46° at Rock of Biscay.
 Lowest, 6° at Haparanda, 22° at Munich, 24° at Hernösand, 28° at Riga, and 30° at Kaga.
 During yesterday, the thermometer rose to between 50° and 52° at several of the English stations and to 55° at Valencia Island.

WIND

SE³ over the greater part of our Islands and France, but W¹ on our extreme southwest coasts; strong in force in the north of Ireland and the western part of Britain.
 Light from the End in the west of Norway; N¹ or NE¹ over Sweden and Denmark, with a gale at Stockholm; light or moderate from NW in Germany.

WEATHER

Rainy in Wales and also in the north of Ireland.
 Fine in most other parts of our area, but snow reported at Stockholm, Lumburg, and Berlin. A solar halo is visible at Jersey, Sittingbourne and London.
 Rain fell yesterday at many of our western stations, the largest amount being 0.9 in. at Donaghadee.

SEA

Rather rough on our southwest coasts and also at Aberdeen and Donaghadee, but moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The barometer continues to fall at most of our western stations and gradients in the north are steadily increasing.
 The wind seems likely to increase to a gale from the SEnd in Scotland and the northeast of England, with rain or sleet in many places.

FORECASTS

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

DISTRICTS.

FORECASTS.

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

SE² winds, increasing to a gale; unsettled, some rain or sleet.
 SE² and S² winds, moderate or fresh; unsettled, some rain.

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
 SE² winds, strong, perhaps a gale; unsettled, rain at times.
 S² and SW² winds, strong in places; changeable, some showers.
 Same as No 7.
 Varying W² winds; changeable, some showers.

WARNINGS

The SOUTH CONE has been lowered this morning in district 10, but hoisted in districts 0 to 2 and 6. It is still flying in districts 7 to 9.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER.		WIND		WEA.	SEA		BAR.	THER.		WIND		WEA.	SEA
		D.	W.	D.	F.					D.	W.	D.	F.		
Skudesnaes ...	29.00	44	34	NEW	2	bc	2	Holyhead ...	29.80	45	41	S	3	og	2
Samburgh Head ...	29.93	38	35	ESE	2	csp	3	Valettila ...	29.60	55	52	SW	4	bcn	3
Stornoway ...	29.84	44	39	SE	5	b	4	Scilly ...	29.71	47	45	SSE	5	o	6
Aberdeen ...	29.90	43	40	ESE	2	bc	3	Jersey ...	29.88	48	44	ESE	3	bc	3
Shields ...	29.88	42	38	S	3	b	4	Dungeness ...	29.93	46	44	SW	4	bc	2
Ardrossan ...	29.79	48	44	E	3	c	2	London ...	29.90	47	41	SE	2	o	8
Malin Head ...	29.67	39	38	SE	5	ov	2	Yarmouth ...	29.92	43	41	ESE	3	b	3
Mullaghmore ...	29.60	43	40	ESE	6	og p	4	Rocheport ...	29.89	57	44	ESE	3	bc	2
Belmullet ...	29.55	48	47	ESE	3	o	*								

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

Weather still dull and unsettled over Ireland, Sweden, the Baltic, and western Russia, with snow in several places; much finer than of late over the North Sea and France, but becoming unsettled and raining over the western part of the British Isles, the northwest of Spain and the adjacent parts of Atlantic. Rain later on all our western and northern coasts, heavy at Donaghadee and Loughbeg, snow in Sweden and at Berlin, Italy, in several parts of England.

Temperature rising a little in the extreme west. Morning readings exceeding 50° at many Spanish, Algerian, and Italian stations and at Lisbon; touching 48° at Valencia Island, lower elsewhere, below 40° over England, and below 30° over northern and central Europe; as low as (1) 3° at Archangel, 16° at Haparanda, 21° at Kuopio and Helsingfors, 24° at Riga, Christianmünd and Hango, 29° at Riga, (2) 23° at Jönköping, 28° at Warsaw, Cracow, and Munich, 29° at Paris. Rising to 50° or more in the south and southwest of our Islands later, and to 55° or more in the south of France.

Wind E to N over northern Europe and blowing strongly in some places; W and NW over Germany and Austria, SE in the south of Russia. Variable in most other places, but S to SE on the west coast of the British Isles and over the Bay of Biscay, and blowing strongly at several stations. The S and SE, spreading all over our Islands and France later, but not blowing hard.

Barometer highest 30.2 ins. and more to 30.0 ins. over Lapland, Finland, and northern parts of Norway and Sweden; 30.0 ins. and more over Belgium and the east of France, and exceeding 29.9 ins. all over the North Sea, the eastern half of Great Britain, as well as France, south Germany and the Mediterranean. Lowest 29.6 ins. and less, in a depression over the Baltic Provinces, and also over the Atlantic off the west of Ireland; 29.7 ins. and less over Hungary. Falling slowly over western Europe later.

General Remarks on the Weather over Europe for 24 hours ended March 30th.

Weather in morning fine and bright in several parts of France and the British Islands but changeable and unsettled as a whole both over the United Kingdom and Continent. Snow falling at many stations in the northern and central countries, rain in the south and west. Snow or hail falling later over all our northern and eastern districts, as well as over central Europe (heavily in Poland and Hungary) rain in many parts of the Spanish Peninsula and at Constantinople.

Temperature still low generally; morning readings exceeding 50° at Constantinople, most of the Mediterranean and Adriatic stations and in Portugal, and exceeding 40° over the western and southern parts both of our Islands and France. Lowest 12° F. at Archangel, 14° at Haparanda, 27° at Kuopio, 28° at St. Petersburg, Moscow and Kharkov, 30° at Riga. Rising during day to 50° and more over the western and southern parts of the British Islands and over France, to between 55° and 65° over northern Italy and to between 60° and 70° over southern Italy and Algiers. Night very cold again over Great Britain.

Wind light to moderate from the E over northern Europe, strong N to NW over Scotland and England, moderate in Ireland; W to SW over Germany, S over Holstein. Moderate NE to N over the southern half of France, W over the northern parts of the Mediterranean, S in the south of Portugal, but NE at Corunna. NW wind in our Islands inclined to moderate as a whole later, but continuing strong in Scotland and blowing hard over Caithness.

Barometer highest (1) 30.1 ins. to 30.0 ins. over Ireland the Bay of Biscay and west of France, (2) 30.0 ins. and more over Algiers, (3) 29.8 ins. and more to 29.7 ins. over Russia. Lowest (1) 29.3 ins. to 29.2 ins. and less in a complex depression over Norway, Denmark and Holstein, (2) 29.6 ins. and less over the northern parts of the Adriatic, (3) 29.7 ins. over the Gulf of Genoa, and (4) 29.8 ins. off the Portuguese coast. Rather low over Poland and Hungary also. Not much change later, but complex depression, named above, becoming more simple.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER—Beaufort Scale is 1. 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 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.

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„ Weekly „ „ „ „

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DAILY WEATHER REPORT.

for *Friday, 3rd April,* 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 5.)	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 ...	30.34	24	N	0	b	30.30	-0.06	27	26	+2.1	NNE	2	bc	*	34	2	-	
	Hernösand ...	30.29	31	N	4	o	30.19	-0.04	27	23	+3	NW	2	b	*	41	19	-	
	Stockholm ...	30.01	34	NE	4	o	30.15	+0.34	32	30	+1	NE	2	b	*	36	28	0.04	
	Wisby ...	29.92	31	NNE	4	b	30.01	+0.31	36	35	+3	E	4	b	*	37	28	-	
	Bodö ...	30.36	33	N	0	b	30.38	+0.03	33	30	+5	E	2	b	1	55	23	-	
	Christiansund	30.16	36	NNE	6	b	30.26	+0.06	36	34	+5	E	3	b	2	36	31	-	
	Skudesnaes ...	30.05	36	E	2	c	30.08	-0.00	36	31	+2	E	2	b	2	39	34	-	
	Christiania Fjord (Fræder)	30.06	33	NNE	6	o	30.12	+0.16	33	32	+1	NNE	3	s	1	34	30	-	
	Skagen (The Scaw)	29.98	33	NNE	3	o	30.08	+0.17	32	30	+2	E	2	o	2	34	28	-	
	Fanö ...	29.97	31	NNE	2	o	30.00	+0.03	32	31	+1	E	3	o	*	36	31	-	
BRITISH ISLANDS.	Sumburgh Head	30.00	38	E	1	o	29.98	-0.06	36	34	+1	ESE	3	osp	3	42	32	0.05	
	Stornoway ...	29.86	39	SE	5	c	29.75	-0.06	37	35	-2	SE	6	bc	5	43	33	-	
	Wick ...	29.96	37	SE	6	o	29.88	-0.05	38	36	0	S	7	bc	6	43	36	0.11	
	Nairn ...	29.89	37	E	4	bc	29.82	+0.01	35	34	-2	E	1	bc	1	42	34	-	
	Aberdeen ...	29.95	36	SE	6	cghp	29.89	-0.03	37	33	-3	SE	6	cq	6	41	32	0.02	
	Leith ...	29.82	40	E	4	o	29.79	+0.01	37	34	-2	E	3	c	*	42	33	-	
	Shields ...	29.82	38	ESE	5	o	29.76	-0.02	37	34	-3	ESE	7	o	6	42	34	-	
	Spurn Head ...	29.76	39	ESE	8	b	29.69	-0.12	39	37	-1	E	8	bc	6	41	37	-	
	York ...	29.77	40	E	3	o	29.73	-0.10	38	35	0	E	4	c	*	45	33	0.06	
	Loughborough	29.72	42	SE	2	o	29.67	-0.11	36	34	-3	ESE	3	o	*	44	35	-	
GERMANY & HOLLAND.	Ardrossan ...	29.72	41	NNE	5	o	29.69	+0.01	37	36	-1	NNE	3	om	2	42	36	-	
	Malin Head ...	29.57	39	SE	6	og	29.46	-0.01	38	37	0	SE	7	og	3	40	35	0.03	
	Mullaghmore ...	29.49	44	E	5	om	29.41	-0.03	40	38	0	ESE	8	og	5	45	38	-	
	Belmullet ...	29.46	47	E	2	o	29.35	-0.09	41	41	-2	E	4	or	*	48	41	0.02	
	Donaghadee ...	29.64	41	SE	7	r	29.60	+0.04	40	38	+2	SE	7	o	5	41	36	0.08	
	Liverpool (Bidston)	29.65	37	ESE	6	o	29.61	-0.02	37	35	+2	E	5	o	5	40	35	0.14	
	Holyhead ...	29.56	41	ESE	4	og	29.55	+0.02	40	38	+1	ESE	3	og	3	43	37	0.19	
	Parsonstown ...	29.45	49	N	0	c	29.41	-0.02	41	41	-2	SE	2	r	*	50	40	0.04	
	Valencia ...	29.49	50	NW	2	cv	29.27	-0.19	46	45	-2	SE	6	rm	6	54	43	0.42	
	Roche's Point...	29.46	52	NW	3	b	29.40	-0.07	45	45	-1	S	4	r	4	53	41	0.15	
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	29.48	43	SSE	4	r	29.46	-0.03	40	39	-4	ESE	5	og	4	46	38	0.55	
	Scilly ...	29.53	48	W	4	c	29.43	-0.13	46	45	-2	SE	4	r	4	51	44	0.09	
	Prawle Point ...	29.54	44	S	2	o	29.51	-0.13	43	43	+1	NNE	2	o	1	44	37	0.31	
	Jersey (St. Aubin's)	29.61	45	SE	3	opm	29.55	-0.20	46	45	+2	SW	4	om	3	47	42	0.15	
	Hurst Castle ...	29.64	40	SE	3	r	29.54	-0.20	43	43	0	ESE	3	CT	2	47	40	0.23	
	Dungeness ...	29.71	44	SSE	3	c	29.59	-0.25	40	40	-2	SSE	4	o	3	46	40	0.04	
	London ...	29.70	44	ESE	3	o	29.61	-0.19	39	37	-3	E	2	o	*	47	38	-	
	Oxford ...	29.68	41	SSE	2	o	29.60	-0.16	39	37	-1	NNE	3	o	*	44	37	0.02	
	Cambridge ...	29.75	42	E	2	o	29.66	-0.15	39	37	-2	E	2	o	*	50	35	-	
	Yarmouth ...	29.80	39	ESE	6	bc	29.68	-0.19	38	37	-1	ESE	7	bc	5	41	35	-	
PORTUGAL.	Cuxhaven ...	29.99	34	N	3	c	29.96	-0.02	34	32	+2	ESE	3	b	*	34	32	-	
	Berlin ...	30.00	33	N	0	o	30.02	+0.07	33	32	+1	E	4	b	*	36	28	-	
	Wiesbaden ...	*	*	*	*	*	29.78	-0.17	38	34	+6	NE	2	o	*	46	32	-	
	Munich ...	29.86	31	E	2	b	29.80	-0.13	32	31	+10	E	2	o	*	37	21	-	
	The Helder ...	29.89	36	E	3	b	29.80	-0.18	34	32	-1	E	4	b	3	39	32	-	
	Brussels (9 a.m.)	*	*	*	*	*	29.67	-0.13	40	38	-2	SE	3	o	*	47	33	-	
	Cape Gris Nez	29.72	45	SE	3	c	29.60	-0.24	38	37	+1	SE	2	o	2	48	36	-	
	Paris ...	29.71	50	NE	1	o	29.62	-0.23	44	43	+10	S	1	o	*	53	34	0.08	
	Brest ...	29.62	52	NW	2	b	29.57	-0.16	47	47	+2	SSE	2	r	3	55	45	0.16	
	Lorient ...	29.64	46	NSW	3	bc	29.54	-0.21	46	45	+7	SSW	1	f	5	52	39	0.12	
PORTUGAL.	Rochefort ...	29.75	51	SW	4	o	29.64	-0.13	50	49	+10	SSW	3	r	4	59	40	0.35	
	Belfort ...	?	36	W	3	c	?	?	38	?	+4	W	3	r	*	46	34	-	
	Lyons ...	29.85	42	S	3	o	29.77	-0.09	42	41	+4	S	3	o	*	44	38	0.04	
	Nice ...	29.90	45	NW	1	o	29.86	-0.07	45	39	+4	W	3	o	1	55	41	-	
	Perpignan ...	29.87	49	SW	1	o	29.84	+0.07	46	43	-2	SW	1	o	*	55	42	0.08	
	Biarritz ...	29.86	53	W	3	c	29.78	-0.02	52	49	+2	SW	3	r	2	57	48	0.04	
	Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
	Lisbon ...	30.08	53	NW	3	o	30.10	+0.12	53	52	+1	NSW	4	o	5	59	52	-	

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, 3rd April, 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.

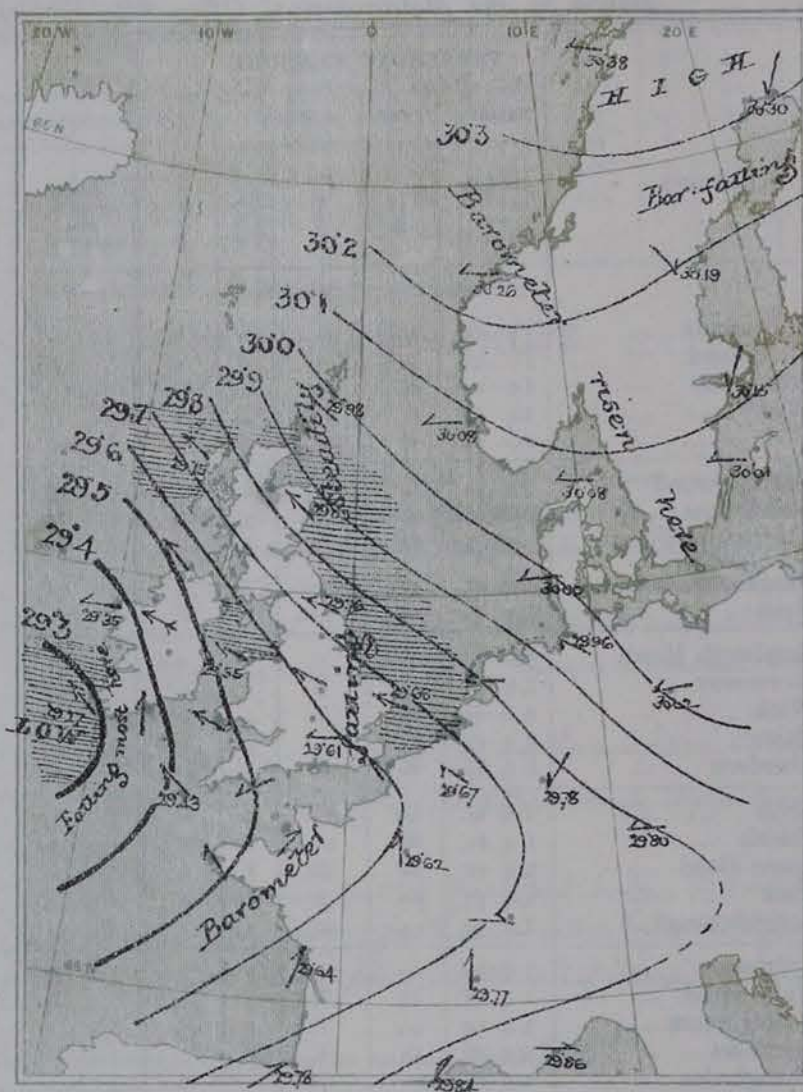
MEAN HEIGHT OF THE BAROMETER

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

STATIONS.

MEAN READINGS.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.840
Stornoway	29.824
Wick	29.818
Nairn	29.818
Aberdeen	29.858
Leith	29.863
Shields	29.866
Sour Head	29.863
York	29.875
Loughborough	29.879
Ardrossan	29.857
Mullaghmore	29.839
Donaghadee	29.839
Holyhead	29.857
Liverpool	29.867
Parsonstown	29.861
Valencia	29.854
Roche's Point	29.851
Pembroke	29.852
Sally	29.856
Prawle Point	29.876
Jersey	29.872
Hurst Castle	29.871
Dover	29.864
LONDON	29.878
Oxford	29.884
Cambridge	29.889
Yarmouth	29.872



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.

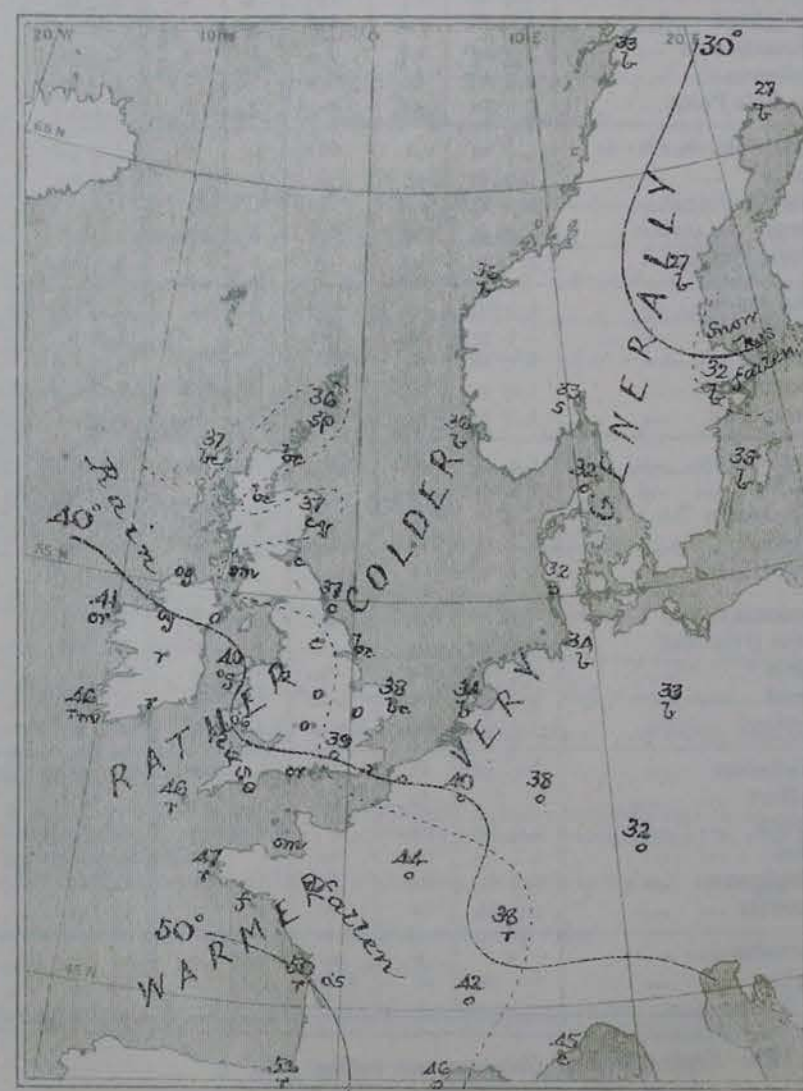
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of April.)

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	Daily at 8 a.m.	at 8 a.m.	
Sumburgh Head	46.0	36.7	41.7	40.2	2.07
Stornoway	48.9	37.2	43.8	42.3	2.05
Wick	48.9	39.9	43.1	41.2	1.68
Nairn	50.9	37.3	42.7	40.4	1.26
Aberdeen	49.3	38.0	43.2	40.7	2.16
Leith	52.0	37.9	44.1	41.7	1.57
Shields	49.0	38.6	43.5	41.4	1.80
Sour Head	48.4	40.3	44.0	42.3	1.45
York	43.5	37.7	43.8	41.6	1.75
Loughborough	50.1	38.1	44.4	42.1	1.78
Ardrossan	51.5	39.5	44.4	42.1	2.11
Mullaghmore	51.9	42.3	45.3	43.0	2.05
Donaghadee	51.0	40.0	44.6	42.9	1.92
Holyhead	51.4	42.0	45.8	43.8	1.90
Liverpool	52.6	40.4	45.0	42.1	1.55
Parsonstown	51.6	38.0	45.0	42.5	2.01
Valencia	53.9	42.8	48.2	45.6	3.83
Roche's Point	53.7	42.1	46.8	44.5	3.21
Pembroke	50.4	41.9	45.2	43.4	1.94
Sally	52.1	44.7	48.6	46.6	2.27
Prawle Point	51.9	40.7	46.2	44.6	2.07
Jersey	64.2	43.5	48.5	45.9	2.08
Hurst Castle	52.1	41.0	45.5	44.2	1.83
Dover	51.1	41.5	45.3	44.0	1.77
LONDON	56.0	39.7	46.1	43.2	1.84
Oxford	54.0	38.9	44.4	42.1	1.78
Cambridge	55.8	37.3	45.2	43.0	1.69
Yarmouth	49.1	39.9	44.7	43.0	1.70

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, 30.3 ins. and upwards, over the northern parts of Scandinavia; 30.1 ins. and upwards, in the south of Portugal.
 Lowest, 29.3 ins. and less, in a depression lying off the southwest of Ireland.

Gradients very irregular, but moderate on the whole.

Barometer falling at all but the Norwegian and Danish stations, — most in the south of Ireland.

TEMPERATURE

Highest, 53° at Lisbon, 51° at Brest, 50° at Archfort, 47° at Brest, and 46° at Valencia Island, Scilly, Jersey, Lorient, and Perpignan.

Lowest, 27° at Haparanda and Ånundavik, 32° at Stockholm, Skagen, Jaro and Munich, and 33° at Bisc and Berlin.

The maxima registered yesterday were below 50° in most parts of the United Kingdom, and below 45° on our northwest, north and east coasts.

WIND

SE over our Islands, and strong in force on all but our southern coasts, with a gale at Spinn Hill.

Light or moderate from the E over Scandinavia, Denmark, Germany and the Netherlands.

Light from the S or SW in France.

WEATHER

Fine on the north and east coasts of Great Britain, as well as over Sweden, Holland, and North Germany.

Dull elsewhere, with rain over the southwest of our Islands and the west of France, and snow showers at Lumburg Hill.

A solar halo is reported at Jersey.

Fair or sleet fell yesterday at all our western stations as well as in other isolated parts of the Kingdom.

SEA

Rough or rather so on all but our southern coasts.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression which ^{has} appeared off the southwest of Ireland seems likely to spread eastwards and northeastwards. Strong winds or gales from the SE are probable on many parts of our coasts; with rain or sleet in most districts.

FORECASTS

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

DISTRICTS.	FORECASTS.	DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	SE winds, strong to a gale; fair to unsettled, with some cold showers.	6 SCOTLAND WEST	E and SE winds, increasing in force; dull, some rain or sleet.
1 SCOTLAND EAST		7 ENGLAND N.W.	
2 ENGLAND N.E.		8 ENGLAND S.W.	SE winds, increasing in force; perhaps a gale; dull, rainy.
3 ENGLAND EAST	E and SE winds, strong, a gale on coast; dull, some rain.	9 IRELAND NORTH	Same as No 0 to 2.
4 MIDLAND COUNTIES	E and SE winds, freshening; dull, some rain.	10 IRELAND SOUTH	Same as No 8.
5 ENGLAND SOUTH			

WARNINGS

The SOUTH CONE has been hoisted this morning in districts 3 and 7 to 10, and is still flying in districts 0 to 2 and 6.

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 ...	30.03	39	38	N	2	b	2		Holyhead ...	29.54	42	40	SS E	5	099
Sumburgh Head ...	30.00	39	36	E	1	c	3		Valencia ...	29.50	51	48	NW	3	0V
Stornoway ...	29.85	43	39	SE	6	c	5		Scilly ...	29.53	51	50	WSW	4	c
Aberdeen ...	29.95	38	35	SE	6	o q	6		Jersey ...	29.67	47	44	SS E	4	0
Shields ...	29.81	40	38	E	5	c	5		Dungeness ...	29.77	46	43	SS E	3	6c
Ardrossan ...	29.71	42	40	ESE	4	0	3		London ...	29.74	46	40	SE	3	0
Malin Head ...	29.55	39	38	SE	6	0	3		Yarmouth ...	29.85	41	39	SE	5	6
Mullaghmore ...	29.47	44	42	E	5	o q m	4		Rochefort ...	29.79	54	50	WNW	3	c
Belmullet ...	29.46	45	44	ESE	2	0	*								

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

Weather fair over the greater part of western and central Europe, as well as in the south of France and north of Italy, but rainy in Wales and the north of Ireland. Dull elsewhere with snow at several of the Baltic stations and rain in Algeria as well as at Biarritz and Buda-Pesth. Rain or sleet falling later in all the more western parts of our Islands and France as well as in isolated parts of our other districts. The newspapers report considerable quantities of snow in north Wales.

Temperature highest 57° at Gran and Algiers, 56° at Constanza, San Fernando, Nemours, Maltes and Sfax, and 54° at Oporto, Palma and Brindisi, above 50° at most of the Mediterranean stations, but considerably below that point over the Riviera and north Italy. Lowest -1° F at Archangel, +6° at Haparanda, 14° at Uleaborg, 22° at Murmansk, and 24° at Hammerfest and Kuopio; below the freezing point over northern and central Europe generally, and below 40° over all the more northern and eastern parts of Great Britain. Daily maxima below 50° in most parts of the United Kingdom, and below 45° at most of our northern and eastern stations.

Wind SE over the greater part of our Islands and France, but W over our extreme southwest coasts; strong in force in the north of Ireland and the western parts of Great Britain. Light from the E over the west of Norway and also over the greater part of France. NE over Finland and Sweden, with a gale at Stockholm, W over Germany, Austria and the south of Russia; variable in Spain, Italy, and Algeria. Subsequently increasing to a strong breeze from the SE in the north and east of our Islands, but shifting to the W in the west of France.

Barometer highest 30.3 in. and upwards, over the extreme northern parts of Scandinavia and Russia, 30.0 in. and upwards over Austria, European Turkey, and the Black Sea; 29.9 in. and upwards over Portugal. Lowest 29.5 in. and less, in a depression lying over Ireland and the English Channel; 29.7 in. and less, in other disturbances lying respectively over Gotland, central Russia, and the neighbourhood of Malta. Such depression subsequently moving slowly southwards and beginning to disperse.

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, 4th April, 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 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 ...	30.27	31	N	2	c	30.34	+ 0.4	30	24	+ 3	Z	0	0	*	41	14	-	
Hernösand ...	30.34	31	Z	0	b	30.39	+ 2.0	26	25	- 1	Z	0	0	*	?	19	-	
Stockholm ...	30.23	30	N	2	b	30.29	+ 1.4	29	28	- 3	N	2	0	*	?	28	-	
Wisby ...	30.12	33	E	4	b	30.16	+ 1.5	36	32	0	E	2	0	*	43	28	-	
Bodö ...	30.33	33	E	1	b	30.32	- 0.6	33	28	0	E	2	0	1	39	28	-	
Christiansund	30.21	40	E	3	b	30.24	- 0.2	37	36	+ 1	ESE	1	0	2	45	30	-	
Skudesnaes ...	30.17	37	SSE	4	b	30.19	+ 1.1	40	36	+ 4	ESE	2	0	2	43	30	-	
Christiania Fjord (Færder)	30.21	36	Z	0	b	30.29	+ 1.7	33	31	0	NHE	3	0	1	37	32	-	
Skagen (The Seaw)	30.19	37	E	2	b	30.22	+ 1.4	34	32	+ 2	E	2	0	2	39	28	-	
Fanö ...	30.08	31	E	4	b	30.09	+ 0.9	33	32	+ 1	E	0	0	*	36	30	-	
Sumburgh Head	29.98	37	SE	5	sp	29.97	- 0.1	39	35	+ 3	SE	6	0	6	42	34	0.02	
Stornoway ...	29.69	41	SE	6	c	29.54	- 2.1	43	41	+ 6	SE	6	0	6	43	35	-	
Wick ...	29.86	38	S	7	o	29.78	- 1.0	41	38	+ 3	S	8	0	7	41	38	0.05	
Nairn ...	29.79	37	E	2	bc	29.68	- 1.4	42	40	+ 7	ESE	3	0	1	42	34	-	
Aberdeen ...	29.89	37	SE	6	ogp	29.83	- 0.6	40	38	+ 3	SE	7	ogu	7	40	34	0.02	
Leith ...	29.75	40	E	5	o	29.68	- 1.1	42	40	+ 5	SE	5	0	*	42	36	0.01	
Shields ...	29.75	39	ESE	6	o	29.74	- 0.2	40	39	+ 3	ESE	6	op	6	40	31	-	
Spurn Head ...	29.70	41	ESE	6	c	29.74	+ 0.5	41	40	+ 2	ESE	7	bc	5	42	34	-	
York ...	29.72	41	E	4	o	29.73	+ 0.0	42	40	+ 4	ESE	3	r	*	46	35	0.01	
Loughborough	29.67	47	E	3	o	29.69	+ 0.2	40	40	+ 4	ESE	3	ca	*	49	36	0.08	
ARDROSSAN	29.63	40	E	5	om	29.55	- 1.4	42	41	+ 5	ESE	5	om	4	43	?	0.18	
Malin Head ...	29.35	40	SE	7	ogt	29.39	- 0.9	45	44	+ 7	SSE	3	b	1	45	34	0.16	
Mullaghmore ...	29.30	42	ESE	7	rg	29.41	+ 0.0	46	44	+ 6	SE	4	cp	2	48	40	0.13	
Belmullet ...	29.19	48	S	2	o	29.34	- 0.1	45	44	+ 4	SE	2	o	*	48	40	0.12	
Donaghadee ...	29.53	43	SSE	6	gr	29.51	- 0.9	46	45	+ 6	S	6	c	4	46	39	0.19	
Liverpool (Bidston)	29.60	43	E	5	r	29.60	- 0.1	44	43	+ 7	ESE	4	o	3	47	34	0.18	
Holyhead ...	29.53	43	ESE	4	dq	29.55	+ 0.0	45	45	+ 5	S	2	gam	3	47	40	0.22	
Parsonstown ...	29.34	46	SE	2	o	29.42	+ 0.1	45	44	+ 4	SE	2	o	*	48	39	0.35	
Valencia ...	29.34	53	SW	6	cpm	29.34	+ 0.7	45	44	- 1	W	1	opm	1	55	43	0.33	
Roche's Point...	29.39	51	SW	4	bc	29.41	+ 0.1	47	46	+ 2	SSE	4	otr	4	53	45	0.45	
Pembroke (St. Ann's Hd.)	29.48	44	SE	4	r	29.56	+ 1.0	45	45	+ 5	SSW	3	f	4	46	39	0.24	
Scilly ...	29.51	50	SW	4	mp	29.55	+ 1.2	50	50	+ 4	S	4	cpm	4	53	46	0.16	
Prawle Point ...	29.50	44	E	1	f	29.66	+ 1.5	46	45	+ 3	S	4	f	3	47	42	0.13	
Jersey (St. Aubin's)	29.59	47	ESE	3	ogrm	29.73	+ 1.8	50	49	+ 4	SW	3	opm	3	50	44	0.21	
Hurst Castle ...	29.64	46	S	2	ogdp	29.68	+ 1.4	46	44	+ 3	SW	2	mr	2	48	42	0.15	
Dungeness ...	29.66	45	E	2	m	29.72	+ 1.3	45	45	+ 5	SE	1	c	0	48	40	-	
London ...	29.67	46	ESE	2	o	29.71	+ 1.0	44	43	+ 5	SE	2	ogt	*	50	38	0.03	
Oxford ...	29.68	45	E	2	o	29.68	+ 0.8	44	43	+ 5	SE	2	op	*	48	39	0.08	
Cambridge ...	29.68	45	E	2	o	29.74	+ 0.8	43	42	+ 4	SE	1	o	*	52	35	-	
Yarmouth ...	29.71	41	ESE	5	cq	29.78	+ 1.0	40	39	+ 2	ESE	5	b	4	41	34	-	
GERMANY & HOLLAND.																		
Cuxhaven ...	29.99	38	E	6	b	30.04	+ 0.8	35	32	+ 1	ESE	5	b	*	40	33	-	
Berlin ...	30.01	38	E	4	b	30.06	+ 0.4	35	32	+ 2	E	4	b	*	43	30	-	
Wiesbaden ...	*	*	*	*	*	29.88	+ 1.0	43	39	+ 5	NHE	1	o	*	50	32	-	
Munich ...	29.77	41	SE	2	b	29.87	+ 0.7	39	37	+ 7	SW	4	o	*	46	32	-	
The Helder ...	29.85	41	E	2	b	29.89	+ 0.9	35	34	+ 1	E	2	b	3	46	34	-	
FRANCE AND BELGIUM.																		
Brussels (8 a.m.)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
Cape Gris Nez	29.66	47	SE	2	c	29.71	+ 1.1	44	42	+ 6	SE	2	o	1	52	37	-	
Paris ...	29.68	52	EHE	2	o	29.70	+ 1.8	49	48	+ 5	S	1	o	*	54	44	0.04	
Brest ...	29.69	51	NW	2	o	29.67	+ 1.0	50	50	+ 3	WSW	4	o	4	54	45	0.16	
Lorient ...	29.70	49	W	3	c	29.77	+ 2.3	49	48	+ 3	SW	1	o	5	52	46	0.12	
Rochefort ...	29.74	52	WSW	5	o	29.88	+ 2.4	52	51	+ 2	WSW	4	o	4	54	41	0.24	
Belfort ...	?	36	W	3	o	?	?	38	?	?	W	3	o	*	46	35	0.04	
Lyons ...	29.75	42	S	2	c	?	?	46	45	+ 4	?	?	bc	*	?	40	0.08	
Nice ...	29.80	50	SW	4	c	29.85	- 0.1	45	43	0	EHE	4	o	2	54	41	-	
Perpignan ...	29.81	54	S	2	o	29.96	+ 1.2	55	53	+ 9	NW	3	o	*	51	40	0.04	
Biarritz ...	29.91	54	W	4	f	29.99	+ 2.1	53	52	+ 1	SW	3	o	3	57	50	0.35	
PENIN. ISLANDS.																		
Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
Lisbon ...	30.16	55	SW	4	r	30.18	+ 0.8	54	54	+ 1	NW	3	o	5	59	53	0.04	

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 Saturday, 4th April, 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:

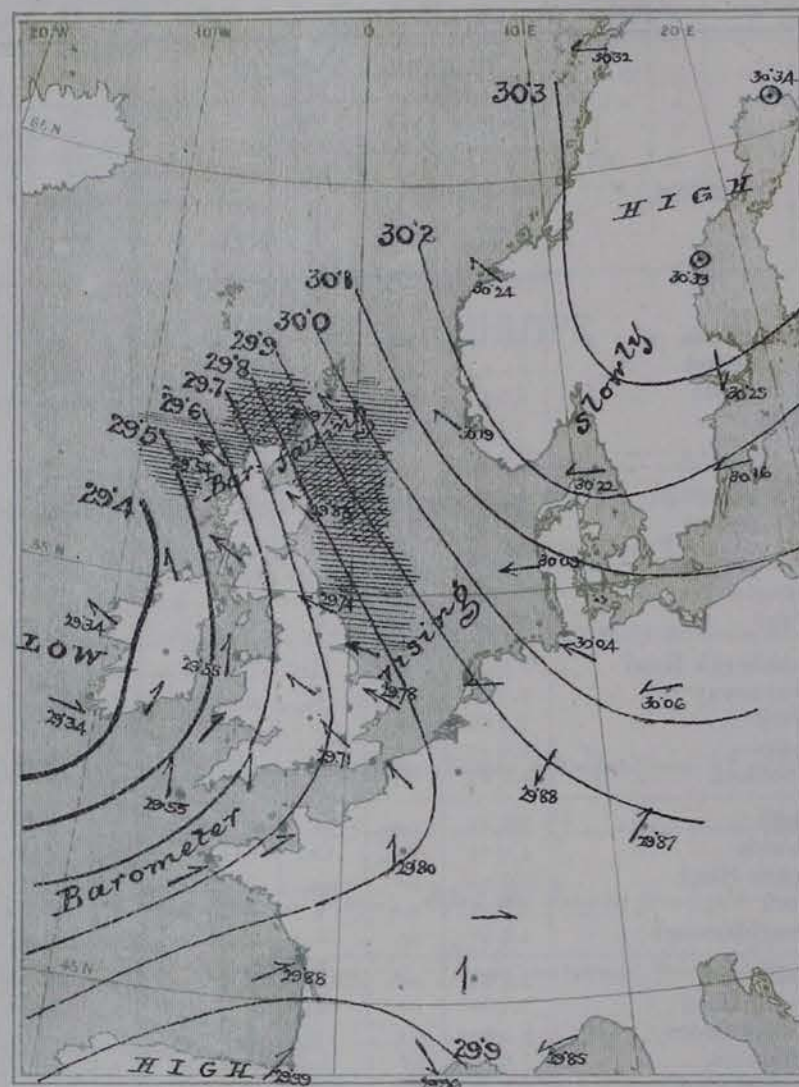
⊞ = Rough. ⊞ = High.

MEAN HEIGHT OF THE BAROMETER

at 8.0 a.m. for the month of April

During the 20 Years: 1871—1890.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.840
Stornoway	29.824
Wick	29.818
Nairn	29.848
Aberdeen	29.858
Leith	29.863
Shields	29.866
Spurn Head	29.863
York	29.875
Loughborough	29.879
Ardrossan	29.857
Mullaghmore	29.839
Donaghadee	29.859
Holyhead	29.857
Liverpool	29.867
Parsonstown	29.894
Valencia	29.854
Roche's Point	29.851
Pembroke	29.852
Sailly	29.836
Prawle Point	29.870
Jersey	29.872
Hurst Castle	29.871
Dover	29.864
LONDON	29.878
Oxford	29.881
Cambridge	29.889
Yarmouth	29.872



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.

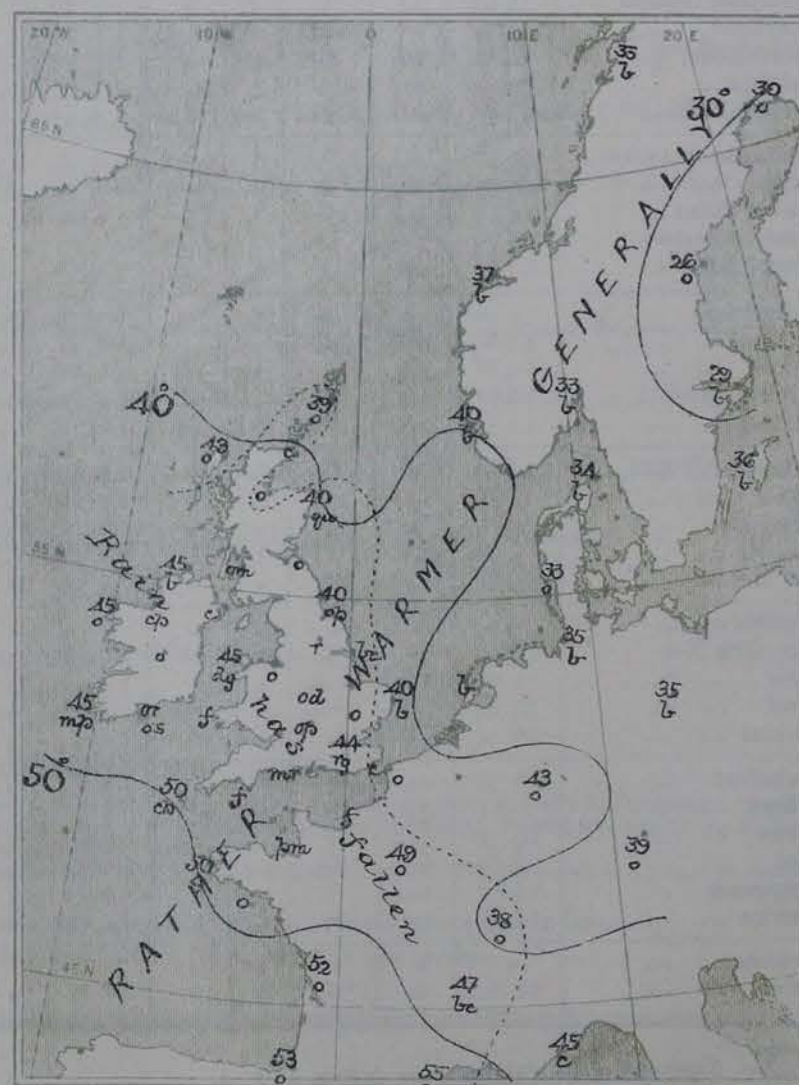
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of April.)

STATIONS.	TEMPERATURE.				RAINFALL (Inches.)
	Daily Max.	Daily Min.	Dry, at 8 a.m.	Wet.	
Sumburgh Head	46.0	36.7	41.7	40.2	2.07
Stornoway	45.9	37.2	43.8	42.3	2.65
Wick	48.2	36.9	43.1	41.2	1.63
Nairn	50.9	37.3	42.7	40.4	1.26
Aberdeen	49.3	38.0	43.2	40.7	2.16
Leith	52.0	37.9	44.1	41.7	1.57
Shields	49.0	38.6	43.5	41.4	1.80
Spurn Head	48.4	40.3	44.0	42.3	1.45
York	48.5	37.7	43.8	41.6	1.75
Loughborough	55.1	38.1	44.4	42.1	1.78
Ardrossan	51.5	39.5	44.4	42.1	2.14
Mullaghmore	51.9	42.3	45.3	43.0	2.65
Donaghadee	51.0	40.0	44.6	42.9	1.92
Holyhead	51.4	42.0	45.8	43.8	1.90
Liverpool	52.6	40.4	45.0	42.1	1.55
Parsonstown	51.6	38.0	45.0	42.5	2.04
Valencia	53.9	42.8	48.2	45.0	3.83
Roche's Point	53.7	42.1	46.8	44.5	3.24
Pembroke	50.4	41.9	45.2	43.4	1.94
Sailly	52.1	44.7	48.5	46.6	2.27
Prawle Point	51.0	40.7	46.2	44.6	2.07
Jersey	54.2	43.5	48.5	45.9	2.08
Hurst Castle	52.1	41.0	45.5	44.2	1.83
Dover	51.1	41.5	49.3	44.0	1.77
LONDON	56.0	39.7	46.1	44.2	1.84
Oxford	54.0	38.9	44.4	42.1	1.78
Cambridge	55.8	37.3	45.2	43.0	1.69
Yarmouth	49.1	39.8	44.7	43.0	1.70

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 our anticyclone lying over the greater part of Scandinavia; 30.1 in. and upwards, over the Spanish Peninsula.
Lowest, 29.4 in. and less, in a depression lying off the west of Ireland.

Gradients rather steep over the north of our Islands, but moderate or slight elsewhere.
Barometer falling over the northern parts of the United Kingdom, but rising elsewhere.

TEMPERATURE

Highest, 55° at Perpignan, 54° at Lisbon, 53° at Biarritz, 52° at Rochefort, and 50° at Reilly, Jersey, and Brest.
Lowest, 26° at Hernösand, 25° at Stockholm, 30° at Haparanda, and 33° at Bodo, Gaarder and Vana.

The maxima registered yesterday were below 45° in the north and east of our Islands, and below 50° at all but our extreme southern stations.

WIND

Strong from the SEth on our north and east coasts, with a gale at Mirk.
Light or moderate from the Eth over Norway, Denmark, Holland, North Germany, and the south of Sweden.
Moderate from the Sth in the southwest and south of our Islands, and from the SWth in the west of France.

WEATHER

Bell over the greater part of Western Europe; with rain or passing showers at many of the English and Irish stations.
Fine on the east coasts of England, as well as in Scandinavia, Holland and North Germany.
Since yesterday morning rain has fallen in most parts of our Islands and France, the largest amount being 0.5 in. at Rock Point.

SEA

High off the northeast of Scotland, and rough on our north and northeast coasts generally, but moderate to slight elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression in the forecast seems likely to travel away in a northerly direction, and the strong winds in the north will probably moderate gradually. The weather is likely, however, to remain in a somewhat changeable state generally, with some increase of temperature over England.

FORECASTS

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

DISTRICTS.

FORECASTS.

DISTRICTS.

FORECASTS.

0	SCOTLAND NORTH	{ SE th and S th gales, moderating gradually; squally, some showers.
1	SCOTLAND EAST	
2	ENGLAND N.E.	{ SE th winds, strong; unsettled, some showers.
3	ENGLAND EAST	
4	MIDLAND COUNTIES	{ SE th and S th winds, light to moderate; changeable, some showers.
5	ENGLAND SOUTH	

6	SCOTLAND WEST	{ SE th and S th winds, fresh or strong; changeable, some rain.
7	ENGLAND N.W.	
8	ENGLAND S.W.	{ S th and SW th winds, moderate or fresh; changeable, some rain.
9	IRELAND NORTH	
10	IRELAND SOUTH	Same as No. 6 and 7.
		Same as No. 8.

WARNINGS

The SOUTH CONE has been lowered this morning in districts 8 and 10, but is still flying in districts 3, 7 and 9.

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

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR:	THER:		WIND		WEA.	SEA		BAR:	THER:		WIND		WEA.	SEA
		D.	W.	D.	F.					D.	W.	D.	F.		
Skudesnaes ...	30.14	42	36	SE	4	C	2	Holyhead ...	29.55	46	41	ESE	3	C	3
Sumburgh Head ...	30.00	41	37	ESE	4	G	5	Valencia ...	29.31	54	52	SW	6	sm	6
Stornoway ...	29.74	43	40	SE	6	G	6	Scilly ...	29.49	53	52	SW	4	m	4
Aberdeen ...	29.57	37	34	SE	6	g g p h s	6	Jersey ...	29.59	48	47	SE	3	O	3
Shields ...	29.77	39	35	ESE	6	C	6	Dungeness ...	29.64	48	47	E	3	C	2
Ardrossan ...	29.62	42	40	E	5	O	3	London ...	29.64	47	45	ESE	2	O	5
Malin Head ...	29.44	40	38	SE	8	O	4	Yarmouth ...	29.64	41	39	ESE	6	C	5
Mullaghmore ...	29.37	41	40	E	4	O + g	5	Rochefort ...	29.61	54	53	W	5	T	3
Belmullet ...	29.28	43	42	ESE	5	O	*								

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

Weather fine on the north and east coasts of Great Britain, as well as over Sweden and many parts of Central Europe. Cloudy or overcast elsewhere with rain in the southwest of our Islands and the west of France, and snow showers at Lumburgh Hb. Rain falling during day in many parts of the United Kingdom and France, but weather improving somewhat on our southwest coast.

Temperature highest 60° at Algiers, 58° at Messina, 57° at Malta, and 56° at La Calle; above 50° over the central and southern parts of the Mediterranean generally, and also on the coasts of the Spanish Peninsula. Lowest 13° at Archangel, 21° at Hermandstadt, 22° at Uleaborg, 25° at Kuopio, and 27° at Haparanda and Hemöland; below the freezing point in most parts of northern and central Europe, and below 40° in the north and east of our Islands. Daily maxima below 45° in all the more northern and eastern parts of Great Britain, and below 50° at all but our extreme southern and southwestern stations.

Wind SE over our Islands and strong in force on all but our southern coasts with a gale at Spinn Hb. Light or moderate from the End over Scandinavia, Denmark, Germany and the Netherlands, from the NEnd in Finland, and from the Nnd over the Baltic Provinces as well as in the south of Italy. Light from the Snd or SWnd over the greater part of France and Spain, and from the Snd or SEnd in Algeria. Subsequently evening to the SWnd in the southwest of our Islands and to the Wnd in the west of France.

Barometer highest 30.3 in. and upwards, in an anticyclone lying over the north of Scandinavia; 30.1 in. and upwards, in another system lying over Morocco and the south of Spain. Lowest 29.3 in. and less, in a depression lying to the southwest of Ireland, 29.7 in. and less, in a shallow area lying to the Snd of Italy; 29.8 in. and less, in a well marked though not ^{deep} disturbance lying over Western Russia. Depression to southward of Ireland subsequently moving slowly northwards, and barometer rising on all our southern coasts.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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 5th April 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 12.)	SHADE TEMP.			
		Reading at 3 rd P. and Sea Level.	Dry.	Dir.	Force. (0 to 12.)		Reading at 8 th 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.	Amount of Rainfall.	
SCANDINAVIA.	Haparanda ...	30.34	21	Z	0	b	30.35	+ .01	23	22	- 7	Z	0	bc	*	41	23	—	
	Hernösand ...	30.41	24	Z	0	b	30.42	+ .03	21	20	- 5	Z	0	bc	*	32	14	—	
	Stockholm ...	30.23	28	Z	0	b	30.28	+ .09	29	26	0	E	2	bc	*	41	25	—	
	Wibby ...	30.24	30	NNE	4	b	30.23	+ .07	33	30	- 3	ESE	4	c	*	37	28	—	
	Bodö ...	30.37	28	E	1	b	30.28	- .04	22	30	- 1	E	2	bc	1	37	27	—	
	Christiansund	30.21	39	NE	1	b	30.23	- .01	35	32	- 2	ESE	1	bc	2	48	32	—	
	Skudesnaes ...	30.16	41	ESE	2	b	30.16	- .03	40	34	0	ESE	6	bc	5	50	37	—	
	Christiania Fjord (Færdar)	30.26	38	ENE	2	b	30.28	- .01	32	30	- 1	NNE	3	bc	2	41	32	—	
	Skagen (The Scaw)	30.19	37	E	2	b	30.21	- .01	33	30	- 1	E	3	bc	3	43	32	—	
	Fenö ...	30.06	32	E	6	b	29.99	- .10	34	31	+ 1	E	6	bc	*	39	30	—	
BRITISH ISLANDS.	Sumburgh Head	29.97	41	SE	7	c	29.95	- .02	41	39	+ 2	SE	6	c	7	45	37	—	
	Stornoway ...	29.61	43	SE	6	o	29.69	+ .15	40	38	- 3	SE	6	o	7	45	35	—	
	Wick ...	29.83	45	S	8	o	29.83	+ .05	41	40	0	S	7	o	8	46	40	—	
	Nairn ...	29.71	42	SE	4	c	29.72	+ .04	40	38	- 2	SE	2	o	2	43	35	—	
	Aberdeen ...	29.81	39	SE	8	cgm	29.79	- .04	40	38	0	ESE	7	ogm	8	43	37	0.01	
	Leith ...	29.65	42	E	4	o	29.63	- .05	40	39	- 2	E	5	r	*	43	39	—	
	Shields ...	29.69	40	ESE	6	o	29.62	- .12	40	39	0	ESE	6	op	7	41	37	0.04	
	Spurn Head ...	29.63	41	ESE	7	o	29.53	- .21	42	41	+ 1	E	6	rm	5	42	40	0.05	
	York ...	29.63	41	E	3	r	29.55	- .18	41	40	- 1	E	2	r	*	45	39	0.60	
	Loughborough	29.55	47	ESE	4	o	29.54	- .15	42	42	+ 2	E	1	of	*	49	39	0.91	
GERMANY & HOLLAND.	Ardrossan ...	29.54	44	E	4	om	29.54	- .01	42	42	0	ENE	5	o	3	45	40	—	
	Malin Head ...	29.37	44	SE	6	ogm	29.42	+ .03	41	41	- 4	SE	6	ogr	3	51	41	0.13	
	Mullaghmore ...	29.31	46	SE	4	op	29.37	- .04	44	44	- 2	E	5	or	3	52	42	0.12	
	Belmullet ...	29.28	47	S	2	o	29.39	+ .05	45	44	0	NW	1	o	*	50	41	0.13	
	Donaghadee ...	29.45	45	E	5	og	29.47	- .04	43	43	- 3	ESE	6	o	4	47	42	0.16	
	Liverpool (Bidston)	29.47	47	E	4	r	29.48	- .12	43	42	- 1	E	3	c	3	48	39	0.37	
	Holyhead ...	29.46	45	S	3	blgm	29.42	- .13	47	45	+ 2	SW	3	ogp	3	55	42	0.52	
	Parsonstown ...	29.34	48	SW	2	c	29.39	- .03	45	44	0	Z	0	o	*	54	42	0.17	
	Valencia ...	29.22	50	SSW	4	op	29.47	+ .13	49	47	+ 4	WNW	1	bcn	2	50	42	0.34	
	Roche's Point...	29.33	48	SSW	5	p	29.43	+ .02	48	45	+ 1	WNW	4	b	4	51	45	0.25	
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	29.48	45	SSW	3	c	29.41	- .15	45	45	0	SSW	3	cp	4	47	44	0.30	
	Scilly ...	29.53	50	SSW	4	c	29.51	- .04	49	47	- 1	WNW	6	bp	5	54	46	0.09	
	Prawle Point ...	29.58	46	W	4	b	29.52	- .14	46	46	0	WSW	5	c	4	48	44	0.10	
	Jersey (St. Aubin's)	29.67	48	W	4	c	29.64	- .09	48	48	- 2	SW	4	opm	3	52	45	0.32	
	Hurst Castle ...	29.57	45	SW	4	c	29.55	- .13	47	46	+ 1	SW	4	ogm	3	51	43	0.39	
	Dungeness ...	29.61	45	S	3	o	29.60	- .12	45	45	0	SW	3	o	2	48	41	0.09	
	London ...	29.57	51	SE	2	o	29.57	- .14	47	45	+ 3	SSW	2	o	*	54	40	0.41	
	Oxford ...	29.56	44	SSW	1	r	29.53	- .15	47	46	+ 3	SSE	2	o	*	56	40	0.40	
	Cambridge ...	29.59	44	E	2	o	29.56	- .18	46	45	+ 3	S	1	r	*	55	39	0.30	
	Yarmouth ...	29.66	43	ESE	5	cg	29.57	- .21	43	42	+ 3	S	2	bcn	4	43	40	0.23	
GERMANY & HOLLAND.	Cuxhaven ...	30.01	39	E	6	b	29.93	- .11	36	38	+ 1	E	6	bc	*	41	34	—	
	Berlin ...	30.05	29	E	4	b	29.97	- .09	37	35	+ 2	E	4	bc	*	45	32	—	
	Wiesbaden ...	*	*	*	*	*	29.68	- .20	44	43	+ 1	NE	3	r	*	52	43	0.55	
	Munich ...	29.91	37	SE	2	bc	29.79	- .08	37	37	- 2	SE	2	r	*	46	34	0.20	
	The Helder ...	29.73	48	E	1	c	29.66	- .23	41	41	+ 6	E	1	r	?	55	35	0.39	
	Brussels (S.A.M.)	*	*	*	*	*	29.69	- .10	45	43	0	SW	4	o	*	53	42	0.10	
	Cape Gris Nez	29.63	47	SSE	2	rm	29.61	- .10	44	43	0	W	4	c	4	55	41	0.24	
	Paris ...	29.72	53	SW	2	o	29.77	- .03	43	42	- 6	S	2	bc	*	61	41	0.20	
	Brest ...	29.73	51	WSW	4	bc	29.67	- .06	49	47	- 1	W	3	c	4	54	43	0.24	
	Lorient ...	29.72	50	WSW	4	b	29.70	- .07	47	45	- 2	SW	4	c	5	52	45	0.28	
FRANCE AND BELGIUM.	Rochefort ...	29.90	52	SW	5	r	29.86	- .02	50	48	- 2	W	4	bc	2	57	39	0.12	
	Belfort ...	29.79	45	W	3	r	29.79	?	47	?	+ 9	W	3	r	*	57	37	0.16	
	Leons ...	29.88	54	W	2	o	29.89	?	45	44	- 2	N	1	r	*	62	44	0.20	
	Nice ...	29.89	48	S	2	b	29.89	+ .04	48	45	+ 3	NE	3	c	1	59	43	—	
	Perpignan ...	29.94	57	SE	2	o	29.99	+ .03	53	49	- 2	NW	2	o	*	69	50	0.12	
	Biarritz ...	29.92	57	ENE	4	o	29.99	+ .00	54	49	+ 1	W	4	o	4	68	48	?	
	Corunna ...	*	*	*	*	*	30.02	+ .03	55	54	- 3	SW	4	bc	6	61	46	0.12	
GERMANY & HOLLAND.	Lisbon ...	30.17	57	WSW	2	o	30.15	- .03	55	51	+ 1	NNE	1	o	5	57	54	—	

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 Sunday, 5th April, 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.

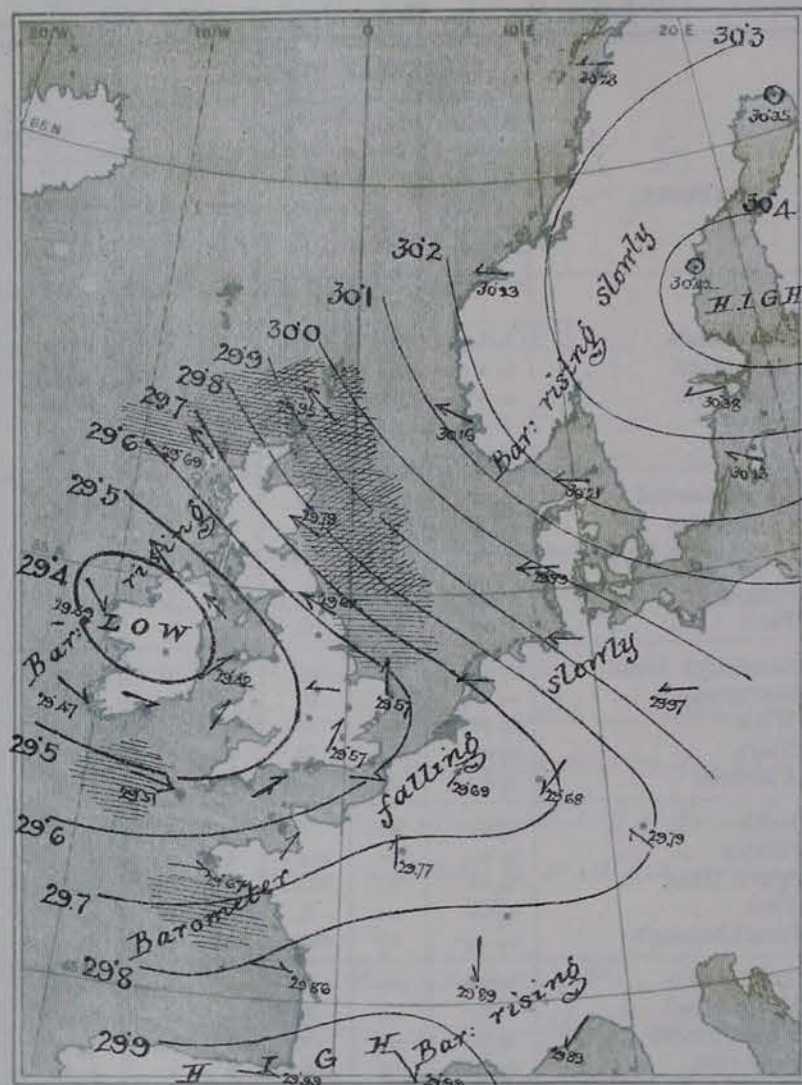
SEA DISTURBANCE—Where considerable, is shown thus:

— = Rough. — = High.

MEAN HEIGHT OF THE BAROMETER

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

STATIONS.	MEAN READINGS.
Sumburgh Head	29.840
Stornoway	29.824
Wick	29.848
Nairn	29.848
Aberdeen	29.858
Leith	29.863
Shields	29.866
Spurn Head	29.863
York	29.875
Loughborough	29.879
Ardrossan	29.857
Mullaghmore	29.839
Donaghadee	29.859
Holyhead	29.857
Liverpool	29.867
Parsonstown	29.864
Valencia	29.854
Roche's Point	29.851
Pembroke	29.852
Scilly	29.856
Prawle Point	29.876
Jersey	29.872
Hurst Castle	29.871
Dover	29.864
LONDON	29.878
Oxford	29.884
Cambridge	29.889
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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 April.)

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	At 8 a.m.	At 8 a.m.	
Sumburgh Head	46.0	38.7	41.7	40.2	2.07
Stornoway	48.9	37.2	43.8	42.3	2.05
Wick	48.9	36.9	43.1	41.2	1.63
Nairn	50.9	37.3	42.7	40.4	1.26
Aberdeen	49.3	38.0	43.2	40.7	2.16
Leith	52.0	37.9	44.1	41.7	1.57
Shields	49.0	38.0	43.5	41.4	1.80
Spurn Head	48.4	40.3	44.0	42.3	1.45
York	48.5	37.7	43.8	41.6	1.75
Loughborough	55.1	38.1	44.4	42.1	1.78
Ardrossan	51.5	39.5	44.4	42.1	2.14
Mullaghmore	51.9	42.3	45.3	43.0	2.05
Donaghadee	51.0	40.0	44.6	42.9	1.92
Holyhead	51.4	42.0	45.8	43.8	1.90
Liverpool	52.6	40.4	45.0	42.1	1.55
Parsonstown	51.6	38.0	45.0	42.5	2.04
Valencia	53.9	42.8	48.2	45.6	3.83
Roche's Point	53.7	42.1	46.8	44.5	3.24
Pembroke	50.4	41.9	45.2	43.4	1.94
Scilly	52.1	44.7	48.6	46.6	2.27
Prawle Point	51.9	40.7	46.2	44.6	2.07
Jersey	54.2	43.5	48.5	45.9	2.08
Hurst Castle	52.1	41.0	45.5	44.2	1.83
Dover	51.1	41.5	45.3	44.0	1.77
LONDON	56.0	39.7	40.1	43.2	1.84
Oxford	54.0	38.9	44.4	42.1	1.78
Cambridge	55.8	37.3	45.2	43.0	1.69
Yarmouth	49.1	39.9	44.7	43.0	1.70

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. to 30.4 in. and upwards, in an anticyclone lying over Scandinavia; 30.1 in. and upwards over Portugal.
Lowest, 29.4 in. and less, in a depression lying over the north of Ireland.

Gradients moderate over the North Sea and the north of our Islands, but slight elsewhere.

Barometer falling in most parts of Great Britain as well as in Germany and the Netherlands but rising elsewhere.

TEMPERATURE

Highest, 55° at Garmna and Lubeck, 54° at Bremen, 53° at Harpigny, 50° at Rochefort, and 49° at Valencia Island, Sully, and Brest.

Lowest, 21° at Hornsund, 23° at Haparanda, 29° at Stockholm, 30° at Rangoon and Tientsin, and 33° at Nisby and Kagen.

During yesterday, the thermometer rose to between 50° and 55° at many of the English and Irish stations.

WIND

Strong from the SE. over the northern parts of the United Kingdom, and from the E. on the eastern shores of the North Sea.

Moderate from the W. in the southern part of our Islands and the west of France, and from the S.W. or S. in the southeast of England.

Light from the N. (N.E. to N.W.) in the south of France; calm in the north of Sweden.

WEATHER

Dull in most parts of our Islands, France, and the Netherlands, and Western Germany, with rain in many places.

Fine in Scandinavia, Denmark, and north Germany, as well as in the extreme south of Ireland.

Rain fell yesterday, in nearly all parts of Ireland, England, and France, the largest amounts being 0.9 in. at Loughborough and 0.6 in. at York.

SEA

Very high off the north and east of Scotland, high on the north and east of Great Britain generally and rather rough at the mouth of the Channel.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

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

DISTRICTS.

FORECASTS.

DISTRICTS.

FORECASTS.

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

NONE ISSUED.

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

WARNINGS

NONE ISSUED.

The SOUTH CONE was hoisted yesterday in districts 0 to 2 and 6.

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 ...	29.19	50	39	ESE	4	bc	2	Holyhead ...	29.48	53	48	SSE	3	og	3
Sumburgh Head ...	29.97	45	39	SE	7	c	7	Valencia ...	29.21	46	44	SSE	5	rm	5
Stornoway ...	29.60	45	42	SE	6	o	6	Seilly ...	29.55	54	51	SW	4	c	4
Aberdeen ...	29.82	41	38	SE	7	cqm	7	Jersey ...	29.67	51	50	SSW	3	r	3
Shields ...	29.71	40	39	ESE	6	r	6	Dungeness ...	29.67	47	47	E	2	f	1
Ardrossan ...	29.57	44	43	ESE	3	o	2	London ...	29.63	54	51	SE	2	op	*
Malin Head ...	29.36	51	47	SE	5	c	2	Yarmouth ...	29.74	43	41	ESE	5	bc	4
Mullaghmore ...	29.33	50	45	SE	5	ogp	3	Rochefort ...	29.89	54	51	WSW	4	o	2
Belmullet ...	29.28	49	48	SSE	4	rw	*								

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

Weather in morning fine and bright over northern, eastern, and central Europe, as well as on the southern side of the Mediterranean, cloudy or overcast in most other places, unsettled and showery over Ireland, England, and the east of Scotland. Rain later over Ireland, England, France, and Western Germany (heavy in many places), also at several stations in southeastern Europe. But weather remaining fine in the north and northeast.

Temperature rising over southeastern, western, and central Europe, as well as the British Islands. Morning readings 60° and more on the Algerian coast, at Palma and Barcelona, exceeding 50° at the Spanish and Portuguese stations, and ranging between 40° and 50° over the British Islands, lower over central, eastern, and northern Europe, and as low as 1° F. at Archangel, 17° at Kuopio, 21° at Olsenburg, 22° at Uleaborg, 27° at Moscow, 28° at Khar'kov, and 29° at Cracow. Rising during day to 50° and more in many parts of England and France, to 60° and more in several parts of southern Europe, and to 70° at C. Ream.

Wind light from between N. and E. over northern Europe, the Baltic, and North Germany; strong to a gale from S. and SE. over the northern part of the United Kingdom; moderate SE. to S. over Ireland and England; W. at Valencia Island, SW. over Spain, the Bay of Biscay, and north of France; NW. in the south of France, E. over northern Italy. Very variable elsewhere. Becoming more generally E. over northern Europe later; no great change elsewhere.

Barometer highest (1) 30.3 ins. and more to 30.0 ins. in a large anticyclone covering northern Europe and the Baltic; (2) 30.2 ins. and more in another covering the Iberian Peninsula and the southern and southwestern shores of the Mediterranean. Lowest 29.4 ins. and less, in a large low-pressure system off the west of Ireland, and about 29.8 ins. both over Corsica and the Black Sea. Depression near Ireland spreading eastwards later in the form of a "V" shaped secondary, which at 6 pm covered 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. 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.

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„ Weekly „ „ „ £1 10 0 „

DAILY WEATHER REPORT.

for MONDAY 6TH APRIL 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 5.)	SHADE TEMP.			
	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.	Amount of Rainfall.	
SCANDINAVIA.	Haparanda ...	30.30	17	2	0	f	30.32	-0.02	18	17	-5	SE	2	f	*	37	16	—
	Hernösand ...	30.35	24	2	0	f	30.37	-0.02	20	19	-1	2	0	f	*	41	12	—
	Stockholm ...	30.35	26	E	2	f	30.33	-0.02	32	29	+3	E	2	f	*	36	21	—
	Wishby ...	30.25	28	E	4	f	30.22	-0.03	33	33	0	ESE	4	bc	*	37	27	—
	Bodö ...	30.26	33	E	1	f	30.22	-0.04	33	30	+1	E	1	f	1	39	27	—
	Christiansund	30.18	38	NW	1	f	30.14	-0.04	35	33	0	ESE	1	m	1	46	30	—
	Skudesnaes ...	30.14	39	ESE	2	f	30.13	-0.01	36	31	-4	ESE	2	f	2	45	28	—
	Christiania Fjord (Færder)	30.26	35	ESE	3	f	30.21	-0.05	38	26	-4	NNE	5	f	2	?	28	—
	Skagen (The Scaw)	30.19	35	S	2	0	30.12	-0.07	31	29	-2	ESE	4	c	3	41	28	—
	Fanö ...	29.99	33	E	7	f	29.93	-0.06	33	30	-1	E	6	c	*	43	30	—
BRITISH ISLANDS.	Sumburgh Head	30.02	39	SE	6	S	30.03	+0.01	39	35	-2	SE	4	0	6	44	36	—
	Stornoway ...	29.73	43	SE	6	C	29.84	+0.11	41	39	+1	SE	6	0	6	45	38	—
	Wick ...	29.88	40	SE	7	0	29.93	+0.05	40	39	-1	SE	6	0	7	44	40	—
	Nairn ...	29.77	41	SE	3	C	29.86	+0.09	40	38	0	ESE	3	0	2	46	37	0.01
	Aberdeen ...	29.84	39	ESE	7	ogg	29.92	+0.08	39	37	-1	ESE	6	ogg	8	42	39	—
	Leith ...	29.68	40	E	3	T	29.77	+0.09	39	30	-1	E	5	T	*	42	37	0.08
	Shields ...	29.62	39	ESE	6	T	29.72	+0.10	40	39	0	E	5	T	7	41	36	0.35
	Spurn Head ...	29.54	42	E	6	omg	29.61	+0.07	42	41	0	ESE	4	f	4	42	40	0.04
	York ...	29.47	42	E	3	T	29.65	+0.18	42	41	+1	E	1	T	*	45	39	0.37
	Loughborough	29.53	40	SW	1	T	29.63	+0.09	44	43	+2	WNW	1	T	*	57	42	0.56
GERMANY & HOLLAND.	Ardrossan ...	29.61	40	ESE	3	T	29.72	+0.11	41	40	-1	ESE	4	om	2	45	38	0.04
	Malin Head ...	29.48	42	SE	6	og	29.69	+0.21	41	40	0	SE	4	og	2	43	40	0.02
	Mullaghmore ...	29.48	47	SW	2	C	29.66	+0.18	42	41	-2	E	4	ogm	3	47	41	0.10
	Belmullet ...	29.48	47	WNW	2	C	29.67	+0.19	45	44	0	ESE	2	0	*	47	40	0.04
	Donaghadee ...	29.53	42	E	6	0	29.69	+0.16	42	41	-1	E	6	0	4	46	41	0.16
	Liverpool (Bidston)	29.51	46	ESE	2	0	29.64	+0.13	42	42	-1	ESE	1	T	2	50	42	0.22
	Holyhead ...	29.49	48	2	0	C	29.63	+0.14	44	44	-3	WNW	1	omg	2	52	44	0.08
	Parsonstown ...	29.51	50	2	0	C	29.66	+0.15	42	41	-3	2	0	C	*	54	37	—
	Valencia ...	29.56	51	WNW	3	bc	29.65	+0.09	47	43	-2	2	0	bc	1	54	37	0.04
	Roche's Point...	29.56	49	W	2	bc	29.64	+0.08	47	45	-1	SE	2	C	4	53	43	0.20
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	29.54	46	SW	4	C	29.65	+0.11	45	45	0	SE	1	f	4	49	43	0.06
	Scilly ...	29.65	50	WNW	5	bc	29.61	+0.10	50	50	+1	ESE	3	bc	5	52	47	—
	Prawle Point ...	29.65	46	WNW	5	bc	29.68	+0.16	40	44	-1	WNW	2	T	1	49	43	0.03
	Jersey (St. Aubin's)	29.72	50	W	5	bc	29.74	+0.10	46	45	-2	SE	4	omg	3	54	43	—
	Hurst Castle ...	29.61	46	WNW	5	T	29.70	+0.09	45	45	-2	W	2	om	4	53	42	—
	Dungeness ...	29.60	46	SW	4	bc	29.69	+0.09	46	45	+1	WNW	4	C	3	48	41	0.05
	London ...	29.57	51	SW	2	C	29.69	+0.12	46	43	-1	SW	2	bc	*	56	40	0.04
	Oxford ...	29.60	46	WNW	3	0	29.67	+0.14	45	43	-2	SW	2	bc	*	57	41	0.04
	Cambridge ...	29.58	51	S	1	p	29.65	+0.07	45	44	-1	SW	1	0	*	53	40	0.12
	Yarmouth ...	29.59	43	S	3	mcg	29.63	+0.04	44	43	+1	SW	2	cdm	4	44	40	0.07
GERMANY & HOLLAND.	Cuxhaven ...	29.86	40	ESE	6	C	29.78	-0.08	37	35	+1	E	6	bc	*	44	34	—
	Berlin ...	29.95	41	ESE	4	f	29.87	-0.08	37	35	0	ESE	3	f	*	48	36	—
	Wiesbaden ...	*	*	*	*	*	29.80	+0.12	45	44	+1	2	0	0	*	57	43	0.43
	Munich ...	29.86	43	SW	4	0	29.91	+0.12	41	40	+4	SW	4	T	*	46	36	0.30
	The Helder ...	29.71	41	ESE	1	T	29.68	+0.03	42	42	+1	SW	1	f	1	43	37	0.20
	Brussels (9 a.m.)	*	*	*	*	*	29.76	+0.07	44	43	-1	SW	5	0	*	53	41	0.08
	Cape Gris Nez	29.64	45	SW	4	bc	29.69	+0.05	44	43	0	WNW	4	f	4	50	41	—
	Paris ...	29.75	49	WNW	3	f	29.85	+0.08	44	44	+1	2	2	f	*	56	42	0.24
	Brest ...	29.81	53	W	3	bc	29.74	+0.07	44	47	-1	WNW	2	f	3	55	43	0.12
	Lorient ...	29.80	50	WNW	3	f	29.73	+0.07	47	46	0	S	2	0	5	52	46	—
FRANCE AND BELGIUM.	Roche fort ...	29.89	52	WNW	5	C	29.84	-0.05	51	50	+1	SW	5	0	*	55	42	—
	Belfort ...	44	W	3	0	0	?	0	47	?	0	W	3	0	*	56	43	0.16
	Lyons ...	29.50	57	S	1	f	29.55	+0.05	48	43	+3	SW	1	C	*	60	45	—
	Nice ...	29.88	50	SW	1	C	29.96	+0.07	48	45	0	E	2	bc	1	57	43	—
	Perpignan ...	29.98	57	SW	3	0	29.99	+0.01	48	46	-5	2	0	0	*	65	43	—
	Biarritz ...	30.03	54	WNW	3	0	29.87	-0.12	51	46	-3	SE	3	0	6	57	46	—
	Corunna ...	† 30.04	*	*	*	*	29.79	-0.25	52	52	-3	SW	3	0	4	59	52	0.24
	Lisbon ...	30.04	57	WNW	3	f	29.99	-0.05	52	51	-3	NNE	1	f	5	64	50	—

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, 6th April, 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

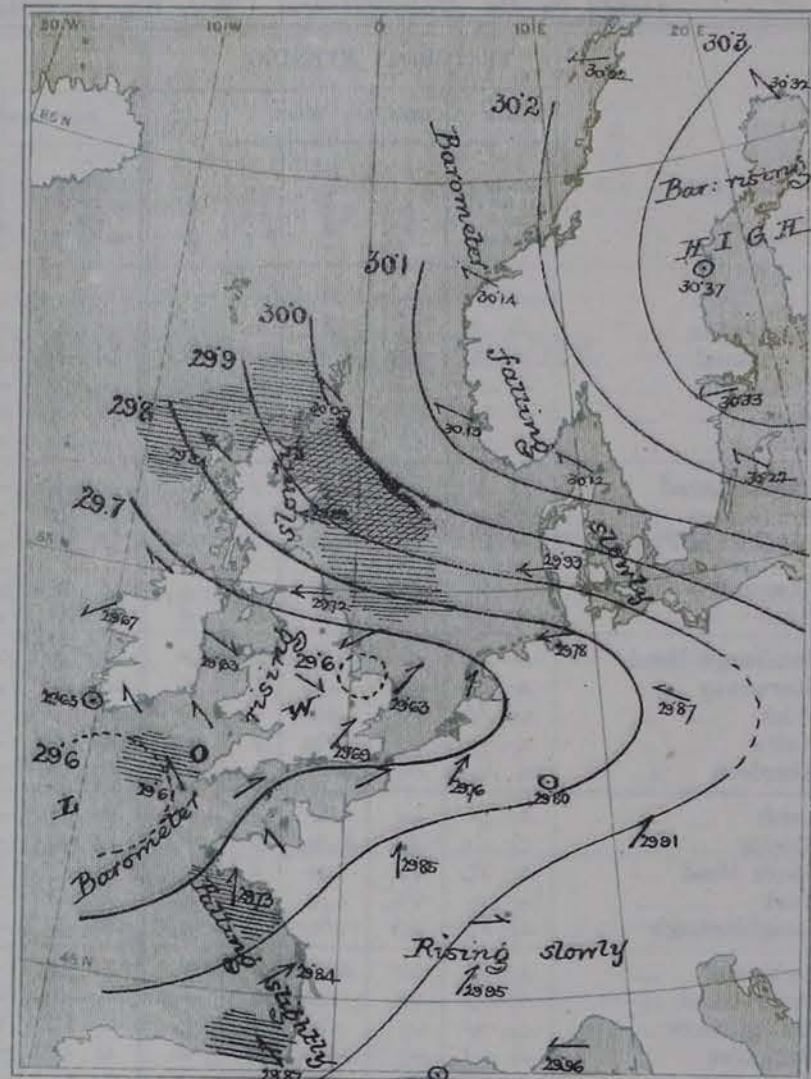
at 8.0 a.m. for the month of April

During the 29 Years: 1871—1890.

STATIONS.

MEAN READINGS.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.840
Stornoway	29.824
Wick	29.818
Nairn	29.818
Aberdeen	29.858
Leith	29.863
Shields	29.866
Spurn Head	29.863
York	29.875
Loughborough	29.879
Ardrossan	29.857
Mullaghmore	29.839
Donaghadee	29.859
Holyhead	29.857
Liverpool	29.867
Parsonstown	29.864
Valencia	29.854
Roche's Point	29.851
Pembroke	29.852
Scilly	29.856
Prawle Point	29.876
Jersey	29.872
Hurst Castle	29.871
Dover	29.864
LONDON	29.878
Oxford	29.884
Cambridge	29.889
Yarmouth	29.872



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.

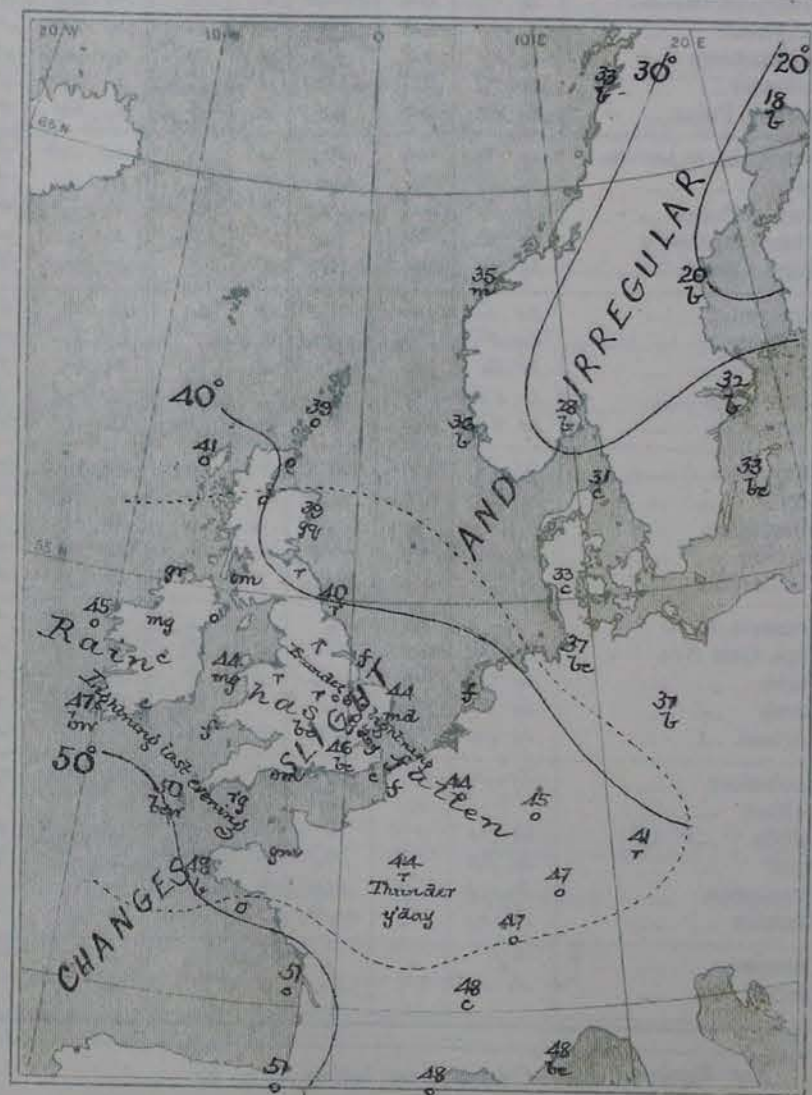
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of April.)

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	at 8 a.m. Dry.	Wet.	
Sumburgh Head	46.0	36.7	41.7	40.2	2.07
Stornoway	48.0	37.2	43.8	42.3	2.65
Wick	48.9	36.9	43.1	41.2	1.63
Nairn	50.0	37.3	42.7	40.4	1.26
Aberdeen	49.3	38.0	43.2	40.7	2.10
Leith	52.0	37.9	44.1	41.7	1.57
Shields	49.0	38.6	43.5	41.4	1.80
Spurn Head	48.4	40.3	44.0	42.3	1.45
York	43.5	37.7	43.8	41.6	1.75
Loughborough	55.1	38.1	44.4	42.1	1.78
Ardrossan	51.5	39.5	44.4	42.1	2.14
Mullaghmore	51.9	42.3	45.3	43.0	2.05
Donaghadee	51.0	40.0	44.6	42.9	1.92
Holyhead	51.4	42.0	45.8	43.8	1.90
Liverpool	52.6	40.4	45.0	42.1	1.55
Parsonstown	51.0	38.0	45.0	42.5	2.01
Valencia	53.9	42.8	48.2	45.6	3.83
Roche's Point	53.7	42.1	46.8	44.5	3.24
Pembroke	50.4	41.9	45.2	43.4	1.94
Scilly	52.1	44.7	48.6	46.6	2.27
Prawle Point	51.0	40.7	46.2	44.6	2.07
Jersey	54.2	43.5	48.5	45.9	2.08
Hurst Castle	52.1	41.0	45.5	43.2	1.83
Dover	51.1	41.5	46.3	44.0	1.77
LONDON	56.0	39.7	46.1	44.2	1.84
Oxford	54.0	38.9	44.4	42.1	1.78
Cambridge	55.8	37.3	45.2	43.0	1.69
Yarmouth	49.1	39.9	44.7	43.0	1.70

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 Sweden; 29.9 in. and upwards over Spain and the south of France.
Lowest, 29.7 in. and less, in a large depression lying over England, Ireland, Holland, and the northwest of France.
Gradients moderate over the North Sea, but slight elsewhere.

TEMPERATURE

Barometer falling a little in Scandinavia and Denmark and also in the west of France, but rising elsewhere.
Highest, 52° at Riom, 51° at Rochefort and vicinity, 50° at Leilly, and 48° at Thiers, Lyons, Nice, and Perpignan.
Lowest, 18° at Haparanda, 20° at Hernösand, 22° at Luleå, 31° at Århus, 32° at Stockholm, and 33° at Riga and Mäby.
During yesterday the thermometer rose to 53° at Cambridge, 50° in London, and 57° at Loughborough and Bedford.

WIND

Strong from the End or SEnd over the northern parts of our Islands and also in Denmark; light or moderate from the same quarters in Scandinavia.
Light or moderate from the Sth in France, from the SEth in our southern coast, and from the SWth over Belgium and the southeast of England.

WEATHER

Cloudy or overcast in nearly all parts of Western Europe, with steady rain over the north of England, as well as at Brussels, Paris, and Munich.
Rain fell yesterday in most parts of the United Kingdom, the largest amounts being 0.6 in. at Loughborough, and 0.4 in. at York.
Thunder occurred yesterday at Loughborough, Cambridge, and Paris, and lightning was seen on our southern coast in the evening.

SEA

Very high at Aberdeen, high on our north and northeast coasts generally, and rather rough in the Bay of Biscay and at the mouth of the Channel.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression which lay over Ireland yesterday is apparently moving away in a southerly direction, but conditions are still favourable for the formation of shallow disturbances over our southern districts, so that the weather will probably remain changeable and unsettled.

FORECASTS

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

DISTRICTS.

FORECASTS.

DISTRICTS.

FORECASTS.

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

Eth and SEth winds, strong; cloudy, some rain.
Eth winds, moderate or fresh; unsettled, rain at times.
SEth to Eth winds, light or moderate; changeable, some showers. Rather colder.

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

Same as No 2
Variable breezes, finally Eth; unsettled rain at times.
SEth and Eth winds, light or moderate; changeable, some showers.
Same as No 0 and 1.
Same as No 8.

WARNINGS

The SOUTH CONE is still flying in districts 0 to 2 and 6.

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 ...	29.14	45	36	SE	4	6	3		Holyhead ...	29.47	51	49	SW	2	2
Sumburgh Head ...									Valencia ...						
Stornoway ...	29.71	44	42	SE	6	0	6		Scilly ...						
Aberdeen ...									Jersey ...	29.68	54	52	W	5	6m 4
Shields ...									Dungeness ...	29.61	48	47	SW	4	bc 3
Ardrossan ...									London ...						*
Malin Head ...	29.48	43	42	SE	6	0	3		Yarmouth ...						
Mullaghmore ...									Rocheport ...	29.81	55	52	W	5	0 *
Belmullet ...	29.46	50	47	W	2	bc	*								

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

Weather in morning fine and bright over northern and central Europe, as well as over Algeria and the southeastern half of Spain; dull over southeastern Europe, with some snow, very dull, unsettled and rainy over the British Islands - except in the extreme north of Scotland and southwest of Ireland. Considerable falls of rain over our north-midland counties later, and also in the west and south of Germany; showers in many other parts of our Islands, and in the north of France; fine bright conditions continuing over Scandinavia, north of Scotland, Denmark, North Germany, and the southern parts of France.

Temperature risen slightly over northwestern Europe. Morning readings exceeding 60° on the Algerian coast, and exceeding 50° at nearly all the Mediterranean and Spanish stations. Exceeding 40° over the United Kingdom and France, lower elsewhere. Lowest 17° at St Petersburg, 21° at Helsingfors, Hangö and Helsingland and below 10° over nearly the whole of northern Europe. Rising during day to between 50° and 54° over England and the greater part of France to 60° at Lyons, 64° at Lisbon, 65° at Perpignan.

Wind (1) Moderate E? over northern Europe, strong over the North Sea, strong to a gale from E. and SE. over the northern parts of our Islands. (2) Moderate to fresh W? and SW? over Spain, the Bay of Biscay, our southwestern and southern coasts, the Channel and north of France, S? over the eastern parts of England. Very variable in direction elsewhere, and of little force. Falling light in Norway later and becoming more variable.

Barometer Highest (1) 30.1 ins. and more to 30.0 ins. over the Iberian peninsula and western and southern parts of the Mediterranean generally. (2) 30.2 ins. and more to 30.0 ins. in another system covering the whole of northern Europe and the Baltic. Lowest 29.4 ins. and less in a depression over the north of Ireland, and 29.5 ins. to 29.7 ins. in a hollow stretching from our western coasts across England and the Netherlands to north Germany; 29.9 ins. and less over the Gulf of Genoa. Irish depression tending to fill up later and beginning to move southwards.

SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD FROM THE 29TH MARCH TO 4TH APRIL

The weather of last week was mostly fair and dry over the southern parts of the United Kingdom, but changeable and unsettled in the west and north with some heavy falls of rain (or snow) in Ireland and Wales.

During the first two days an anticyclone lay to the west and southwest of our Islands while a complex low pressure system travelled in a southeasterly direction across the North Sea to Denmark and Germany. The prevailing winds were therefore NW? - strong in force on many parts of our north and east coasts - and the weather cold and showery with snow or sleet in most districts.

On the 31st the anticyclone in the west moved steadily in an easterly and afterwards in a south-southeasterly direction across our Islands, while a depression began to approach our western coasts. In the meantime a new anticyclonic system appeared over Scandinavia and for the remainder of the week the distribution of pressure over northwestern Europe was therefore SE?. The depression of the 31st ultimately spread in over Ireland and occasioned strong winds or gales from the SE? on many parts of our western, northern and eastern coasts with heavy rain in Ireland and considerable quantities of snow over north Wales.

On the night of the 2nd April another depression approached the southwest of Ireland, and on the 3rd and 4th this moved slowly northward along our extreme west coasts and produced effects very similar to those observed in the former instance. On the night of the 3rd some secondary disturbances advanced over our Islands from the S? and at the close of the week showery weather had set in even at our southern stations.

Temperature was uniformly low for the time of year until quite the close of the week, when a somewhat decided rise set in over our southwestern and southern districts. On the nights of the 30th and 31st March sharp frosts occurred over the inland parts of England, the thermometer on the grass in London falling in each instance as low as 19°.

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 7th April* 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 3 ²⁴ P. and Sea Level.	Dry.	Direc.	Force. (0 to 12.)		Reading at 3 ²⁴ P. 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 ...	30.31	20	SE	2	C	30.32	0.0	23	22	+5	SW	2	C	*	32	10	—
	Hernösand ...	30.37	22	2	0	C	30.36	-0.1	20	20	0	2	0	f	*	41	10	—
	Stockholm ...	30.32	30	E	2	C	30.26	-0.7	31	29	-1	E	2	C	*	39	21	—
	Wisby ...	30.21	33	ESE	4	C	30.16	-0.6	36	33	+3	ESE	4	C	*	39	25	—
	Bodö ...	30.15	36	2	0	C	30.09	-0.7	35	32	+2	E	2	C	1	37	28	—
	Christiansund ...	30.08	35	NNW	2	C	30.10	-0.4	37	33	+2	ESE	2	C	2	43	35	—
	Skudesnaes ...	30.07	36	E	2	C	30.00	-0.7	38	33	+2	NNE	2	0	2	43	32	—
	Christiania Fjord (Fjærd)	30.13	36	E	5	C	30.06	-0.7	35	33	+7	ENE	5	C	2	36	?	—
	Skagen (The Scaw)	30.01	36	E	3	0	29.94	-0.7	36	35	+5	SE	4	0	3	39	30	0.08
	Fanø ...	29.81	36	SE	6	P	29.78	-0.3	39	35	+6	SE	4	C	*	43	32	0.16
BRITISH ISLANDS.	Sumburgh Head	30.05	38	SE	3	C	30.06	+0.3	37	34	-2	NE	1	C	3	40	32	—
	Stornoway ...	29.89	42	SE	5	0	30.01	+0.7	40	37	-1	SE	4	C	4	47	36	—
	Wick ...	29.98	40	SE	5	0	30.05	+0.7	38	37	-2	SE	3	C	5	42	37	0.04
	Nairn ...	29.91	38	ESE	3	0	30.02	+0.1	35	34	-5	ESE	1	0	0	42	32	—
	Aberdeen ...	29.96	37	E	4	0.08	30.03	+0.7	38	33	-1	N	2	C	5	40	35	0.01
	Leith ...	29.87	40	NE	4	0	29.98	+0.2	39	35	0	N	3	0	*	40	36	—
	Shields ...	29.81	38	E	5	P	29.89	+0.7	37	35	-1	N	3	C	6	40	31	0.17
	Spurn Head ...	29.68	40	ENE	4	0.08	29.76	+0.8	40	38	-2	NNE	6	P	4	42	38	0.03
	York ...	29.74	39	ENE	2	m	29.84	+0.9	40	37	-2	NNE	2	0	*	43	35	0.06
	Loughborough	29.68	42	N	3	0	29.78	+0.1	38	38	-6	N	3	0.08	*	46	38	0.08
BRITISH ISLANDS.	Ardrossan ...	29.81	39	ENE	3	Cm	29.99	+0.2	38	36	-3	NE	2	0.08	1	43	35	—
	Malin Head ...	29.81	41	ENE	5	0.08	29.98	+0.2	40	38	-1	SE	3	0	1	42	38	—
	Mullaghmore ...	29.87	45	NE	4	0	29.98	+0.2	41	39	-1	ENE	3	0	2	46	40	—
	Belmullet ...	29.79	46	NNE	2	C	29.99	+0.2	45	43	0	NE	2	0	*	47	42	0.02
	Donaghadee ...	29.76	42	E	4	P	29.97	+0.2	39	36	-3	E	5	C	3	45	39	0.02
	Liverpool (Bidston)	29.70	42	ENE	4	0	29.87	+0.2	38	35	-4	NE	2	0	3	45	37	0.17
	Holyhead ...	29.69	43	ENE	4	0.08	29.89	+0.2	40	38	-4	NE	4	0.08	3	47	39	—
	Parsonstown ...	29.72	45	2	0	0	29.94	+0.2	39	38	-3	2	0	0.08	*	54	38	0.02
	Valencia ...	29.72	50	NNE	3	Cm	29.98	+0.3	45	42	-2	NE	3	C	3	54	43	—
	Roche's Point...	29.68	48	N	2	C	29.91	+0.3	44	42	-3	NE	4	C	4	53	43	0.05
BRITISH ISLANDS.	Pembroke (St. Ann's Hd.)	29.66	48	N	2	C	29.82	+0.2	42	41	-3	NNE	2	0.08	2	46	41	—
	Scilly ...	29.60	53	ENE	4	C	29.80	+0.2	47	46	-3	N	4	0	5	54	45	—
	Prawle Point ...	29.64	46	ENE	2	C	29.76	+0.1	42	41	-3	NNE	3	0.08	2	49	39	—
	Jersey (St. Aubin's)	29.63	49	SE	3	C	29.70	+0.7	46	44	0	NNW	3	0.08	3	56	44	0.05
	Hurst Castle ...	29.66	45	SW	3	0	29.72	+0.6	42	41	-3	NNE	3	C	4	48	40	0.09
	Dungeness ...	29.66	46	W	2	C	29.60	-0.6	45	44	-1	N	4	C	3	50	42	0.04
	London ...	29.65	50	2	2	C	29.69	0.0	41	40	-5	N	2	0.08	*	58	40	—
	Oxford ...	29.67	45	2	0	0	29.74	+0.7	40	39	-5	N	3	0.08	*	57	39	0.18
	Cambridge ...	29.65	46	NW	1	C	29.71	+0.6	41	40	-4	N	2	0	*	56	39	0.14
	Yarmouth ...	29.65	46	SW	1	C	29.67	+0.4	40	40	-4	NNE	4	fz	4	52	38	0.11
GERMANY & HOLLAND.	Cuxhaven ...	29.80	40	SE	3	P	29.77	-0.1	36	35	-1	ESE	3	f	*	41	35	0.12
	Berlin ...	29.89	41	E	4	C	29.81	-0.6	37	37	+2	ESE	3	f	*	52	36	—
	Wiesbaden ...	*	*	*	*	*	29.59	-0.2	44	43	-1	E	3	P	*	52	41	0.43
	Munich ...	29.92	41	2	0	C	29.69	-0.2	38	37	-3	SE	3	0	*	52	34	0.04
	The Helder ...	29.74	42	SW	1	C	29.66	-0.8	40	39	-2	ENE	1	C	2	46	39	0.04
	Brussels (9 a.m.)	*	*	*	*	*	29.52	-0.4	43	43	-1	NE	3	P	*	56	42	0.35
	Cape Gris Nez	29.68	42	2	0	f	29.58	-0.1	42	41	-2	NE	4	P	4	48	39	—
	Paris ...	29.72	48	2	2	P	29.58	-0.2	45	44	+1	SW	1	P	*	57	41	0.39
	Brest ...	29.68	51	2	0	0	29.73	+0.1	47	46	-1	N	2	C	2	58	41	0.08
	Lorient ...	29.65	48	SW	2	C	29.70	+0.3	45	44	-2	N	2	C	4	53	43	0.53
FRANCE AND BELGIUM.	Rochefort ...	29.71	49	NW	3	P	29.71	-0.3	47	46	-4	W	3	P	*	54	37	0.43
	Belfort ...	29.71	48	N	3	P	29.71	-0.3	47	46	-4	W	3	P	*	54	44	0.20
	Lyons ...	29.77	53	2	3	C	29.77	-0.1	48	43	-3	2	1	0	*	61	45	0.16
	Nice ...	29.55	51	SE	2	C	29.86	+0.3	46	45	-2	E	4	P	3	61	45	0.28
	Perpignan ...	29.78	55	NE	3	C	29.84	+0.6	51	47	+3	W	2	0	*	63	48	—
	Biarritz ...	29.81	54	NNW	7	P	29.85	+0.4	53	53	+2	W	7	0	5	72	48	0.16
	Coruna ...	*	*	*	*	*	30.02	+0.3	57	47	-1	NNE	4	C	5	63	50	—
	Lisbon ...	29.96	56	NNW	4	C	30.02	+0.6	57	47	-1	NNE	4	C	5	63	50	—
	Porto ...	29.96	56	NNW	4	C	30.02	+0.6	57	47	-1	NNE	4	C	5	63	50	—
	Madrid ...	29.96	56	NNW	4	C	30.02	+0.6	57	47	-1	NNE	4	C	5	63	50	—

For Explanation of Columns, see bottom of p. 2.

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

WEATHER CHARTS

for 8 a.m. on Tuesday, 7th April, 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.

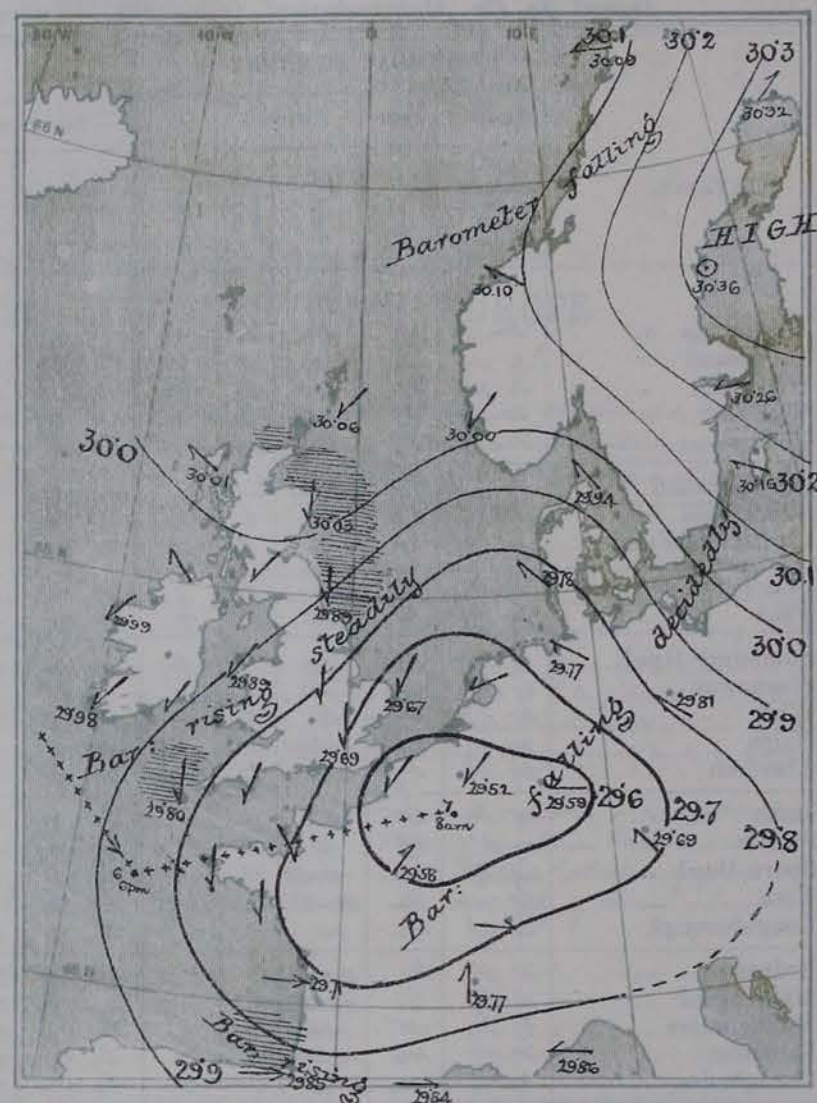
SEA DISTURBANCE—Where considerable, is shown thus:

⊞ = Rough. ⊞ = High.

MEAN HEIGHT OF THE BAROMETER

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

STATIONS.	MEAN READINGS.
Sunbury Head	29.840
Stornoway	29.824
Wick	29.848
Nairn	29.848
Aberdeen	29.858
Leith	29.863
Shields	29.860
Spurn Head	29.863
York	29.875
Loughborough	29.879
Ardrossan	29.857
Mullaghmore	29.839
Donaghadee	29.859
Holyhead	29.857
Liverpool	29.807
Parsonstown	29.864
Valencia	29.851
Roche's Point	29.851
Pembroke	29.852
Silly	29.856
Prawle Point	29.876
Jersey	29.872
Hurst Castle	29.871
Dover	29.801
LONDON	29.878
Oxford	29.884
Cambridge	29.880
Yarmouth	29.872



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.

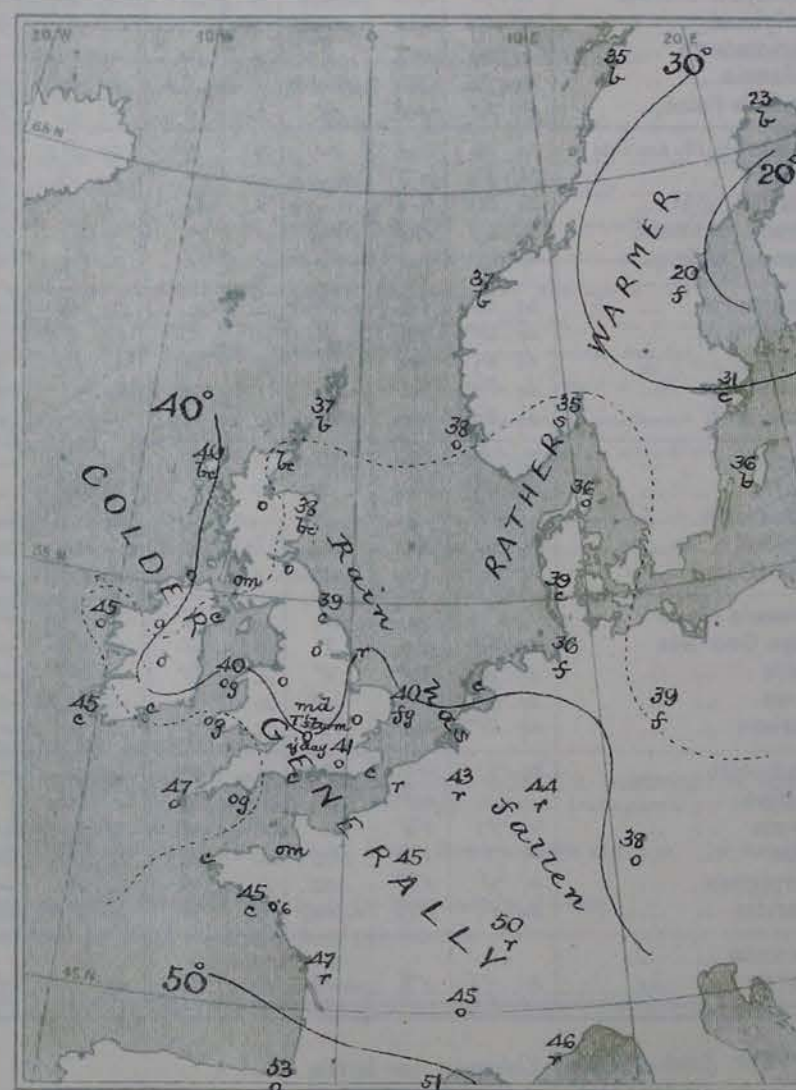
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of April.)

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.	at 8 a.m.	
			Dry.	Wet.	
Sunbury Head	48.0	38.7	41.7	40.2	2.07
Stornoway	48.9	37.2	43.8	42.3	2.85
Wick	48.9	36.9	43.1	41.2	1.03
Nairn	50.9	37.3	42.7	39.4	1.26
Aberdeen	49.3	38.0	43.2	40.7	2.16
Leith	52.0	37.9	44.1	41.7	1.57
Shields	49.0	38.6	43.5	41.4	1.80
Spurn Head	48.4	40.3	44.0	42.3	1.45
York	43.5	37.7	43.8	41.0	1.75
Loughborough	55.1	38.1	44.4	42.1	1.78
Ardrossan	54.5	39.5	44.4	42.1	2.14
Mullaghmore	51.9	42.3	45.3	43.0	2.05
Donaghadee	51.0	40.0	44.6	42.9	1.92
Holyhead	51.4	42.0	45.8	43.8	1.90
Liverpool	52.6	40.4	45.0	42.1	1.65
Parsonstown	54.6	38.0	45.0	42.5	2.04
Valencia	53.9	42.8	48.2	45.6	3.83
Roche's Point	53.7	42.1	46.8	44.6	3.24
Pembroke	50.4	41.9	45.2	43.4	1.94
Silly	52.1	44.7	48.6	46.0	2.27
Prawle Point	51.9	40.7	46.2	44.6	2.07
Jersey	54.2	43.5	48.5	45.9	2.08
Hurst Castle	52.1	41.0	45.5	44.2	1.83
Dover	51.1	41.5	45.3	44.0	1.77
LONDON	56.0	39.7	46.1	44.2	1.84
Oxford	54.0	38.9	44.4	42.1	1.78
Cambridge	55.8	37.3	45.2	43.0	1.69
Yarmouth	49.1	39.9	44.7	43.0	1.70

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. to 30.0 in. over Scandinavia and the north of Scotland; 30.0 in. and more to 29.9 in. over the Spanish Peninsula.
Lowest, 29.6 in. and less in a depression over Belgium.

Gradient moderate to slight.

Barometer rising over England and Ireland, but inclined to fall decidedly over the northern part of Scandinavia.

TEMPERATURE

Highest, 53° at Biarritz, 51° at Liverpool and Lisbon, 47° at Dublin, 46° at Valencia Island.

Lowest, 20° to 22° in the north of Sweden, 35° at Bodo and at Narvik, 38° at Aberdeen, 39° at Donaghadee and 41° in London.

At Paris it is 45°. It has fallen decidedly all over our islands since the previous morning.

WIND

Light or moderate very generally; SE³ in North Germany and Denmark, as well as in the north of Scotland, NE¹ over Ireland, N² over England and the Channel, W¹ in the southwest of France.

A W¹ gale is reported at Biarritz.

WEATHER

Fine and bright over the northern part of Scandinavia; fair over Ireland and the greater part of Scotland; dull and gloomy over England, with rain in places; dull and very rainy over France; foggy at Berlin and Yarmouth. Considerable rain has fallen at several French stations. A thunderstorm occurred at Oxford yesterday afternoon.

SEA

Rough on our East coasts (and also at Biarritz and Lisbon) moderate in the Channel, but has gone down quickly on the Scotch coast.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

A very cold night (for time of year) seems probable for England tonight, and brighter weather tomorrow than now prevailing.

FORECASTS

For the 24 hours ending at NOON on 8th APRIL 1891.

DISTRICTS.

FORECASTS.

DISTRICTS.

FORECASTS.

0 SCOTLAND
NORTH

Wind shifting to SW²; fair generally, becoming milder.

1 SCOTLAND
EAST

Varying airs; slight showers then finer.

2 ENGLAND
N.E.

3 ENGLAND
EAST

4 MIDLAND
COUNTIES

5 ENGLAND
SOUTH

N² breezes; cold, dull, some rain. Probably clearing later.

6 SCOTLAND
WEST

Same as No 1.

7 ENGLAND
N.W.

8 ENGLAND
S.W.

9 IRELAND
NORTH

10 IRELAND
SOUTH

N² to NW² winds; dull and cold to fair.

Same as No 1.

Same as No 7 and 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 ...	30.11	43	33	ESE	4	b	2	Holyhead ...	29.68	47	45	WNW	1	omg	2
Sumburgh Head ...	30.04	40	39	SE	4	o	6	Valencia ...	29.69	53	48	WNW	3	b-c	2
Stornoway ...	29.87	47	43	SE	6	c	6	Scilly ...	29.61	53	52	ESE	4	c	5
Aberdeen ...	29.95	39	35	ESE	5	og 2	7	Jersey ...	29.69	50	52	SSE	3	b-c	3
Shields ...	29.78	39	38	E	5	7.	7	Dungeness ...	29.71	45	44	WNW	3	f	2
Ardrossan ...	29.77	43	41	ESE	4	om	2	London ...	29.67	57	51	S	3	c	8
Malin Head ...	29.74	41	40	ESE	5	o	2	Yarmouth ...	29.64	50	48	WNW	3	c-f	4
Mullaghmore ...	29.74	46	44	NNE	2	om	1	Rochefort ...	29.79	51	49	SW	5	o	?
Belmullet ...	29.74	47	45	NE	2	o	*								

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

Weather dull and unsettled over the greater part of our Islands and the Continent, with steady rain over the north of England as well as at some of the French, German, and Italian stations, and snow at Copenhagen and Kiev. Fine over Scandinavia and the northern parts of Russia and Germany, as well as in Algeria. Heavy rain falling during day in the west of France; thunderstorm occurring at Oxford in afternoon.

Temperatures highest 66° at Algiers, 62° at Nemours, 61° at Oran, and 60° at Palermo, La Celle and Tunis; above 50° at nearly all the Mediterranean stations as well as on the coasts of the Spanish Peninsula. Lowest 18° at Haparanda, 20° at Helsingfors, 23° at Archangel and Moscow, and 24° at Kuopio; below the freezing point in nearly all parts of Northern Europe and below 40° on the northeast coasts of Great Britain. Daily maxima below 45° at most of our northern stations, but thermometer exceeding 55° over the southern parts of England.

Wind strong from the E^{ad} or SE^{ad} over the northern parts of our Islands and also in Denmark; light or moderate from the same quarters over Scandinavia, the Baltic and North Germany. Light or moderate from the SW^{ad} in France, from the SE^{ad} on our own southwest coasts, and from the SW^{ad} over Belgium and the southeast of England. Light and variable over Russia the greater part of Southern Europe, the Mediterranean and Algeria. Subsequently shifting to the NE^{ad} on our southwest coasts, and to the W^{ad} or NW^{ad} in the west of France.

Barometer highest 30.4 ins: and upwards, in a large anticyclone lying over the northern parts of Russia, 30.2 ins: and upwards, over Tunis and Eastern Algeria. Lowest 29.6 ins. to 29.7 ins. in an irregularly formed depression extending from the Atlantic across Ireland, England and the northwest of France; 29.9 ins: and less, in a shallow system lying over the Crimea. Depression over our Islands subsequently moving southwards, and barometer rising in nearly all parts of the United Kingdom.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—Beaufort Scale is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. 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 *Wednesday, 8th April, 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.		Weather.	Sea. (0 to 1.)	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 ...	30.25	19	S	2	b	30.28	-0.04	21	20	-2	SW	2	b	*	32	14	
	Hernösand ...	30.32	24	W	0	b	30.36	-0.04	21	20	+1	W	0	b	*	39	12	
	Stockholm ...	30.24	33	E	2	0	30.30	+0.04	36	34	+5	ESE	2	b	*	39	27	
	Wishby ...	30.15	37	SSE	4	c	30.19	+0.03	38	34	+2	ESE	4	bc	*	43	28	
	Bodö ...	30.11	37	S	2	b	30.15	+0.06	39	34	+4	S	2	0	1	43	32	
	Christiansund	30.13	38	NNW	2	b	30.21	+0.11	36	34	-1	ESE	1	b	1	43	34	
	Skudesnaes ...	30.08	35	NNE	5	0	30.17	+0.11	34	33	-1	N	0	0	2	?	32	
	Christiania Fjord (Færdler)	29.97	38	E	2	0	30.03	+0.09	37	36	+1	E	4	0	3	41	30	
	Skagen (The Scaw)	29.72	40	E	6	0	29.74	-0.04	40	39	+1	E	6	0	*	44	34	0.12
	Fanö ...	29.72	40	E	6	0	29.74	-0.04	40	39	+1	E	6	0	*	44	34	0.12
BRITISH ISLANDS.	Sumburgh Head	30.09	41	NNW	2	b	30.17	+0.11	43	39	+6	W	0	b	2	43	34	
	Stornoway ...	30.12	41	E	3	b	30.20	+0.19	40	37	0	W	0	b	2	44	25	
	Wick ...	30.13	37	NW	1	b	30.19	+0.14	37	36	-1	NW	1	b	2	46	32	
	Nairn ...	30.10	39	E	1	bc	30.19	+0.17	35	34	0	SW	1	bc	1	45	26	
	Aberdeen ...	30.10	39	N	3	bc	30.16	+0.13	41	38	+3	NNE	3	c	4	43	35	0.04
	Leith ...	30.08	44	NE	3	c	30.10	+0.12	40	38	+1	N	1	c	*	46	35	
	Shields ...	30.00	41	N	3	cp	29.96	+0.07	39	38	0	NNE	7	1	7	44	33	0.34
	Spurn Head ...	29.89	40	NNE	6	0	29.83	+0.07	38	37	-2	NW	4	bc	4	43	34	0.01
	York ...	29.95	43	NE	3	bc	29.91	+0.07	34	34	-6	N	1	vsp	*	47	31	0.04
	Loughborough	29.92	41	NNE	4	c	29.94	+0.10	35	33	-3	NW	3	0	*	42	32	0.01
BRITISH ISLANDS.	Ardrossan ...	30.07	42	ENE	2	0	30.15	+0.16	40	36	+2	NW	3	c	2	44	33	
	Malin Head ...	30.06	42	NNE	1	b	30.16	+0.15	41	36	+1	NE	2	b	1	43	38	
	Mullaghmore ...	30.07	45	NE	3	c	30.19	+0.21	40	36	-1	ENE	1	b	1	46	32	
	Belmullet ...	30.09	46	NE	2	bc	30.18	+0.19	43	40	-2	SE	1	0	*	49	40	
	Donaghadee ...	30.06	42	NE	3	c	30.15	+0.18	42	39	+3	NNE	4	b	2	44	38	
	Liverpool (Bidston)	29.97	42	NNE	2	c	30.01	+0.14	39	36	+1	NW	5	0	4	44	35	
	Holyhead ...	30.01	42	NNE	3	b	30.09	+0.20	41	37	+1	N	4	b	4	43	38	0.02
	Parsonstown ...	30.07	42	NE	1	c	30.18	+0.24	34	33	-5	W	0	b	*	46	27	
	Valencia ...	30.06	49	N	2	bcm	30.18	+0.20	43	38	-2	W	0	cm	2	52	33	
	Roche's Point...	30.05	44	NE	4	bc	30.13	+0.22	41	38	-3	N	3	b	3	49	35	0.02
BRITISH ISLANDS.	Pembroke (St. Ann's Hd.)	29.96	43	NNE	3	c	30.08	+0.26	38	36	-4	NNE	2	c	1	47	37	
	Scilly ...	29.93	45	NE	5	0	30.04	+0.24	45	44	-2	NNE	4	0	4	47	44	
	Prawle Point...	29.91	43	NNE	2	0	30.04	+0.28	41	38	-1	NE	3	bc	2	47	36	
	Jersey (St. Aubin's)	29.88	46	NNE	3	ogm	30.00	+0.30	43	39	-3	NE	3	bc	3	47	40	0.01
	Hurst Castle ...	29.86	43	NNE	5	cq	29.99	+0.27	40	37	-2	NNE	3	b	2	44	34	
	Dungeness ...	29.74	45	NNE	5	0	29.89	+0.29	37	35	-8	NNE	3	c	2	49	31	0.01
	London ...	29.83	41	N	4	op	29.92	+0.23	38	35	-3	NW	2	b	*	43	34	
	Oxford ...	29.93	49	NE	3	0	29.97	+0.23	36	34	-4	NE	4	b	*	41	33	
	Cambridge ...	29.85	38	N	3	0	29.89	+0.18	39	37	-2	NW	3	b	*	42	32	0.16
	Yarmouth ...	29.77	40	NNE	5	cq	29.80	+0.13	38	37	-2	NW	4	cqm	4	42	35	0.02
GERMANY & HOLLAND.	Cuxhaven ...	29.66	41	ENE	2	bc	29.63	-0.14	42	41	+6	E	2	b	*	44	36	0.10
	Berlin ...	29.64	51	S	3	r	29.66	-0.15	42	41	+3	SSE	4	0	*	57	39	0.20
	Wiesbaden ...	*	*	*	*	*	29.71	+0.12	43	41	-1	W	3	0	*	54	41	0.12
	Munich ...	29.67	41	SW	4	r	29.75	+0.06	39	38	+1	W	6	0	*	50	37	0.12
	The Helder ...	29.67	39	N	4	r	29.68	+0.02	37	3	-3	NW	3	0	3	45	39	0.20
BELGIUM.	Brussels (S. & L.)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Cape Gris Nez	29.73	42	W	5	0	29.86	+0.28	35	36	-4	N	5	c	5	46	36	
	Paris ...	29.73	46	NNW	3	m	?	?	39	38	-6	N	2	r	*	44	38	0.24
	Brest ...	29.93	49	NW	2	b	30.01	+0.28	42	41	?	NNE	1	0	2	52	39	0.05
	Lorient ...	29.89	48	NW	4	c	29.97	+0.27	43	40	-2	NNE	2	0	4	52	43	
FRANCE AND BELGIUM.	Rochefort ...	29.68	50	NNW	5	b	29.95	+0.24	45	43	-2	?	3	0	*	54	36	0.08
	Belport ...	?	42	W	3	r	?	?	40	?	-10	W	2	c	*	52	34	0.12
	Lyons ...	29.74	49	W	3	c	29.92	+0.15	43	39	-2	NW	3	c	*	59	42	0.04
	Nice ...	29.65	55	NW	5	b	29.67	-0.19	53	42	+7	NNW	2	b	1	57	46	0.32
	Perpignan ...	29.83	58	NW	5	b	29.96	+0.12	50	45	-1	NW	4	b	*	67	46	
	Biarritz ...	29.99	53	NNW	6	0	29.97	+0.12	49	46	-4	WSW	5	r	5	57	46	0.08
	Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
PORTUGAL.	Lisbon ...	29.96	54	NNW	5	b	29.95	-0.07	52	48	+1	N	5	b	3	64	50	

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 Wednesday, 8th April, 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:

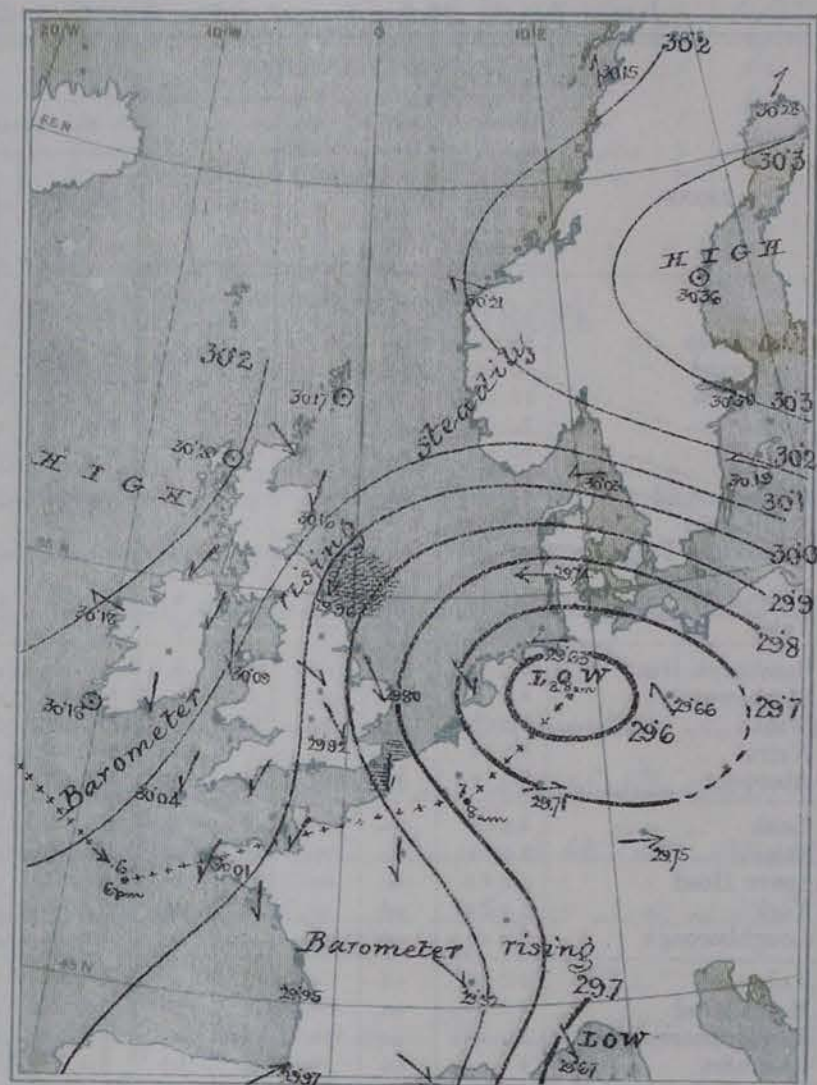
▨ = Rough. ▨ = High.

MEAN HEIGHT OF THE BAROMETER

at 8.0 a.m. for the month of April

During the 20 Years: 1871—1890.

STATIONS.	MEAN READINGS.
	in.
Sumburgh Head	29.840
Stornoway	29.824
Wick	29.848
Nairn	29.848
Aberdeen	29.858
Leith	29.863
Shields	29.860
Spurn Head	29.863
York	29.875
Loughborough	29.879
Ardrossan	29.857
Mullaghmore	29.839
Donaghadee	29.859
Holyhead	29.857
Liverpool	29.867
Parsonstown	29.864
Valencia	29.851
Roche's Point	29.851
Pembroke	29.852
Seilly	29.856
Prawle Point	29.876
Jersey	29.872
Hurst Castle	29.871
Dover	29.864
LONDON	29.878
Oxford	29.884
Cambridge	29.880
Yarmouth	29.872



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.

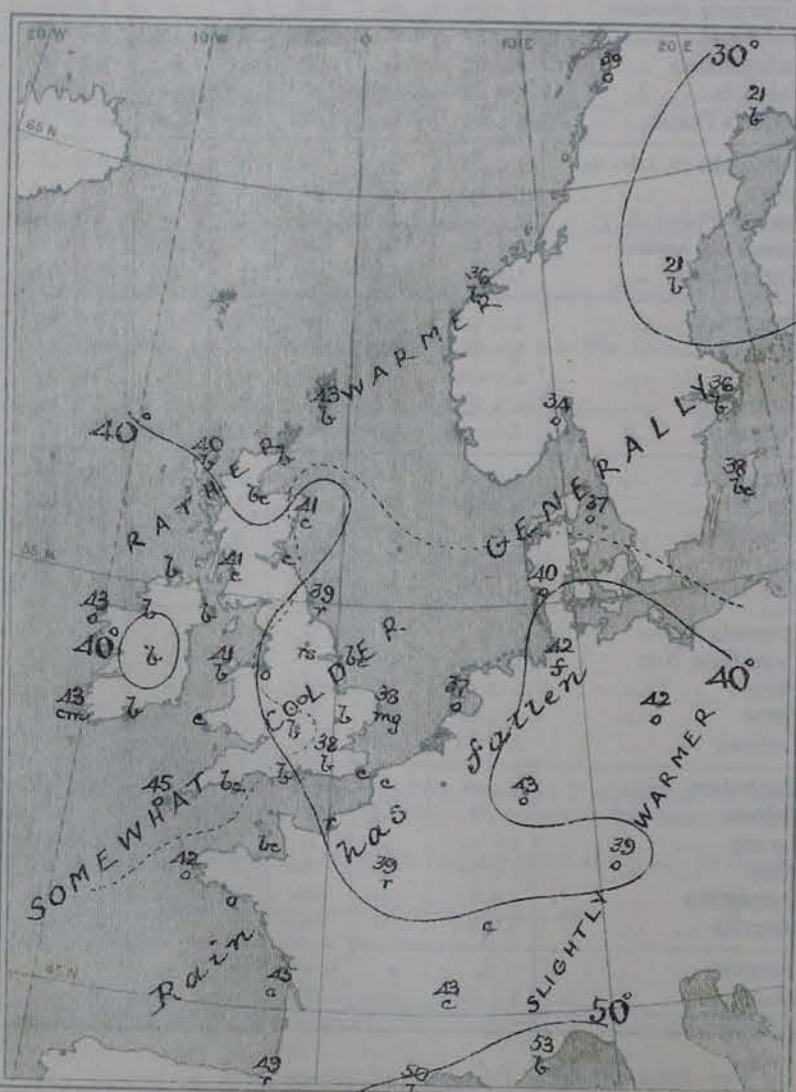
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of April.)

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	At 8 a.m.		
			Dry.	Wet.	
Sumburgh Head.....	46.0	36.7	41.7	40.2	2.07
Stornoway	48.9	37.2	43.8	42.3	2.05
Wick.....	48.6	35.9	43.1	41.2	1.63
Nairn	50.0	37.3	42.7	40.4	1.26
Aberdeen	49.3	38.0	43.2	40.7	2.10
Leith.....	52.0	37.9	44.1	41.7	1.57
Shields	49.0	38.6	43.5	41.4	1.80
Spurn Head.....	48.4	40.3	44.0	42.3	1.45
York	43.5	37.7	43.8	41.6	1.75
Loughborough	55.1	38.1	44.4	42.1	1.78
Ardrossan	51.5	39.5	44.4	42.1	2.14
Mullaghmore	51.9	42.3	45.3	43.0	2.05
Donaghadee.....	51.0	40.0	44.6	42.9	1.92
Holyhead.....	51.4	42.0	45.8	43.8	1.90
Liverpool	52.6	40.4	45.0	42.1	1.65
Parsonstown	51.6	38.0	45.0	42.5	2.04
Valencia	53.9	42.8	48.2	45.6	3.83
Roche's Point	53.7	42.1	46.8	44.5	3.24
Pembroke.....	50.4	41.9	45.2	43.4	1.94
Seilly	52.1	44.7	48.6	46.6	2.27
Prawle Point	51.9	40.7	46.2	44.6	2.07
Jersey	54.2	43.5	48.5	45.9	2.08
Hurst Castle	52.1	41.0	45.5	44.2	1.83
Dover	51.1	41.5	46.3	44.0	1.77
LONDON	55.0	39.7	46.1	44.2	1.84
Oxford	54.0	38.9	44.4	42.1	1.78
Cambridge	55.8	37.3	45.2	43.0	1.69
Yarmouth	49.1	39.9	44.7	43.0	1.70

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 (1) 30.2 ins. to 30.1 ins. over Ireland and Scotland; (2) 30.3 ins. and more to 30.1 ins. over Scandinavia; (3) 29.9 ins. and more over Spain and the western half of France.

Lowest about 29.6 ins. in the depression lying over Hanover.

Gradients are moderate in the east of our Islands, slight elsewhere.

Barometer is still rising in the west and north, and also over France, but is inclined to fall over the North Sea.

TEMPERATURE

Highest 53° at Nice, 52° at Lisbon, 50° at Perpignan, and 43° to 45° on our southwestern coasts.

Lowest 21° at Haparanda and Hernösand, 34° at York, 35° at Loughborough, 36° at Bayford, 37° at Dover, 38° at Farnworth and in London, 39° at Paris.

A sharp frost occurred on the ground over our inland countries early this morning, and at Loughborough there was frost in the shade.

WIND

Strong from E at Faro and from NNE at Shields, moderate from NW over the eastern counties of England, and from N in the Irish and English Channel. Over the southwestern and southern parts of France it is W^{ly} to NW^{ly} and at Munich strong from W.

WEATHER

Stormy and unsettled over our northeastern and extreme eastern stations, with cold rains and sleet in the northeast. In the north and west it was fine and bright, and even in London the sky had cleared during the night. Further falls of rain have occurred in France; Aurora was seen in the northeast of Scotland last night.

SEA

High at Shields, rather rough at Cape Gris Nez, moderate in the Channel and at Holyhead, smooth on our north and northwest coasts.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Squally N^{ly} winds and cold showers are likely to occur over the eastern half of England today, to be followed by a very cold night again.

FORECASTS

For the 24 hours ending at NOON on '9TH APRIL 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; cold, fine morning.
showers.
N^{ly} winds, strong; unsettled, squally, cold.
NW^{ly} breezes, moderate and fresh, slight cold showers, very cold at night.

DISTRICTS.

FORECASTS.

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

N^{ly} winds, moderate; fair as a whole, cold.
Variable airs; fair, cold.

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.		BAR.	D.	W.	D.	F.	WEA.	SEA.		BAR.	D.	W.	D.	F.	WEA.	SEA.			
Skudesnaes ...	29.99	36	35	NNE	2	rs	2	Holyhead ...	29.98	42	38	NNE	3	b	3		Valencia ...	30.04	52	45	NNE	3	bcv	3		Scilly ...	29.89	45	45	NNE	4	m	5	
Sunburgh Head ...	30.08	42	38	NNE	1	b	3		Jersey ...	29.82	46	43	NNE	4	vgm	3		Dungeness ...	29.68	48	45	NNE	5	c	4		London ...	29.77	42	40	N	4	vg	4
Stornoway ...	30.08	44	40	SE	3	0	4		Yarmouth ...	29.72	41	40	NNE	4	vgm	4		Rochefort ...	29.79	52	50	WNW	5	bc	3									
Aberdeen ...	30.06	41	36	NE	4	cg	5																											
Shields ...	29.95	40	38	N	4	q	5																											
Ardrossan ...	30.04	40	40	NNE	2	0	1																											
Malin Head ...	30.07	43	38	E	2	b	1																											
Mullaghmore ...	30.05	42	41	N	1	0	1																											
Belmullet ...	30.05	49	44	NNE	2	0	*																											

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

Weather cloudy or overcast over the greater part of our Islands and the Continent with rain over France, Belgium and western Germany and snow at Faerder. Fine in the northern parts of Scotland and Scandinavia as well as over Finland, East Germany, Algeria and the south of Italy. Sky clearing later in the west of our Islands, but showers falling in the east and southeast and heavy rain at some of the French stations.

Temperature highest 67° to 77° at the Algerian stations, where the Sirocco was blowing; above 50° on the shores of the Mediterranean generally, as well as on the coasts of the Spanish peninsula (60° at Cagliari, 59° at Barcelona, 56° at Malta). Lowest 14° at Archangel, 10° at Herrnsand, 23° at Haparanda and Kuopio, and 25° at Helsingfors; below the freezing point over northern Europe generally, and below 40° in many parts of the United Kingdom. Daily maxima below 50° over nearly the whole of our Islands with frost in many places at night.

Wind moderate from the Eth or SEth over the greater part of northern and central Europe and also in the north of Scotland and from the NEth or Nth over Ireland, England and the north of France. W^{ly} over the central and southern parts of France, S^{ly} in Algeria, strong in force at Nemours, light and variable over Italy and eastern Europe. No important change during day.

Barometer highest 30.5 ins. and upwards in an anticyclone lying over the northern parts of Russia, 30.0 ins. and upwards in a large area extending thence to the north of Scotland, and also in another system lying to the west of the Iberian peninsula. Lowest 29.6 ins. and less in a depression lying over the Netherlands and the northeast of France. Depression subsequently moving north-eastwards and high pressure system advancing over our Islands from the NWth.

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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„ Weekly „ „ „ „ £1 10 0

DAILY WEATHER REPORT.

for *Thursday, 9th April, 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.		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.
SCANDINAVIA.	Haparanda ...	30.32	19	S	2	b	30.32	+0.04	28	28	+7	SW	2	0	*	34	16	
	Hernösand ...	30.37	31	S	2	o	30.37	+0.01	32	32	+11	Z	0	0	*	41	16	
	Stockholm ...	30.38	34	Z	0	o	30.38	+0.08	39	36	+3	SE	2	0	*	41	28	
	Wisby ...	30.25	39	ESE	4	o	30.25	+0.06	38	36	0	SE	5	0	*	43	30	
	Bodö ...	30.19	37	S	1	b	30.12	-0.03	37	31	-2	E	2	0	1	41	32	
	Christiansund	30.22	39	EHE	1	b	30.22	+0.01	39	35	+3	SSW	2	0	1	45	2	
	Skudesnaes ...	30.21	42	Z	0	c	30.30	+0.20	41	38	+1	E	2	0	2	54	34	
	Christiania Fjord (Færdø)	30.26	40	N	5	e	30.28	+0.11	37	33	+3	N	1	0	2	39	34	
	Skagen (The Scaw)	30.17	38	E	3	o	30.20	+0.17	37	36	0	E	3	0	3	43	36	
	Fanö ...	29.96	38	E	6	o	30.02	+0.28	40	39	0	EHE	6	0	*	43	37	
BRITISH ISLANDS.	Sumburgh Head	30.19	44	N	1	b	30.20	+0.03	41	40	-2	SW	1	0	2	48	33	0.01
	Stornoway ...	30.18	45	SE	2	b	30.16	-0.04	42	40	+2	Z	0	0	2	47	27	
	Wick ...	30.23	40	E	1	b	30.23	+0.04	41	39	+4	S	2	0	2	50	35	
	Nairn ...	30.19	42	Z	0	b	30.21	+0.02	36	35	+1	SSW	1	bm	1	49	25	
	Aberdeen ...	30.20	42	NNE	4	cq	30.25	+0.09	42	38	+1	E	2	0	3	47	37	
	Leith ...	30.16	40	NE	2	b	30.20	+0.10	41	39	+1	HE	2	0	*	49	38	0.01
	Shields ...	30.01	39	NNE	6	r	30.15	+0.19	41	37	+2	NNE	4	0	0	43	39	0.13
	Spurn Head ...	29.84	41	NNE	6	r	30.03	+0.20	40	39	+2	NE	4	bm	4	41	37	0.15
	York ...	29.93	40	NNE	3	o	30.10	+0.19	40	38	+6	N	2	0	*	42	33	0.10
	Loughborough	29.92	38	NW	3	r	30.04	+0.10	39	38	+4	NNE	3	odm	*	41	35	0.38
GERMANY & HOLLAND.	Ardrossan ...	30.14	47	N	2	c	30.21	+0.06	41	38	+1	EHE	3	om	2	48	34	
	Malin Head ...	30.19	42	NNE	2	b	30.20	+0.04	40	39	-1	S	2	0	0	43	38	
	Mullaghmore ...	30.18	45	NW	2	b	30.20	+0.01	40	37	0	E	3	cm	2	46	33	
	Belmullet ...	30.20	46	NNE	1	b	30.18	00	41	39	-2	S	1	0	*	48	39	
	Donaghadee ...	30.14	41	NE	3	bc	30.21	+0.06	41	40	-1	NE	3	bc	1	46	40	
	Liverpool (Bidston)	30.02	41	N	3	o	30.12	+0.01	40	37	+1	NNE	2	0	3	43	38	0.04
	Holyhead ...	30.07	44	N	5	c	30.13	+0.04	42	39	+1	NE	4	og	4	45	40	
	Parsonstown ...	30.16	48	NE	1	b	30.19	+0.01	35	34	+1	Z	0	0	*	49	27	
	Valencia ...	30.20	48	N	2	bcm	30.20	+0.02	42	40	-1	Z	0	bm	1	52	34	
	Roche's Point...	30.15	50	N	3	b	30.17	+0.04	42	39	+1	NW	4	0	3	51	38	
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	30.06	42	N	4	c	30.07	-0.01	47	46	+0	NNE	3	og	2	47	37	
	Scilly ...	30.06	44	N	5	c	30.03	-0.01	44	44	-1	N	5	0	4	46	43	
	Prawle Point...	29.98	41	N	3	c	29.99	-0.05	41	40	0	NE	4	og	3	51	38	
	Jersey (St. Aubin's)	29.98	44	NW	4	bm	29.95	-0.05	42	40	-1	NW	3	ogm	3	45	40	
	Hurst Castle ...	29.93	42	NW	5	o	29.95	-0.04	40	40	0	NNE	4	od	2	49	38	0.02
	Dungeness ...	29.85	45	E	2	og	29.91	+0.02	42	39	+5	EHE	1	om	1	47	35	
	London ...	29.89	43	NW	3	o	29.96	+0.04	40	39	+2	EHE	1	ogd	*	47	38	0.04
	Oxford ...	29.93	39	NW	3	o	29.99	+0.02	39	39	+3	NNE	3	0	*	44	36	0.09
	Cambridge ...	29.86	41	N	2	r	29.98	+0.09	40	40	+1	N	2	r	*	49	37	0.07
	Yarmouth ...	29.80	40	NW	3	cm	29.93	+0.13	40	40	+2	EHE	5	ogdm	5	41	37	0.06
PENINSULA.	Cuxhaven ...	29.80	40	E	4	r	29.91	+0.28	41	40	-1	EHE	3	r	*	43	39	0.16
	Berlin ...	29.78	46	ESE	2	r	29.92	+0.26	42	40	0	ESE	4	0	*	50	41	0.12
	Wiesbaden ...	*	*	*	*	*	29.95	+0.24	41	39	-2	NW	1	0	*	48	39	
	Munich ...	29.86	37	NW	4	bc	29.91	+0.16	35	35	-4	EHE	2	0	*	45	34	0.04
	The Helder ...	29.82	40	NW	1	r	29.94	+0.26	40	40	+3	SW	1	0	1	41	3	0.08
	Brussels (a.m.)	*	*	*	*	*	29.95	+0.11	39	38	+2	SW	2	0	*	44	36	
	Cape Gris Nez	29.86	43	NW	3	o	29.89	+0.03	40	38	+2	E	1	bc	1	45	36	
	Paris ...	29.92	43	NW	2	o	29.96	?	41	37	+2	NE	1	0	*	45	34	
	Brest ...	30.06	45	N	3	bc	29.94	-0.07	42	40	0	N	2	r	2	48	37	
	Lorient ...	29.98	44	N	4	o	29.97	-0.00	40	38	-3	NW	2	0	2	50	39	
PENINSULA.	Rochefort ...	29.92	50	NW	4	o	29.94	-0.01	37	37	-8	NNE	4	b	*	55	30	
	Belfort ...	?	39	N	2	bc	?	?	37	30	-3	NNE	3	b	*	53	37	
	Lyons ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
	Nice ...	29.70	52	SSW	4	b	29.76	+0.09	49	43	-4	SE	5	bc	1	61	43	
	Perpignan ...	29.86	50	N	1	bc	29.83	-0.13	42	45	-2	SW	2	r	*	63	46	0.08
	Biarritz ...	29.95	52	NW	2	b	29.88	-0.09	44	43	-5	NE	5	r	3	55	41	0.51

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 Thursday, 9th April, 1891.

BAROMETER, WIND AND SEA.

EXPLANATION OF MAP

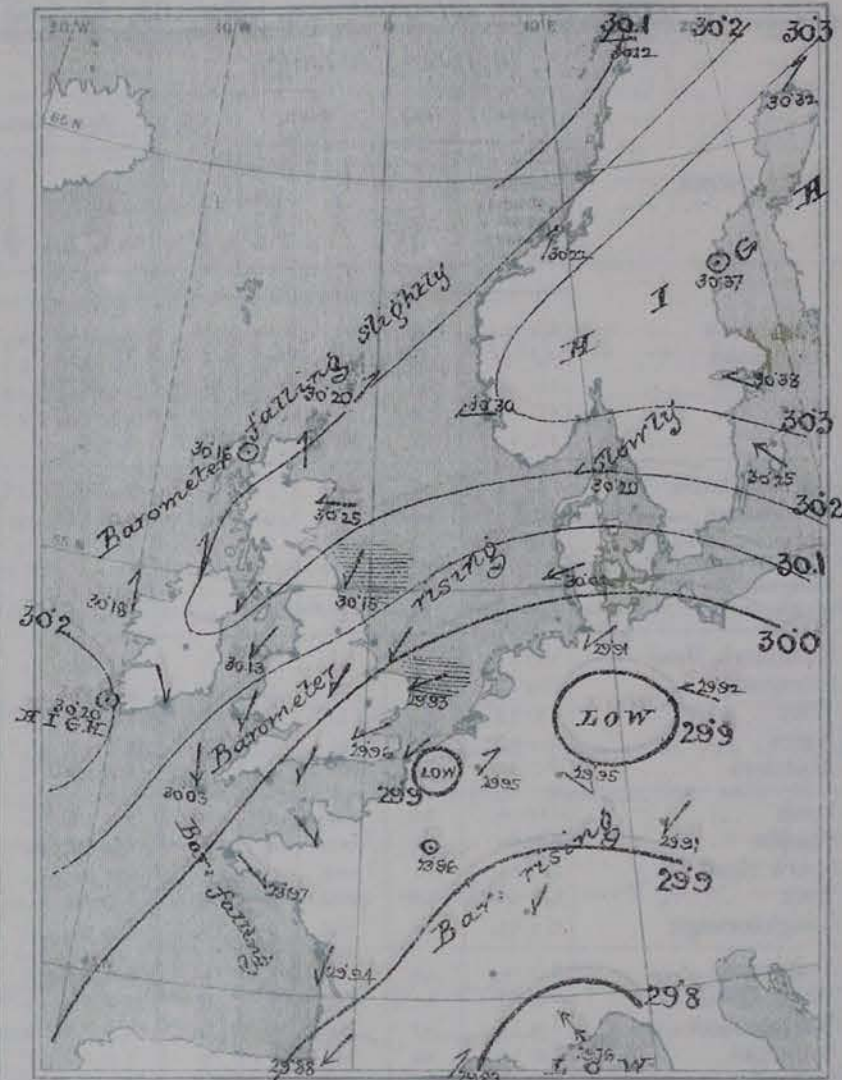
BAROMETER—Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.
WIND—Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force thus—
 — forces above 10: — forces 8 to 10.
 — forces 5 to 7: — forces 1 to 4.
 — dead calm.

SEA DISTURBANCE—Where considerable, is shown thus:
 — Rough. — High.

MEAN HEIGHT OF THE BAROMETER

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

STATIONS.	MEAN READINGS.
Sumburgh Head	29.840
Stornoway	29.824
Wick	29.818
Nairn	29.818
Aberdeen	29.858
Leith	29.863
Shields	29.866
Spurn Head	29.863
York	29.875
Loughborough	29.879
Ardrrossan	29.857
Mullaghmore	29.839
Donaghadee	29.859
Holyhead	29.857
Liverpool	29.867
Parsonstown	29.864
Valencia	29.854
Roche's Point	29.851
Pembroke	29.852
Sally	29.836
Prawle Point	29.876
Jersey	29.872
Hurst Castle	29.871
Dover	29.864
LONDON	29.878
Oxford	29.884
Cambridge	29.889
Yarmouth	29.872



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.

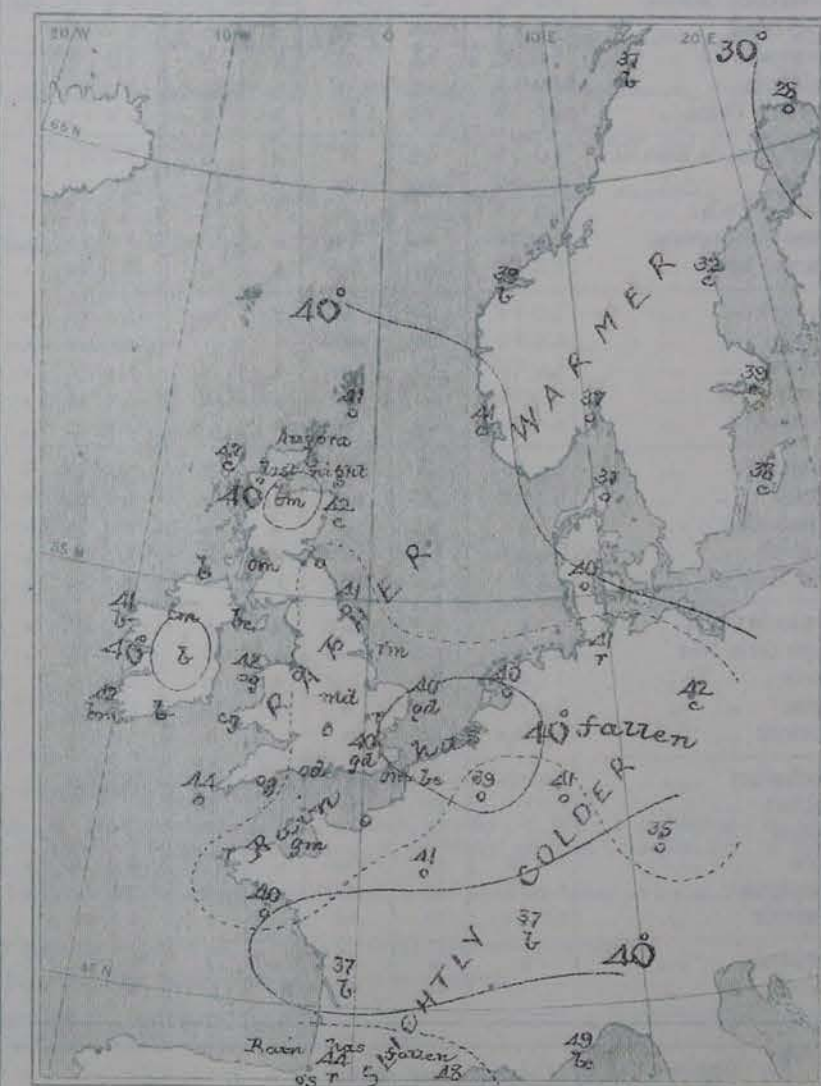
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of April.)

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	41 S.A.M.	41 W.E.	
Sumburgh Head	40.0	36.7	41.7	40.2	2.07
Stornoway	40.0	37.2	43.8	42.3	2.65
Wick	40.0	36.9	43.1	41.2	1.63
Nairn	40.0	37.3	42.7	40.4	1.26
Aberdeen	40.3	38.0	43.2	40.7	2.16
Leith	42.0	37.9	44.1	41.7	1.57
Shields	40.0	38.6	43.5	41.4	1.86
Spurn Head	40.4	40.3	44.0	42.3	1.45
York	43.5	37.7	43.8	41.6	1.75
Loughborough	55.1	38.1	44.4	42.1	1.78
Ardrrossan	51.5	39.5	44.4	42.1	2.14
Mullaghmore	51.9	42.3	45.3	43.0	2.65
Donaghadee	51.0	40.0	44.6	42.9	1.92
Holyhead	51.4	42.0	45.8	43.8	1.00
Liverpool	52.0	40.4	45.0	42.1	1.55
Parsonstown	54.0	38.0	45.0	42.5	2.04
Valencia	53.9	42.8	48.2	45.6	3.83
Roche's Point	53.7	42.1	46.8	44.6	3.24
Pembroke	50.4	41.0	45.2	43.4	1.94
Sally	52.1	44.7	48.6	46.6	2.27
Prawle Point	51.9	40.7	46.2	44.6	2.07
Jersey	53.2	43.5	48.5	45.9	2.08
Hurst Castle	52.1	41.0	45.6	44.2	1.83
Dover	51.1	41.5	45.3	44.0	1.77
LONDON	56.0	39.7	46.1	43.2	1.84
Oxford	54.0	38.9	44.4	42.1	1.78
Cambridge	55.8	37.3	45.2	43.0	1.89
Yarmouth	49.1	39.9	44.7	43.0	1.70

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. and more to 30.1 ins. over Scandinavia, and within a few hundred miles of an inch of 30.2 ins. over Scotland and Ireland.

Lowest 29.8 ins. and less in the south of France; 29.9 ins. and less over Hanover and near Cape Gris Nez. Gradients moderate to slight. Barometer beginning to fall a little over our extreme northwest coasts, rising in the southeast; it was falling in the west of France.

TEMPERATURE

Highest 50° at Lisbon, 44° at Biarritz and Scilly, 42° at Valencia Island, Aberdeen & Berlin, 41° in London. Lowest (1) 28° at Haparanda, 32° at Helsingfors, 34° at Trondheim and the Scaw; (2) 35° at Munich, 38° at Lyons, (3) 35° at Barmen.

Sharp frost occurred in some parts of Scotland early this morning, and on the ground at some Irish stations.

WIND

Moderate from the NE^W over the North Sea and England, and from NW^W in St. Georges Channel and over the Bay of Biscay; very variable elsewhere, and calm in some parts of Ireland and Scotland. The gale at Shields subsided yesterday afternoon.

WEATHER

Fine generally in Ireland, Scotland and the west of France; dull and gloomy over England, with rain over the southeastern half of the country; the fall at Loughborough has been considerable, and half an inch has fallen at Biarritz. Aurora was again seen in the northeast of Scotland last night.

SEA

Still rather rough on our northeast and east coasts, slight in most other places, but moderate at Holyhead, Scilly and Lisbon.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The rain over England will probably continue during a good deal of day, but finer conditions seem probable for tomorrow, with sharp cold in early morning.

FORECASTS

For the 24 hours ending at NOON on 10TH APRIL 1891.

DISTRICTS.

FORECASTS.

0	SCOTLAND NORTH	SW ² winds, light to fresh; fair to showery.
1	SCOTLAND EAST	Wind shifting to SW, fine, warmer.
2	ENGLAND N.E.	Same as N ^o 4.
3	ENGLAND EAST	Same as N ^o 5.
4	MIDLAND COUNTIES	NE ² winds, moderate or light; dull to fair.
5	ENGLAND SOUTH	NE ² winds, moderate; rainy to fair & cold.

DISTRICTS.

FORECASTS.

6	SCOTLAND WEST	Same as N ^o 0.
7	ENGLAND N.W.	Same as N ^o 4.
8	ENGLAND S.W.	Same as N ^o 5.
9	IRELAND NORTH	Varying breezes, finally S ² ; fair as a whole, but showery in the west, milder.
10	IRELAND SOUTH	
WARNINGS		None Issued

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.	N.	D.	F.					D.	W.	D.	F.		
Skudesnes ...	30.13	54	43	E	2	bc	2	Holyhead ...	30.07	44	40	NNE	5	og	4
Sumburgh Head ...	30.19	45	42	Z	0	b	2	Valencia ...	30.20	50	44	NW	2	bm	2
Stornoway ...	30.20	47	41	SE	2	b	2	Scilly ...	30.06	46	46	N	4	c	4
Aberdeen ...	30.17	45	40	NE	5	bcg	5	Jersey ...	30.02	44	38	NW	3	bc	3
Shields ...	30.01	40	38	NNE	4	f	1	Dungeness ...	29.86	45	40	NW	3	og	2
Ardrossan ...	30.14	47	43	N	2	o	1	London ...	29.90	46	40	NW	3	c	x
Malin Head ...	30.17	43	38	NNE	2	b	2	Yarmouth ...	29.79	41	40	NW	4	st	3
Mullaghmore ...	30.19	45	40	NW	2	b	2	Rocheport ...	29.95	53	49	NW	3	b	x
Belmullet ...	30.19	40	44	N	1	c	x								

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

Weather in morning fine and bright over northern Europe the northern and western parts of the British Islands, Portugal and at some of the Mediterranean stations, dull and unsettled as a whole elsewhere. Snow falling at Kiev, sleet in the northeast of England, rain in several parts of France, Austria and south Germany. Rain falling later over all the eastern and southern parts of our Islands, in the North of France and over Germany, and heavy fall locally at Biarritz.

Temperature risen a little over Austria, Poland and many parts of northern Europe, fallen over the greater part of France; morning readings very low for the time of year over the western countries generally. Exceeding 60° on the southern side of the Mediterranean; exceeding 50° at the Italian and Adriatic stations and on the coast of Spain and Portugal; lower elsewhere, and as low as 16° at Archangel, 18° at Kuopio, 21° at Haparanda and Hernösand, 30° at Helsingfors, 32° at Moscow, and 34° to 38° over the inland parts of our own Islands. Rising to 50° or more at Wick, Valencia and Preakle Point later, and to 60° and more in the south of France and at Lisbon.

Wind moderate to strong from the End over the Baltic and North Sea, NE^{ly} to N^{ly} over England, the Channel and Spanish peninsula, chiefly SE^{ly} over eastern Germany, Poland and Hungary. Very variable elsewhere and almost calm over Nth Europe, Scotland and Ireland. A moderate NW gale reported at Toulon.

Barometer highest 30.6 ins. and more to 30.2 ins. in a large anticyclone lying over Russia and spreading in the form of a ridge across Finland, Sweden and Norway; 30.2 ins. and more in another system lying to the NWrd of our Islands; and exceeding 30.0 ins. in the NW of Spain. Lowest 29.7 ins. and less in a depression of very irregular form stretching from Holland across Wth Germany, S. Germany and Austria to Switzerland, Nth Italy and the Riviera; a well marked minimum lying over Holland. The last named disturbance tending to fill up later, but another one forming over the northeast of France.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

		YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
		BAROM.	TEMP.	WIND.			BAROMETER.		SHADE TEMP.			WIND.			SHADE TEMP.				
STATIONS.		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 6.)	Max.	Min.	Amount of Rainfall.	
SCANDINAVIA.	Haparanda ...	30.18	28	SW	4	b	30.07	-1.25	33	31	+5	SW	6	c	*	36	16		
	Hernösand ...	30.30	33	S	2	b	30.29	-1.08	31	29	-1	Z	0	b	*	41	21		
	Stockholm ...	30.39	33	SE	2	b	30.40	+0.02	41	37	+2	Z	0	0	*	46	30		
	Wisby ...	30.28	33	ESE	4	b	30.28	+0.03	42	38	+4	ESE	4	b	*	46	32		
	Bodö ...	29.98	41	SEW	2	0	30.01	-1.11	37	36	0	N	2	r	1	3	36	0.08	
	Christiansund	30.23	43	SW	6	0	30.26	+0.04	43	37	+4	WSE	6	0	4	45	7		
	Skudesnaes ...	30.32	42	NW	2	b	30.36	+0.06	41	37	0	ESE	2	b	2	3	36		
	Christiania Fjord (Færd)	30.32	39	Z	0	0	30.34	+0.06	36	34	-1	Z	0	b	2	39	34		
	Skagen (The Scaw)	30.29	39	E	1	0	30.33	+0.13	39	37	+2	ESE	1	b	0	45	37		
	Fanö ...	30.20	40	ESE	4	b	30.23	+0.21	39	37	-1	ESE	4	b	*	48	36		
BRITISH ISLANDS.	Sumburgh Head	30.24	42	SW	3	c	30.26	+0.06	41	39	0	S	3	0	3	45	37		
	Stornoway ...	30.16	47	SW	3	b	30.14	-0.02	42	40	0	SW	4	0	4	48	30		
	Wick ...	30.23	40	S	3	b	30.20	-0.03	42	40	+1	S	4	b	3	48	39		
	Nairn ...	30.18	45	Z	0	b	30.17	-0.04	39	37	+3	Z	0	bcm	1	51	26		
	Aberdeen ...	30.27	41	SE	2	b	30.27	+0.02	41	39	-1	SSE	2	0	2	47	38		
	Leith ...	30.24	45	NE	2	0	30.24	+0.04	42	40	+1	NE	1	0	*	45	38		
	Shields ...	30.20	42	NE	3	0	30.24	+0.09	42	41	+1	NW	2	0	4	43	38		
	Spurn Head ...	30.12	41	NE	4	0	30.17	+0.14	42	41	+1	NE	3	0	3	42	39	0.01	
	York ...	30.15	42	N	2	0	30.21	+0.11	43	41	+2	ESE	1	0	*	45	38		
	Loughborough	30.12	40	NE	3	0	30.19	+0.15	40	40	+1	NE	2	0	2	41	39	0.03	
GERMANY & HOLLAND.	Ardrossan ...	30.19	42	ESE	1	cm	30.19	-0.02	45	42	+4	ESE	2	bcm	1	46	35		
	Malin Head ...	30.14	43	SE	4	b	30.10	-0.10	41	39	+1	SSE	3	bcm	1	45	35		
	Mullaghmore ...	30.16	43	ESE	4	0	30.11	-0.09	42	40	+2	ESE	2	cm	2	50	38		
	Belmullet ...	30.15	48	N	2	b	30.05	-0.13	45	43	+4	S	3	0	*	51	40		
	Donaghadee ...	30.20	45	E	3	c	30.20	-0.01	43	41	+2	SE	3	b	1	46	38		
	Liverpool (Bidalon)	30.15	44	ESE	2	c	30.20	+0.08	43	40	+3	E	3	0	3	46	40		
	Holyhead ...	30.15	44	NE	3	b	30.18	+0.05	44	42	+2	E	1	c	2	47	40		
	Parsonstown ...	30.20	43	Z	0	b	30.15	-0.04	41	40	+1	Z	0	0	*	50	32		
	Valencia ...	30.17	49	WSE	2	cm	30.10	-0.10	48	45	+3	SSE	5	0	5	53	41		
	Roche's Point...	30.17	46	SSE	2	b	30.17	0.00	46	44	+4	S	2	0	3	51	41		
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	30.13	45	NE	1	c	30.19	+0.12	43	42	-4	SE	2	g	1	48	40		
	Scilly ...	30.09	45	NNE	4	0	30.14	+0.11	45	42	+1	NE	1	0	3	46	41		
	Prawle Point...	30.07	43	NE	4	0	30.16	+0.17	41	40	0	NE	1	0	0	44	39		
	Jersey (St. Aubin's)	30.02	46	NNE	3	b	30.14	+0.19	43	41	+1	N	1	0	1	48	37	0.02	
	Hurst Castle ...	30.06	43	NNE	3	cm	30.15	+0.20	42	42	+2	NE	2	0	2	43	40	0.02	
	Dungeness ...	30.01	45	NNE	1	c	30.10	+0.19	42	41	0	NNE	2	0	1	50	39		
	London ...	30.07	43	N	3	ogfa	30.15	+0.19	42	40	+2	ESE	1	0	*	44	40	0.06	
	Oxford ...	30.12	40	NE	3	r	30.18	+0.19	40	40	+1	NE	1	0	*	42	39	0.01	
	Cambridge ...	30.09	41	NNE	2	0	30.16	+0.18	43	42	-3	N	1	0	*	44	38	0.03	
	Yarmouth ...	30.03	41	NE	4	ogm	30.12	+0.19	41	40	+1	NE	4	c	4	41	38	0.04	
GERMANY & HOLLAND.	Cuxhaven ...	30.06	44	ESE	3	c	30.15	+0.24	39	37	-2	ESE	3	b	*	45	37		
	Berlin ...	30.03	43	ESE	3	0	30.08	+0.16	41	39	-1	NE	4	0	*	48	39	0.08	
	Wiesbaden ...	*	*	*	*	*	29.99	+0.04	44	41	+3	N	1	0	*	50	37		
	Munich ...	29.96	39	SE	4	b	29.92	+0.01	31	31	-4	E	3	f	*	46	30		
	The Helder ...	30.09	42	NE	1	0	30.14	+0.20	41	40	+1	NE	2	e	3	45	40		
	Brussels (9 a.m.)	*	*	*	*	*	30.07	+0.12	40	40	+1	NNE	1	f	*	49	36		
	Cape Gris Nez	29.99	43	NE	2	c	30.07	+0.18	41	39	+1	NNE	2	0	1	48	37		
	Paris ...	30.00	47	NNE	2	b	30.04	+0.11	38	37	-3	N	2	b	*	51	32		
	Brest ...	30.05	45	N	2	0	30.12	+0.18	43	42	+1	NE	1	0	1	45	39		
	Lorient ...	30.01	44	Z	0	0	30.13	+0.16	39	37	-1	NE	2	b	1	45	37		
FRANCE AND BELGIUM.	Rochefort ...	29.96	48	NNE	4	0	30.05	+0.11	45	41	+8	NNE	4	0	*	52	36		
	Belfort ...	29.99	39	SE	3	b	?	?	39	?	+2	NNE	4	b	*	52	32		
	Lyons ...	29.85	48	N	5	b	29.86	-0.13	41	37	-4	NW	5	0	*	53	40		
	Nice ...	29.76	50	E	4	0	29.83	-0.13	50	42	+1	W	3	0	3	61	48		
	Perpignan ...	29.80	49	NW	4	r	29.84	+0.01	45	40	-5	NW	6	0	*	58	40	0.20	
	Biarritz ...	29.99	48	N	4	0	30.06	+0.18	43	40	-1	E	3	r	2	52	41	0.16	
	Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
	Lisbon ...	30.13	51	NW	6	b	30.22	+0.21	49	45	-1	NNE	3	c	3	57	46		

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 Friday, 10th April, 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

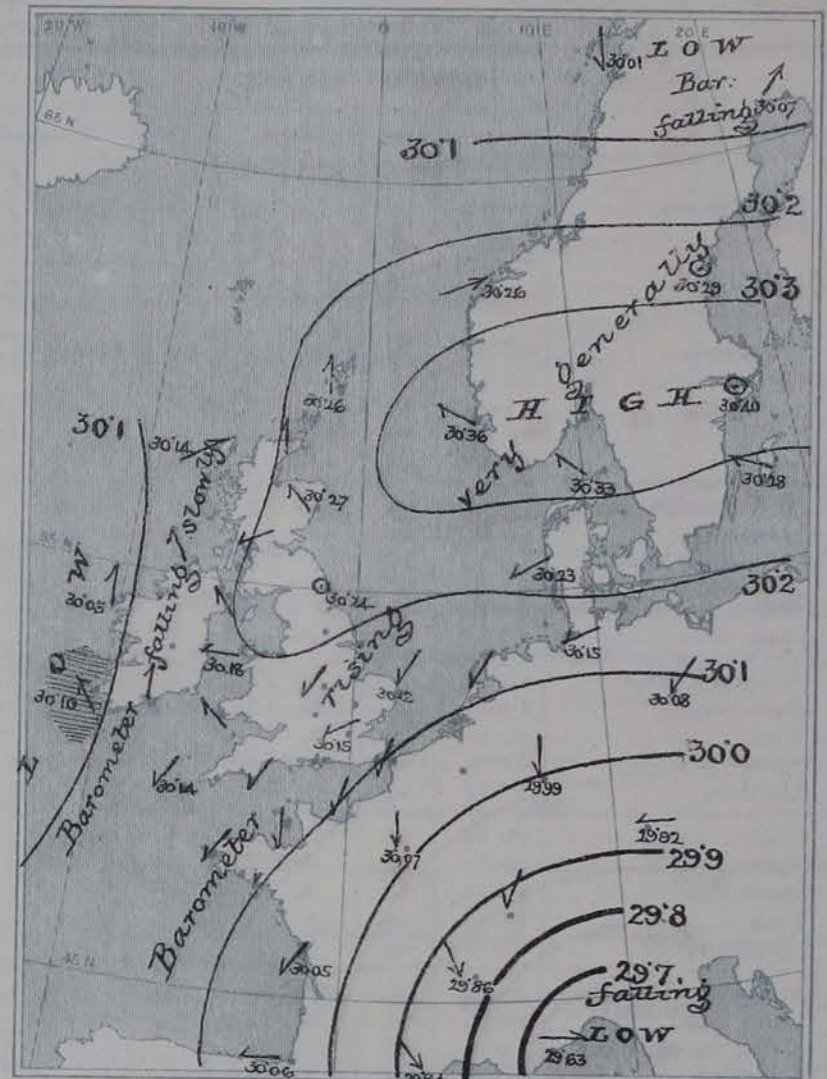
at 8.0 a.m. for the month of April.

During the 20 Years: 1871—1890.

STATIONS:

MEAN READINGS.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.840
Stornoway	29.824
Wick	29.818
Nairn	29.818
Aberdeen	29.858
Leith	29.863
Shields	29.866
Spurn Head	29.863
York	29.875
Loughborough	29.879
Ardrossan	29.857
Mullaghmore	29.830
Donaghadee	29.859
Holyhead	29.857
Liverpool	29.867
Parsonstown	29.804
Valencia	29.854
Roche's Point	29.851
Pembroke	29.852
Seilly	29.856
Prawle Point	29.876
Jersey	29.872
Hurst Castle	29.871
Dover	29.804
LONDON	29.878
Oxford	29.884
Cambridge	29.880
Yarmouth	29.872



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.

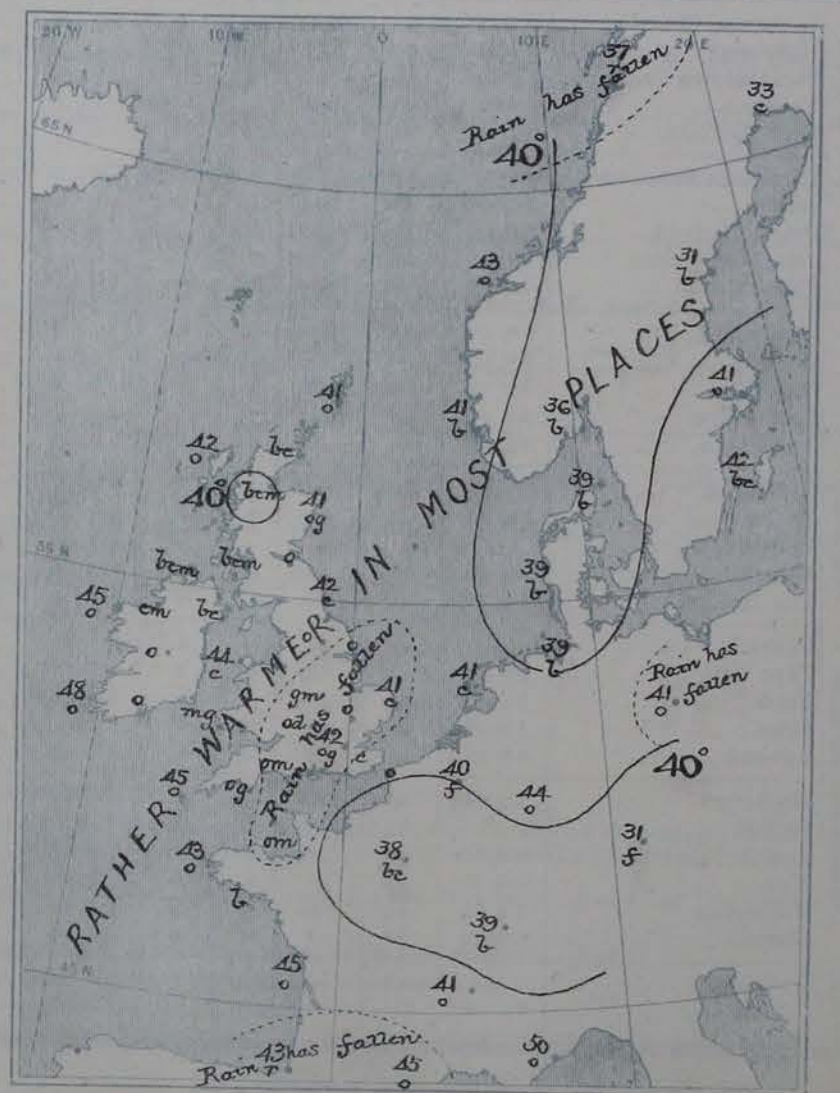
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of April.)

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.	at 4 p.m.	
Sumburgh Head	46.0	36.7	41.7	40.2	2.07
Stornoway	48.9	37.2	43.8	42.3	2.65
Wick	48.9	36.9	43.1	41.2	1.08
Nairn	50.9	37.3	42.7	40.4	1.26
Aberdeen	49.3	38.0	43.2	40.7	2.16
Leith	52.0	37.9	41.1	41.7	1.57
Shields	49.0	38.6	43.5	41.4	1.80
Spurn Head	48.4	40.3	44.0	42.3	1.45
York	48.5	37.7	43.8	41.6	1.75
Loughborough	55.1	38.1	44.4	42.1	1.78
Ardrossan	51.5	39.5	44.4	42.1	2.14
Mullaghmore	51.9	42.3	45.3	43.0	2.05
Donaghadee	51.0	40.0	44.6	42.9	1.92
Holyhead	51.4	42.0	45.8	43.8	1.90
Liverpool	52.6	40.4	45.0	42.1	1.55
Parsonstown	51.6	38.0	45.0	42.5	2.01
Valencia	53.9	42.8	48.2	45.6	3.83
Roche's Point	53.7	42.1	46.8	44.5	3.24
Pembroke	50.4	41.0	45.2	43.4	1.94
Seilly	52.1	44.7	48.0	46.6	2.27
Prawle Point	51.0	40.7	46.2	44.6	2.07
Jersey	54.2	43.5	48.5	45.9	2.08
Hurst Castle	52.1	41.0	45.5	44.2	1.83
Dover	51.1	41.5	45.3	44.0	1.77
LONDON	55.0	39.7	46.1	44.2	1.81
Oxford	51.0	38.9	44.4	42.1	1.78
Cambridge	55.8	37.3	45.2	43.0	1.69
Yarmouth	49.1	39.0	44.7	43.0	1.70

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. to 30.2 ins. in an anticyclone over the southern part of Scandinavia and the northeast of our Islands; 30.2 ins. and more over the southwestern part of the Spanish Peninsula; and exceeding 30.1 ins. in almost all portions of the United Kingdom.
Lowest, 29.7 and less, over the Riviera and Gulf of Genoa, and below 30.1 ins. off the west of Ireland.

Gradients moderate in the extreme north and south, slight elsewhere.

Barometer falling in the west and north, rising in the east and south, but rate of change slight.

TEMPERATURE

Highest, 50° at Nice, 49° at Lisbon, and 48° at Valencia Island.

Lowest, (1) 31° at Hammarland, 30° at Haparanda, 36° at Juerden, 39° at Naur; (2) 31° at Munich, 38° at Paris.

In London the reading is 42°, and a similar value is recorded at Shields and Leith. The English temperature is therefore several degrees below the average.

WIND

N³ to NE³, light to moderate, over Germany, France, and England, E³ in Denmark, SE³ on our northeast coast. In Ireland and Scotland the wind has shifted to the SW, and is inclined to freshen at Valencia Island.

WEATHER

Cloudy or overcast very generally, especially in the north, but the rain-fall over our eastern and southern counties has ceased.

There has been a further fall of rain in the southwest of France.

SEA

Rather rough at Valencia Island, moderate to smooth elsewhere. Its tendency is to rise in the west, but to go down in the east.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The northerly wind is dying out steadily, and the southerly wind in the west seems likely to spread slowly all over the kingdom.
The sky will probably clear in the east and south shortly.

FORECASTS

For the 24 hours ending at NOON on 11th April 1891.

DISTRICTS.

FORECASTS.

- | | | |
|---|------------------|--|
| 0 | SCOTLAND NORTH | S ³ and SW ³ winds, freshening; fair to rainy. |
| 1 | SCOTLAND EAST | |
| 2 | ENGLAND N.E. | Wind shifting to S. or SW; milder, fair generally. |
| 3 | ENGLAND EAST | |
| 4 | MIDLAND COUNTIES | NE ³ breezes, light; fair but hazy, cold — especially at night. |
| 5 | ENGLAND SOUTH | |



DISTRICTS.

FORECASTS.

- | | | |
|----|---------------|---|
| 6 | SCOTLAND WEST | SW ³ and S ³ breezes, milder, fair to showery. |
| 7 | ENGLAND N.W. | |
| 8 | ENGLAND S.W. | |
| 9 | IRELAND NORTH | S ³ winds, increasing in strength; cloudy, showery, unsettled. |
| 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 ...	30.29	SE	40	W	2	bc	2	Holyhead ...	30.15	46	W	ENE	3	b	3
Sumburgh Head ...	30.22	W	41	SW	2	o	3	Valencia ...	30.18	53	47	W	1	cm	2
Stornoway ...	30.17	48	41	SW	3	o	3	Scilly ...	30.07	46	44	NNE	5	o	4
Aberdeen ...	30.26	46	40	SE	2	bc	3	Jersey ...	29.99	45	42	NW	3	c	3
Shields ...	30.18	43	38	NNE	3	c	5	Dungeness ...	29.97	49	44	NW	1	bc	0
Ardrossan ...	30.20	45	42	ENE	1	c	1	London ...	30.02	44	42	NNE	1	OTB	*
Malin Head ...	30.19	44	41	ESE	3	bc	1	Yarmouth ...	30.00	41	40	ENE	4	c	4
Mullaghmore ...	30.18	49	44	NNE	4	cm	2	Rocheport ...	29.94	48	44	NNE	4	o	*
Belmullet ...	30.17	51	46	WNW	1	o	*								

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

Weather fine in Ireland, Scotland and the west of Norway, as well as over the greater part of southern Europe. Dull elsewhere, with rain at many of the English, French and German stations and also in the south of Russia. Some improvement taking place later over the greater part of England and France, but weather remaining dull and gloomy in London throughout the day.

Temperatures highest 65° at Malta, 62° at Algiers and Sfax and 59° at Brindisi; above 50° at most of the Mediterranean stations, and also on the coasts of the Spanish Peninsula. Lowest 19° at Archangel, 28° at Haparanda, 30° at Moscow, 31° at Uleaborg, and 32° at Helsingfors and below 40° over Russia and northern Europe generally, and also over the central parts of the United Kingdom. Daily maxima below 45° at many of the English stations, but thermometer exceeding 50° in some parts of Ireland and Scotland, and exceeding 60° in the south of France.

Wind moderate westerly from the E. over Denmark and Central Europe, from the N.E. over England and France, and from the N. in Spain. Light from the S. or S.W. in the extreme northwest and north of our Islands and also in the north of Scandinavia. Variable in Italy and Algeria. No important change occurring during day.

Barometer highest 30.6 in. and upwards in an anticyclone lying over Central Russia, 30.2 in. and upwards, in a long band extending thence across Scandinavia and the North Sea to Scotland and the north of Ireland. Lowest 29.8 in. and less, in a large shallow area lying over Italy and a considerable portion of the Mediterranean; 29.9 in. and less in a small depression lying over the northeast of France. French disturbance filling up later and barometer rising in most parts of Western Europe.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

* AN ASTERISK is inserted in all places for which information is not usually received. 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 11th April.* 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 5.)	SHADE TEMP.		Amount of Rainfall.	
	Reading at 3 rd P. and Sea Level.	Dry.	Dir.	Force. (0 to 12.)		Reading at 3 rd 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 ...	30.22	33	2	0	C	30.47	+0.40	26	25	-7	NNE	2	C	.	39	26	—
	Hernösand ...	30.30	35	2	0	bc	30.45	+0.16	34	33	+3	NE	2	0	.	40	21	—
	Stockholm ...	30.38	34	2	0	b	30.39	-0.01	38	34	-3	2	0	b	.	40	32	—
	Wisby ...	30.29	33	E	4	b	30.28	0.0	39	36	-3	E	4	C	.	46	32	—
	Bodö ...	30.28	34	2	0	b	30.41	+0.40	37	34	0	E	2	b	1	37	30	—
	Christiansund	30.38	43	WNW	3	C	30.41	+0.15	41	38	-2	S	1	bc	1	43	36	—
	Skudesnaes ...	30.34	42	NNW	2	b	30.37	+0.01	42	38	+1	E	2	0	1	53	36	—
	Christiania Fjord (Færder)	30.34	38	2	0	b	30.34	0.0	38	36	+2	NNW	4	C	1	43	36	—
	Skagen (The Seaw)	30.32	35	NE	1	b	30.32	-0.01	40	38	+1	ENE	1	0	1	46	36	—
	Fanö ...	30.25	38	ENE	4	b	30.23	0.0	40	38	+1	ENE	2	C	*	50	36	—
BRITISH ISLANDS.	Sumburgh Head	30.26	42	S	3	C	30.30	+0.04	44	42	+3	SSE	3	b	4	44	39	—
	Stornoway ...	30.08	46	SW	4	C	30.13	-0.01	44	42	+2	SE	4	C	4	49	36	—
	Wick ...	30.18	41	SE	6	bc	30.25	+0.05	43	40	+1	SE	6	bc	5	49	39	—
	Nairn ...	30.13	49	ESE	1	b	30.20	+0.03	42	40	+3	2	0	b	1	54	33	—
	Aberdeen ...	30.26	41	SSE	2	og	30.29	+0.02	44	41	+3	SE	3	bc	2	45	39	—
	Leith ...	30.21	48	NE	2	C	30.23	-0.01	44	40	+2	E	3	b	.	52	34	—
	Shields ...	30.23	44	ESE	3	C	30.24	0.0	40	39	-2	E	2	C	3	47	35	—
	Spurn Head ...	30.19	39	ENE	3	0	30.17	0.0	43	41	+1	NE	3	b	3	43	36	—
	York ...	30.21	45	E	1	C	30.21	0.0	41	39	-2	NE	1	b	.	50	32	—
	Loughborough	30.18	44	ENE	2	0	30.19	0.0	37	36	-3	NE	2	over	*	48	36	—
GERMANY & HOLLAND.	Ardrossan ...	30.15	45	ENE	1	0	30.17	-0.02	42	40	-3	ENE	2	om	1	49	38	—
	Malin Head ...	30.04	48	SSE	4	cm	30.03	-0.07	44	43	+3	SSE	5	om	2	50	40	—
	Mullaghmore ...	30.02	52	SE	5	om	30.02	-0.09	45	42	+3	SE	5	omg	4	52	42	—
	Belmullet ...	29.97	50	S	4	0	29.96	-0.09	45	43	0	SSE	4	om	.	53	43	0.05
	Donaghadee ...	30.14	45	S	3	0	30.15	-0.05	42	41	-1	SSE	3	0	1	47	41	—
	Liverpool (Bidston)	30.16	47	ENE	1	0	30.17	-0.03	41	38	-2	SSE	3	b	3	48	37	—
	Holyhead ...	30.15	45	2	0	og	30.11	-0.07	43	42	-1	ESE	1	omg	1	48	41	—
	Parsonstown ...	30.04	50	SE	1	0	30.01	-0.14	44	43	+3	SE	1	0	.	56	40	—
	Valencia ...	29.99	48	SE	6	ogm	29.91	-0.19	47	45	-1	E	2	0	3	50	45	0.41
	Roche's Point...	30.13	47	NE	3	C	29.97	-0.20	47	46	+1	SE	5	om	4	51	45	—
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	30.14	45	SSE	2	C	30.07	-0.12	43	42	0	SE	5	mg	4	45	40	—
	Scilly ...	30.11	46	SSE	2	0	29.99	-0.15	47	46	+2	SE	4	og	4	48	42	—
	Prawle Point...	30.15	43	E	1	b	30.08	-0.08	43	42	+2	ENE	1	ogm	0	47	38	—
	Jersey (St. Aubin's)	30.13	47	NNW	2	bcn	30.09	-0.05	44	42	+1	N	1	om	1	52	36	—
	Hurst Castle ...	30.13	45	WNW	3	m	30.12	-0.03	40	38	-2	NE	3	om	2	49	38	—
	Dungeness ...	30.10	43	NNE	3	0	30.07	-0.03	42	41	0	NE	4	0	2	48	35	—
	London ...	30.15	43	SSE	2	0	30.13	-0.02	40	38	-2	NE	1	og	.	50	37	—
	Oxford ...	30.15	44	NE	1	0	30.16	-0.02	37	36	-3	NE	2	0	.	53	37	—
	Cambridge ...	30.20	43	E	1	b	30.15	-0.01	41	40	-2	NE	1	C	.	51	32	—
	Yarmouth ...	30.16	40	ENE	4	C	30.13	+0.01	41	40	0	ENE	4	cm	4	41	38	—
PENINSULA.	Cuxhaven ...	30.17	42	ENE	4	b	30.17	+0.02	38	36	-1	ENE	4	b	.	45	37	—
	Berlin ...	30.09	44	E	4	b	30.04	-0.04	38	36	-3	NNE	5	bc	.	46	36	—
	Wiesbaden ...	*	*	*	*	*	29.98	-0.01	44	39	0	NE	3	C	*	48	41	—
	Munich ...	29.87	41	2	0	0	29.86	-0.06	37	36	+6	NE	3	0	*	46	32	0.04
	The Helder ...	30.15	42	NE	2	b	30.15	+0.01	41	39	0	ENE	2	b	3	45	41	—
	Brussels (8 a.m.)	*	*	*	*	*	30.04	-0.03	41	40	+1	ENE	3	P	*	51	39	0.04
	Cape Gris Nez	30.09	42	NE	4	m	30.05	-0.02	42	41	+1	E	3	0	3	46	39	—
	Paris ...	30.01	46	N	3	0	30.03	-0.04	42	40	+4	NNW	2	m	.	50	37	—
	Brest ...	30.17	47	NNE	1	0	30.08	-0.04	45	44	+2	SSE	2	0	2	50	39	—
	Lorient ...	30.12	47	NW	2	C	30.08	-0.05	43	41	+4	ENE	1	m	2	52	39	—
FRANCE AND BELGIUM.	Rochefort ...	30.07	50	NW	5	C	30.07	+0.02	40	39	-5	NNE	1	b	2	53	30	—
	Belfort ...	9	40	NNE	3	b	?	?	39	?	0	NNW	3	P	*	51	?	—
	Lyons ...	29.86	49	N	3	bc	29.94	+0.08	42	40	+1	NW	3	P	*	53	41	—
	Nice ...	29.60	52	NW	3	b	29.66	+0.03	51	43	+1	E	2	b	1	64	46	—
	Perpignan ...	29.90	52	NW	6	b	30.01	+0.17	48	41	+3	NW	6	b	*	56	45	—
	Biarritz ...	30.11	50	N	3	C	30.13	+0.07	46	42	+3	SW	2	C	2	54	43	0.04
	Corunna ...	†	*	*	*	*	30.08	-0.10	52	50	+2	SW	3	0	2	61	?	—
PENINSULA.	Lisbon ...	30.20	51	NNW	4	bc	30.24	+0.02	51	47	+2	N	3	b	5	57	48	—

WEATHER CHARTS

for 8 a.m. on Saturday, 11 April 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:

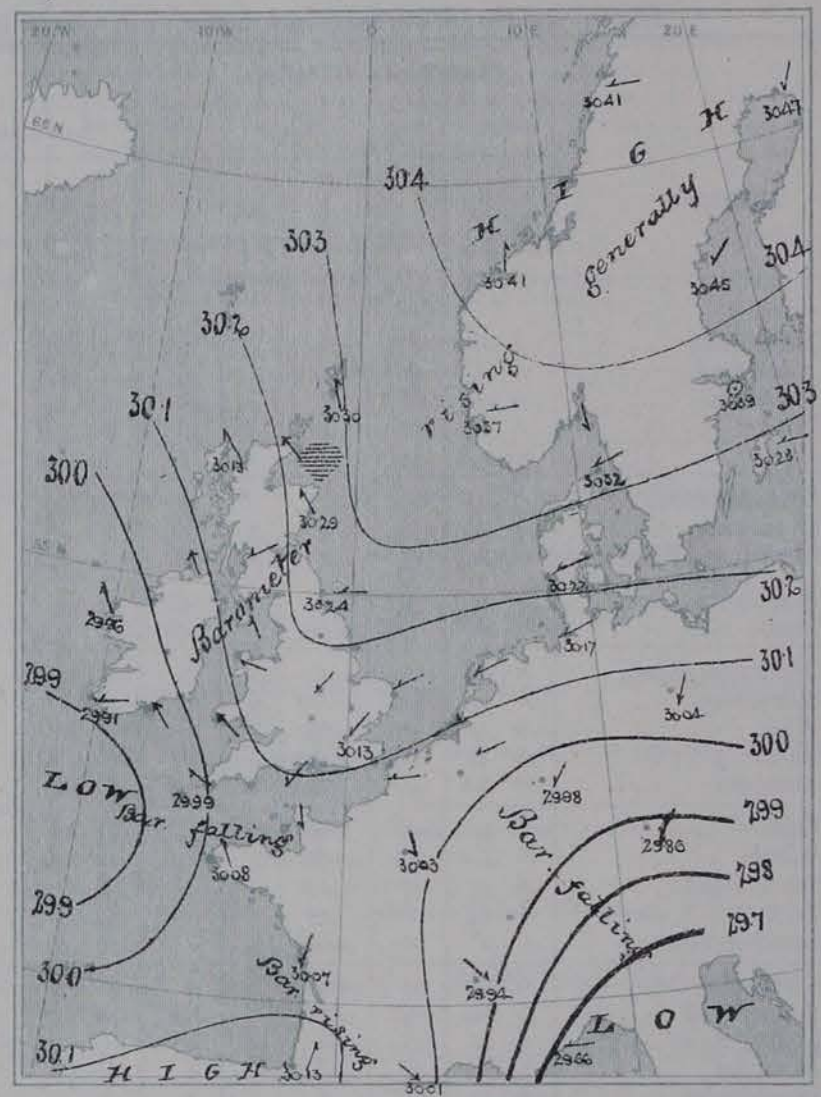
— Rough. — High.

MEAN HEIGHT OF THE BAROMETER

at 8.0 a.m. for the month of April

During the 20 Years: 1871—1890.

STATIONS.	MEAN READINGS.
Samburgh Head	29.840
Stornoway	29.824
Wick	29.818
Nairn	29.818
Aberdeen	29.838
Leith	29.863
Shields	29.866
Sparn Head	29.863
York	29.875
Loughborough	29.879
Ardrossan	29.857
Mullaghmore	29.859
Donaghadee	29.839
Holyhead	29.857
Liverpool	29.867
Parsonstown	29.864
Valencia	29.854
Roche's Point	29.851
Pembroke	29.852
Sally	29.856
Prawle Point	29.870
Jersey	29.872
Hurst Castle	29.871
Dover	29.864
LONDON	29.878
Oxford	29.884
Cambridge	29.880
Yarmouth	29.872



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.4 ins and more to 30.1 ins in an anticyclone stretching from Northern Europe across the North Sea to Scotland and England; 30.2 ins and more to 30.1 ins in another system over the Spanish Peninsula.
 Lowest, 29.7 ins and less over the Riviera and north of Italy; 29.3 ins and less off our southwest coast.
 Gradients slight to moderate. Barometer falls slightly in the southeast, rising slightly elsewhere.

TEMPERATURE

Highest, 51° at Nîmes and Lisbon, 48° at Perpignan, 47° at Valencia Island, 44° at Punningburgh.
 Lowest, 26° at Stefanavda, 34° to 39° at the other Swedish stations, 37° at Munich, 38° at Berlin, 40° in London, and 42° at Paris.
 It has risen a little in Ireland and Scotland, fallen over England since yesterday.

WIND

Moderate to fresh from SE. on our western and northern coasts (strong at Wick); light to moderate NE over England, ENE in the Netherlands, N at Paris, NW at Lyons and Perpignan.

WEATHER

Fine and bright at most of the northern stations, and in North Germany, cloudy or overcast generally in other places, with slight rain at Brussels.
 About 0.4 ins of rain has fallen at Valencia Id., and a few hundredths at Belmullet; our other stations do not report any.

SEA

Rather rough at Wick, moderate on our north and west coasts generally, slight in the Channel.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

A depression which was approaching Ireland last evening proves to be shallow and unimportant, and in the meanwhile another disturbance has spread over South Germany, from the southwards. Over Scandinavia the barometer has risen. The NE wind over England and the North Sea has consequently received additional impulse, while the SE wind in the west and north does not seem likely to spread any further over us at present, nor to increase in strength.

FORECASTS

For the 24 hours ending at NOON on 12th April. 1891.

DISTRICTS.

FORECASTS.

DISTRICTS.

FORECASTS.

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

SE^z and E^z winds, falling light; fair as a whole.
 E^z and NE^z winds, moderate to light; dull, perhaps a little rain at times.

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

Same as Nos 0 and 1.
 Varying E^z breezes, light; fair as a whole.
 Same as Nos 0 and 1.

WARNINGS

NONE ISSUED.

The South Cone, point downwards (↓), means that gales, or strong winds, are probable, at first from the Southward (from S.W. 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 ...	30.25	43	44	WNW	2	6	2		Holyhead ...	30.17	46	43	WNW	1	2
Sumburgh Head ...	30.27	43	40	S	4	0	4		Valencia ...	30.07	49	46	SE	6	6
Stornoway ...	30.70	44	44	S	4	C	4		Scilly ...	30.15	48	45	ESE	2	3
Aberdeen ...	30.27	43	41	SE	3	C	3		Jersey ...	30.17	50	46	NNE	2	2
Shields ...	30.24	47	45	E	2	C	3		Dungeness ...	30.11	48	45	NNE	3	1
Ardrossan ...	30.18	46	42	W	1	0	1		London ...	30.15	50	46	NNE	1	8
Malin Head ...	30.05	45	45	SE	4	C	1		Yarmouth ...	30.16	41	40	ENE	4	4
Mullaghmore ...	30.07	51	45	SE	4	0 m	3		Rocheport ...						
Belmullet ...	30.03	51	47	SEW	4	0	*								

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

Weather dull over the greater part of our Islands and the Continent, with rain at some of the German and Austrian stations as well as at Biscaya, Sanguinaria, Nicotiff and Constantinople. Fine in some parts of Scotland and the north of Ireland, as well as over Denmark, the central and northern parts of France and Russia and the southern parts of the Spanish Peninsula. Some improvement taking place later in the west of France.

Temperature highest 61° at Benderi, 60° at Malta, 58° at Tunis, and 57° at Nemours and Oron; above 50° at nearly all the Mediterranean stations and also over the Adriatic. Lowest 31° at Kermanshah, Archangel, Moscow, Charkov and Munich, 32° at St. Petersburg, and 33° at Hongk; below 40° in many parts of northern and central Europe, as well as over Central Scotland. Daily maxima a little above 50° in many parts of the United Kingdom, the highest reading of all being 56° at Bournemouth. Thermometer exceeding 60° in the south of France.

Wind light to moderate from the S^W or SE^W in Ireland and Scotland, strong from the SW^W over the northern parts of Scandinavia. Light from the E^W or SE^W over Russia and the Baltic; moderate from the NE^W or N^W over Germany, France, Spain, and the east and south of England. Strong from the W^W over Algeria, light or moderate from the E^W over Italy and the Adriatic. Subsequently increasing to a strong breeze from the SE^W in the south of Ireland; no important change elsewhere.

Barometer highest, 30.4 in. to 30.6 in. in an anticyclone lying over Russia, 30.1 in. and upwards, in a "col" extending southwestwards from Scandinavia across the North Sea and greater part of our Islands to the Bay of Biscay and Spain. Lowest 29.5 in. and less, in a well marked depression lying between the coasts of Italy and Sardinia. Depression subsequently travelling northwards, shallow disturbances beginning to approach the south of Ireland, where barometer fell decidedly.

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 12th April 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.	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 ...	30.55	25	Z	0	b	30.59	+ 12	23	21	- 3	E	2	b	*	37	21	-	
Hernösand ...	30.59	31	Z	0	b	30.60	+ 15	30	29	- 4	Z	0	o	*	41	30	-	
Stockholm ...	30.43	34	NE	2	b	30.39	+ 10	39	33	+ 1	ENE	6	b	*	45	28	-	
Wishby ...	30.26	28	ENE	4	b	30.18	- 10	42	36	+ 3	E	6	bc	*	46	28	-	
Bodö ...	30.49	38	WSW	1	o	30.50	+ 09	39	36	+ 2	E	2	o	2	39	36	-	
Christiansund ...	30.44	42	N	1	b	30.43	+ 02	42	37	+ 1	ESE	1	b	2	48	36	-	
Andenes ...	30.35	45	Z	0	c	30.38	+ 01	45	39	+ 3	ESE	2	bc	2	50	41	-	
Christiania Fjord (Færder) ...	30.36	42	NNE	3	c	30.40	+ 06	37	34	- 1	NNE	5	bc	1	45	36	-	
Skagen (The Seaw) ...	30.30	42	ENE	3	b	30.27	- 05	36	34	- 4	NE	5	b	4	46	36	-	
Fanö ...	30.17	43	ENE	2	b	30.12	- 11	38	36	- 2	NE	4	c	*	49	36	-	
Sumburgh Head ...	30.33	44	SSE	2	b	30.33	+ 03	45	43	+ 1	Z	0	c	2	48	36	-	
Stornoway ...	30.18	47	SE	2	c	30.19	+ 06	43	40	- 1	SE	4	b	4	50	28	-	
Wick ...	30.28	43	SE	4	b	30.30	+ 05	43	42	0	S	2	b	1	49	36	-	
Nairn ...	30.22	48	SW	1	b	30.26	+ 06	43	40	+ 1	ESE	1	b	1	55	27	-	
Aberdeen ...	30.31	41	SE	2	b	30.30	+ 01	45	42	+ 1	E	1	bc	2	47	32	-	
Leith ...	30.26	47	E	2	b	30.27	+ 04	41	39	- 3	Z	0	c	*	53	31	-	
Shields ...	30.24	44	E	2	c	30.25	+ 01	42	40	+ 2	NE	2	c	3	48	38	-	
Spurn Head ...	30.19	41	ENE	3	c	30.18	+ 01	42	40	- 1	NNE	3	o	3	44	39	-	
York ...	30.21	46	E	1	b	30.22	+ 01	43	39	+ 2	N	1	b	*	51	36	-	
Loughborough ...	30.15	46	ENE	3	bc	30.20	+ 01	41	39	+ 4	NNE	3	cm	*	50	34	-	
Ardrossan ...	30.20	49	E	3	o	30.22	+ 05	46	41	+ 4	ENE	2	b	1	52	38	-	
Malin Head ...	30.10	48	SSE	4	bc	30.12	+ 09	41	40	- 3	SSE	4	b	3	50	38	-	
Mullaghmore ...	30.11	48	ESE	4	ogm	30.13	+ 11	44	40	- 1	E	4	b	4	51	38	-	
Belmullet ...	30.07	50	S	3	o	30.05	+ 09	45	42	0	SSE	4	o	*	52	41	0.04	
Donaghadee ...	30.18	46	SE	3	bc	30.22	+ 07	44	42	+ 2	ESE	4	b	2	50	41	-	
Liverpool (Bidston) ...	30.17	44	ENE	3	o	30.28	+ 06	40	38	- 1	ENE	1	o	1	50	34	-	
Holyhead ...	30.14	46	NE	2	c	30.21	+ 10	47	41	+ 4	ESE	2	b	1	53	38	-	
Parsonstown ...	30.11	48	Z	0	c	30.14	+ 13	43	41	- 1	SE	2	b	*	51	30	-	
Valencia ...	30.06	48	ESE	2	o	30.09	+ 18	48	46	+ 1	SE	6	cm	6	50	44	0.19	
Roche's Point ...	30.09	46	SE	5	c	30.16	+ 19	48	45	+ 1	SE	4	c	4	48	42	0.20	
Pembroke (St. Ann's Hd.) ...	30.10	45	SE	3	bc	30.20	+ 13	44	41	+ 1	ESE	2	b	2	47	39	-	
Scilly ...	30.02	46	E	4	o	30.15	+ 16	46	43	- 1	E	4	c	6	48	42	-	
Prawle Point ...	30.06	42	ENE	2	bc	30.17	+ 09	43	40	0	ENE	5	b	4	44	35	-	
Jersey (St. Aubin's) ...	30.02	46	NNE	3	op	30.12	+ 03	43	40	- 1	NE	3	cg	3	50	40	-	
Hurst Castle ...	30.06	45	NE	3	op	30.16	+ 04	40	38	0	NNE	3	b	2	51	36	0.02	
Dungeness ...	30.02	44	NE	5	bc	30.06	- 01	42	40	0	NE	5	c	4	48	39	-	
London ...	30.10	44	ESE	2	c	30.13	+ 00	40	38	0	NNE	3	o	*	48	36	0.05	
Oxford ...	30.14	42	NE	3	b	30.18	+ 02	41	39	+ 4	N	3	b	*	51	32	-	
Cambridge ...	30.14	42	E	2	b	30.14	- 01	43	41	+ 2	NE	2	o	*	50	30	-	
Yarmouth ...	30.12	42	ENE	5	bc	30.12	- 01	41	40	0	NE	5	cg	4	43	38	-	
Cuxhaven ...	30.10	40	ENE	6	b	30.08	- 09	39	37	+ 1	NE	5	o	*	43	37	-	
Berlin ...	29.95	42	N	4	r	29.88	- 16	39	38	+ 1	N	3	r	*	43	37	0.46	
Wiesbaden ...	*	*	*	*	*	29.95	- 03	41	38	- 3	N	1	o	*	48	37	-	
Munich ...	29.89	36	Z	0	r	29.89	+ 03	33	32	- 4	NW	3	c	*	39	30	0.04	
The Helder ...	30.12	42	NE	3	o	30.10	- 05	41	39	0	NE	2	c	3	45	40	-	
Brussels (9 a.m.) ...	*	*	*	*	*	30.04	+ 00	37	36	- 4	NNE	4	o	*	50	36	0.08	
Cape Gris Nez ...	30.00	42	ENE	5	b	30.01	- 04	40	39	- 2	NE	5	r	5	48	37	0.04	
Paris ...	29.96	46	NE	2	r	30.06	+ 03	38	36	- 4	NNE	2	b	*	51	35	0.12	
Brest ...	29.99	47	SSE	2	r	30.13	+ 05	43	42	- 2	NE	1	o	5	50	37	0.04	
Lorient ...	29.97	47	Z	0	o	30.08	- 00	41	39	- 2	NNE	3	b	5	52	39	-	
Roche fort ...	29.95	51	W	3	o	30.00	- 07	44	41	+ 4	NE	4	c	2	59	34	-	
Belfort ...	30.00	38	NW	2	bc	30.00	- 07	38	38	- 1	NW	1	b	*	47	34	-	
Lyons ...	29.96	44	NNW	3	o	29.93	- 01	40	38	- 2	N	1	o	*	50	36	-	
Nice ...	29.71	54	SSW	3	bc	29.74	+ 08	47	41	- 4	NE	3	b	1	63	43	-	
Perpignan ...	29.94	55	N	1	b	29.90	- 11	48	44	0	NW	2	o	*	60	44	-	
Biarritz ...	29.99	52	Z	0	r	29.96	- 17	50	48	+ 4	N	4	r	5	?	45	0.28	
Corunna ...	*	*	*	*	*	30.17	+ 09	58	46	+ 6	NNW	3	o	4	59	46	0.16	
Lisbon ...	30.23	55	NW	4	b	30.28	+ 04	53	49	+ 2	NNW	4	c	3	63	50	-	

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 Sunday, 12th April . 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 6 to 7; → forces 3 to 4.

○ = dead calm.

SEA DISTURBANCE—Where considerable, is shown thus:

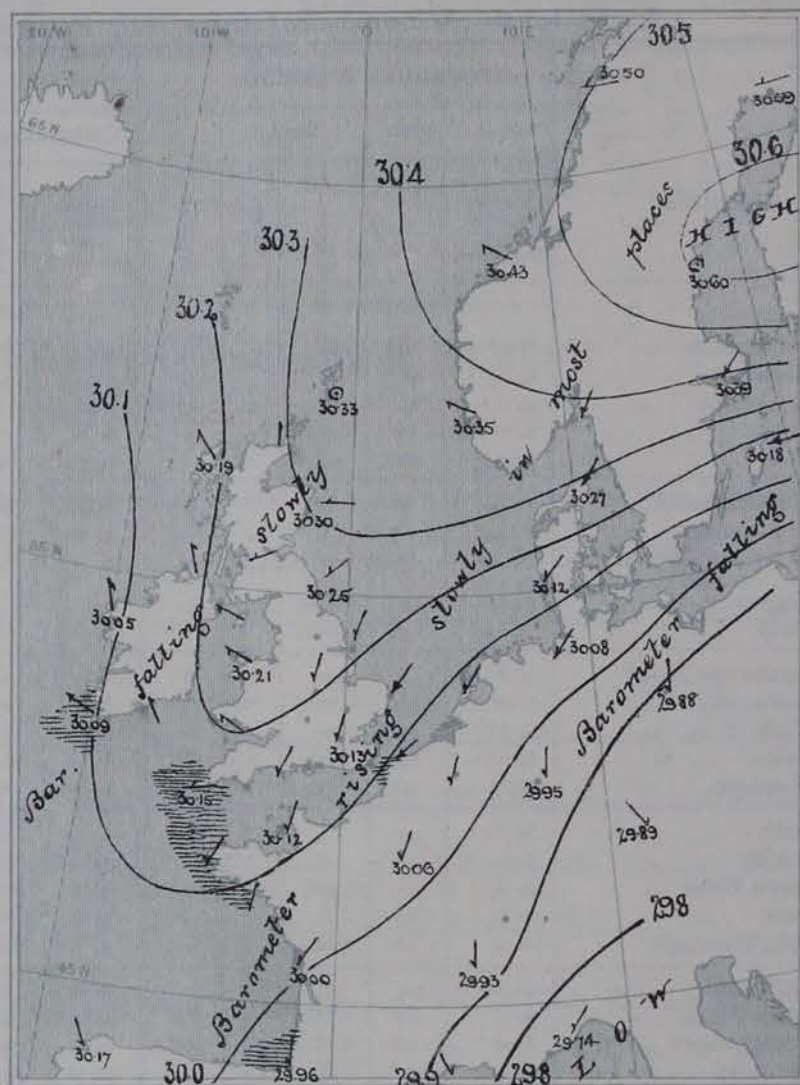
▨ = Rough, ▨ = High.

MEAN HEIGHT OF THE BAROMETER

at 8.0 a.m. for the month of April

During the 20 Years: 1871—1890.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.840
Stornoway	29.824
Wick	29.818
Nairn	29.848
Aberdeen	29.858
Leith	29.863
Shields	29.866
Spurn Head	29.863
York	29.875
Loughborough	29.879
Ardrossan	29.857
Mullaghmore	29.839
Donaghadee	29.859
Holyhead	29.857
Liverpool	29.867
Parsonstown	29.864
Valencia	29.851
Roche's Point	29.851
Pembroke	29.852
Sally	29.856
Prawle Point	29.876
Jersey	29.872
Hurst Castle	29.871
Dover	29.861
LONDON	29.878
Oxford	29.884
Cambridge	29.880
Yarmouth	29.872



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 April.)

STATIONS.	TEMPERATURE.				RAINFALL (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.	at 8 a.m.	
Sumburgh Head	46.0	36.7	41.7	40.2	2.07
Stornoway	45.9	37.2	43.8	42.3	2.65
Wick	45.8	35.9	43.1	41.2	1.63
Nairn	50.0	37.3	42.7	40.4	1.26
Aberdeen	49.3	38.0	43.2	40.7	2.16
Leith	52.0	37.9	44.1	41.7	1.57
Shields	49.0	38.6	43.5	41.4	1.80
Spurn Head	48.4	40.3	44.0	42.3	1.45
York	48.5	37.7	43.8	41.6	1.75
Loughborough	55.1	38.1	44.4	42.1	1.78
Ardrossan	51.5	39.5	44.4	42.1	2.14
Mullaghmore	51.9	42.3	45.3	43.0	2.05
Donaghadee	51.0	40.0	44.6	42.9	1.92
Holyhead	51.4	42.0	45.8	43.8	1.90
Liverpool	52.6	40.4	45.0	43.1	1.55
Parsonstown	51.0	38.0	45.0	42.6	2.04
Valencia	53.0	42.8	48.2	45.6	3.83
Roche's Point	53.7	43.1	46.8	44.5	3.24
Pembroke	50.4	41.9	45.2	43.4	1.94
Sally	52.1	44.7	48.6	46.6	2.27
Prawle Point	51.0	40.7	46.2	44.6	2.07
Jersey	54.2	43.5	48.5	45.0	2.08
Hurst Castle	52.1	41.0	45.5	43.2	1.83
Dover	51.1	41.5	46.3	44.0	1.77
LONDON	56.0	39.7	46.1	43.2	1.84
Oxford	54.0	38.0	44.4	42.1	1.78
Cambridge	55.8	37.3	45.2	43.0	1.69
Yarmouth	49.1	39.9	44.7	43.0	1.70

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, 30.6 ins. to 30.1 ins. in a high pressure area over Scandinavia and stretching in a ridge-like form over the whole of the British Isles; 30.3 ins. to 30.2 ins. over Portugal.

Lowest, 29.8 ins. and less, over the Gulf of Genoa; 29.9 ins. and less over Central and Southern Germany.

Gradients moderate over the Baltic, — slight over northern Europe, our Islands, and their neighbourhood.

Barometer falling over Germany and the Baltic, and inclined to fall in the west of Ireland.

TEMPERATURE

Highest, 58° at Cuxma, 53° at Lisbon, 50° at Biscaya, 48° in the south of Ireland, and 45° at Aberdeen and Dumburgth SP.

Lowest, 23° at Haparanda, 30° at Helsingfors, 33° at Munich, 37° at Brussels, 38° at Belfort and Paris, and 40° in London.

It has fallen over France since yesterday, scarcely changed in our Islands.

WIND

Fresh NE¹ on the eastern side of the North Sea and at Yarmouth, moderate in the Channel, France and south of England; moderate E¹ to SE¹ on our western and northwestern coasts, but strong at Valencia Island; N¹ over Spain.

It appears to be freshening on our western coasts generally.

WEATHER

Fine and dry over Northern Europe and the north of our Islands; dull and showery in the extreme southeast, dull and gloomy in the south and east, unsettled and rainy in Germany and northeast of France.

SEA

Rough at Valencia Island, rather so on the west coast of France, moderate on our northern and western coasts generally, and in the Channel, slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

For the 24 hours ending at NOON on 13th April 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


FORECASTS.

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 ...	30.36	50	43	WNW	2	b	1		Holyhead ...	30.12	49	46	NNW	1	c
Sumburgh Head ...	30.31	46	43	SSE	3	b	4		Valencia ...	29.97	50	49	NNE	3	om
Stornoway ...	30.17	50	45	SE	3	b	3		Scilly ...	29.99	47	46	SE	5	d
Aberdeen ...	30.24	47	44	SE	3	b	3		Jersey ...	30.05	50	46	E	2	c
Shields ...	30.24	46	44	E	2	c	3		Dungeness ...	30.03	46	44	NE	5	bc
Ardrossan ...	30.46	52	47	E	3	b	1		London ...	30.04	46	44	SE	2	om
Malin Head ...	30.09	50	46	SSE	5	o	2		Yarmouth ...	30.12	43	41	ESE	4	b
Mullaghmore ...	30.07	44	44	SE	5	ogm	4		Rocheport ...	30.02	55	50	WNW	3	bc
Belmullet ...	30.02	52	48	S	3	c	*								

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

Weather fine in the north and east of Great Britain as well as over the west of Norway, the southern parts of France and Spain, and the greater part of Algeria; cloudy or overcast elsewhere, with rain in Austria, central France and north of Italy. Again falling later at many of the French and German stations and, passing showers in the south of our Islands.

Temperature highest at Constantinople, 60° at Tunis, and 57° at Barcelona and Palermo; above 50° at nearly all the Mediterranean stations and also on the coasts of the Spanish Peninsula. Lowest 26° at Haparanda, 30° at Archangel and Kuopio, 32° at Hango, and 34° at Helsingfors, Alsterburg, and Moscow; below 40° in most parts of northern and central Europe, and also over Central England. Daily maxima very little above 50° in any part of the United Kingdom, but thermometer exceeding 60° over Southern Europe, and reaching 70° or more at some of the Algerian stations.

Wind moderate from the E or NE over Denmark, the Baltic, and Central Europe, as well as over a considerable portion of England; light from the NW in the north of France, but strong from NW in the south of that country; moderate from the NW over the central parts of the Mediterranean and from SW or S over Southern Italy. Moderate or fresh from SE in the west and north of our Islands; variable in Spain and western Algeria. Well marked cyclonic circulation appearing later over Austria and Eastern Germany.

Barometer highest 30.6 in. and upwards over central Russia; high 30.2 in. and upwards over the whole of Northern Europe and also in another area lying over the southwestern part of the Iberian Peninsula. Lowest 29.5 in. and less, in a well marked depression lying over the Adriatic; 29.3 in. and less, in a shallow system lying off the southwest of Ireland. Former disturbance subsequently moving northwards over Austria; latter system travelling away in a southerly direction and apparently dispersing.

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.

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“ Weekly “ “ “ “ £1 10 0 “

DAILY WEATHER REPORT.

for *Monday, 13th April, 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 2.)	SHADE TEMP.			
				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 ...	30.50	24	Z	0	b	30.46	-13	22	21	-1	Z	0	b	*	36	12	.	
	Hernösand ...	30.48	30	Z	0	b	30.44	-16	31	30	+1	Z	0	b	*	50	27	.	
	Stockholm ...	30.30	37	ESE	6	b	30.20	-19	37	34	-2	ESE	6	b	*	45	28	.	
	Wisby ...	30.06	40	E	8	0	29.99	-19	38	36	-2	E	6	T	*	46	32	0.04	
	Bodö ...	30.48	36	Z	0	b	30.40	-10	43	35	+8	E	2	b	1	46	34	.	
	Christiansund	30.36	43	ESE	1	b	30.28	-15	41	37	-4	ESE	1	b	1	52	37	.	
	Skudesnaes ...	30.29	41	Z	0	c	30.19	-19	45	37	-8	ESE	2	c	2	?	36	.	
	Christiania Fjord (Fæder)	30.30	42	NNE	5	0	30.19	-21	38	34	+4	NNE	6	b	2	43	36	.	
	Skagen (The Seaw)	30.19	39	NE	4	b	30.05	-22	36	34	-2	NE	6	0	4	46	36	.	
	Fanö ...	30.07	38	NE	4	0	29.95	-17	36	35	-1	NNE	4	0	*	41	34	.	
BRITISH ISLANDS.	Sumburgh Head	30.28	43	SSE	2	bc	30.17	-16	43	40	-3	SSE	2	0	3	48	39	.	
	Stornoway ...	30.05	46	SE	4	0	29.98	-21	43	40	-3	S	6	0	5	49	39	.	
	Wick ...	30.18	42	S	4	c	30.11	-19	43	41	-2	S	3	bc	2	50	37	.	
	Nairn ...	30.11	43	SE	1	bc	30.04	-22	43	40	-3	SSE	3	b	1	50	33	.	
	Aberdeen ...	30.22	41	SE	3	bc	30.14	-16	40	36	-4	SSE	2	0	3	48	37	.	
	Leith ...	30.16	45	SE	3	b	30.09	-18	42	38	-4	ESE	1	b	*	46	32	.	
	Shields ...	30.18	42	ESE	2	bc	30.11	-14	39	36	-3	Z	0	0	2	49	37	.	
	Spurn Head ...	30.16	42	NE	3	bc	30.08	-10	41	38	-3	ESE	2	e	2	45	40	.	
	York ...	30.17	46	E	1	c	30.11	-11	38	36	-2	ESE	1	0	*	51	32	.	
	Loughborough	30.17	43	ESE	2	c	30.11	-10	37	36	-1	Z	0	cmw	*	50	30	.	
GERMANY & HOLLAND.	Ardrossan ...	30.10	46	Z	0	b	30.04	-18	42	40	-2	E	4	0	3	49	36	.	
	Malin Head ...	29.94	45	SSE	5	og	29.95	-17	39	38	-1	S	3	or	2	50	37	0.01	
	Mullaghmore ...	29.93	44	SSE	6	ogm	29.93	-20	40	38	-2	SSE	2	og	3	51	38	0.32	
	Belmullet ...	29.87	48	S	3	0	29.94	-11	45	42	-3	N	3	0	*	52	39	0.45	
	Donaghadee ...	30.11	45	S	3	bc	30.03	-19	40	40	0	SSE	3	T	1	49	38	0.14	
	Liverpool (Bidston)	30.15	43	S	1	b	30.07	-16	39	37	-2	ESE	3	0	2	46	34	.	
	Holyhead ...	30.13	45	NW	1	b	30.02	-19	43	40	-3	S	2	og	2	51	40	.	
	Parsonstown ...	29.95	46	SE	2	0	29.95	-19	41	40	-1	SE	2	T	*	54	36	0.26	
	Valencia ...	29.88	47	SE	7	gmw	29.99	-10	47	43	-4	N	4	bcm	4	48	44	0.78	
	Roche's Point...	30.05	48	SE	5	0	29.97	-19	45	43	-2	SE	4	c	4	51	41	0.50	
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	30.13	44	ESE	2	c	29.97	-23	41	40	-1	SE	5	og	4	47	39	0.01	
	Scilly ...	30.13	46	ESE	4	c	29.80	-35	44	44	0	ESE	7	m	6	49	42	0.31	
	Prawle Point...	30.15	44	SW	2	bc	29.98	-19	40	40	0	SSE	5	ru	4	49	39	0.06	
	Jersey (St. Aubin's)	30.16	47	NNE	3	bm	30.04	-18	43	40	-3	SE	4	ogm	3	49	37	.	
	Hurst Castle ...	30.14	44	ESE	1	bc	30.06	-10	44	41	-3	SSE	3	c	1	50	38	0.01	
	Dungeness ...	30.10	40	NE	4	b	30.07	-13	43	40	-3	NNE	2	b	1	48	29	.	
	London ...	30.12	40	SE	1	opm	30.09	-14	41	38	-3	SE	1	c	*	49	35	0.10	
	Oxford ...	30.16	40	NE	2	b	30.08	-10	40	38	-2	E	1	0	*	50	31	.	
	Cambridge ...	30.16	42	NE	2	bc	30.09	-15	39	37	-2	NE	1	b	*	49	30	0.07	
	Yarmouth ...	30.12	43	NE	4	c	30.07	-15	40	37	-3	NNE	3	c	3	45	37	0.01	
GERMANY & HOLLAND.	Cuxhaven ...	30.03	37	NE	4	0	29.95	-13	37	36	-1	NNE	3	T	*	42	36	0.08	
	Berlin ...	29.81	36	NW	3	T	29.77	-11	37	35	-2	NW	3	S	*	41	34	0.32	
	Wiesbaden ...	*	*	*	*	*	29.99	+04	41	37	-4	NW	4	0	*	50	37	.	
	Munich ...	29.94	39	Z	0	c	29.99	+10	36	35	-1	W	5	0	*	45	32	.	
	The Helder ...	30.11	39	NNE	1	b	30.03	-17	40	38	-2	N	2	c	3	43	39	.	
	Brussels (9 a.m.)	*	*	*	*	*	30.06	+02	38	36	-2	NW	1	0	*	45	35	0.04	
	Cape Gris Nez	30.04	41	NE	4	bc	30.07	+06	39	34	-5	N	1	0	1	46	36	0.08	
	Paris ...	30.07	44	NW	2	e	30.11	+05	38	36	-2	NW	1	0	*	49	35	.	
	Brest ...	30.16	52	Z	0	b	29.94	-21	45	42	-3	S	4	T	4	55	37	0.43	
	Lorient ...	30.13	48	Z	0	0	29.97	-11	44	43	-1	S	3	T	2	54	41	0.16	
FRANCE AND BELGIUM.	Rochefort ...	30.11	50	NW	4	c	30.06	+06	45	45	0	SW	3	0	*	54	39	.	
	Belfort ...	?	38	NW	3	bc	?	?	44	?	?	NW	2	bc	*	51	33	.	
	Lyons ...	30.01	42	NW	1	c	30.09	+16	41	37	-4	NW	2	bc	*	51	35	0.12	
	Nice ...	29.82	50	S	3	bc	29.82	+08	46	42	-4	S	4	bc	2	57	41	.	
	Perpignan ...	30.03	52	NW	3	0	30.10	+13	47	41	-6	NW	3	b	*	59	44	.	
	Biarritz ...	30.17	51	NW	3	0	30.11	+15	50	46	-4	SW	2	0	4	55	46	0.04	
	Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
	Lisbon ...	30.33	54	NW	4	b	30.31	+03	57	54	-3	NW	4	c	5	61	?	.	

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, 13th April, 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.

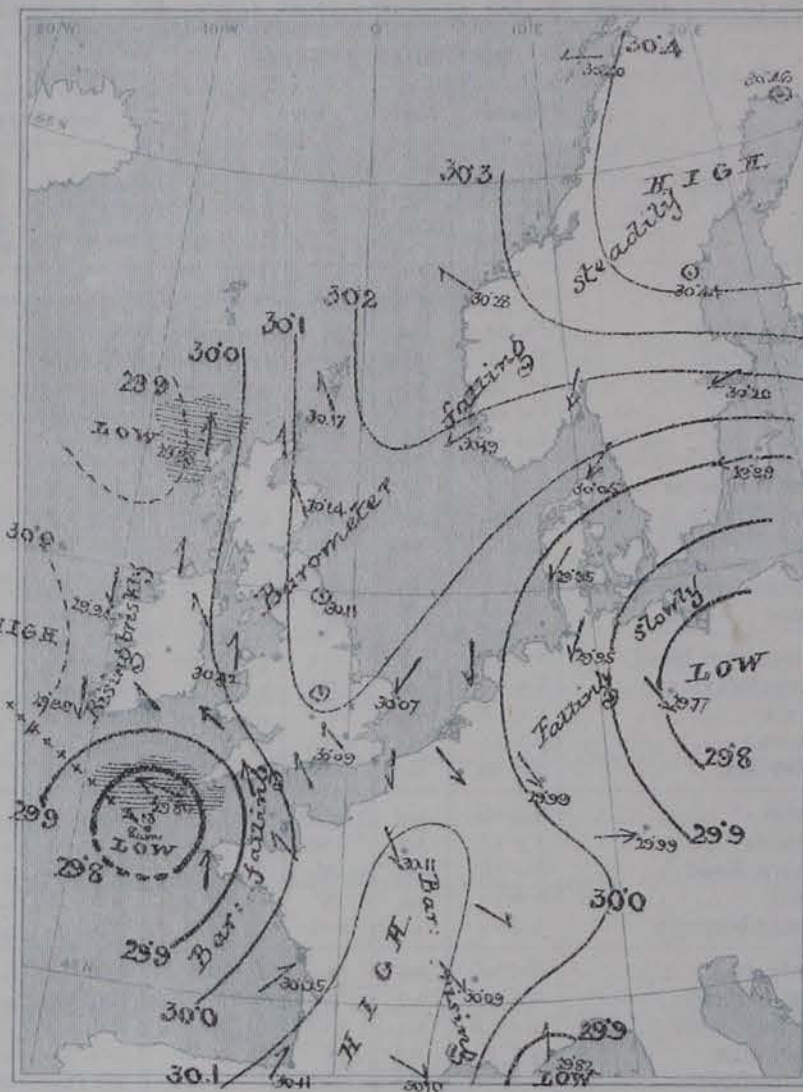
WIND—Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force thus—
 ——— forces above 10; ——— forces 8 to 10;
 ——— forces 5 to 7; ——— forces 1 to 4;
 ——— dead calm.

SEA DISTURBANCE—Where considerable, is shown thus:
 ——— = Rough, ——— = High.

MEAN HEIGHT OF THE BAROMETER

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

STATIONS.	MEAN READINGS.
Samalburgh Head	29.849
Stornoway	29.824
Wick	29.843
Nairn	29.848
Aberdeen	29.858
Leith	29.863
Shields	29.866
Sour Head	29.869
York	29.875
Loughborough	29.879
Ardrossan	29.887
Mullaghmore	29.839
Donaghadee	29.859
Holyhead	29.847
Liverpool	29.867
Parsonstown	29.864
Valencia	29.854
Roche's Point	29.851
Pembroke	29.852
Sully	29.850
Prawle Point	29.876
Jersey	29.872
Hurst Castle	29.871
Dover	29.861
LONDON	29.878
Oxford	29.844
Cambridge	29.880
Yarmouth	29.872



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.

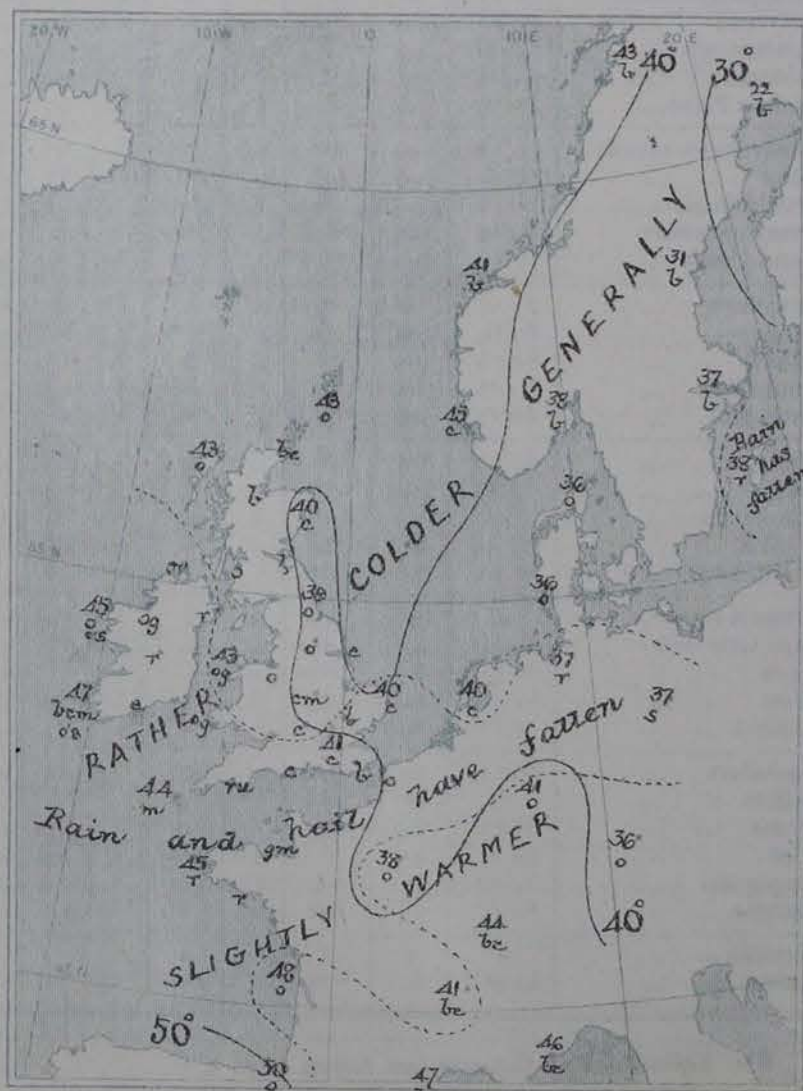
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of April.)

STATIONS.	TEMPERATURE.				RAINFALL. (Inches)
	Daily Max.	Daily Min.	Dry	Wet.	
Samalburgh Head	40.0	36.7	41.7	40.2	2.07
Stornoway	48.9	37.2	43.8	42.3	2.65
Wick	48.0	36.9	43.1	41.2	1.68
Nairn	50.9	37.3	42.7	40.4	1.20
Aberdeen	49.3	38.0	45.2	40.7	2.10
Leith	52.0	37.0	41.1	41.7	1.57
Shields	49.0	38.0	43.5	41.4	1.80
Sour Head	48.4	40.3	44.0	42.3	1.45
York	43.5	37.7	43.8	41.6	1.75
Loughborough	55.1	38.1	44.4	42.1	1.78
Ardrossan	51.5	38.5	43.1	42.1	2.11
Mullaghmore	51.9	42.3	45.3	43.0	2.05
Donaghadee	51.0	40.0	44.6	42.9	1.92
Holyhead	51.4	42.0	45.8	43.8	1.90
Liverpool	52.6	40.4	45.0	42.1	1.56
Parsonstown	54.0	38.0	45.0	42.5	3.04
Valencia	53.0	42.8	48.2	45.0	3.83
Roche's Point	53.7	42.1	46.8	44.5	3.24
Pembroke	50.4	41.0	45.2	43.1	1.94
Sully	52.1	41.7	48.0	40.6	2.27
Prawle Point	51.9	40.7	46.2	44.6	2.07
Jersey	54.2	43.5	48.5	45.9	2.08
Hurst Castle	52.1	41.0	45.5	44.2	1.83
Dover	51.1	41.5	45.3	44.0	1.77
LONDON	53.0	39.7	46.1	41.2	1.84
Oxford	51.0	38.9	44.4	42.1	1.78
Cambridge	55.8	37.3	45.2	43.0	1.60
Yarmouth	49.1	39.9	44.7	43.0	1.70

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



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.4 in. and more to 30.1 in. over Scandinavia and the northern parts of the North Sea; 30.2 in. and more to 30.1 in. over the Spanish Peninsula and some parts of France; 29.9 in. and more off the west of Ireland.
 Lowest, 29.8 in. and less over North Germany, and in a depression at the mouth of the Channel, 29.9 in. and less, in another depression lying to the westward of Brittany.
 Gradients very variable, but nowhere steep.
 Barometer rising again in the west of Ireland, falling elsewhere, but not quickly.

TEMPERATURE

Highest, 57° at Lisbon, 50° at Biarritz, 47° at Valencia Island, 46° at Nice.
 Lowest, 22° at Haparanda, 31° at Helsingfors, 36° to 38° over Germany and the eastern shore of the North Sea, 38° at Paris, 40° at Aberdeen, and 41° at London.
 It is apparently falling again in the far west, but rising a little (temporarily) over England.

WIND

E to NE, strong to moderate over the Baltic, Denmark, and Holland. Very light from the NE on our eastern coasts; SE and stronger in the other parts of Great Britain and the east of Ireland; N in the west of Ireland; SW in the southwest of France; variable elsewhere.

WEATHER

Fine and bright over Scandinavia and the northeast of Great Britain, fair on our east coasts, cloudy, showery, and changeable in the west. Snow is falling at Berlin.
 Rainfalls have been heaviest in the south of Ireland and about the mouth of the Channel.

SEA

Rough at Scilly, rather rough in the Minch, moderate on our western coast generally, slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The N^W wind in the far west will probably spread eastwards during the day, and the SE wind over England back round to NE, with cold showers.

FORECASTS

For the 24 hours ending at NOON on 14TH April 1891.

DISTRICTS.

FORECASTS.

0 SCOTLAND
NORTH

1 SCOTLAND
EAST

2 ENGLAND
N.E.

3 ENGLAND
EAST

4 MIDLAND
COUNTIES

5 ENGLAND
SOUTH

Wind very variable; weather changeable, rain at times.

Same as No. 4.

Same as No. 5.

E^W winds, light; cold, fair as a whole.
 SE^W winds, backing to E and NE; drizzle, showery, cold.

DISTRICTS.

FORECASTS.

6 SCOTLAND
WEST

7 ENGLAND
N.W.

8 ENGLAND
S.W.

9 IRELAND
NORTH

10 IRELAND
SOUTH

Same as Nos 0 and 1.

Same as No. 4.

Same as No. 5.

N^W winds, cold, some showers then fair.

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.		
Skudesnae ...	30.34	51	40	ESE	2	2		Holyhead ...	30.18	49	42	W	2
Sumburgh Head ...								Valencia ...					
Stornoway ...	30.13	49	45	S	4	6		Scilly ...					
Aberdeen ...								Jersey ...	30.15	49	43	N	3
Shields ...								Dungeness ...	30.09	47	43	ESE	5
Ardrossan ...								London ...					
Malin Head ...	30.03	49	42	SSE	5	0		Yarmouth ...					
Mullaghmore ...								Rochefort ...	30.08	53	49	NW	4
Belmullet ...	30.04	51	46	S	4	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 at some of the English stations. Dull in nearly all the central and southern countries. Raining in Germany and also at Kiev, Trieste, Biarritz and Rome; snow falling at Warsaw. Heavy showers of hail, sleet or rain falling during day in the south of England and large quantities of rain in the west and south of Ireland (0.8 in. at Valencia Island, and 0.5 in. at Belmullet and Roche's Point).

Temperature highest 61° at Gren., 60° at Algiers, 59° at Brindisi, and 58° at Corunna and La Calle; above 50° at nearly all the Mediterranean stations and also on the coast of the Spanish peninsula. Lowest 23° at Haparanda, 26° at Archangel, 30° at Uleaborg and Herissand, and 31° at St. Petersburg; below 40° over northern and central Europe generally and only just reaching that point in London. Daily maxima below 50° at most of the English stations.

Wind moderate to strong from the E^W or NE^W over Denmark, the Baltic, north Germany, the Netherlands, France and the east and south of England, moderate from the SE^W in the west and north of our Islands, NW^W over Austria and the central and southern parts of Germany, as well as in Spain and the extreme south of France; W^W in Algeria and the south of Italy; variable in the north of Italy. Subsequently increasing to a strong breeze or moderate gale from the SE^W in Ireland.

Barometer highest 30.5 ins. to 30.6 ins. in an anticyclone lying over the northern parts of Russia and Scandinavia, 30.1 ins. and upwards over all the more northern and northwestern countries of Europe. Lowest 29.6 ins. and less in a well defined depression lying over Galicia. New disturbance subsequently advancing to our extreme western coasts and barometer falling decidedly in Ireland.

SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD FROM THE 5TH TO 11TH APRIL 1891.

At the commencement of this week showery unsettled weather prevailed over almost the whole of our Islands, Germany, France and Spain, accompanied by strong SE^W winds in the north and east of the United Kingdom but by W^W breezes in the south and over France. Thunderstorms were experienced in many places, while over the north midland counties of England as well as at several Continental stations the rainfall was heavy. Temperature, however, was higher than it had been for some time past, the daily maxima over the inland and southern parts of England ranging between 53° and 58°. These showery conditions resulted from a well-marked depression, which at 8 a.m. on Sunday lay over the north of Ireland but which subsequently travelled in a S^W direction down the Irish coast; it then moved southwards and eastwards, passing inland over the north of France during Monday night, and finally dispersing over the Netherlands on Thursday. As this movement took place the wind backed round to the E^W and N^W over the United Kingdom, and after some further thunderstorms temperature fell fast, so that the latter half of the week was very cold and almost wintry. The rainfall due to this system, however, decreased in most places and on Friday had ceased entirely while in the west and north the sky cleared; a great deal of cloud, however, continued over England, especially in the east and south.

On Friday a new depression appeared in the far west, causing rain and SE^W winds, with some recovery of temperature in Ireland and Scotland, but was passing southwards and falling up at the close of the week and cold dry weather was again prevalent.

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 14th April* 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.		Weather.	Sea. (0 to 5.)	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 ...	30.32	28	1	0	6	30.31	-0.01	27	26	+5	NE	2	6	*	35	12	—
	Hernösand ...	30.36	27	2	0	6	30.35	-0.01	27	26	0	2	0	6	*	34	21	—
	Stockholm ...	30.17	35	NE	4	7	30.17	-0.03	27	26	0	ESE	4	0	*	45	30	0.12
	Wisby ...	30.00	37	E	4	7	30.03	+0.04	27	27	-1	E	4	7	*	43	26	0.01
	Bodö ...	30.32	40	2	0	6	30.30	-0.02	42	27	-1	E	2	6	1	43	34	—
	Christiansund	30.21	42	ESE	1	6	30.20	-0.01	29	28	-2	SE	1	6	1	50	36	—
	Skudesnaes ...	30.17	46	2	0	0	30.12	-0.05	40	29	0	ESE	1	0	1	54	41	—
	Christiania Fjord (Færd)	30.12	42	NNE	3	0	30.12	-0.07	27	26	-1	NNE	6	7	2	43	?	—
	Skagen (The Scaw)	30.04	39	NE	3	0	29.99	-0.05	28	27	+2	ESE	4	7	4	41	36	—
	Fanö ...	29.95	39	NE	4	C	29.94	-0.01	29	27	+3	NE	3	C	*	41	36	—
BRITISH ISLANDS.	Sumburgh Head	30.16	42	SE	1	C	30.16	-0.01	42	29	-1	2	0	0	2	46	35	—
	Sornoway ...	30.07	45	SE	4	0	30.12	+0.05	46	44	+3	2	3	6	3	46	40	0.01
	Wick ...	30.13	41	2	0	6	30.15	+0.02	43	42	0	2	2	6	1	49	36	—
	Nairn ...	30.06	44	SE	1	6	30.13	+0.07	39	37	-4	2	0	6	1	50	26	—
	Aberdeen ...	30.15	40	SE	2	6	30.17	+0.02	38	33	-2	SE	1	6	2	45	30	—
	Leith ...	30.11	44	SE	4	6	30.10	+0.01	43	40	+1	SE	1	6	*	48	28	—
	Shields ...	30.12	42	NE	2	6	30.15	+0.03	37	35	-2	WNW	2	C	3	46	31	—
	Spurn Head ...	30.08	43	N	3	6	30.09	+0.01	40	38	-1	WNW	4	0	3	45	36	—
	York ...	30.10	45	NE	1	C	30.10	+0.04	39	37	+1	N	1	C	*	47	28	—
	Loughborough	30.10	45	NE	2	C	30.15	+0.05	38	37	+1	N	2	6	*	50	32	—
GERMANY & HOLLAND.	Ardrossan ...	30.10	40	2	0	0	30.16	+0.06	40	39	-2	2	0	0	0	49	38	—
	Malin Head ...	30.05	44	W	1	0	30.14	+0.09	42	41	+3	SEW	2	0	1	45	39	—
	Mullaghmore ...	30.10	45	WNW	2	C	30.18	+0.08	45	43	+5	SEW	1	6	2	45	39	—
	Belmullet ...	30.10	49	WNW	2	6	30.18	+0.08	47	45	+2	SEW	1	6	*	50	36	0.05
	Donaghadee ...	30.10	43	WNW	2	7	30.18	+0.08	42	42	+2	WNW	1	6	0	49	40	0.01
	Liverpool (Bidston)	30.10	44	NNE	1	0	30.16	+0.06	43	40	+4	W	1	C	1	47	39	—
	Holyhead ...	30.09	45	2	0	0	30.17	+0.08	42	41	-1	E	1	0	1	48	41	0.05
	Parsonstown ...	30.07	46	2	0	C	30.20	+0.13	40	39	-1	2	0	6	*	48	30	0.01
	Valencia ...	30.14	50	WNW	2	6	30.24	+0.10	40	44	-2	2	0	6	1	52	37	0.01
	Roche's Point...	30.09	47	2	0	C	30.21	+0.12	45	42	0	WNW	2	6	3	50	40	0.02
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	30.10	44	WNW	2	0	30.15	+0.05	45	44	+4	WNW	2	C	2	46	41	—
	Scilly ...	30.05	45	ESE	4	0	30.16	+0.11	46	45	+2	WNW	4	C	5	46	41	—
	Prawle Point ...	30.08	42	E	3	C	30.19	+0.11	42	41	+2	W	2	0	1	43	35	0.01
	Jersey (St. Aubin's)	30.03	46	NNE	3	0	30.19	+0.16	43	40	0	N	2	0	2	47	36	0.02
	Hurst Castle ...	30.09	45	2	0	C	30.17	+0.08	41	41	-3	WNW	1	7	1	46	41	0.03
	Dungeness ...	30.06	42	NNE	2	6	30.12	+0.06	37	35	-6	NNE	3	6	2	46	29	—
	London ...	30.08	44	N	1	C	30.14	+0.06	42	38	+1	WNW	1	6	*	46	30	—
	Oxford ...	30.12	39	NNE	1	0	30.16	+0.04	42	40	+2	NE	1	6	*	46	30	—
	Cambridge ...	30.09	42	N	1	0	30.15	+0.06	40	39	+1	N	1	6	*	48	30	—
	Yarmouth ...	30.05	42	NNE	3	C	30.06	-0.01	41	40	+1	N	2	C	3	43	37	0.02
GERMANY & HOLLAND.	Cuxhaven ...	29.92	35	N	2	7	29.89	-0.03	38	38	+1	NNE	3	7	*	40	37	0.16
	Berlin ...	29.83	35	WNW	3	7	29.80	-0.03	35	38	+2	SW	1	0	*	41	36	0.28
	Wiesbaden ...	*	*	*	*	*	30.00	+0.01	40	38	-1	NW	2	0	*	40	37	—
	Munich ...	29.95	40	SE	1	0	29.99	+0.04	37	36	+1	E	2	7	*	45	34	—
	The Helder ...	30.01	39	WNW	2	0	30.01	-0.02	40	39	0	WNW	2	0	3	41	39	—
	Brussels (9 a.m.)	*	*	*	*	*	30.05	-0.01	37	37	-1	WNW	1	7	*	43	36	0.04
	Cape Gris Nez	30.04	42	NE	1	6	30.08	+0.04	39	37	0	N	4	C	4	50	37	—
	Paris ...	30.03	45	W	1	6	30.14	+0.11	37	35	-1	N	1	0	*	51	34	—
	Brest ...	29.95	44	SE	4	0	30.16	+0.21	43	42	-2	E	2	0	3	44	39	0.39
	Lorient ...	29.98	43	E	4	0	30.17	+0.19	43	40	-1	NE	2	0	5	48	41	0.12
FRANCE AND BELGIUM.	Rochefort ...	29.93	43	ESE	5	0	30.10	+0.17	45	43	-3	NE	3	0	*	50	34	0.49
	Belfort ...	29.93	43	N	2	6	?	?	44	?	0	N	1	6	*	56	34	—
	Lyons ...	29.97	44	N	2	6	30.08	-0.01	40	36	-1	WNW	2	6	*	48	35	—
	Nice ...	29.89	47	N	4	0	29.86	+0.03	46	42	0	NE	3	6	*	59	?	—
	Perpignan ...	29.95	47	E	1	7	30.03	-0.07	54	47	+7	NW	3	0	*	59	44	0.55
	Biarritz ...	29.97	54	NW	6	7	30.09	-0.02	51	48	+1	W	5	0	2	55	48	0.20
	Corunna ...	+	30.30	*	*	*	30.14	+0.16	50	50	-1	N	3	7	4	?	48	0.98
	Lisbon ...	30.30	57	WNW	4	6	30.28	-0.02	57	56	0	WNW	3	C	2	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, 14th April, 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

o = dead calm.

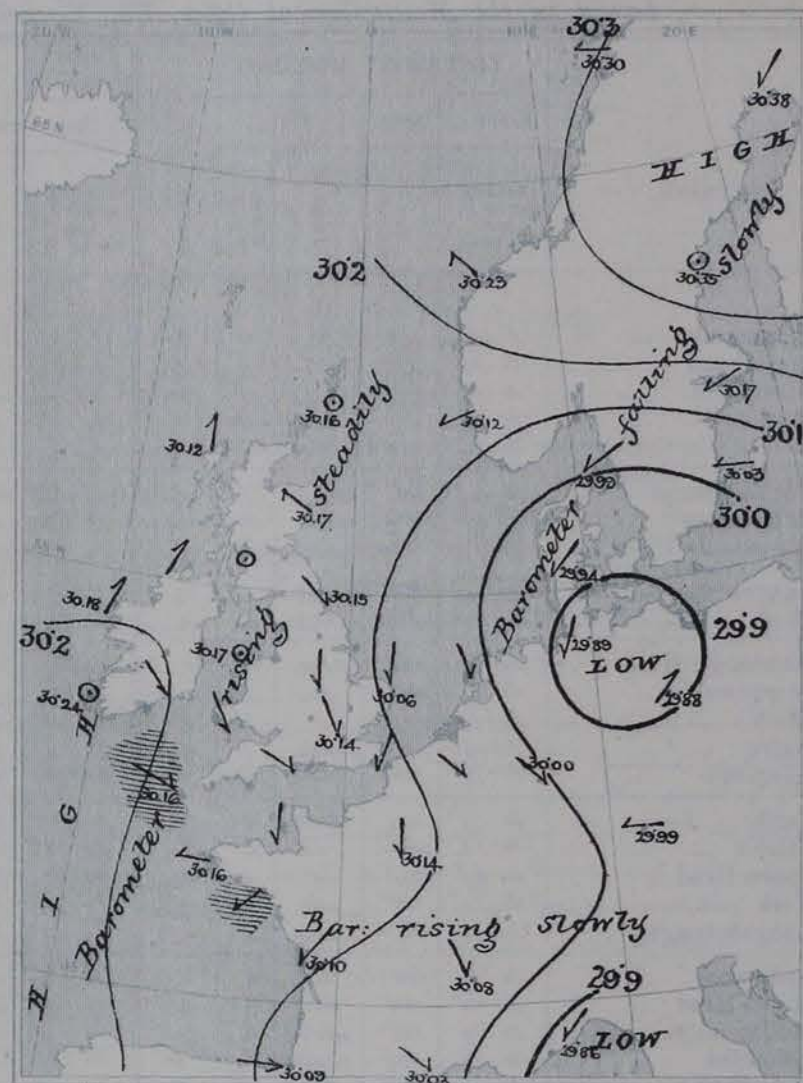
SEA DISTURBANCE—Where considerable, is shown thus—

— = Rough. — = High

MEAN HEIGHT OF THE BAROMETER

at 8.0 a.m. for the month of April
During the 29 Years 1871—1900.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.840
Stormway	29.824
Wick	29.848
Nairn	29.848
Aberdeen	29.858
Leith	29.863
Shields	29.860
Spurn Head	29.863
York	29.875
Loughborough	29.879
Ardrossan	29.887
Mullaghmore	29.888
Donaghadee	29.859
Holyhead	29.857
Liverpool	29.867
Parsonstown	29.861
Valencia	29.854
Roche's Point	29.851
Pembroke	29.852
Sally	29.856
Prawle Point	29.876
Jersey	29.872
Hurst Castle	29.871
Dover	29.861
LONDON	29.878
Oxford	29.884
Cambridge	29.889
Yarmouth	29.872



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.

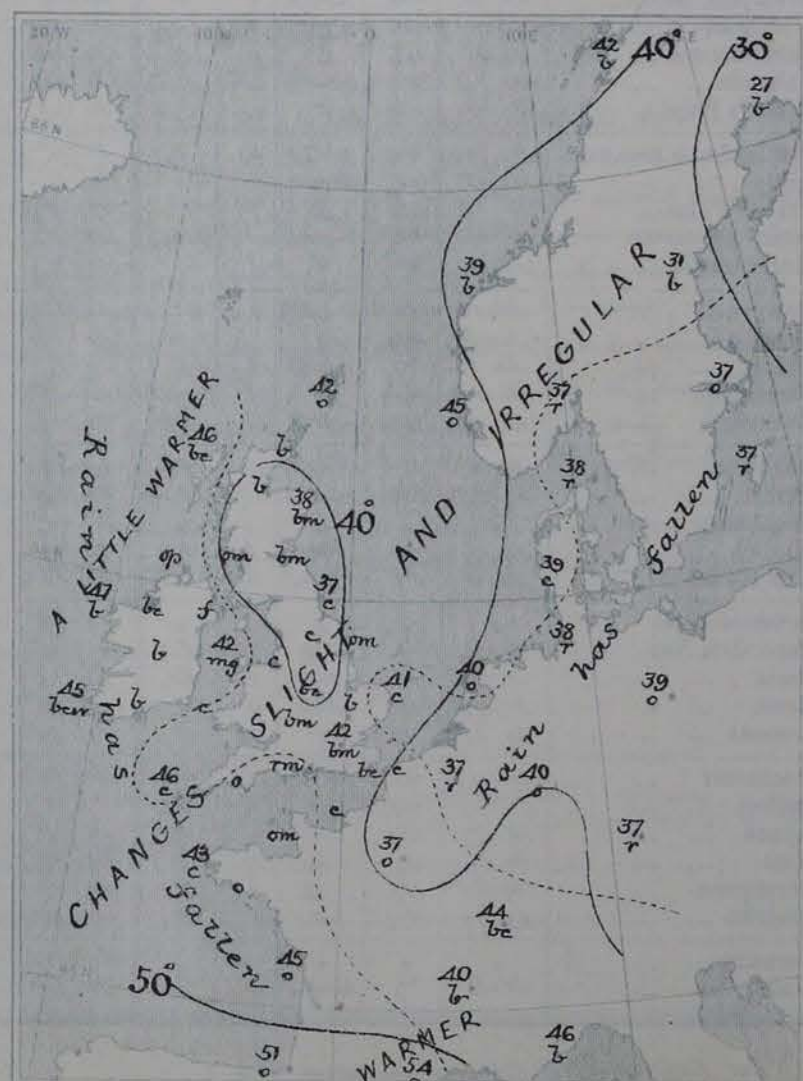
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of April)

STATIONS.	TEMPERATURE.				RAINFALL. (Inches)
	Daily Max.	Daily Min.	10 a.m.	Wind.	
Sumburgh Head	40.0	35.7	41.7	40.2	2.07
Stormway	48.0	37.2	41.8	42.3	2.65
Wick	48.0	36.0	43.1	41.2	1.68
Nairn	50.0	37.8	42.7	40.4	1.29
Aberdeen	49.5	38.0	41.2	40.7	2.16
Leith	52.0	37.0	41.1	41.7	1.57
Shields	49.0	38.0	40.5	41.4	1.80
Spurn Head	48.4	40.2	44.0	42.3	1.45
York	43.5	37.7	43.5	41.6	1.75
Loughborough	55.4	38.1	43.4	42.1	1.78
Ardrossan	51.5	39.5	44.4	42.1	2.14
Mullaghmore	51.2	42.3	45.8	43.0	2.05
Donaghadee	51.0	40.0	44.0	42.0	1.92
Holyhead	51.4	42.0	45.8	43.8	1.50
Liverpool	52.6	40.4	45.0	42.1	1.65
Parsonstown	54.0	38.0	45.0	42.5	2.01
Valencia	55.0	42.8	48.2	45.6	3.89
Roche's Point	53.7	42.1	45.8	43.5	3.24
Pembroke	50.4	41.0	48.2	43.4	1.94
Sally	52.1	41.7	48.0	45.6	2.27
Prawle Point	51.9	40.7	49.2	44.0	2.07
Jersey	54.2	43.5	48.5	45.9	2.08
Hurst Castle	52.1	41.0	45.5	44.2	1.83
Dover	51.1	41.5	48.3	44.0	1.77
LONDON	53.0	39.7	46.1	44.2	1.84
Oxford	51.9	38.0	44.4	43.1	1.78
Cambridge	55.8	37.3	46.2	43.0	1.89
Yarmouth	49.1	39.0	43.7	43.0	1.70

NOTE—The Temperature means are for the 29 years 1871-1900, the Rainfall means are only those for the 25 years 1865-89.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.3 in: and upwards, in an anticyclone lying over the north of Scandinavia; 30.2 in: and upwards, in another system extending from the Atlantic over the south of Ireland and the western parts of the Iberian Peninsula.
 Lowest, 29.9 in: and less, in a shallow depression lying over North Germany and also over the Gulf of Genoa.
 Gradients slight. Barometer rising at all but the Scandinavian and Danish stations.

TEMPERATURE

Highest, 57° at Lisbon, 54° at Copenhagen, 51° at Albany, 47° at Belmullet, and 40° at Scilly and Nice.
 Lowest, 27° at Haparanda, 31° at Helsingfors, and 37° at Stockholm, Næstved, Tveder, Skille, Dungeness, Paris, and Munich.
 Frost occurred last night over Great Britain; in London the thermometer fell to 30° in the screen and to 21° on the grass.

WIND

Light from the S^W in Scotland, and from the SW^W in the north of Ireland.
 Moderate from the E^W or NE^W in Scandinavia and Denmark.
 Light from the N^W or NW^W over the Netherlands, France, and the southern parts of the United Kingdom.

WEATHER

Fine over the greater part of our Islands and also in the north of Scandinavia and the south of France.
 Dull elsewhere, with rain in the south of Scandinavia and also at Copenhagen and Brussels.
 Showers fell yesterday at many of our western and southern stations, and heavy rain in some parts of France.

SEA

Smooth generally, but rather rough at the mouth of the Channel.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The anticyclone over Scandinavia appears to be gradually breaking up, while the new one to the southward of our Islands is extending eastwards. Fair weather seems likely to continue over the greater part of the United Kingdom, but there are some indications of the advance of depressions towards our extreme northwestern and northern coasts.

FORECASTS

For the 24 hours ending at NOON on 15TH APRIL 1891.

DISTRICTS.

FORECASTS.

0	SCOTLAND NORTH	} Light breezes, chiefly S ^W ; fair generally
1	SCOTLAND EAST	
2	ENGLAND N.E.	Light Variable breezes; fair generally.
3	ENGLAND EAST	} N ^W winds, light; fair generally.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	

DISTRICTS.

FORECASTS.

6	SCOTLAND WEST	} Variable breezes, finally SW ^W ; fair generally.
7	ENGLAND N.W.	
8	ENGLAND S.W.	NW ^W winds, light; fair generally.
9	IRELAND NORTH	SW ^W winds, light or moderate; fair to dull and some rain.
10	IRELAND SOUTH	Same as No 8.

WARNINGS

NONE ISSUED.

For 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 West 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.		BAR:	D.	W.	D.	F.	WEA.	SEA.		BAR:	D.	W.	D.	F.	WEA.	SEA.
Skudesnaes ...	30.15	53	42	ENE	4	C	2	Holyhead ...	30.06	47	41	SW	1	smg	1		30.06	47	41	SW	1	smg	1		30.06	47	41	SW	1	smg	1
Sumburgh Head ...	30.16	45	42	SE	2	C	3	Valencia ...	30.09	52	45	N	4	6	4		30.09	52	45	N	4	6	4		30.09	52	45	N	4	6	4
Stornoway ...	30.04	45	44	S	5	P	9	Scilly ...	29.96	46	44	ENE	6	0	6		29.96	46	44	ENE	6	0	6		29.96	46	44	ENE	6	0	6
Aberdeen ...	30.14	45	37	ENE	2	C	3	Jersey ...	30.01	44	42	SE	4	0m	3		30.01	44	42	SE	4	0m	3		30.01	44	42	SE	4	0m	3
Shields ...	30.11	45	41	E	3	C	3	Dungeness ...	30.07	44	39	NNE	4	C	2		30.07	44	39	NNE	4	C	2		30.07	44	39	NNE	4	C	2
Ardrossan ...	30.08	45	46	E	0	0	0	London ...	30.06	45	41	E	2	0m	8		30.06	45	41	E	2	0m	8		30.06	45	41	E	2	0m	8
Malin Head ...	30.02	43	41	S	2	0	1	Yarmouth ...	30.05	43	41	NNE	3	C2	4		30.05	43	41	NNE	3	C2	4		30.05	43	41	NNE	3	C2	4
Mullaghmore ...	30.03	45	42	NE	1	0	3	Rochefort ...	29.97	43	41	SE	4	7	?		29.97	43	41	SE	4	7	?		29.97	43	41	SE	4	7	?
Belmullet ...	30.01	50	43	N	1	C	*																								

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

Weather fine and bright over Northern Europe and Scotland, fair over the eastern half of England and in some parts of France, cloudy or overcast elsewhere, unsettled and showery over our southwestern and northwestern coasts. Showers during the day over Ireland, the mouth of the Channel, and Brittany, and a considerable fall of rain in the southwest of France; rain over the Baltic and North Germany also.

Temperature continuing low generally, for time of year over northwestern, western, and southern Europe, with a tendency to fall still lower over the British Isles. Morning readings below 60° everywhere; exceeding 50° at a number of the Mediterranean and Spanish stations only, and exceeding 40° in the western and southern parts of our Islands, on the French coast and in southern Russia; much lower elsewhere. Lowest 22° at Haparanda, 24° at Archangel, 27° at Kuopio, 31° at Hemö, and 34° at Le Mans, and 38° at York, Paris, and Brussels. Touching 50° at a few British stations later and rising to 59° in the south of France and at Lisbon; succeeding night very cold.

Wind variable; three distinct cyclonic circulations observed — one over the Baltic and Germany, another over the northern parts of the Mediterranean, the southeast of France, and northern Italy, and a third over the southwestern and southern parts of the British Isles, Brittany, the Bay of Biscay and Spain. Strong in a few places, but moderate elsewhere. Variable air reported — especially over central and southern Russia. Variable air becoming prevalent over the British Isles later.

Barometer highest (1) 30.4 ins. and more to 30.1 ins. in an anticyclone over northern Europe and a "col" extending thence to the northeastern parts of Great Britain; (2) 30.3 ins. and more to 30.1 ins. in another system over Spain and the southwest of France; (3) apparently exceeding 30.0 ins. over the Balkan Peninsula. Lowest, about 29.7 ins. in a depression over North Germany, 29.8 ins. and less, in another off the mouth of the English Channel, and 29.9 ins. and less, over the Gulf of Genoa and Corica. Depression near Scilly moving southwards later, and barometer rising decidedly over Ireland.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

* AN ASTERISK is inserted in all places for which information is not usually received. 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, 15th April, 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.	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 ...	30.30	31	Z	0	b	30.24	-1.1	28	27	+1	N	2	b	*	43	19	-
	Hernösand ...	30.32	29	Z	0	b	30.26	-0.9	30	28	-1	Z	0	b	*	52	19	-
	Stockholm ...	30.19	31	ESE	4	0	30.18	+0.1	36	35	-1	ESE	2	0	*	43	32	-
	Wisby ...	30.10	37	E	4	c	30.09	+0.6	40	39	+3	SE	4	0	*	41	34	-
	Bodö ...	30.23	42	E	2	b	30.17	-1.3	41	35	-1	ESE	2	b	1	48	30	-
	Christiansund	30.15	43	ESE	4	b	30.11	-1.2	43	41	+4	SE	2	b	2	50	?	-
	Skudesnaes ...	30.14	44	Z	0	0	30.10	-0.2	45	41	0	NW	2	0	1	52	39	-
	Christiania Fjord (Færd)	30.13	40	NNE	3	r	30.11	-0.1	38	37	+1	NE	5	0	2	41	37	0.12
	Skagen (The Scaw)	30.04	38	E	2	0	30.05	+0.6	39	37	+1	E	1	0	1	46	37	-
	Fanö ...	29.99	38	N	2	c	29.99	+0.5	39	38	0	N	2	0	*	43	37	-
BRITISH ISLANDS.	Sumburgh Head	30.13	44	Z	0	b	29.99	-1.7	43	41	+1	SSE	3	b	3	48	35	-
	Stornoway ...	30.09	47	Z	0	c	30.00	-1.2	41	40	-5	W	4	c	4	49	38	0.05
	Wick ...	30.02	43	S	2	b	29.98	-1.7	41	40	-2	S	3	r	2	50	37	0.03
	Nairn ...	30.10	44	Z	0	c	30.02	-1.1	43	41	+4	SW	1	bc	1	51	30	0.01
	Aberdeen ...	30.14	42	SSE	2	b	30.05	-1.2	45	41	+7	SSW	1	b	1	48	31	-
	Leith ...	30.12	46	SE	1	c	30.10	-0.8	43	41	0	WSW	1	cm	*	50	32	-
	Shields ...	30.16	44	NNE	3	c	30.12	-0.3	40	39	+3	WNW	3	b	3	45	33	-
	Spurn Head ...	30.12	42	N	3	0	30.14	+0.5	41	40	+1	WNW	2	cm	3	43	39	-
	York ...	30.15	46	NNE	1	c	30.16	+0.1	41	39	+2	NW	1	b	*	49	33	-
	Loughborough	30.15	47	NE	2	0	30.18	+0.3	43	41	+5	WNW	2	cm	*	52	38	-
GERMANY & HOLLAND.	Ardrossan ...	30.14	47	WNW	1	0	30.13	-0.3	45	45	+5	NW	1	c	1	50	35	-
	Malin Head ...	30.12	49	WNW	1	bc	30.15	+0.1	45	43	+3	NW	3	op	2	50	41	0.01
	Mullaghmore ...	30.18	49	SW	2	cv	30.21	+0.3	47	45	+2	WNW	3	cm	2	50	44	0.02
	Belmullet ...	30.18	50	SW	2	0	30.25	+0.7	48	44	+1	WNW	2	0	*	52	44	0.05
	Donaghadee ...	30.17	47	WSW	2	c	30.17	-0.1	48	46	+6	N	3	c	1	48	40	-
	Liverpool (Bidston)	30.17	44	WNW	2	bc	30.19	+0.3	45	43	+2	WSW	2	0	3	49	39	-
	Holyhead ...	30.18	44	Z	0	b	30.20	+0.3	45	44	+3	WNW	2	agp	1	48	41	0.01
	Parsonstown ...	30.19	48	Z	0	c	30.25	+0.5	46	45	+6	Z	0	*	53	39	-	
	Valencia ...	30.26	51	WNW	2	cv	30.33	+0.9	50	48	+5	WNW	1	c	2	53	43	0.11
	Roche's Point...	30.24	50	WNW	1	c	30.27	+0.6	49	46	+4	NW	3	b	3	52	41	-
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	30.20	45	NW	3	bc	30.24	+0.9	45	44	0	WNW	2	bc	1	50	42	-
	Scilly ...	30.25	48	WNW	4	bc	30.26	+0.10	48	46	+2	WNW	4	bc	4	51	44	-
	Prawle Point ...	30.17	47	W	1	bc	30.26	+0.7	49	46	+7	WNW	2	bp	1	53	38	0.02
	Jersey (St. Aubin's)	30.20	47	WNW	3	cm	30.25	+0.6	47	45	+4	NW	3	cm	3	50	41	-
	Hurst Castle ...	30.16	45	WSW	2	cm	30.23	+0.6	42	41	+1	WNW	1	cm	1	47	39	0.01
	Dungeness ...	30.12	46	N	3	0	30.18	+0.6	41	40	+4	N	2	0	1	47	35	-
	London ...	30.13	47	N	1	c	30.20	+0.6	43	40	+1	WSW	1	0	*	51	39	-
	Oxford ...	30.17	45	WNW	1	0	30.21	+0.5	42	40	0	WSW	1	c	*	52	38	-
	Cambridge ...	30.15	44	N	1	0	30.20	+0.5	43	41	+3	N	1	0	*	52	35	-
	Yarmouth ...	30.09	42	N	3	cq	30.14	+0.8	42	41	+1	WNW	2	cm	3	43	38	0.03
PENINSULA.	Cuxhaven ...	29.95	40	WNW	3	0	29.99	+1.0	40	39	+2	NW	3	0	*	41	38	0.08
	Berlin ...	29.95	41	SW	3	0	30.02	+1.4	41	40	+2	WSW	2	0	*	45	37	0.16
	Wiesbaden ...	*	*	*	*	*	30.10	+1.0	43	40	+3	N	1	0	*	46	39	-
	Munich ...	30.03	38	SW	3	0	?	?	38	36	+1	SW	4	c	*	45	32	0.04
	The Helder ...	30.06	40	WNW	1	0	30.08	+0.7	40	39	0	WNW	2	0	3	41	39	-
	Brussels (8 a.m.)	*	*	*	*	*	30.15	+1.0	38	37	+1	NW	2	r	*	44	37	0.04
	Cape Gris Nez	30.10	42	Z	0	0	30.15	+0.7	41	39	+2	NW	3	0	2	48	37	-
	Paris ...	30.14	47	N	2	c	30.21	+0.7	41	40	+4	NW	1	c	*	49	37	-
	Brest ...	30.27	49	N	3	b	30.27	+1.1	46	44	+3	N	2	c	2	52	43	-
	Lorient ...	30.20	49	WNW	2	0	30.30	+1.3	44	41	+1	NW	3	bc	3	55	43	-
FRANCE AND BELGIUM.	Rochefort ...	30.17	50	NW	4	0	30.26	+1.6	42	41	-3	N	3	b	*	57	34	-
	Belfort ...	?	42	W	1	c	?	?	42	?	-2	W	1	0	*	57	35	-
	Lyons ...	30.11	44	N	2	s	30.21	+1.3	39	36	-1	N	1	0	*	50	36	-
	Nice ...	29.87	49	NE	2	bc	29.90	+0.4	43	43	+2	ESE	2	bc	1	50	32	-
	Perpignan ...	30.05	54	N	4	c	30.17	+1.4	48	41	-6	NW	3	b	*	57	45	-
	Biarritz ...	30.15	51	NW	1	r	30.26	+1.7	48	44	-3	SE	1	0	2	57	45	0.04

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, 15th April, 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

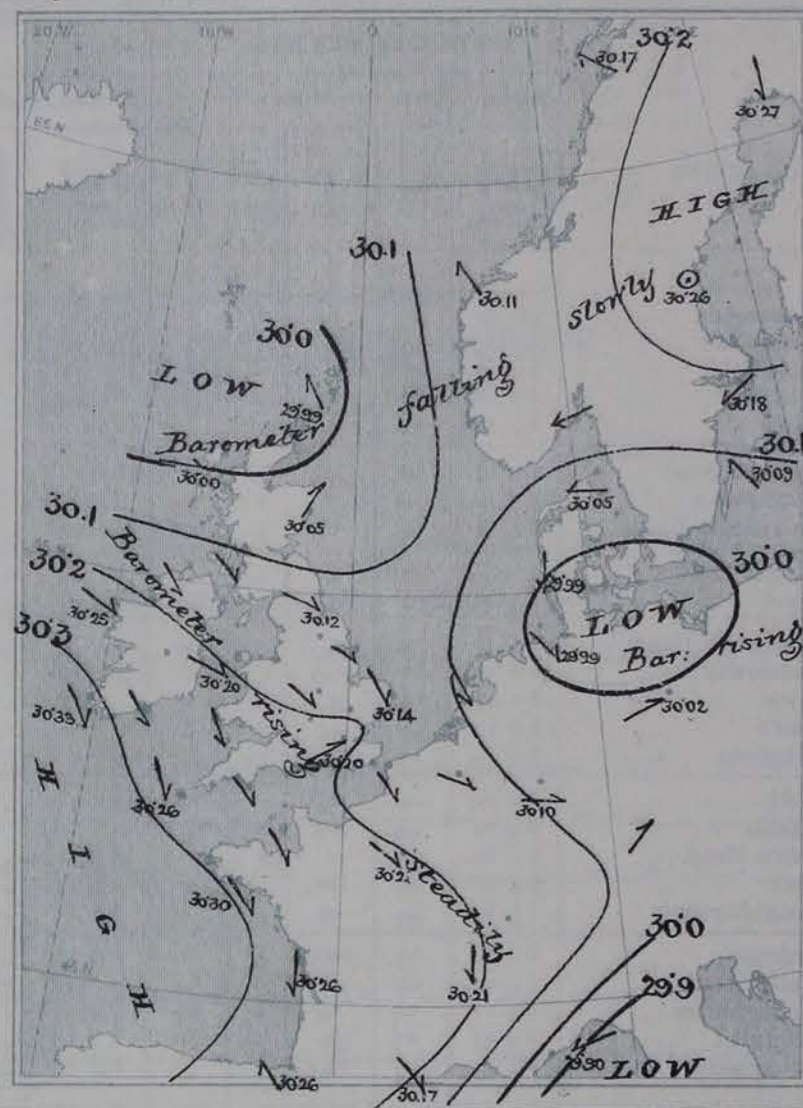
at 8.0 a.m. for the month of April

During the 29 Years: 1871—1890.

STATIONS.

MEAN READINGS.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.840
Stornoway	29.824
Wick	29.818
Nairn	29.818
Aberdeen	29.858
Leith	29.863
Shields	29.866
Spurn Head	29.863
York	29.875
Loughborough	29.879
Ardrossan	29.857
Mullaghmore	29.839
Donaghadee	29.859
Holyhead	29.857
Liverpool	29.867
Parsonstown	29.861
Valencia	29.851
Roche's Point	29.851
Pembroke	29.852
Seilly	29.850
Prawle Point	29.876
Jersey	29.872
Hurst Castle	29.871
Dover	29.864
LONDON	29.878
Oxford	29.884
Cambridge	29.889
Yarmouth	29.872



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.

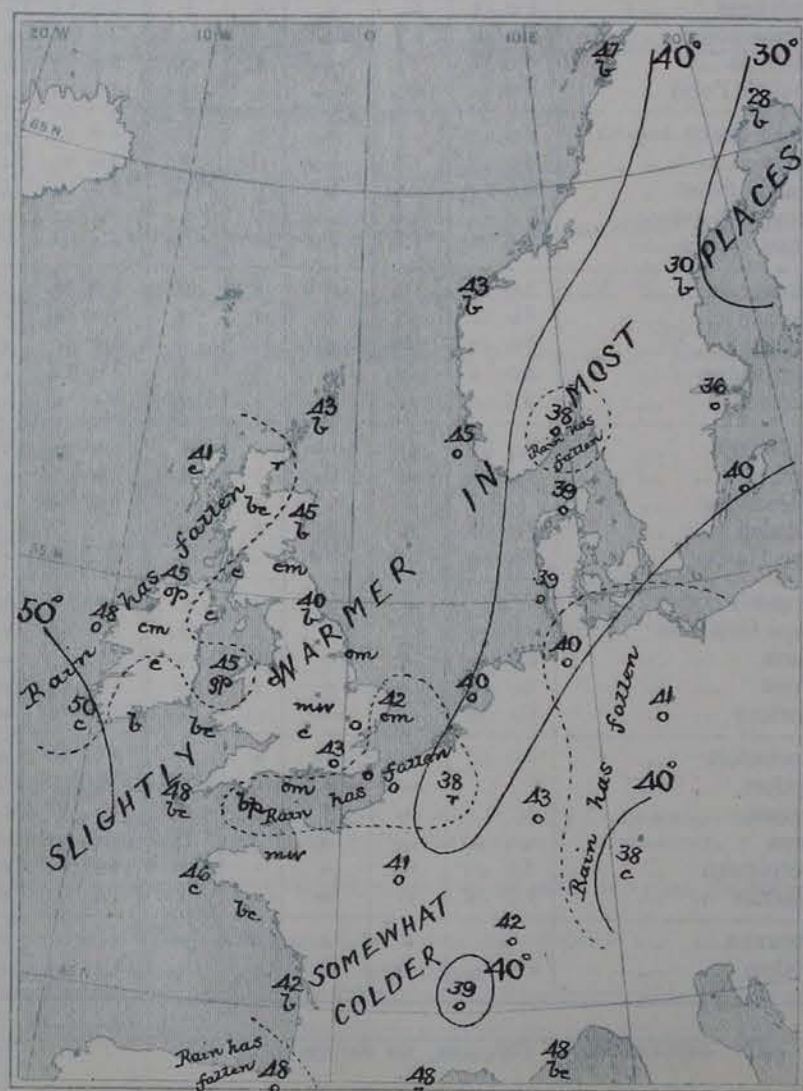
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of April.)

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	10° S.H.	10° W.	
Sumburgh Head	40.0	36.7	41.7	40.2	2.07
Stornoway	48.9	37.2	43.8	42.3	2.65
Wick	48.9	36.9	43.1	41.2	1.68
Nairn	50.9	37.3	42.7	40.4	1.20
Aberdeen	49.3	38.0	43.2	40.7	2.16
Leith	52.0	37.9	44.1	41.7	1.57
Shields	49.0	38.6	43.5	41.4	1.80
Spurn Head	48.4	40.3	44.0	42.3	1.45
York	48.5	37.7	43.8	41.6	1.75
Loughborough	50.1	38.1	44.4	42.1	1.78
Ardrossan	51.5	39.5	44.1	42.1	2.14
Mullaghmore	51.9	42.3	45.3	43.0	2.05
Donaghadee	51.0	40.0	44.6	42.9	1.92
Holyhead	51.4	42.0	45.8	43.8	1.90
Liverpool	52.6	40.4	45.0	42.1	1.56
Parsonstown	54.6	38.0	45.0	42.5	2.04
Valencia	53.0	42.8	48.2	45.6	3.83
Roche's Point	53.7	42.1	46.8	44.6	3.24
Pembroke	50.4	41.9	45.2	43.4	1.94
Seilly	52.1	41.7	48.6	46.6	2.27
Prawle Point	51.9	40.7	46.2	44.6	2.07
Jersey	54.2	43.5	48.5	45.9	2.08
Hurst Castle	52.1	41.0	45.5	44.2	1.83
Dover	51.1	41.5	45.3	44.0	1.77
LONDON	56.9	39.7	46.1	43.4	1.81
Oxford	51.0	38.9	44.4	42.1	1.78
Cambridge	55.8	37.3	45.2	43.0	1.69
Yarmouth	49.1	39.9	44.7	43.0	1.70

NOTE.—The Temperature means are for the 29 years 1871-90, the Rainfall means are mainly those for the 25 years 1865-90.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.3 ins. and upwards in an anticyclone extending from the Atlantic over the Bay of Biscay and the extreme southwest of Ireland, 30.2 ins. and upwards in Sweden.

Lowest 29.9 ins. and less in a depression lying over the Gulf of Genoa; 30.0 ins. and less in two other disturbances lying respectively over Denmark and off the north of Scotland.

Gradients slight. Barometer falling a little in Scandinavia and Scotland but rising elsewhere.

TEMPERATURE

Highest 56° at Lisbon, 50° at Valencia Island, 49° at Rock's Point, and 48° at Belmullet, Donaghadee, Lillilly, Biarritz, Nice and Perpignan.

Lowest 38° at Haparanda, 30° at Herrösand, 36° at Stockholm, 38° at Faerder and Munich, and 39° at Skagen, Fano and Lyons.

During yesterday the thermometer rose a little above 50° in many parts of the United Kingdom.

WIND

Light from the SWnd or Snd in the north and east of Scotland, and from the SEnd in the west of Norway.

NW^{ly} over England, Ireland, France and the Netherlands, and W^{ly} or SW^{ly} in Germany.

E^{ly} or NE^{ly} over Denmark and the south of Scandinavia.

WEATHER

Fair over the greater part of Western Europe, but showery at a few of our own western and northern stations. A solar halo was visible at Mullaghmore.

Dull over Denmark, Germany, the Netherlands and the south of Scandinavia, with rain at Brussels.

A little rain fell yesterday in Germany and the south of Norway.

SEA

Slight or smooth on nearly all coasts.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

There are at present no indications of any important change in the weather, but some increase of temperature is probable in most districts.

FORECASTS

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

DISTRICTS.

FORECASTS.

0 SCOTLAND
NORTH

SW^{ly} and W^{ly} winds, moderate or fresh; changeable, some rain.

1 SCOTLAND
EAST

2 ENGLAND
N.E.

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

3 ENGLAND
EAST

4 MIDLAND
COUNTIES

NW^{ly} and W^{ly} winds, light; fair generally.

5 ENGLAND
SOUTH

DISTRICTS.

FORECASTS.

6 SCOTLAND
WEST

7 ENGLAND
N.W.

8 ENGLAND
S.W.

9 IRELAND
NORTH

10 IRELAND
SOUTH

W^{ly} and NW^{ly} winds, light or moderate; fair generally, but local showers.

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

Same as No. 6. and 7.

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 ...	30.12	51	41	ESE	2	0	2	Holyhead ...	30.19	48	44	N	2	0	1
Sumburgh Head ...	30.15	45	42	W	0	0	2	Valencia ...	30.26	53	48	W	3	bcv	3
Stornoway ...	30.12	44	44	SW	2	7	2	Scilly ...	30.21	51	47	WNW	4	bc	5
Aberdeen ...	30.15	47	42	ESE	2	6	2	Jersey ...	30.21	49	44	WNW	3	c	3
Shields ...	30.16	43	40	NNE	3	2	3	Dungeness ...	30.12	47	41	N	4	c	2
Ardrossan ...	30.15	50	47	SW	1	6	1	London ...	30.14	47	42	NW	1	0	8
Malin Head ...	30.14	48	46	WNW	1	6	1	Yarmouth ...	30.07	43	42	NNE	4	c/pv	3
Mullaghmore ...	30.19	50	45	W	2	bcv	2	Rochefort ...	30.14	54	50	NW	3	bc	2
Belmullet ...	30.19	51	46	NSW	2	c	*								

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

Weather fine and bright over Finland, Scandinavia, Scotland and Ireland, fair as a whole over England and the west of France, overcast and unsettled elsewhere, with rain over many parts of central Russia, the Baltic Provinces, the Netherlands, the English Channel, south Germany, the Mediterranean and Spain. Rain later over central Europe and the Netherlands, slight showers on our extreme north and northwest coasts, hail at Prawle Point.

Temperature changing little and irregularly. Morning readings exceeding 50° on the western, southern and eastern shores of the Mediterranean and over the Iberian Peninsula (exceeding 60° at Algiers and Gran), and exceeding 40° over the south and west of France, the greater part of our Islands, North Germany and Norway. Lowest 27° to 33° over Finland and the northern parts of Russia and Sweden, 16° at Moscow, 37° at Shields and Brussels, 38° at Loughborough, Breslau and Warsaw. Rising to 50° or a little higher at many of our own stations later to 57° in the west and southwest of France, and to 66° at Lisbon.

Wind. Light from between N. and E. over the whole of northern Europe, the Baltic and the eastern and southern sides of the North Sea, as well as over France, the Bay of Biscay and Spain; NW²⁴ over the Gulf of Lyons, W² to SW² over Algeria. Very variable elsewhere, but mainly SW²⁴ on the extreme north and northwest coasts of the British Islands. Cyclonic circulation of light winds over Italy. No important change later.

Barometer highest 30.3 ins. and more to 30.2 ins. over Scandinavia and also over the Spanish peninsula, the Bay of Biscay and southwestern parts of Ireland; exceeding 30.1 ins. in a Col uniting these areas and lying over our Islands. Lowest 29.8 ins. and less in a depression over the Adriatic, 29.9 ins. and less in another over northwest Germany and Holstein; rather low over the whole of central and southeastern Europe. No important change over northwestern Europe 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, 16th April, 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.			
	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.	Amount of Rainfall.	
SCANDINAVIA.	Haparanda ...	30.17	29	Z	0	b	30.16	- .11	36	?	+ 8	Z	0	b	•	48	18	-
	Hernösand ...	30.19	29	Z	0	b	30.15	- .11	31	30	+ 1	Z	0	o	•	54	16	-
	Stockholm ...	30.15	35	ESE	2	o	30.03	- .15	38	37	+ 2	E	2	o	•	41	34	-
	Wisby ...	30.05	35	E	4	e	29.96	- .13	37	36	- 3	SE	4	†	•	43	32	0.24
	Bodö ...	30.10	44	E	1	b	30.06	- .11	41	34	0	E	2	b	1	46	34	-
	Christiansund	30.02	44	ENE	2	c	29.95	- .16	42	34	- 1	Z	0	b	1	48	41	-
	Skudesnaes ...	30.04	40	SSW	2	†	29.89	- .21	37	36	- 8	SE	4	†	3	36	0.24	-
	Christiania Fjord (Færdor)	30.09	38	NNE	3	o	29.97	- .14	37	37	- 1	NNE	3	†	2	39	37	-
	Skagen (The Scaw)	30.01	39	NE	1	o	29.92	- .13	39	38	0	SE	1	o	0	41	37	0.08
	Fanö ...	30.01	38	WNW	4	c	29.99	- .00	39	39	0	WNW	2	c	*	43	37	-
BRITISH ISLANDS.	Sumburgh Head	29.88	44	SSE	2	c	29.77	- .22	37	36	- 6	Z	0	†	2	46	34	0.20
	Stornoway ...	29.49	44	W	4	†	29.91	- .09	45	42	+ 4	NW	6	bc	5	48	36	0.06
	Wick ...	29.96	44	W	3	c	29.80	- .18	41	39	0	W	3	bc p	2	49	33	0.18
	Nairn ...	30.00	47	WNW	1	bc	29.87	- .15	41	40	- 2	W	2	bc	2	62	37	0.04
	Aberdeen ...	30.03	44	WNW	1	c	29.87	- .18	43	39	- 2	W	2	cp	2	52	37	0.02
	Leith ...	30.07	48	SW	4	o	29.90	- .20	47	45	+ 4	W	2	c	*	56	41	-
	Shields ...	30.06	48	NW	4	c	29.97	- .15	47	44	+ 7	W	4	c	2	53	37	-
	Spurn Head ...	30.09	49	N	1	cp	30.03	- .11	47	45	+ 6	W	4	cm	3	50	40	0.01
	York ...	30.12	48	W	2	c	30.06	- .10	49	46	+ 8	W	3	c	*	55	38	0.07
	Loughborough	30.17	50	WNW	3	bc	30.16	- .02	47	44	+ 4	WNW	3	o	*	56	42	0.06
GERMANY & HOLLAND.	Ardrossan ...	30.12	47	WSW	2	o	29.99	- .14	46	47	+ 3	W	4	o	3	53	36	0.13
	Malin Head ...	30.13	46	W	4	o	30.07	- .08	46	45	+ 1	WNW	4	op	3	51	45	0.01
	Mullaghmore ...	30.24	46	WSW	4	c	30.20	- .01	48	46	+ 1	W	5	e	3	51	46	-
	Belmullet ...	30.28	49	W	2	o	30.25	• 00	49	47	+ 1	WNW	2	o	*	52	46	0.06
	Donaghadee ...	30.18	50	WNW	3	c	30.11	- .06	48	47	0	WNW	4	c	2	56	45	0.02
	Liverpool (Bidston)	30.19	46	W	3	bc	30.13	- .06	47	45	+ 2	W	5	o	2	50	44	0.04
	Holyhead ...	30.22	49	W	3	cp	30.19	- .01	49	47	+ 4	WNW	4	c	3	53	45	0.01
	Parsonstown ...	30.28	51	Z	0	c	30.27	+ .02	48	46	+ 2	SE	1	o	*	56	43	-
	Valencia ...	30.37	52	WNW	2	bc	30.36	+ .03	51	48	+ 1	NW	2	c	2	55	45	-
	Roche's Point...	30.31	52	WNW	3	b	30.32	+ .05	48	45	- 1	NW	3	b	3	54	43	-
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	30.26	47	WNW	3	b	30.27	+ .03	46	45	+ 1	WNW	3	c	2	50	44	-
	Scilly ...	30.30	49	NW	4	bc	30.33	+ .07	48	46	0	WNW	4	bc	4	52	45	0.01
	Prawle Point ...	30.26	50	WNW	3	b	30.29	+ .03	50	47	+ 1	WNW	2	b	1	55	41	-
	Jersey (St. Aubin's)	30.28	50	WNW	3	b	30.32	+ .07	48	47	+ 1	W	3	bc p	3	53	43	-
	Hurst Castle ...	30.22	47	WSW	3	bc p	30.25	+ .02	45	44	+ 3	W	2	bc	2	51	40	0.02
	Dungeness ...	30.16	45	SW	3	m	30.21	+ .03	45	43	+ 4	W	2	c	2	47	37	-
	London ...	30.19	51	WSW	1	bc	30.20	• 00	49	44	+ 6	SW	2	bc	*	56	41	-
	Oxford ...	30.22	45	WSW	2	b	30.21	• 00	44	42	+ 2	WSW	2	o	*	56	39	0.08
	Cambridge ...	30.16	47	N	1	o	30.15	- .05	48	46	+ 5	W	2	b	*	58	38	0.06
	Yarmouth ...	30.13	45	SE	1	c	30.11	- .03	45	44	+ 3	WNW	3	bc m	2	45	39	-
PENINSULA.	Cuxhaven ...	30.03	40	WNW	3	bc	30.07	+ .08	40	39	0	W	2	c	*	42	39	-
	Berlin ...	30.05	44	W	3	c	30.10	+ .08	41	39	0	WNW	4	o	*	46	39	-
	Wiesbaden ...	*	*	*	*	*	30.20	+ .10	43	40	0	NW	1	bc	*	46	39	-
	Munich ...	30.16	40	SW	2	o	30.21	?	38	37	0	W	4	†	*	43	36	0.04
	The Helder ...	30.15	41	WNW	1	c	30.07	- .01	42	41	+ 2	W	2	c	3	43	36	-
	Brussels (9 a.m.)	*	*	*	*	*	30.18	+ .03	43	42	+ 5	WSW	3	c	*	45	36	0.04
	Cape Gris Nez	30.18	44	W	3	o	30.19	+ .04	44	42	+ 3	W	3	c	2	48	39	-
	Paris ...	30.23	46	NE	1	o	30.28	+ .07	41	39	0	SW	1	c	*	52	36	0.04
	Brest ...	30.36	51	N	2	b	30.37	+ .10	47	46	+ 1	NW	1	b	2	52	43	-
	Lorient ...	30.31	51	NW	3	c	30.35	+ .05	41	40	- 3	Z	0	bc	2	52	41	0.04
PENINSULA.	Rocheport ...	30.27	50	NW	5	c	30.35	+ .04	41	40	- 1	NE	2	b	3	54	32	0.04
	Belfort ...	?	41	W	2	b	?	?	44	?	+ 2	W	2	c	*	50	38	-
	Lyons ...	30.20	43	NNE	1	o	30.30	+ .09	41	38	+ 2	N	2	o	*	47	38	-
	Nice ...	29.97	48	W	2	bc	30.05	+ .15	48	42	0	ENE	3	b	0	39	41	-
	Perpignan ...	30.19	50	NW	3	c	30.27	+ .10	49	43	+ 1	NW	4	o	*	56	45	-
	Biarritz ...	30.31	52	N	5	b	30.35	+ .09	46	44	- 2	S	2	†	2	57	43	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 Thursday, 16th April, 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.

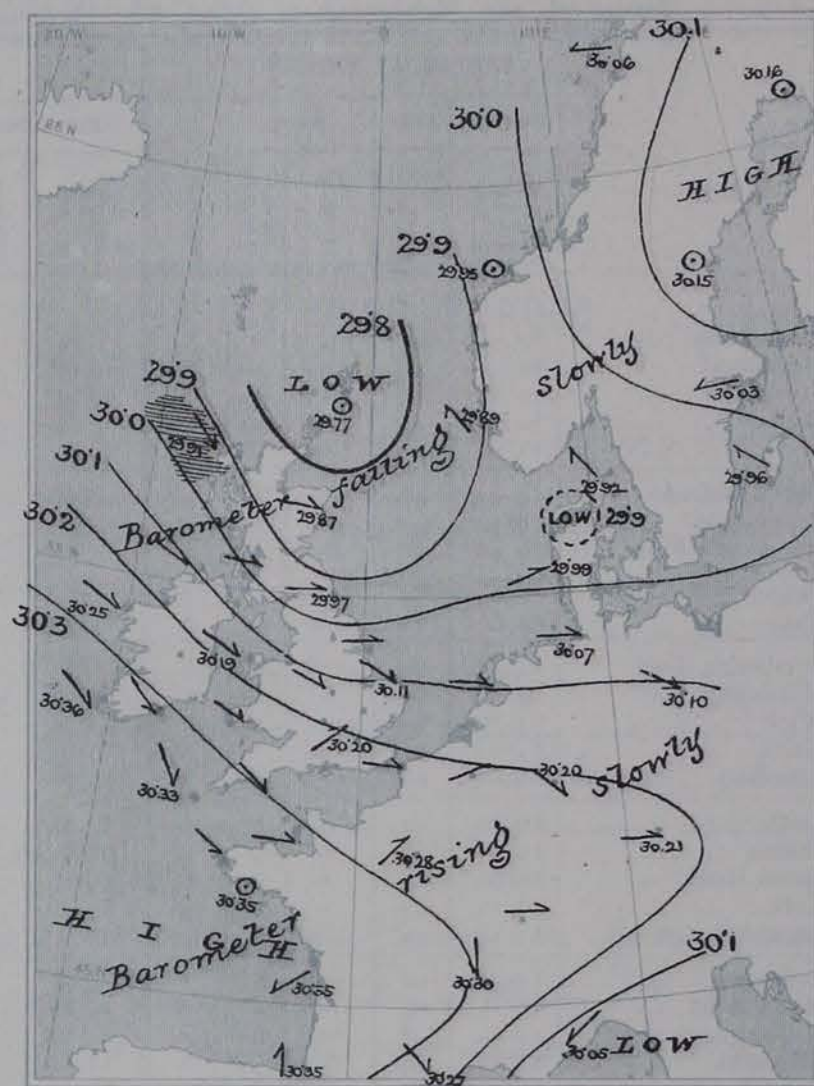
SEA DISTURBANCE—Where considerable, is shown thus:

— = Rough. — = High.

MEAN HEIGHT OF THE BAROMETER

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

STATIONS.	MEAN READINGS.
Sumburgh Head	29.840
Stornoway	29.824
Wick	29.818
Nairn	29.818
Aberdeen	29.858
Leith	29.863
Shields	29.866
Spurn Head	29.863
York	29.875
Loughborough	29.879
Ardrossan	29.857
Mullaghmore	29.839
Donaghadee	29.830
Holyhead	29.837
Liverpool	29.867
Parsonstown	29.864
Valencia	29.851
Roche's Point	29.851
Pembroke	29.852
Scilly	29.836
Prawle Point	29.876
Jersey	29.872
Hurst Castle	29.871
Dover	29.861
LONDON	29.878
Oxford	29.881
Cambridge	29.880
Yarmouth	29.872



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.

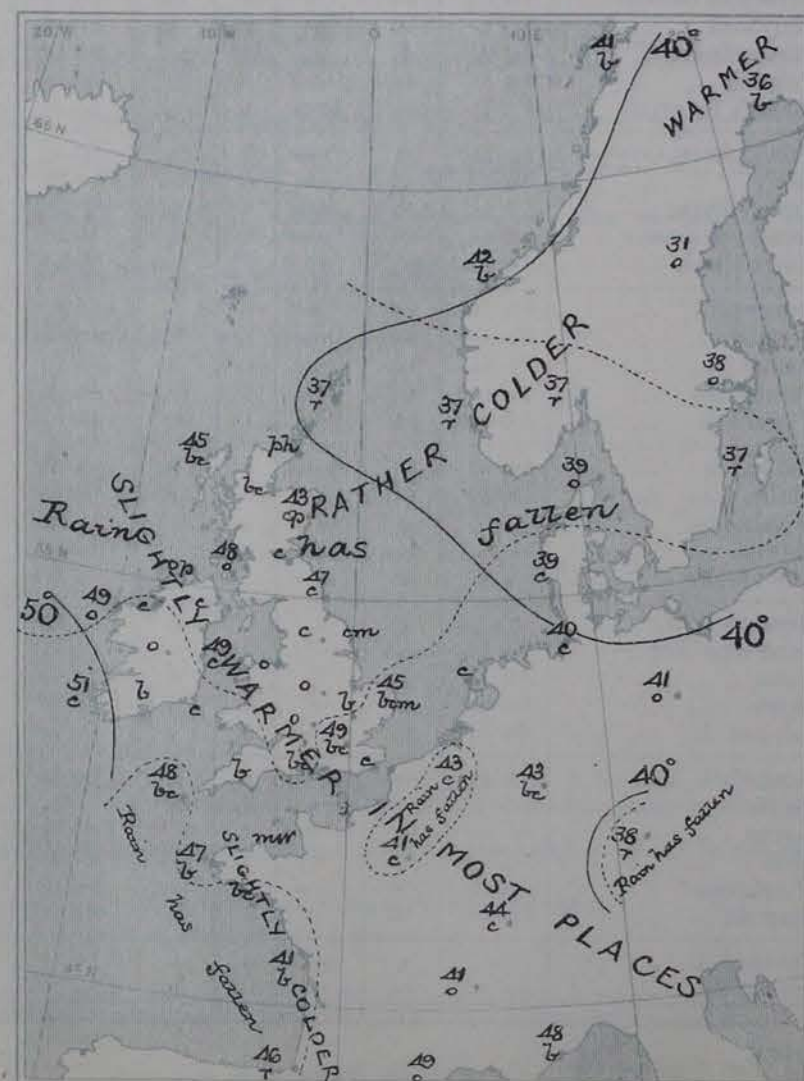
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of April.)

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	Dry at 9 a.m.	Wet.	
Sumburgh Head	40.0	36.7	41.7	40.2	2.07
Stornoway	44.9	37.2	40.8	42.3	2.65
Wick	48.9	36.9	43.1	41.2	1.63
Nairn	50.0	37.3	42.7	40.4	1.26
Aberdeen	49.5	38.0	43.2	40.7	2.16
Leith	52.0	37.0	41.1	41.7	1.57
Shields	49.0	38.0	41.5	41.4	1.80
Spurn Head	48.4	40.0	44.0	42.3	1.45
York	43.5	37.7	43.8	41.6	1.75
Loughborough	55.1	38.1	44.4	42.1	1.78
Ardrossan	51.5	39.5	44.1	42.1	2.14
Mullaghmore	51.0	42.3	45.3	43.0	2.05
Donaghadee	51.0	40.0	44.0	42.0	1.92
Holyhead	51.4	42.0	45.8	43.8	1.99
Liverpool	52.6	40.4	45.0	42.1	1.55
Parsonstown	54.6	38.0	45.0	42.5	2.01
Valencia	53.9	42.8	48.2	45.6	3.83
Roche's Point	53.7	42.1	46.8	44.5	3.24
Pembroke	50.4	41.9	45.2	43.4	1.94
Scilly	52.1	44.7	48.0	46.0	2.27
Prawle Point	51.9	40.7	46.2	44.6	2.07
Jersey	54.2	43.5	48.5	45.9	2.08
Hurst Castle	52.1	41.0	45.5	44.2	1.83
Dover	51.1	41.5	46.3	44.0	1.77
LONDON	50.0	39.7	46.1	43.2	1.81
Oxford	54.0	38.9	44.4	42.1	1.78
Cambridge	55.8	37.3	45.2	43.0	2.69
Yarmouth	49.1	39.9	44.7	43.0	1.70

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 30.3 ins. and more to 30.2 ins. in an anticyclone lying over the Bay of Biscay, the southwestern parts of our Islands, France and the north of Spain; 30.2 ins. to 30.0 ins. over Finland and the north of Scandinavia. Lowest 29.8 ins. and less over the Shetland Isles, rather below 30.0 ins. over Denmark, the Sound and south of Sweden. Gradients moderate to slight.

Barometer falling in the north and east, rising slightly in the west and southwest.

TEMPERATURE

Highest 56° at Lisbon, 51° at Valencia Island, 46° to 49° at the other Irish stations, 49° in London, 48° at Nice.

Lowest 31° at Harnissand, 34° at Lucifer and Wisby, 38° at Stockholm and also at Munich, 41° at Lyons, Rochefort & Paris. The daily maxima over our Islands yesterday ranged from 50° to 58°, and the night minimas were less low than of late.

WIND

Moderate from the Wnd over nearly the whole of Great Britain, W^{ly} to NW^{ly} in the Hebrides, Ireland, and at the mouth of the Channel; W^{ly} light in the Netherlands; E^{ly}, light and variable over Scandinavia.

WEATHER

Showery in the north and east of Scotland, fair as a whole elsewhere, but cloudy in most places and not settled. Slight showers fell in many parts of our area yesterday, and lunar halos were seen at several stations last evening.

SEA

Rather rough off the northwest of Scotland, moderate at Liverpool and Scilly, slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The high-pressure area recently prevalent over northern Europe appears to be giving way steadily, while that observed over Spain and the Bay of Biscay seems to have increased both in size and intensity. The depression in the north, as it spreads southwards seems likely to cause some showers in the north and east of our Islands, with a fall of temperature.

FORECASTS

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

DISTRICTS.

FORECASTS.

DISTRICTS.

FORECASTS.

0 SCOTLAND NORTH

1 SCOTLAND EAST

2 ENGLAND N.E.

3 ENGLAND EAST

4 MIDLAND COUNTIES

5 ENGLAND SOUTH

NW^{ly} breezes, moderate or fresh; showery, colder.

W^{ly} and NW^{ly} breezes, moderate; becoming colder again, fair to rather showery.

6 SCOTLAND WEST

7 ENGLAND N.W.

8 ENGLAND S.W.

9 IRELAND NORTH

10 IRELAND SOUTH

Same as Nos. 0. and 1.

NW^{ly} breezes, moderate, colder, fair as a whole.

NW^{ly} breezes, moderate; fair, colder.

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 ...	30.08	47	43	2	0	0	1	Holyhead ...	30.22	52	48	WNW	2	0	1
Sumburgh Head ...	29.91	45	44	S	3	c	3	Valencia ...	30.36	55	50	NW	3	bcv	3
Stornoway ...	30.03	47	42	W	4	bc	4	Scilly ...	30.32	51	49	W	3	cp	4
Aberdeen ...	30.03	46	42	SE	2	cp	2	Jersey ...	30.28	52	48	WNW	3	0	3
Shields ...	30.09	49	46	WNW	3	cp	2	Dungeness ...	30.20	47	44	W	2	m	0
Ardrossan ...	30.13	51	47	WNW	1	0	1	London ...	30.18	56	48	WNW	2	c	*
Mulin Head ...	30.17	50	47	W	4	bc	2	Yarmouth ...	30.15	45	44	NNE	2	c	3
Mullaghmore ...	30.25	51	48	WNW	4	bc	2	Rochefort ...	30.27	57	48	WNW	4	0	2
Belmullet ...	30.23	52	48	WNW	2	0	*								

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

Weather in morning fine and bright over the northern parts of Scandinavia, as well as in the southwest of our Islands over the Bay of Biscay and the south of Italy; cloudy or overcast elsewhere with rain in several places, and a somewhat unsettled condition everywhere in all regions. Rain and hail showers at our northern stations later, and some rain in many other localities, the largest amounts being between 0.18 ins. and 0.24 ins. in the north, and 0.24 ins. at Biarritz. Lunar halos seen at many stations in evening.

Temperature risen somewhat over northern Europe and the British Islands, also in Italy, fallen over southwestern Europe. Morning readings 63° at Algiers and Cron, and exceeding 50° on the eastern, southern and western shores of the Mediterranean and on the Atlantic coasts of Spain and Portugal; ranging between 40° and 50° over the British Islands and greater part of France, and exceeding 40° over north Germany. Lowest 28° to 34° over northern Europe, 34° to 37° over central Russia, and below 40° over Denmark. Rising to between 50° and 58° over the British Islands and the west and south of France later, to 59° at Nice and to 68° at Lisbon.

Wind very variable; light NW² over Ireland, England and France, W² over north Germany, SE² to E² over the Baltic and south of Scandinavia; S² in the east of Scotland, SE² in the north of Norway.

Fresh N² breezes prevailing over the northern and eastern parts of the Mediterranean and over southern Russia, moderate W² at Malta. Becoming W² in Scotland and north of Ireland later, but remaining of little strength.

Barometer Highest (1) 30.3 ins. and more to 30.2 ins. in a large anticyclone spreading in from the Atlantic over the Bay of Biscay, west of France, and southwest of our Islands; (2) 30.3 ins. to 30.2 ins. in another lying over northern Europe; exceeding 30.1 ins. in the Col uniting the two, and lying over England, the North Sea and south of Norway. Lowest 29.7 ins. and less, in a large depression over the Black Sea, 29.8 ins. and less in a secondary over Croatia, 29.8 ins. and less in another over Corsica and the Gulf of Genoa, and 30.0 ins. and less in a third over Holstein and Zealand. Latter system filling up later, but a new one advancing towards the Shetlands and north of Scotland.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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, 17th April, 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.			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 ...	30.13	24	Z	0	b	30.13	- 03	28	26	- 8	NW	2	b	*	39	18	-		
	Hernösand ...	30.12	30	Z	0	b	30.12	- 03	36	33	+ 5	NE	2	b	*	52	21	-		
	Stockholm ...	29.98	37	E	2	r	29.95	- 08	37	36	- 1	ESE	2	o	*	48	32	0.08		
	Wisby ...	29.94	36	NNE	2	b	29.94	- 02	37	37	0	S	2	r	*	41	32	0.85		
	Bodö ...	30.08	40	Z	0	b	30.17	+ 11	40	35	- 1	E	2	b	1	45	32	-		
	Christiansund ...	29.98	45	NNW	1	b	30.04	+ 09	43	37	+ 1	SSE	2	bc	2	48	39	-		
	Skudesnaes ...	29.89	40	NNW	2	o	29.95	+ 06	42	39	+ 5	NNE	1	o	1	47	37	0.16		
	Christiania Fjord (Fæder)	29.91	38	NNE	2	r	29.95	- 02	37	36	0	NNE	5	b	2	39	37	0.16		
	Skagen (The Scav)	29.87	37	S	1	b	29.87	- 05	38	37	- 1	E	3	b	3	45	36	0.04		
	Fanö ...	29.74	37	SSE	6	r	29.70	- 29	38	37	- 1	E	5	c	*	43	36	0.35		
BRITISH ISLANDS.	Sumburgh Head	29.97	43	NNE	3	bc	30.08	+ 31	42	40	+ 5	N	2	c	2	45	36	-		
	Stornoway ...	30.09	46	N	5	bc	30.18	+ 27	44	41	- 1	? NE	2	bc	2	48	35	0.03		
	Wick ...	30.02	40	NW	3	bc	30.16	+ 36	44	42	+ 3	NW	1	b	2	45	31	0.05		
	Nairn ...	30.04	45	NNW	4	c	30.14	+ 30	41	40	0	NNW	1	o	1	47	37	0.08		
	Aberdeen ...	29.97	39	NNW	5	c	30.15	+ 28	44	41	+ 1	NW	3	c	3	49	38	0.09		
	Leith ...	29.99	45	W	4	b	30.17	+ 27	47	41	0	NW	1	b	*	54	35	0.01		
	Shields ...	29.91	46	N	4	o	30.12	+ 15	43	39	- 4	NW	4	c	3	56	36	0.02		
	Spurn Head ...	29.89	48	W	5	bcqpp	30.06	+ 03	42	40	- 5	NNW	6	bcqpp	4	50	37	0.11		
	York ...	29.95	52	W	3	b	30.12	+ 06	43	39	- 6	NW	4	b	*	57	35	0.03		
	Loughborough	30.04	49	NNW	4	o	30.16	- 00	42	38	- 5	NNW	4	b	*	53	35	-		
GERMANY & HOLLAND.	Ardrossan ...	30.04	48	W	5	b	30.19	+ 20	44	41	- 4	NW	1	b	0	52	34	-		
	Malin Head ...	30.13	46	NNW	4	bp	30.20	+ 13	45	42	- 1	N	1	b	1	48	42	0.05		
	Mullaghmore ...	30.20	49	NNW	5	om	30.22	+ 02	47	45	- 1	Z	0	o	2	51	45	0.01		
	Belmullet ...	30.25	50	NNW	2	o	30.24	- 01	50	48	+ 1	NNW	2	o	*	51	44	-		
	Donaghadee ...	30.12	48	NNE	4	bc	30.21	+ 10	44	43	- 4	NW	4	bc	2	52	44	0.03		
	Liverpool (Bidston)	30.08	46	W	4	o	30.20	+ 07	44	41	- 3	NW	2	b	3	50	38	-		
	Holyhead ...	30.13	47	NNW	4	7	30.22	+ 03	45	43	- 4	N	1	bc	1	52	42	0.03		
	Parsonstown ...	30.24	51	Z	0	o	30.24	- 03	47	46	- 1	NW	1	r	*	55	45	0.03		
	Valencia ...	30.33	52	NW	3	om	30.26	- 10	50	45	- 1	Z	0	ov	1	55	46	-		
	Roche's Point ...	30.27	51	NW	4	c	30.25	- 07	48	45	0	NW	3	o	3	53	43	-		
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	30.21	47	W	4	c	30.22	- 05	46	44	0	NNE	1	b	0	51	42	-		
	Scilly ...	30.32	50	NNW	4	b	30.22	- 11	50	48	+ 2	NW	2	bw	4	51	46	-		
	Prawle Point ...	30.24	50	NW	3	bc	30.22	- 07	53	49	+ 3	NW	1	b	0	56	41	-		
	Jersey (St. Aubin's)	30.27	50	NNW	4	b	30.22	- 10	50	47	+ 2	NW	3	cmw	3	53	45	-		
	Hurst Castle ...	30.17	51	NNW	4	cq	30.20	- 05	46	44	+ 1	NE	3	b	2	55	40	-		
	Dungeness ...	30.08	46	W	5	cq	30.11	- 10	44	40	- 1	N	6	bcq	4	50	36	0.05		
	London ...	30.08	53	NNW	2	c	30.15	- 05	42	39	- 7	N	2	bc	*	56	39	0.01		
	Oxford ...	30.10	49	NNW	4	o	30.18	- 03	43	39	- 1	NNW	3	b	*	54	37	-		
	Canbridge ...	30.06	50	W	2	o	30.12	- 03	45	41	- 3	NNW	2	b	*	56	36	-		
	Yarmouth ...	29.97	45	NNW	2	cp	30.02	- 09	43	40	- 2	NNW	5	cq	4	52	37	0.11		
PENIN- SULA.	Cuxhaven ...	29.94	41	SW	2	r	29.73	- 34	40	39	0	SW	3	c	*	46	37	0.28		
	Berlin ...	30.03	43	SSW	3	b	29.94	- 26	44	42	+ 3	S	3	o	*	48	39	-		
	Wiesbaden ...	*	*	*	*	*	29.91	- 29	44	41	+ 1	W	2	c	*	54	41	0.12		
	Munich ...	30.19	37	SW	5	c	30.06	- 15	40	37	+ 2	SW	4	o	*	46	36	0.04		
	The Helder ...	29.92	41	W	3	r	29.81	- 26	41	39	- 1	NW	5	o	4	46	39	0.24		
	Brussels (9 a.m.)	*	*	*	*	*	30.01	- 17	39	38	- 4	NW	3	o	*	53	39	0.08		
	Cape Gris Nez	30.08	46	NNW	4	c	30.06	- 13	41	38	- 3	NW	4	bc	4	48	39	0.04		
	Paris ...	30.21	53	NW	2	c	30.13	- 15	46	44	+ 5	W	2	c	*	60	41	-		
	Brest ...	30.36	51	NNW	1	b	30.26	- 11	43	42	- 4	Z	0	b	0	57	39	-		
	Lorient ...	30.32	49	W	3	c	30.26	- 09	40	40	- 1	NNW	1	m	2	52	39	-		
PENIN- SULA.	Rochefort ...	30.31	52	NW	3	b	30.25	- 10	43	46	+ 7	S	2	b	*	59	34	-		
	Belfort ...	?	44	W	2	o	?	?	45	?	+ 1	W	2	r	*	57	39	-		
	Livons ...	30.26	48	N	2	b	30.24	- 06	48	43	+ 7	W	1	bc	*	53	39	-		
	Nice ...	30.12	49	Z	0	bc	30.12	+ 07	50	41	+ 2	NE	4	b	1	63	43	0.04		
	Perpignan ...	30.26	55	NW	3	c	30.25	- 02	49	43	0	SW	1	b	*	59	39	-		
	Biarritz ...	30.34	54	N	1	b	30.23	- 12	43	42	- 3	SSE	2	b	2	59	39	0.04		

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, 17th April, 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 heads 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.

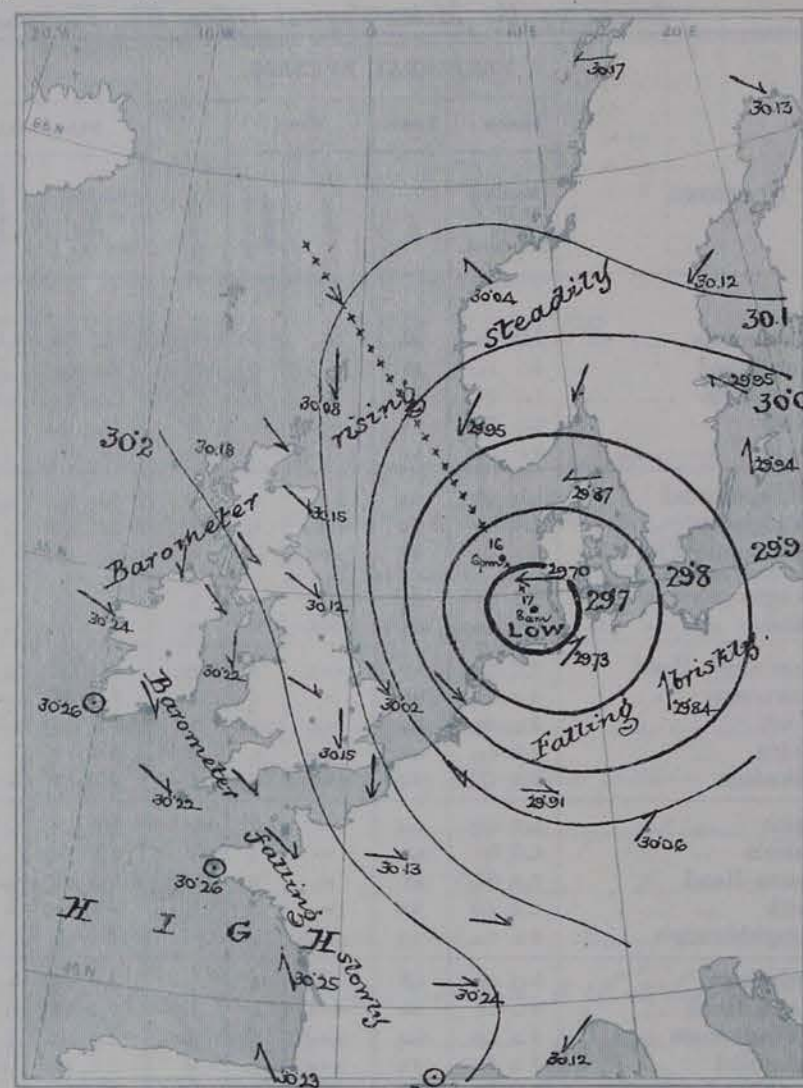
☼ = Rough. ☼ = High.

MEAN HEIGHT OF THE BAROMETER

at 8.0 a.m. for the month of April

During the 20 Years 1871-1890.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.810
Stornoway	29.824
Wick	29.818
Nairn	29.846
Aberdeen	29.858
Leith	29.863
Shields	29.866
Spurn Head	29.863
York	29.875
Loughborough	29.879
Ardrossan	29.877
Mullaghmore	29.839
Donaghadee	29.859
Holyhead	29.837
Liverpool	29.867
Parsonstown	29.864
Valencia	29.854
Roche's Point	29.851
Pembroke	29.852
Sally	29.850
Prawle Point	29.876
Jersey	29.872
Hurst Castle	29.871
Dover	29.864
LONDON	29.878
Oxford	29.884
Cambridge	29.880
Yarmouth	29.872



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 April.)

STATIONS.	TEMPERATURE.				RAINFALL (Inches.)
	Daily Max.	Daily Min.	At 8 a.m. Dry.	Wet.	
Sumburgh Head	40.0	36.7	41.7	40.2	2.07
Stornoway	44.0	37.2	43.8	42.3	2.45
Wick	48.0	36.9	43.1	41.2	1.08
Nairn	50.0	37.3	42.7	40.4	1.26
Aberdeen	49.3	38.0	43.2	40.7	2.16
Leith	52.0	37.9	43.1	41.7	1.57
Shields	49.0	38.6	43.5	41.4	1.80
Spurn Head	48.4	40.3	44.0	42.3	1.45
York	43.5	37.7	43.8	41.6	1.75
Loughborough	55.1	38.1	44.4	42.1	1.78
Ardrossan	51.5	39.5	44.4	42.1	2.14
Mullaghmore	51.9	42.3	45.3	43.0	2.05
Donaghadee	51.0	40.0	44.6	42.9	1.92
Holyhead	51.4	42.0	45.8	43.8	1.90
Liverpool	53.0	40.4	45.0	42.1	1.55
Parsonstown	54.0	38.0	45.0	42.5	2.04
Valencia	53.9	42.8	48.2	45.6	3.83
Roche's Point	53.7	42.1	46.8	44.6	3.24
Pembroke	50.4	41.9	45.2	43.4	1.94
Sally	52.1	41.7	48.0	46.6	2.27
Prawle Point	51.9	40.7	46.2	44.6	2.07
Jersey	54.2	44.5	48.5	45.9	2.08
Hurst Castle	52.1	41.0	45.5	44.2	1.83
Dover	51.1	41.5	45.3	43.0	1.77
LONDON	56.0	39.7	46.1	41.2	1.81
Oxford	54.0	38.9	41.4	41.1	1.78
Cambridge	55.8	37.3	45.2	43.0	1.69
Yarmouth	49.1	39.6	44.7	43.0	1.70

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 more over the Bay of Biscay, the west of France, and all the western parts of our Islands; 30.1 in: and more over the northern parts of Scandinavia, and apparently over Iceland.

Lowest, 29.7 in: and less, in a depression near Heligoland, and about 30.1 in: over the Gulf of Genoa.

Gradients somewhat steep off our eastern coasts, moderate to slight elsewhere.

Barometer still rising in the north, but falling a little in the southeast and over France.

TEMPERATURE

Highest, 56° at Funchal, 53° at Ponta da Moura, 50° at Valencia Island, Kelly, Jersey, and Nice.

Lowest, 28° at Haparanda, 37° at Stockholm, Wier, and Bander, 40° at Munich, 41° at Nain, 42° in London.

It rose to between 50° and 57° over Ireland and England yesterday, but fell fast towards night. Slight frost occurred on the grass in London.

WIND

Very light and mainly NW² over Ireland and Scotland; moderate to fresh NW² over England; light W¹ over the east of France. SW¹ at Copenhagen, S¹ at Berlin, E¹ in Denmark and over Scandinavia.

Variable airs and calms prevail over the Bay of Biscay.

WEATHER

Fine and bright over Scandinavia and England, fair as a whole in other regions, but overcast in many places.

Cold showers have fallen over Germany, the Baltic, the Netherlands, North Sea and northern and eastern parts of Great Britain, and are still reported at Spinn H².

SEA

Moderate at our eastern and southeastern stations, slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression which lay near the Shetland Islands yesterday morning has moved southeastwards, and its centre now lies a little to the eastward of Heligoland. At all our northern stations the barometer has risen decidedly, and the wind has veered very generally. A fall of the barometer, however, seems to be in progress over the Bay of Biscay and is spreading to our southwestern coasts, but at present the change does not seem to be great.

FORECASTS

For the 24 hours ending at NOON on 18TH APRIL 1891.

DISTRICTS.

FORECASTS.

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

N² and NW² winds, light; fair, very cold tonight.

N² winds, moderate to light; slight local showers, very cold tonight.

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.

NW² to N² or NE² breezes, light; fair, very cold tonight.

Same as Nos 0 to 2.

WARNINGS

NONE ISSUED.

Note: The South Cone, point downwards (Y), 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 (A), 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																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
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Skudesnaes ...	29.88	41	39	SE	2	0	3	Holyhead ...	30.16	51	47	W	4	0g	3	Sumburgh Head	29.88	44	40	NE	2	0	3	Valencia ...	30.35	53	48	WNW	2	0r	2	Stornoway ...	30.02	42	41	N	0	5	Scilly ...	30.33	51	48	WNW	4	0	4	Aberdeen ...	29.86	44	40	WNW	6	cqpth	4	Jersey ...	30.31	52	49	WNW	4	0c	3	Shields ...	29.91	48	41	NW	5	cp	2	Dungeness ...	30.14	46	45	W	5	r	4	Ardrossan ...	30.02	51	47	W	5	0	4	London ...	30.18	55	49	W	3	c	8	Malin Head ...	30.12	47	46	NW	3	c	2	Yarmouth ...	30.01	52	47	WNW	5	cqpp	3	Mullaghmore	30.22	50	48	W	5	om	3	Rochefort ...	30.34	58	51	NW	3	0	4	Belmullet ...	30.27	51	48	WNW	2	0	*																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												

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

Weather in morning fine and bright over northern and many parts of western and southwestern Europe, cloudy and unsettled elsewhere, especially over the North Sea and Baltic, southern Russia, and the eastern parts of the Mediterranean; rain in several places. Rain falling, later over Germany and the Baltic, rain and hail over the north and east of our Islands, the North Sea and the Netherlands.

Temperature risen over the British Islands, fallen over the west of France, central Spain and Algeria. Varying between 50° and 60° in morning on the southern and western shores of the Mediterranean, the Atlantic coasts of Portugal and Spain and at Valencia Island, lower elsewhere. Below 40° at most of the Scandinavian and Baltic stations and as low as 25° at Archangel, 30° at Krasnoe, 31° at Kholmogori, 34° at Helsingfors and St. Petersburg. Rising to between 50° and 57° over England and Ireland later, to 60° at Brest, 63° at Nice, and 73° at Lisbon. Falling fast again towards night.

Wind moderate to fresh from between NW. and W. over the greater part of the British Isles, light W. over north Germany; but SE. to E., and very light over the Baltic, Sweden, and Norway. Mainly N. to E. at stations in the south of Europe, NW. in Sardinia, Tunis, Sicily and Malta. Varying N.W. over the United Kingdom during the day and freshening at the North sea stations.

Barometer highest, 30.3 ins. and more to 30.2 ins. in a large anticyclone covering ^{the Bay of Biscay} Spain, France, and the southwestern half of our Islands, and 30.2 ins. to 30.0 ins. in another system lying over northern Europe. Lowest 29.7 ins. and less in a depression lying over the Crimea and southern Russia, 29.8 ins. and less, in another near the Shetland Islands, and 29.9 ins. and less, in shallow secondary systems over the eastern parts of the Mediterranean. The disturbance near the Shetlands moving southwards later, and barometer rising fast in Scotland.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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, 18th April, 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.	Min.		
SCANDINAVIA.	Haparanda ...	30.18	34	Z	0	b	30.23	+ 10	31	29	+ 3	N	2	b	*	46	16	-
	Hernösand ...	30.16	32	NE	2	b	30.21	+ 09	35	32	- 1	Z	0	b	*	52	25	-
	Stockholm ...	30.09	36	E	7	0	30.15	+ 20	36	35	- 1	NE	2	0	*	48	34	-
	Wisby ...	30.02	33	ESE	4	0	30.06	+ 12	37	36	- 0	ESE	4	bc	*	45	52	0.04
	Bodö ...	30.21	39	N	2	b	30.28	+ 11	38	35	- 2	ESE	1	b	1	43	29	-
	Christiansund	30.12	45	ENE	4	b	30.23	+ 19	42	39	- 1	ESE	1	b	1	52	39	-
	Skudesnaes ...	30.08	45	E	1	0	30.16	+ 21	46	41	+ 4	ENE	2	c	1	?	39	-
	Christiania Fjord (Fjerde) ...	30.04	40	NE	3	0	30.14	+ 19	39	39	+ 2	NNE	2	c	1	41	37	-
	Skagen (The Scaw)	29.96	38	NE	4	b	30.08	+ 21	39	39	+ 1	NE	3	bc	3	45	36	-
	Fanö ...	29.86	40	NNE	4	c	29.97	+ 27	40	39	+ 2	NNE	4	0	*	46	37	-
BRITISH ISLANDS.	Sumburgh Head	30.11	44	NNE	2	b	30.20	+ 12	46	43	+ 4	NE	1	b	3	47	39	0.26
	Stornoway ...	30.20	45	Z	0	c	30.23	+ 05	46	43	+ 2	E	2	b	2	47	32	-
	Wick ...	30.18	44	NW	2	bc	30.22	+ 06	43	41	- 1	E	1	b	1	50	31	0.08
	Nairn ...	30.16	43	Z	0	?	30.22	+ 05	41	40	- 0	NW	1	op	1	52	35	0.12
	Aberdeen ...	30.16	46	NW	2	bc	30.21	+ 06	46	42	+ 2	N	2	c	2	51	36	-
	Leith ...	30.16	49	E	1	bc	30.21	+ 04	49	44	+ 2	NE	1	b	*	53	35	-
	Shields ...	30.17	46	NNE	3	b	30.19	+ 07	45	42	+ 2	NW	2	c	2	48	36	-
	Spurn Head ...	30.15	44	N	5	b	30.17	+ 11	43	41	+ 1	NW	3	bc	3	46	37	-
	York ...	30.16	49	N	1	b	30.20	+ 08	42	40	- 1	NW	1	c	*	51	32	0.02
	Loughborough	30.16	50	NE	1	c	30.21	+ 05	36	35	- 6	Z	0	b, f, w	*	55	29	-
GERMANY & HOLLAND.	Ardrossan ...	30.16	49	W	3	c	30.19	- 00	46	42	+ 2	ENE	3	b	2	51	30	-
	Malin Head ...	30.21	46	ENE	1	0	30.19	- 01	44	42	- 1	NE	2	0	0	49	43	-
	Mullaghmore ...	30.21	50	W	4	c	30.19	- 03	45	42	- 2	E	4	c	2	53	43	-
	Belmullet ...	30.22	51	NE	1	0	30.19	- 05	48	47	- 2	ENE	1	0	*	52	45	-
	Donaghadee ...	30.19	48	NNE	3	b	30.20	- 01	46	44	+ 2	E	3	bc	2	53	43	-
	Liverpool (Bidston)	30.20	46	NW	2	b	30.20	- 00	41	40	- 3	SE	1	b	2	49	34	-
	Holyhead ...	30.21	44	NW	1	b	30.18	- 04	44	42	- 1	ESE	1	c, w	1	52	38	-
	Parsonstown ...	30.20	52	Z	0	0	30.17	- 07	46	46	- 1	Z	0	0	*	55	38	-
	Valencia ...	30.21	52	S	2	OV	30.15	- 11	50	46	- 0	Z	0	b	1	54	39	-
	Roche's Point ...	30.19	50	S	2	c	30.17	- 08	45	44	- 3	ESE	1	f	2	52	40	-
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	30.21	47	NW	2	b	30.17	- 05	43	41	- 3	NE	2	bmw	1	51	38	-
	Scilly ...	30.20	51	NW	2	bc	30.13	- 09	50	47	- 0	ENE	2	b	3	54	47	-
	Prawle Point ...	30.19	48	SSE	1	b	30.17	- 05	45	45	- 8	ENE	1	f	0	54	40	-
	Jersey (St. Aubin's)	30.21	51	NW	3	b	30.19	- 03	49	43	- 1	ESE	3	bm	3	55	36	-
	Hurst Castle ...	30.19	47	NW	4	b	30.18	- 02	46	44	- 0	ENE	2	m	1	56	36	-
	Dungeness ...	30.15	51	N	4	bc	30.17	+ 06	42	39	- 2	NNE	2	b	1	53	30	-
	London ...	30.17	50	NW	2	bc	30.22	+ 07	41	36	- 1	SE	1	bmw	*	54	32	-
	Oxford ...	30.19	43	NNE	1	b	30.21	+ 05	42	40	- 1	Z	0	bm	*	55	32	-
	Cambridge ...	30.18	46	NE	1	b	30.20	+ 08	42	41	- 3	N	1	b	*	57	28	-
	Yarmouth ...	30.12	43	NW	4	bc	30.15	+ 13	43	41	- 0	N	4	bc	4	46	35	0.02
GERMANY & HOLLAND.	Cuxhaven ...	29.78	40	NW	5	T	29.87	+ 14	40	39	- 0	NNE	4	c	*	43	39	0.12
	Berlin ...	29.82	40	SW	3	c	29.87	+ 03	41	40	- 3	S	3	c	*	48	36	0.12
	Wiesbaden ...	*	*	*	*	*	30.02	+ 11	40	39	- 4	W	4	0	*	52	37	0.04
	Munich ...	30.04	34	SW	6	b	30.06	- 00	36	34	- 4	W	5	c	*	46	34	0.12
	The Helder ...	30.04	40	NW	4	0	30.08	+ 27	40	39	- 1	N	3	c	3	41	39	0.16
	Brussels (9 a.m.)	*	*	*	*	*	30.13	+ 12	41	39	+ 2	NW	4	c	*	46	36	0.08
	Cape Gris Nez	30.14	46	NE	2	bc	30.16	+ 10	41	39	- 0	N	3	c	4	52	37	-
	Paris ...	30.17	50	NW	3	b	30.21	+ 08	37	36	- 9	SEW	1	b	*	57	?	-
	Brest ...	30.23	53	NW	2	b	30.15	- 11	44	44	+ 1	E	3	b	2	54	41	-
	Lorient ...	30.20	51	SW	1	bc	30.12	- 14	43	39	+ 3	ENE	3	b	2	52	39	-
FRANCE AND BELGIUM.	Rochefort ...	30.16	54	NW	3	b	30.10	- 15	45	42	- 3	E	4	b	*	64	36	-
	Belfort ...	?	40	W	2	bc	?	?	44	?	- 1	W	3	b	*	51	30	-
	Lyons ...	30.13	52	NW	2	bc	30.18	- 06	41	36	- 7	N	2	b	*	56	38	-
	Nice ...	29.99	51	E	2	b	30.00	- 12	48	43	- 2	W	2	b	1	61	43	-
	Perpignan ...	30.10	59	Z	0	bc	30.10	- 15	50	46	+ 1	Z	0	b	*	67	39	-
	Biarritz ...	30.08	57	ENE	4	b	29.99	- 24	50	45	+ 7	ESE	4	c	2	68	43	-
	Cornona ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	-
PERIN- SULA.	Lisbon ...	29.89	69	ESE	3	0	29.84	- 18	56	50	- 0	ENE	4	bc	3	75	55	-

WEATHER CHARTS

for 8 a.m. on Saturday, 18th April, 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 heads 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—

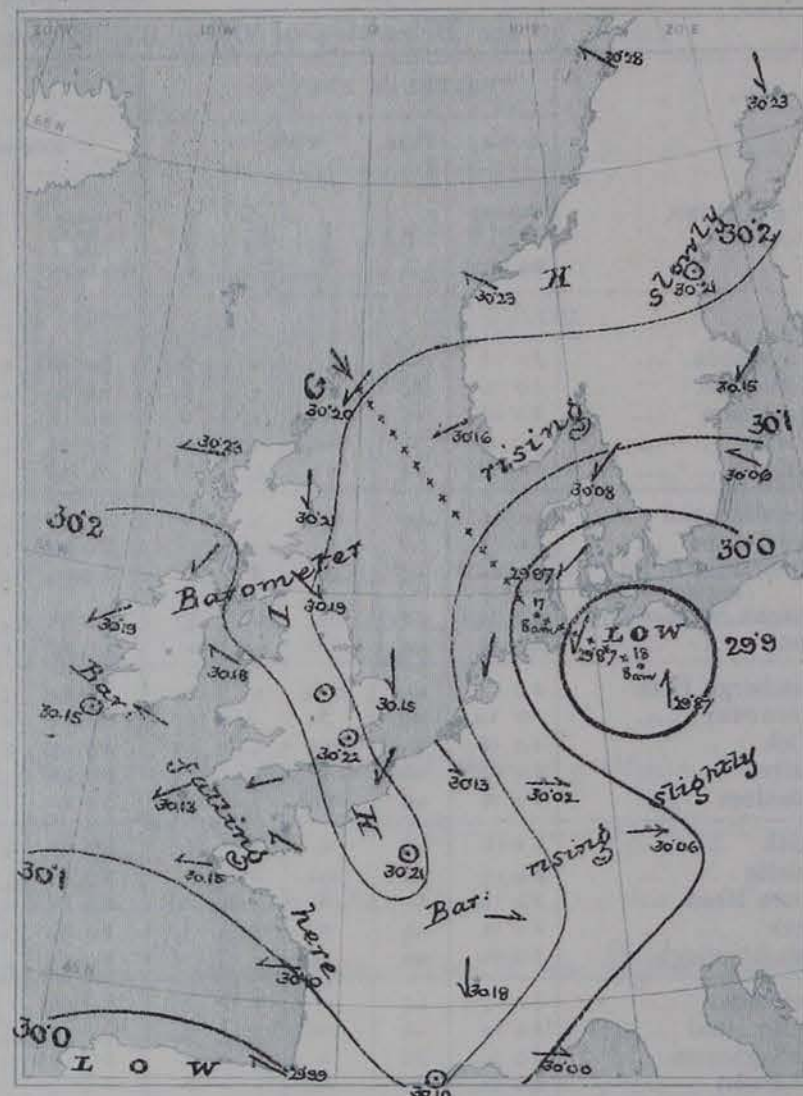
— Rough. — High.

MEAN HEIGHT OF THE BAROMETER

at 8.0 a.m. for the month of April

During the 20 Years: 1871—1890.

STATIONS.	MEAN READINGS.
Sunbrough Head	29.840
Stornoway	29.821
Wick	29.818
Nairn	29.815
Aberdeen	29.858
Leith	29.863
Shields	29.866
Spurn Head	29.863
York	29.875
Loughborough	29.879
Ardrossan	29.887
Mullaghmore	29.899
Donaghadee	29.859
Holyhead	29.857
Liverpool	29.867
Parsonstown	29.861
Valencia	29.851
Roche's Point	29.831
Pembroke	29.852
Sully	29.856
Prawle Point	29.870
Jersey	29.872
Hurst Castle	29.871
Dover	29.864
LONDON	29.878
Oxford	29.834
Cambridge	29.880
Yarmouth	29.873



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.

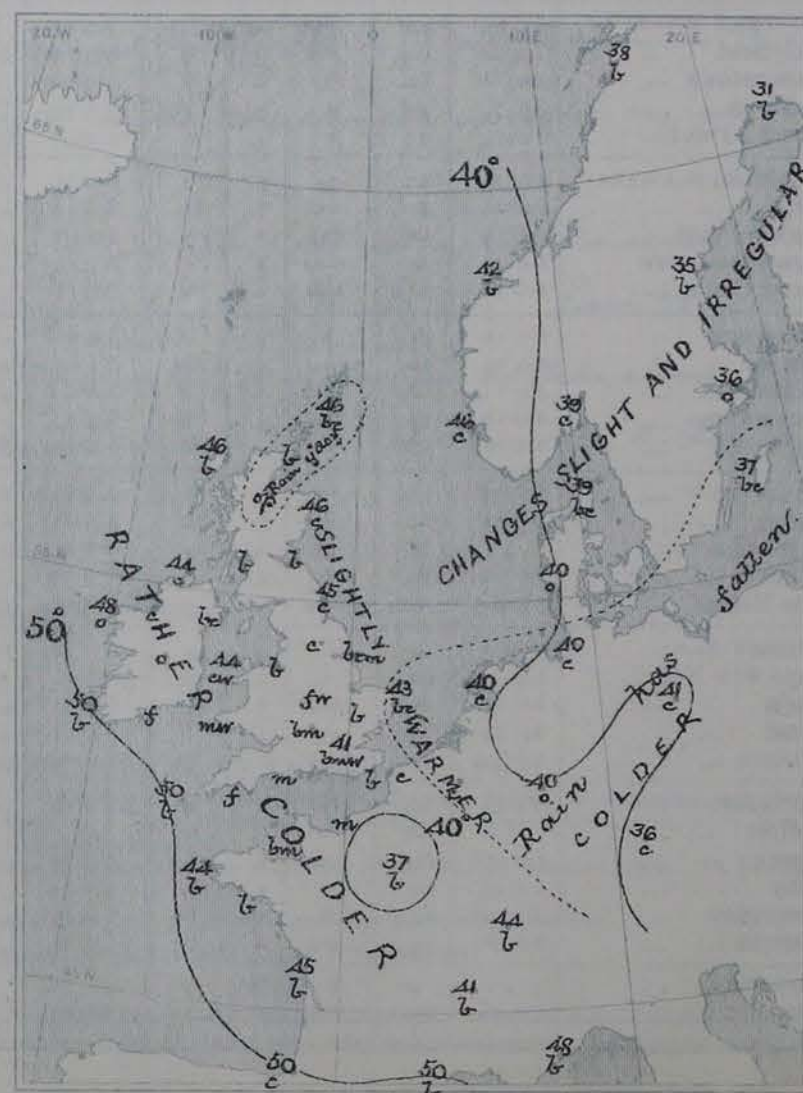
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL

(For the month of April.)

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.	at 4 p.m.	
Sunbrough Head	46.9	36.7	41.7	40.2	2.07
Stornoway	48.9	37.2	43.8	42.3	2.65
Wick	48.8	36.9	43.1	41.2	1.68
Nairn	49.2	37.3	42.7	40.4	1.20
Aberdeen	49.3	38.0	43.2	40.7	2.16
Leith	52.0	37.0	41.1	41.7	1.57
Shields	49.0	38.6	43.5	41.4	1.80
Spurn Head	48.4	40.3	44.0	42.3	1.45
York	43.5	37.7	43.8	41.6	1.75
Loughborough	55.1	38.1	41.4	43.1	1.78
Ardrossan	51.5	39.5	41.4	42.1	2.14
Mullaghmore	51.9	42.3	45.3	43.9	2.05
Donaghadee	51.0	40.0	44.6	42.0	1.92
Holyhead	51.4	42.0	45.8	43.8	1.90
Liverpool	52.6	40.4	43.0	43.1	1.55
Parsonstown	51.0	38.0	43.0	42.5	2.04
Valencia	53.9	42.8	48.2	46.0	3.83
Roche's Point	53.7	42.1	46.8	41.5	3.24
Pembroke	50.4	41.9	45.2	43.4	1.94
Sully	52.1	41.7	48.6	46.0	2.27
Prawle Point	51.9	40.7	46.2	44.6	2.07
Jersey	54.2	43.5	48.5	45.9	2.08
Hurst Castle	52.1	41.0	45.3	41.2	1.83
Dover	51.1	41.5	45.3	44.0	1.77
LONDON	50.0	39.7	45.1	43.2	1.84
Oxford	54.0	38.9	41.4	42.1	1.78
Cambridge	55.6	37.3	46.2	43.0	1.69
Yarmouth	49.1	39.9	41.7	43.0	1.70

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 more to 30.1 in. over Scandinavia, the British Isles, and France.

Lowest, 29.9 in. and less, over the south of Spain, and also in a shallow depression over the western part of North Germany.

Gradients slight. Barometer still rising slowly in the north and east, falling slightly in the west and south.

TEMPERATURE

Highest, 56° at Lisbon, 50° at Bismitz, Scilly, and Valencia Island, 46° at Bornoway, and Ruederns.

Lowest, 31° at Kaparanda, 36° at Stockholm, at Loughborough and Munich, 37° at Paris, 41° in London.

It has been down to 28° in the shade at Cambridge, 30° at Dungeness, and 32° at Oxford, and London during the night; on the grass in the south of London it went down to 23°.

WIND

Light from between E. and N. over nearly the whole of northern and western Europe, NW in Belgium, N in south Germany, and S at Berlin.

WEATHER

Very fine as a whole, but dull in a few places, hazy or foggy in others; rain, however, reports slight showers.

Rain fell yesterday over Germany, the Netherlands, and at a few of our own eastern and northern stations.

SEA

Moderate at Yarmouth and C. Fin Vig, slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Since yesterday, there has been a rise of the barometer over all the eastern and northern, and a fall over the southern and western parts of our area, while the depression noticed on the eastern side of the North Sea has reached north Germany and appears to be filling up slowly. Temperature has fallen, and is very low for the time of year, the wind is light, the air dry, and the general appearance very quiet. Should the changes now in progress continue, the E. wind will probably freshen a little in the south, but fine dry weather seems likely to continue, with very cold nights.

FORECASTS

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

DISTRICTS.

FORECASTS.

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

N² and NE² breezes, light, fine, cold at night.

N² to NE² winds, light to moderate; fine, hazy and cold at night.

DISTRICTS.

FORECASTS.

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

Varying E² winds, light or moderate; 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:		WIND		WEA	SEA
		D.	W.	D.	F.					D.	W.	D.	F.		
Skudesnaes ...	30.02	53	41	SSE	1	0	2	Holyhead ...	30.23	50	45	NW	2	0	1
Sumburgh Head ...	30.10	45	42	N	3	0	3	Valencia ...	30.24	54	47	N	2	0	2
Stornoway ...	30.20	47	43	E	2	0	2	Scilly ...	30.22	52	49	NW	2	0	1
Aberdeen ...	30.16	30	43	N	3	0	3	Jersey ...	30.23	54	48	NW	3	0	3
Shields ...	30.18	48	43	NW	4	0	3	Dungeness ...	30.14	52	43	N	5	0	4
Ardrossan ...	30.15	45	46	SW	1	0	1	London ...	30.16	52	45	N	3	0	3
Mulin Head ...	30.21	44	45	NW	1	0	1	Yarmouth ...	30.08	45	42	NW	5	0	5
Mullaghmore ...	30.22	52	49	N	2	0	2	Rochefort ...	30.22	61	55	NW	1	0	2
Belmullet ...	30.23	51	47	NW	1	0	2								

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

Weather in morning fine and bright over the greater part of northern and western Europe and the British Islands, but dull, unsettled and showery over the North Sea, the Netherlands, and northwestern Germany, as well as over southern Russia and the Black Sea. Rain at times during day over Germany, the Netherlands, and several of our own northern and eastern stations.

Temperature changes irregularly, but tending to decrease over western Europe and to increase in the southeast. Morning readings exceeding 50° on the coasts of southern and southwestern Europe (61° at Corunna, 67° at Oporto), touching 50° at Belmullet, Valencia, Scilly and Jersey, but below 40° at most stations lying to the eastward of the North Sea, and as low as 28° at Archangel and Haparanda, 30° at Helsingfors, 36° at Hernoand and Riga, 38° at the Scaw and Yano. Raining to between 50° and 56° over the British Islands and north and east of France later, to 60° and more in the southwest and south of France, and to 75° at Lisbon. Not touching 50° at the majority of German, Danish and Baltic stations.

Wind light from E. and SE. over northern Europe and the Baltic, very light and variable from the NW² over Scotland and Ireland, light to fresh NW³ over England and Holland, W² in the east of France, S² in north Germany. Moderate to fresh from the E² over Spain and Portugal, but NE to NW¹ over the eastern parts of the Mediterranean.

Barometer highest (1) 30.2 in. and more, in a broad band stretching from the Atlantic across the western part of the United Kingdom and France and the northeast of Spain to Algeria; (2) 30.2 in. to 30.1 in. over the northern parts of Scandinavia and Russia. Lowest 29.8 in. and less, in a depression over the Crimea and southern Russia, and in another depression lying over the southeastern part of the North Sea; apparently below 30.0 in. off the southwest coasts of Spain, and below 30.1 in. over Corsica and Italy. Falling cloudy over southwestern Europe later, rising in the north.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

* AN ASTERISK is inserted in all places for which information is not usually received.
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 19th April 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.	Sea. (0 to 3.)	Max.	Min.	Amount of Rainfall.		
SCANDINAVIA.	Haparanda ...	30.23	35	2	0	c	30.27	+ .04	36	32	+ 5	NNE	2	b	*	43	21	—
	Hernösand ...	30.25	32	2	0	b	30.32	+ .11	36	33	+ 1	2	0	b	*	84	28	—
	Stockholm ...	30.17	37	N	2	b	30.21	+ .06	41	37	+ 5	2	0	c	*	46	34	—
	Wisby ...	30.15	33	NNW	4	f	30.11	+ .05	38	37	+ 1	NNE	2	c	*	43	28	—
	Bodö ...	30.32	39	2	0	c	30.35	+ .07	40	38	+ 2	2	0	o	0	43	36	—
	Christiansund	30.26	42	NE	4	b	30.32	+ .09	41	37	— 1	ENE	1	b	2	50	36	—
	Skudesnaes ...	30.21	45	NNW	4	b	30.26	+ .10	43	40	— 3	SSE	1	c	1	50	37	—
	Christiania Fjord (Færder)	30.20	40	2	0	b	30.24	+ .10	39	37	0	N	3	c	2	43	37	—
	Skagen (The Seaw)	30.12	40	E	3	o	30.20	+ .12	40	38	+ 1	NE	1	c	1	46	37	—
	Fanö ...	30.10	40	NNE	2	r	30.16	+ .19	39	38	— 1	N	1	r	*	46	37	0.28
BRITISH ISLANDS.	Sumburgh Head	30.24	47	2	0	b	30.27	+ .07	44	42	— 2	2	0	c	1	50	35	—
	Stornoway ...	30.24	46	NE	4	b	30.26	+ .03	45	43	— 1	2	0	b	2	49	32	—
	Wick ...	30.28	48	E	1	b	30.30	+ .08	38	36	— 5	2	0	b	0	52	28	—
	Nairn ...	30.21	46	E	1	b	30.26	+ .04	40	40	— 1	2	0	c	0	52	28	—
	Aberdeen ...	30.25	42	ENE	2	b	30.31	+ .10	44	41	— 2	ENE	1	bw	0	48	32	—
	Leith ...	30.22	47	NE	2	b	30.28	+ .07	46	42	— 3	E	2	c	*	53	36	—
	Shields ...	30.21	45	ENE	3	bc	30.27	+ .08	43	40	— 2	N	2	bc	3	48	35	—
	Spurn Head ...	30.17	43	NNE	3	b	30.22	+ .05	42	40	— 1	NNE	3	c	3	47	36	—
	York ...	30.19	46	E	1	c	30.27	+ .07	35	35	— 7	NNW	1	o	*	52	29	0.09
	Loughborough	30.18	44	ENE	3	o	30.25	+ .04	39	38	+ 3	NE	2	cr	*	56	33	0.09
GERMANY & HOLLAND.	Ardrossan ...	30.18	51	E	1	b	30.26	+ .07	44	41	— 2	ENE	2	bm	1	57	34	—
	Malin Head ...	30.13	46	ENE	3	bm	30.21	+ .02	45	42	+ 1	SE	3	cm	1	48	40	—
	Mullaghmore ...	30.14	51	NN	2	cy	30.19	.00	43	40	— 2	E	5	bm	2	53	39	—
	Belmullet ...	30.13	49	ENE	2	o	30.15	— .04	46	44	— 2	E	2	b	*	54	40	—
	Donaghadee ...	30.19	47	NE	2	b	30.25	+ .05	43	42	— 3	ESE	2	b	0	50	43	—
	Liverpool (Bidston)	30.16	45	ENE	4	bc	30.23	+ .03	42	39	+ 1	ESE	3	c	2	50	36	—
	Holyhead ...	30.16	46	NE	3	b	30.17	— .01	44	42	0	E	3	bm	3	49	40	—
	Parsonstown ...	30.11	54	2	0	c	30.15	— .02	44	43	— 2	2	0	b	*	58	35	—
	Valencia ...	30.08	52	SSE	3	bc	30.05	— .10	52	46	+ 2	ENE	1	bm	2	55	41	—
	Roche's Point...	30.11	48	SE	1	b	30.10	— .07	47	45	+ 2	E	4	m	3	51	40	—
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	30.11	51	NE	2	b	30.13	— .04	46	44	+ 3	ESE	3	bc	3	52	42	—
	Scilly ...	30.10	49	ENE	4	bc	30.04	— .09	50	46	0	E	5	c	4	52	45	—
	Prawle Point...	30.13	45	ENE	3	b	30.13	— .04	47	45	+ 2	ENE	4	c	2	51	42	—
	Jersey (St. Aubin's)	30.11	53	E	3	b	30.13	— .06	48	43	— 1	E	4	bm	3	58	42	—
	Hurst Castle ...	30.16	46	SSW	3	bc	30.19	+ .01	45	43	— 1	ENE	2	m	1	51	38	—
	Dungeness ...	30.17	45	2	0	bc	30.18	+ .01	43	40	+ 1	NE	3	bc	2	50	38	—
	London ...	30.16	50	ENE	3	bc	30.22	+ .00	42	39	+ 1	ENE	3	o	*	56	35	—
	Oxford ...	30.18	46	ESE	2	o	30.22	+ .01	39	38	— 3	ENE	1	o	*	58	36	—
	Cambridge ...	30.18	45	NNE	1	o	30.24	+ .04	40	39	— 2	N	1	c	*	55	30	—
	Yarmouth ...	30.17	44	NNE	2	bv	30.20	+ .05	42	41	— 1	NNE	4	cg	4	47	35	—
PENINSULA.	Cuxhaven ...	30.01	43	N	3	c	30.13	+ .26	41	39	+ 1	NE	3	c	*	47	40	—
	Berlin ...	29.95	44	NE	3	c	30.00	+ .13	41	39	0	NN	4	o	*	48	36	—
	Wiesbaden ...	*	*	*	*	*	30.10	+ .08	43	41	+ 3	NN	2	bc	*	45	37	0.04
	Munich ...	30.06	37	SW	3	o	30.08	+ .02	37	35	+ 1	SW	4	c	*	43	32	0.08
	The Helder ...	30.15	40	N	2	c	30.17	+ .09	42	41	+ 2	N	1	c	2	43	39	—
	Brussels (9 a.m.)	*	*	*	*	*	30.17	+ .04	39	37	— 2	NNW	1	o	*	48	33	—
	Cape Gris Nez	30.15	44	NE	3	b	30.16	+ .00	41	38	0	ENE	3	c	2	52	36	—
	Paris ...	30.14	50	NE	2	b	30.15	— .06	39	37	+ 2	NE	2	b	*	56	32	—
	Brest ...	30.07	55	ENE	3	c	29.97	— .18	46	42	+ 2	SE	4	bc	2	68	41	—
	Lorient ...	30.02	57	ESE	2	b	30.00	— .12	44	39	+ 1	E	5	bc	2	61	43	—
PENINSULA.	Rocheport ...	29.97	59	ENE	5	c	29.89	— .21	45	41	0	ENE	5	c	*	68	36	—
	Belfort ...	29.97	39	N	3	b	29.97	?	42	?	— 2	N	3	b	*	56	27	—
	Lyons ...	30.07	49	NE	3	b	30.06	— .12	41	35	0	NNW	6	c	*	55	35	—
	Nice ...	29.95	52	E	3	b	29.98	— .02	46	44	— 2	ENE	2	b	1	63	43	—
	Perpignan ...	29.98	54	E	2	bc	29.96	— .14	53	51	+ 3	NE	1	bc	*	61	44	—
	Biarritz ...	29.83	68	E	4	bc	29.76	— .23	53	48	+ 3	SE	3	bc	2	73	50	—

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 Sunday, 19th April, 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:

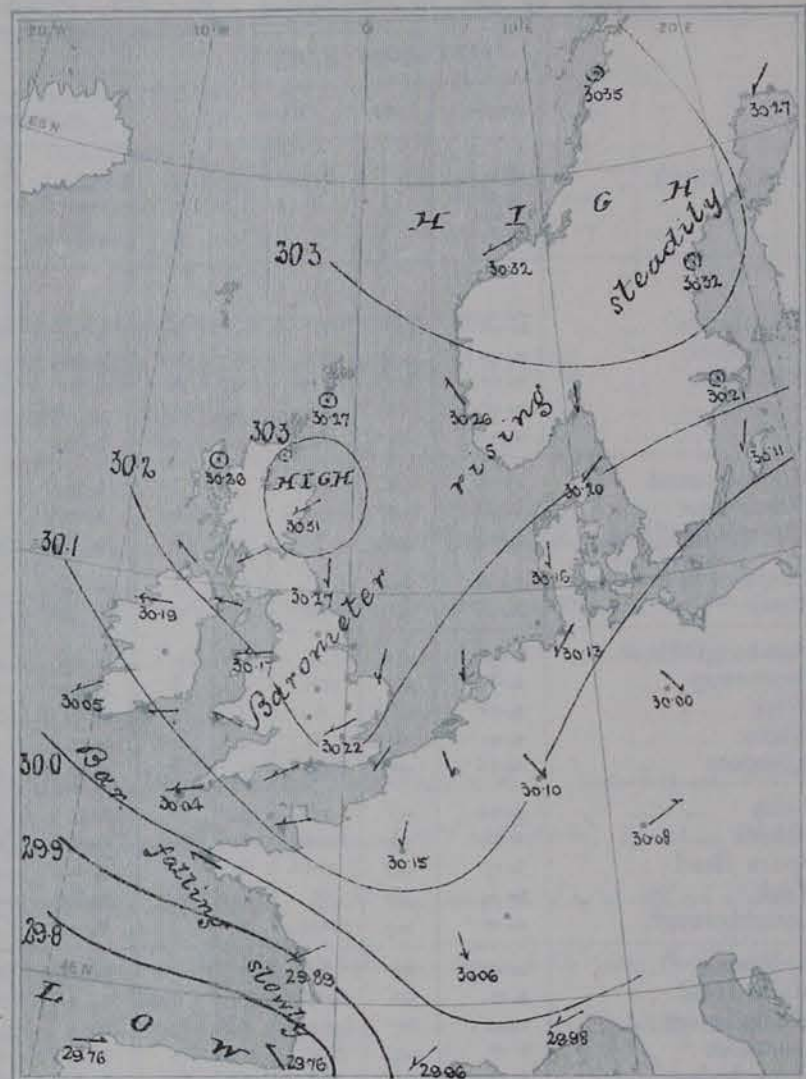
≡ = Rough. ≡ = High.

MEAN HEIGHT OF THE BAROMETER

at 8 a.m. for the month of April

During the 29 Years: 1871—1900.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.840
Stornoway	29.824
Wick	29.818
Nairn	29.848
Aberdeen	29.858
Leith	29.863
Shields	29.866
Spurn Head	29.863
York	29.875
Loughborough	29.879
Ardrossan	29.857
Mullaghmore	29.839
Donaghadee	29.839
Holyhead	29.847
Liverpool	29.867
Parsonstown	29.864
Valencia	29.854
Roche's Point	29.851
Pembroke	29.852
Sally	29.856
Prawle Point	29.870
Jersey	29.872
Hurst Castle	29.871
Dover	29.864
LONDON	29.878
Oxford	29.884
Cambridge	29.880
Yarmouth	29.872



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.

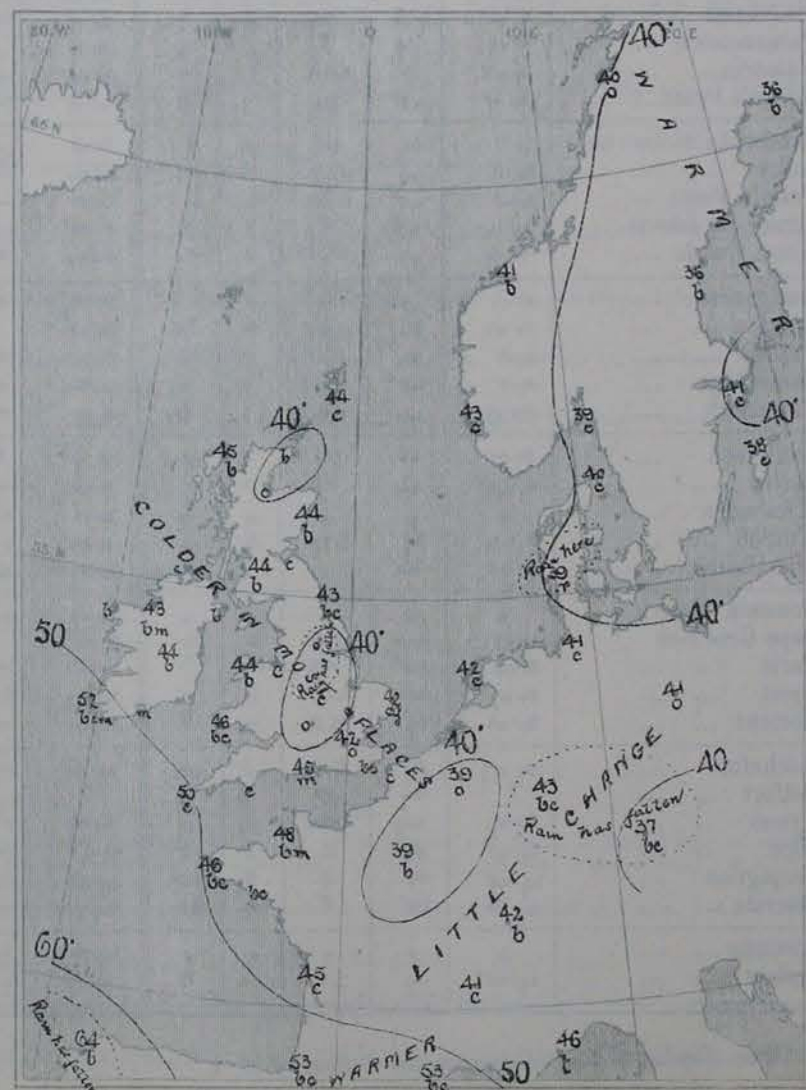
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of April.)

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	at 8 a.m. Dry	Wet.	
Sumburgh Head	46.0	36.7	41.7	40.2	2.07
Stornoway	48.0	37.2	40.8	42.3	2.65
Wick	48.9	36.9	40.1	41.2	1.63
Nairn	50.9	37.8	42.7	40.4	1.26
Aberdeen	49.3	38.0	42.2	40.7	2.16
Leith	52.0	37.9	43.1	41.7	1.67
Shields	49.0	38.6	43.5	41.4	1.80
Spurn Head	48.1	40.3	44.0	42.3	1.45
York	43.5	37.7	43.8	41.0	1.75
Loughborough	55.1	38.1	44.4	42.1	1.78
Ardrossan	51.5	39.5	44.4	42.1	2.14
Mullaghmore	51.9	42.3	45.8	43.0	2.65
Donaghadee	51.0	40.0	44.6	42.0	1.02
Holyhead	51.4	42.0	45.8	43.8	1.90
Liverpool	52.6	40.4	45.0	42.1	1.55
Parsonstown	54.6	38.0	45.0	42.5	2.04
Valencia	53.2	42.8	48.2	45.3	3.83
Roche's Point	53.7	42.1	46.8	44.5	3.24
Pembroke	50.4	41.9	45.2	43.4	1.94
Sally	52.1	41.7	48.6	46.6	2.27
Prawle Point	51.9	40.7	46.2	44.0	2.07
Jersey	54.2	43.5	48.5	45.9	2.08
Hurst Castle	52.1	41.0	45.5	41.2	1.83
Dover	51.1	41.5	45.3	44.0	1.77
LONDON	55.0	39.7	46.1	44.2	1.81
Oxford	51.0	38.0	41.4	43.1	1.78
Cambridge	55.8	37.3	45.2	43.0	1.69
Yarmouth	49.1	39.0	44.7	43.0	1.70

NOTE.—The Temperature means are for the 29 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 more to 30.2 in: over Scandinavia and the greater portion of the North Sea and British Isles.
Lowest, 29.8 in: and less, in a "hollow" extending eastwards from the Atlantic, over the northern part of Spain, 30.0 in: and less over Central Germany.
Gradient, slight in the north, moderate elsewhere.

TEMPERATURE

Barometer falling in the Bay of Biscay, France and over southern districts, rising slightly elsewhere.
Highest, 64° at Bremen, 58° at Lisbon, 53° at Perpignan and Biarritz, 52° at Valencia Island, 46° at Skenevallet, West, and Nise.
Lowest, 35° at York, 36° in the north of Sweden, 37° at Munich, 39° at Paris and Oxford, 42° in London.
 It rose to between 50° and 58° over our Islands yesterday, but fell fast again at night—sharp frost occurred in several places. Air keen and dry.

WIND

Fresh from the E^W over the Bay of Biscay, moderate over Ireland and the two Channels, nearly calm over Scotland and the north of Scandinavia; N^W to NE^S on our eastern coasts and the Netherlands, NW^W to SW^W over Germany; light NE^S in the south of France.

WEATHER

Fine and bright over all the northern and western parts of our area and in France; cloudy or overcast elsewhere.
 Rain fell locally during yesterday or in the night at Yano, over our north midland counties, over southern Germany, and over Spain.

SEA

Moderate at Yarmouth and Scilly, slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

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

DISTRICTS.

FORECASTS.

DISTRICTS.

FORECASTS.

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

None Issued

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

None Issued

WARNINGS

None Issued.

Notes. 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.

WIND								WIND							
THER:				THER:											
BAR:	D.	W.	D.	F.	WEA.	SEA	BAR:	D.	W.	D.	F.	WEA.	SEA		
Skudesnaes ...	30.19	50	42	NW	3	c	2	Holyhead ...	30.18	48	43	NNE	3	b	2
Sumburgh Head	30.25	47	45	L	0	b	2	Valencia ...	30.10	55	49	SE	4	c	4
Stornoway ...	30.25	48	40	NE	3	b	3	Scilly ...	30.20	52	49	ENE	4	bc	3
Aberdeen ...	30.22	47	44	ENE	4	bc	3	Jersey ...	30.16	54	46	SE	2	b	2
Shields ...	30.21	45	42	NNE	3	bc	3	Dungeness ...	30.17	49	44	SSE	2	b	2
Ardrossan ...	30.18	55	47	W	2	c	1	London ...	30.17	53	46	NE	1	c	*
Malin Head	30.19	48	45	ENE	2	b	1	Yarmouth ...	30.16	47	43	NNE	4	b	4
Mullaghmore ...	30.16	53	48	NNE	3	bc	2	Rochefort ...	30.04	68	62	ENE	4	b	2
Belmullet ...	30.15	51	48	ENE	2	o	*								

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

Weather in morning fine and bright over northern Europe, the western part of the British Isles, as well as at many stations over France and on the shores of the Mediterranean, dull and unsettled over eastern, southeastern and central Europe, with rain in places, as well as on the eastern shores of the North Sea. Rain later over several parts of Germany, Austria, and southern Russia, and also in some parts of Italy and Spain; a slight fall over our north-midland counties at night.

Temperatures in morning exceeding 60° at Comuna only, exceeding 50° over the western and southern parts of the Mediterranean, and touching that value at Valencia Island and Scilly. Lower elsewhere, and as low 17° at Archangel, 30° at Kiofis, 34° at Rize, 35° at Hovisand, 36° at Stockholm and Munich. Rising later to between 79° and 83° over the north of Spain, 77° at Chiem, and to nearly 70° over Italy and Algeria; not touching 60° in any part of our Islands, and failing to reach 50° at Shields, Malin Hd., Stornoway, and Aberdeen.

Wind nearly calm over extreme north of Europe and the Shetland Islands, N¹ to E¹ over the Baltic, Ireland, the west of the Bay of Biscay, and Spain, N² over the North Sea, NW¹ over western Germany, W¹ over Austria and south Germany, very variable elsewhere. Shifting to S. and SW. over the south of Spain later, and veering to NW. over Austria and N. in Western Germany; becoming quite calm over northern Europe.

Barometer highest 30.2 ins. and more to 30.1 ins. over the northern parts of Europe, the British Islands, and greater part of France; lowest 29.9 ins. and less, in several depressions over Germany, Hungary, and southern Russia, as well as over Portugal and neighbouring parts of the Atlantic. Rising over Northern Europe during day, changing very little elsewhere. Shallow hollow forming over Spain and moving 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 *Monday, 20th April, 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 2).	SHADE TEMP.				
			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.	Amount of Rainfall.
SCANDINAVIA.	Haparanda ...	30.29	34	Z	0	+	30.31	+ 04	36	32	0	NE	2	C	*	45	25		
	Hernösand ...	30.37	32	Z	0	+	30.37	+ 05	35	32	1	Z	0	C	*	50	25		
	Stockholm ...	30.31	37	Z	0	+	30.34	+ 18	40	36	1	Z	0	C	*	50	36		
	Wisby ...	30.12	38	F	2	+	30.27	+ 16	38	36	0	NNE	2	C	*	52	30		
	Bodö ...	30.37	40	Z	0	0	30.37	+ 02	40	36	0	N	2	C	1	48	36		
	Christiansund	30.36	42	NE	4	+	30.43	+ 11	40	38	1	SE	1	C	1	48	36		
	Skudesnaes ...	30.32	42	NW	1	+	30.38	+ 12	45	40	2	E	1	C	1	54	37		
	Christiania Fjord (Fjorder)	30.30	40	NW	2	+	30.38	+ 14	39	37	0	N	3	C	1	43	37		
	Skagen (The Scaw)	30.26	41	NE	1	+	30.33	+ 13	41	39	1	ESE	1	C	1	43	37		
	Fanö ...	30.26	39	Z	0	+	30.32	+ 10	45	42	3	Z	0	C	*	48	34		
BRITISH ISLANDS.	Sumburgh Head	30.30	44	NE	1	+	30.37	+ 10	44	42	0	NE	1	C	2	48	36		
	Stornoway ...	30.27	40	E	4	+	30.36	+ 10	46	45	1	E	3	C	3	48	33		
	Wick ...	30.34	45	E	1	+	30.42	+ 12	44	41	3	E	1	C	0	50	34		
	Nairn ...	30.26	48	ESE	2	+	30.38	+ 12	39	38	1	NW	1	C	1	49	35		
	Aberdeen ...	30.33	41	ESE	1	+	30.42	+ 11	35	34	1	ESE	1	C	1	48	31		
	Leith ...	30.28	48	E	2	+	30.40	+ 12	38	37	1	ENE	2	C	*	50	35		
	Shields ...	30.29	45	E	1	+	30.35	+ 08	43	41	0	E	1	C	2	49	39	0.03	
	Spurn Head ...	30.25	43	NE	3	+	30.31	+ 09	41	39	1	NNE	2	C	2	46	39		
	York ...	30.27	45	E	1	+	30.34	+ 07	39	38	1	N	1	C	*	49	28		
	Loughborough	30.24	46	NE	2	+	30.32	+ 07	43	39	4	NE	2	C	*	49	36		
GERMANY & HOLLAND.	Ardrossan ...	30.26	50	E	2	+	30.37	+ 11	42	40	2	ENE	2	C	1	53	33		
	Malin Head ...	30.23	45	E	3	+	30.32	+ 11	44	41	3	SE	3	C	1	47	40		
	Mullaghmore ...	30.18	50	E	5	+	30.28	+ 09	44	41	3	E	4	C	2	51	41		
	Belmullet ...	30.16	52	ESE	2	+	30.27	+ 12	47	44	3	E	2	C	*	53	44		
	Donaghadee ...	30.24	48	SE	2	+	30.36	+ 11	43	42	0	SE	3	C	1	50	42		
	Liverpool (Bidston)	30.23	46	E	3	+	30.35	+ 12	38	36	2	NNE	1	C	1	53	34		
	Holyhead ...	30.20	50	Z	0	+	30.31	+ 14	46	41	5	E	3	C	3	52	38		
	Parsonstown ...	30.14	52	Z	0	+	30.28	+ 13	46	43	3	Z	0	C	*	57	39		
	Valencia ...	30.10	54	ESE	3	+	30.20	+ 15	50	46	4	ESE	4	C	4	57	46		
	Roche's Point...	30.15	50	ESE	4	+	30.24	+ 14	48	45	3	ESE	4	C	4	52	44		
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	30.17	48	ESE	3	+	30.27	+ 14	43	41	2	E	3	C	2	52	38		
	Scilly ...	30.10	47	E	5	+	30.16	+ 12	47	44	3	E	5	C	4	50	43		
	Prawle Point ...	30.05	43	ENE	4	+	30.23	+ 10	43	41	2	ENE	4	C	3	47	40		
	Jersey (St. Aubin's)	30.08	48	NNE	5	+	30.18	+ 05	47	44	3	ENE	5	C	4	52	43		
	Hurst Castle ...	30.17	46	ESE	4	+	30.26	+ 07	45	43	0	ENE	5	C	2	52	40		
	Dungeness ...	30.17	45	ENE	4	+	30.23	+ 05	42	41	1	ENE	5	C	4	49	40		
	London ...	30.21	47	ENE	2	+	30.28	+ 06	43	40	3	ESE	2	C	*	49	39		
	Oxford ...	30.24	44	NE	2	+	30.31	+ 09	40	38	2	NE	1	C	*	50	35		
	Cambridge ...	30.25	46	E	1	+	30.31	+ 07	44	41	3	E	1	C	*	49	35		
	Yarmouth ...	30.22	42	ENE	4	+	30.29	+ 09	40	39	1	ENE	3	C	3	43	39		
PENINSULA.	Cuxhaven ...	30.19	44	NE	2	+	30.27	+ 14	42	40	2	NE	2	C	*	49	40		
	Berlin ...	30.14	44	NW	4	+	30.20	+ 20	41	40	0	N	3	C	*	48	39		
	Wiesbaden ...	*	*	*	*	*	30.20	+ 10	43	39	0	NE	2	C	*	50	34		
	Munich ...	30.11	37	SE	2	+	30.16	+ 08	35	34	1	E	3	C	*	45	28		
	The Helder ...	30.25	41	NNE	1	+	30.31	+ 14	43	41	2	ENE	1	C	1	45	39		
	Brussels (9 a.m.)	*	*	*	*	*	30.25	+ 08	36	36	0	NE	4	C	*	49	32	0.04	
	Cape Gris Nez	30.15	44	E	4	+	30.21	+ 05	42	41	1	E	4	C	4	50	37		
	Paris ...	30.09	50	NE	3	+	30.15	+ 00	40	37	3	NNE	3	C	*	57	35		
	Brest ...	29.99	55	E	4	+	30.12	+ 15	42	41	1	E	3	C	2	59	39		
	Lorient ...	29.96	58	E	5	+	30.06	+ 06	42	39	3	ENE	5	C	4	57	41		

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

† Received too late for insertion in *Chart* on p. 2.

WEATHER CHARTS

for 8 a.m. on Monday, 20th April, 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 tufts and feathers refer to force thus—

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

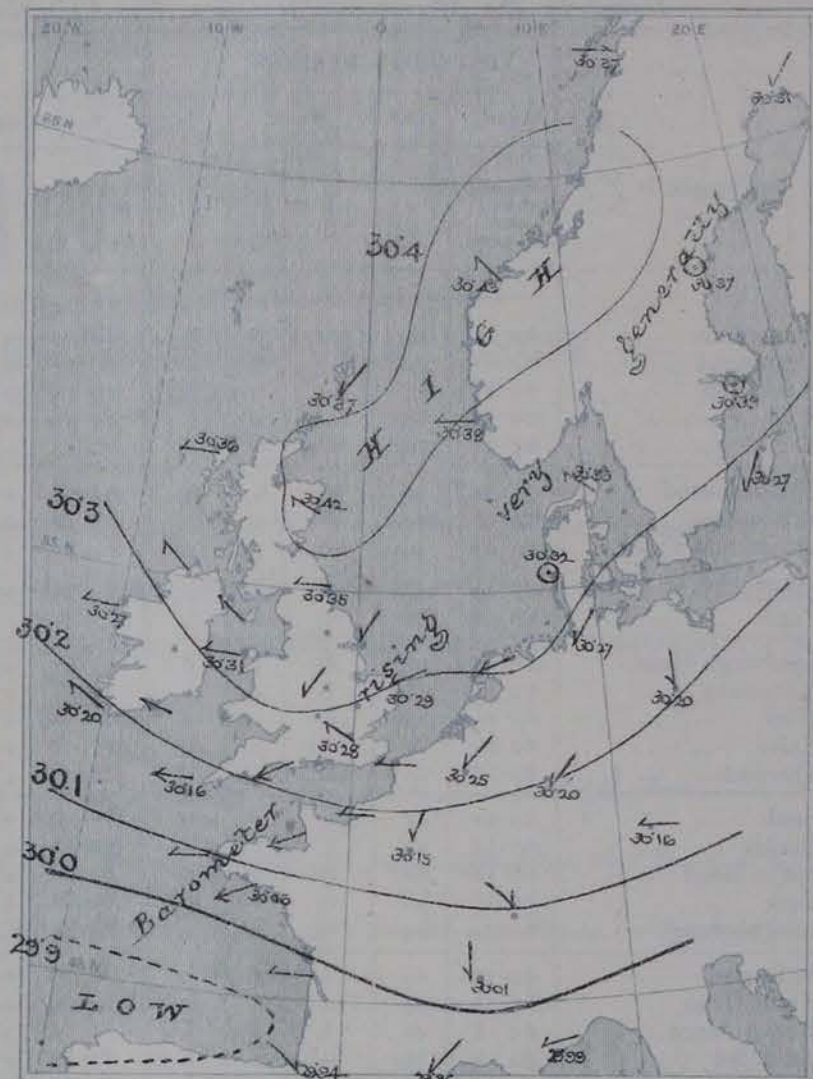
SEA DISTURBANCE—Where considerable, is shown thus:

☼ = Rough. ☼ = High.

MEAN HEIGHT OF THE BAROMETER

at 8.0 a.m. for the month of April
during the 20 Years 1871-1890.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.840
Stornoway	29.824
Wick	29.818
Nairn	29.818
Aberdeen	29.858
Leith	29.863
Shields	29.866
Spurn Head	29.863
York	29.875
Loughborough	29.879
Ardrossan	29.887
Mullaghmore	29.889
Donaghadee	29.859
Holyhead	29.857
Liverpool	29.867
Parsonstown	29.864
Valencia	29.861
Roche's Point	29.851
Pembroke	29.852
Sally	29.859
Prawle Point	29.876
Jersey	29.872
Hurst Castle	29.871
Dover	29.861
LONDON	29.878
Oxford	29.884
Cambridge	29.880
Yarmouth	29.872



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.

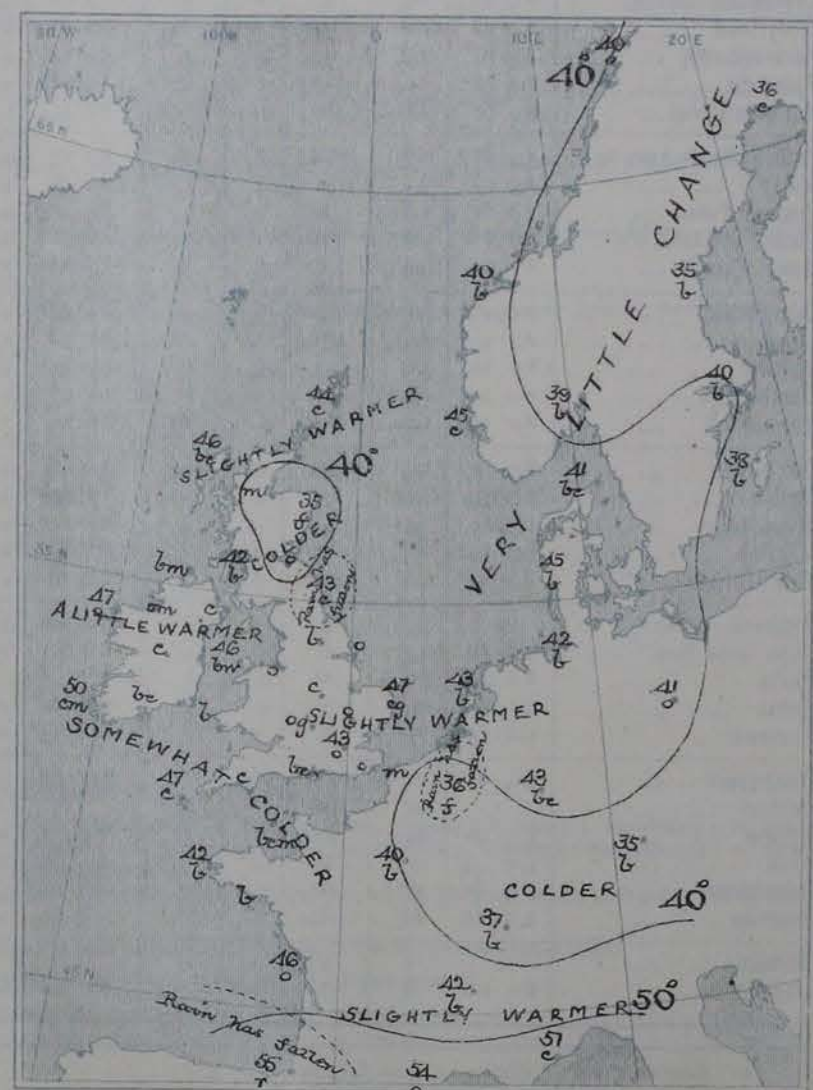
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of April.)

STATIONS.	TEMPERATURE.				RAINFALL (Inches.)
	Daily Max.	Daily Min.	Day.	Night.	
Sumburgh Head	40.0	36.7	41.7	40.2	2.07
Stornoway	48.9	37.2	43.2	42.3	2.65
Wick	48.9	39.9	43.1	41.2	1.68
Nairn	50.0	37.8	42.7	40.4	1.26
Aberdeen	49.4	38.0	43.2	40.7	2.10
Leith	52.0	37.9	41.1	41.7	1.57
Shields	40.0	38.0	43.3	41.4	1.80
Spurn Head	48.4	40.3	44.0	42.3	1.45
York	43.5	37.7	43.6	41.6	1.75
Loughborough	55.1	38.1	44.4	42.1	1.78
Ardrossan	54.5	39.5	44.4	42.1	2.14
Mullaghmore	51.0	42.3	45.3	43.0	2.05
Donaghadee	51.0	40.0	44.0	42.0	1.92
Holyhead	51.4	42.0	45.8	43.8	1.90
Liverpool	52.6	40.4	43.0	42.1	1.55
Parsonstown	54.6	38.0	45.0	42.5	2.04
Valencia	53.9	42.8	48.2	46.0	3.88
Roche's Point	53.7	42.1	46.8	44.5	3.24
Pembroke	50.1	41.9	45.2	43.4	1.94
Sally	52.1	44.7	48.6	46.6	2.27
Prawle Point	51.9	40.7	46.2	44.5	2.07
Jersey	54.2	43.5	48.5	45.9	2.08
Hurst Castle	52.1	41.0	45.5	44.2	1.83
Dover	51.1	41.5	45.3	44.0	1.77
LONDON	56.0	39.7	46.1	43.2	1.84
Oxford	54.0	38.9	44.4	42.1	1.78
Cambridge	55.8	37.3	45.2	43.0	1.69
Yarmouth	49.1	39.9	44.7	43.0	1.70

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 more, to 30.2 ins. over Scandinavia, the Baltic, the North Sea, and British Isles.
lowest, about 29.9 ins. over the southern part of the Bay of Biscay, and slightly below 30.0 ins. over the Gulf of Genoa and Lion.
Gradient slight, especially in the north.

Barometer rising except in the extreme south of France.

TEMPERATURE

Highest, 55° at Birmm, 54° at Perpignan, 51° at Nice, 50° at Palermo Island.

Lowest, 35° at Munich, Hermand, and Aberdeen, 36° at Naparanda, 38° at Leith, 39° at Harin and York, 40° at Paris, 43° at London.

It rose to between 50 and 55° over Ireland yesterday and to a still higher value over France, but did not reach 50° over the greater part of England. The preceding night was very cold.

WIND

N⁴ to NE¹ over the Baltic and north Germany, NE¹ to E³ over the North Sea, France, England, and the Bay of Biscay.
E² to SE⁶ in Ireland.

It is light in force in most places, but blew fresh over the Channel and the Bay of Biscay.

WEATHER

Fine and bright at most of the Continental stations, cloudy but dry over the greater part of our islands.
In the southwest of France the sky is overcast, and rain is falling at Biarritz.

SEA

Moderate in the Channel, slight or smooth at all the more northern stations.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The barometer has continued to rise in all parts of our islands and their neighbourhoods. Temperature remains very low for the time of year; the winds are NE¹ to E² — fresh in the Channel light generally elsewhere; the air is dry, and the sky, while clear at most of the Continental stations is cloudy over the United Kingdom, and in some places foggy.

The slight indications of change noticed in the extreme south yesterday have almost all disappeared, so that cold dry NE¹ winds are still probable.

FORECASTS

For the 24 hours ending at NOON on 21st April 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, cold, fair.

Same as N° 5

Same as N° 0 to 2

E² winds, moderate to fresh; cold, slight local showers possible.

DISTRICTS.

FORECASTS.

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

Same as N° 0 to 2.

Same as N° 5.

E² and SE² winds, moderate, cold, fair.

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 ...	30.29	54	45	W	2	C	1	Holyhead ...	30.20	50	45	E	2	C	2
Sumburgh Head ...								Valencia ...							
Stornoway ...	30.27	47	45	E	2	b	2	Scilly ...							
Aberdeen ...								Jersey ...	30.11	51	46	E	5	b	4
Shields ...								Dungeness ...	30.18	48	44	E	4	bc	3
Ardrossan ...								London ...							*
Mulin Head ...	30.22	47	44	ESE	3	b	2	Yarmouth ...							
Mullaghmore ...								Rocheport ...	29.95	60	55	E	6	O	*
Belmullet ...	30.16	51	46	E	3	O	*								

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

Weather fine and bright over northern, western and southern Europe as a whole, but cloudy in some localities; dull, gloomy and unsettled over eastern and central Europe, rainy at St. Petersburg, Copenhagen and Paris, foggy at Bala Poth. Rain later in the southwest of France, and slight showers at Brussels and North Shields, as well as in some parts of London.

Temperature lower at the western and northwestern stations, higher over Russia and Algeria than of late. Exceeding 60° over Algeria and at Comuna, exceeding 50° over southern Europe generally, and at Valencia Island, lower elsewhere. Lowest 33° to 40° over northern Russia, Finland and Lapland, 36° at Prague, 37° at Munich and Breslau, 39° at Brussels, Paris and Le Mans, 35° at York, 39° at Oxford and Loughborough, 42° in London. Rising during day to between 50° and 57° over Ireland, and to between 60° and 68° in the south and southwest of France.

Wind very light from the NE² over northern Europe and the Baltic, N² over the North Sea, NE² to E² over England and Ireland, moderate E² in the Channel, fresh over the Bay of Biscay. Very variable elsewhere, but mainly W² over Austria and S² to W² in Portugal. Freshening slightly in the English Channel and west of France later, and shifting to SW at Biarritz.

Barometer highest, (1) 30.3 ins. and more to 30.1 ins. over the whole of northern and northwestern Europe; (2) 30.2 ins. and more over central Russia, (3) about 30.0 ins. over the south of Spain, 29.8 ins. and less in a hollow over the north of Spain, and apparently still lower over the Atlantic, between lat. 40. and 45°, 30.0 ins. and less over southeastern Europe and part of north Germany, and rather below 29.9 ins. over Hungary. Very little change reported later.

SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD FROM THE 12TH TO 18TH APRIL 1891.

During this week the weather over the British Islands has been continuously cold and unseasonable; the wind (except for a short time on Monday, at our western and southwestern stations) has been NE² to NW² in direction, fresh to light in force. A considerable fall of rain occurred in the southwest at the beginning of the week, and slight showers of cold rain and hail have been reported almost daily on our northern and eastern coasts, but as a whole the air has been dry and "scorching".

The only depressions which have appeared have been:—

- (1) A complex system, which after reaching our western coasts early on Monday, broke into two, one part going northward and disappeared entirely, the other moving southeastward to the mouth of the Channel and finally dispersing over the Bay of Biscay.
- (2) A well-formed, but not deep system, which appeared over Germany on Monday and filled up there on Wednesday.
- (3) A well-formed but not deep system, which reached the Shetland Islands from the north-westward on Thursday, and travelling south-eastward, arrived near Heligoland on Friday, and over Germany on Saturday.

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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„ Weekly „ „ „ £1 10 0 „

DAILY WEATHER REPORT.

for TUESDAY 21ST APRIL. 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 ...	30.25	31	SW	2	C	30.15	-0.16	39	37	+3	N	2	C	.	43	25	—	
	Hernösand ...	30.33	37	S	0	C	30.32	-0.05	40	36	+5	S	0	C	.	35	25	—	
	Stockholm ...	30.38	41	2	0	C	30.32	-0.07	42	36	+2	S	0	C	.	32	28	—	
	Wisby ...	30.30	36	NE	4	C	30.26	-0.01	41	38	+3	SE	4	C	.	43	32	—	
	Bodö ...	30.34	39	W	4	0	30.32	-0.05	39	35	-1	WNW	4	C	2	41	37	0.12	
	Christiansund	30.45	42	NNE	4	C	30.46	+0.03	42	39	+2	ENE	2	C	1	48	36	—	
	Skudesnaes ...	30.40	45	N	1	C	30.40	+0.02	45	40	0	GSE	2	C	2	32	37	—	
	Christiania Fjord (Færd)	30.38	44	N	2	C	30.38	0.0	39	37	0	N	3	C	1	45	37	—	
	Skagen (The Scaw)	30.36	44	S	0	C	30.36	+0.03	44	42	+3	S	0	C	0	34	37	0.04	
	Fanö ...	30.34	40	N	1	C	30.34	+0.02	43	41	-2	NE	2	C	*	48	36	—	
BRITISH ISLANDS.	Sumburgh Head	30.42	45	NE	2	C	30.45	+0.03	45	42	+1	NE	2	C	3	47	37	—	
	Stornoway ...	30.40	46	E	4	C	30.41	+0.05	45	43	-1	E	4	C	4	49	34	—	
	Wick ...	30.44	40	E	2	C	30.46	+0.04	42	41	-2	2	0	C	0	50	35	—	
	Nairn ...	30.35	45	E	1	C	30.42	+0.04	39	38	0	E	1	0	1	53	37	—	
	Aberdeen ...	30.42	42	ENE	2	C	30.45	+0.03	39	38	+4	NW	1	C	1	48	35	0.18	
	Leith ...	30.38	45	ENE	2	C	30.40	0.0	45	41	+7	E	1	C	*	49	29	—	
	Shields ...	30.40	44	E	2	C	30.39	+0.04	41	39	-2	E	2	0	2	48	38	0.02	
	Spurn Head ...	30.33	43	ENE	3	0	30.32	+0.01	43	41	+2	ENE	4	C	3	44	40	0.16	
	York ...	30.36	48	ENE	2	C	30.36	+0.02	41	40	+2	ENE	1	0	*	50	36	0.19	
	Loughborough	30.32	46	NE	2	0	30.32	0.0	42	41	-1	NE	2	0m	*	49	40	0.01	
BRITISH ISLANDS.	Ardrossan ...	30.35	51	ENE	3	C	30.38	+0.01	47	43	+5	ENE	3	C	2	52	33	—	
	Malin Head ...	30.35	46	ENE	3	C	30.36	+0.04	42	40	-2	SE	3	C	1	48	38	—	
	Mullaghmore ...	30.32	50	E	4	C	30.34	+0.06	40	39	-4	E	5	C	3	52	37	—	
	Belmullet ...	30.30	52	ENE	2	C	30.31	+0.04	45	42	-2	E	2	C	*	55	36	—	
	Donaghadee ...	30.35	47	ENE	2	C	30.38	+0.02	40	39	-3	ENE	4	C	2	50	37	—	
	Liverpool (Bidston)	30.33	45	NNW	1	0	30.32	-0.03	42	40	+4	E	2	0	2	48	38	—	
	Holyhead ...	30.32	44	ENE	3	C	30.30	-0.01	42	41	-4	ENE	4	Cm	3	48	38	—	
	Parsonstown ...	30.29	48	2	0	C	30.28	0.0	41	40	-5	NE	1	0	*	54	34	—	
	Valencia ...	30.24	50	ESE	4	Cm	30.19	-0.01	48	44	-2	E	4	0m	5	54	42	—	
	Roche's Point...	30.26	47	ESE	4	C	30.28	-0.01	45	42	-3	E	4	m	4	51	40	—	
BRITISH ISLANDS.	Pembroke (St. Ann's Hd.)	30.28	45	W	1	C	30.23	-0.04	45	44	+2	E	3	C	2	48	40	—	
	Scilly ...	30.23	47	E	4	C	30.14	-0.02	47	44	0	E	4	0m	3	51	44	—	
	Prawle Point ...	30.24	45	ENE	3	C	30.19	-0.04	45	43	+2	ENE	4	0	3	48	41	—	
	Jersey (St. Aubin's)	30.19	49	ENE	4	Cm	30.18	0.0	47	45	0	E	3	Cm	3	53	44	—	
	Hurst Castle ...	30.25	47	E	4	C	30.22	-0.04	43	42	-2	NE	3	m	2	51	38	—	
	Dungeness ...	30.23	44	ENE	4	C	30.20	-0.03	46	44	+4	ENE	5	C	4	48	41	—	
	London ...	30.28	45	E	2	C	30.26	-0.02	46	43	+3	ESE	2	C	*	50	39	—	
	Oxford ...	30.30	44	NE	3	0	30.27	-0.04	43	41	+2	ENE	2	0	*	50	37	—	
	Cambridge ...	30.31	45	E	1	0	30.29	-0.02	45	43	+1	E	1	0	*	52	34	—	
	Yarmouth ...	30.31	43	NE	3	C	30.31	+0.02	43	41	+2	ENE	4	C	4	44	39	0.02	
GERMANY & HOLLAND.	Cuxhaven ...	30.33	43	N	3	C	30.33	+0.06	41	39	-1	E	2	C	*	47	39	—	
	Berlin ...	30.26	46	SE	3	0	30.28	+0.08	43	39	+2	NE	3	0	*	54	41	0.24	
	Wiesbaden ...	*	*	*	*	*	30.21	+0.01	43	41	0	2	0	*	54	39	—		
	Munich ...	30.17	39	E	4	C	30.18	+0.02	37	36	+2	E	2	C	*	48	28	—	
	The Helder ...	30.34	45	NE	2	C	30.31	0.0	42	41	-1	NE	2	C	3	48	41	—	
	Brussels (9 a.m.)	*	*	*	*	*	30.23	-0.02	44	42	+8	NE	2	C	*	53	34	—	
	Cape Gris Nez	30.24	42	NE	4	m	30.21	0.0	42	40	0	E	4	C	3	48	39	—	
	Paris ...	30.12	57	NE	3	C	30.18	+0.03	41	39	+1	NNE	2	C	*	63	36	—	
	Brest ...	30.15	54	ENE	4	C	30.15	+0.03	44	41	+2	E	2	C	2	64	39	—	
	Lorient ...	30.12	52	W	2	C	30.14	+0.08	45	42	+3	ENE	2	C	2	63	42	—	
FRANCE AND BELGIUM.	Rochefort ...	30.01	62	NE	3	C	30.09	+0.15	46	42	0	NE	3	C	*	72	36	—	
	Belfort ...	?	39	N	3	C	?	?	41	?	+4	N	3	C	*	56	35	—	
	Lyons ...	29.58	57	N	2	C	30.12	+0.11	46	41	+4	NE	1	C	*	62	41	—	
	Nice ...	29.58	54	ENE	2	C	30.02	+0.03	53	49	+2	ENE	2	C	0	61	46	—	
	Perpignan ...	30.01	57	E	2	C	30.09	+0.13	57	53	+2	W	2	C	*	63	50	—	
	Biarritz ...	30.04	54	N	6	0	30.12	+0.18	53	52	-2	SW	3	C	2	59	50	0.04	
	Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
	Lisbon ...	30.16	59	W	4	C	30.14	0.0	54	53	-3	S	0	f	5	64	52	—	

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 Tuesday, 21st April, 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.

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

their horns and feathers refer to force thus—

→ forces above 10 → forces 5 to 10.
→ forces 5 to 7 → forces 1 to 5.
→ do not rain.

SEA DISTURBANCE—Where considerable, is shown thus

= Rough = High.

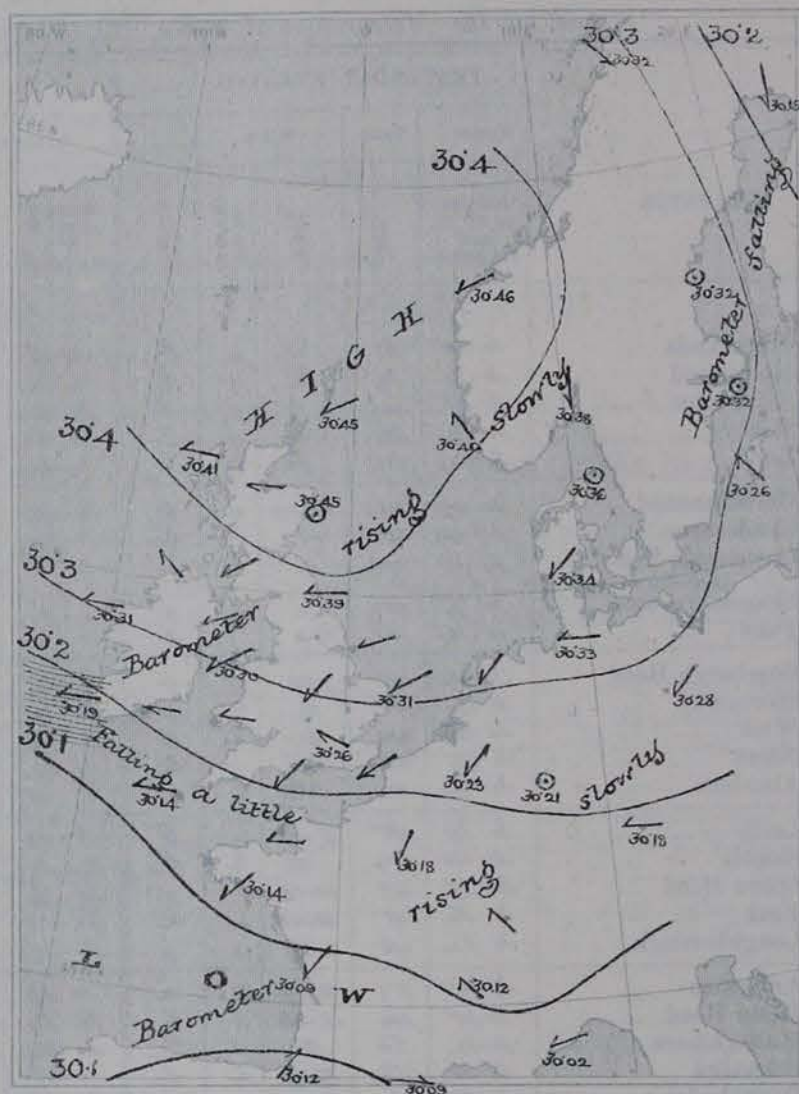
MEAN HEIGHT OF THE BAROMETER

at 8 a.m. for the month of April
During the 20 Years 1871-1890.

STATIONS.

MEAN READINGS.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.840
Stormway	29.824
Wick	29.848
Nairn	29.848
Aberdeen	29.858
Leith	29.863
Shields	29.866
Spurn Head	29.868
York	29.876
Loughborough	29.879
Androsson	29.887
Midghamere	29.890
Dunghadde	29.890
Holyhead	29.897
Liverpool	29.897
Parsonstown	29.894
Valencia	29.891
Roch's Point	29.891
Pembroke	29.892
Sally	29.896
Prawle Point	29.876
Jersey	29.871
Hurst Castle	29.871
Dover	29.871
LONDON	29.874
Oxford	29.874
Cambridge	29.880
Yarmouth	29.872



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 .05 in. or more are quoted in figures.

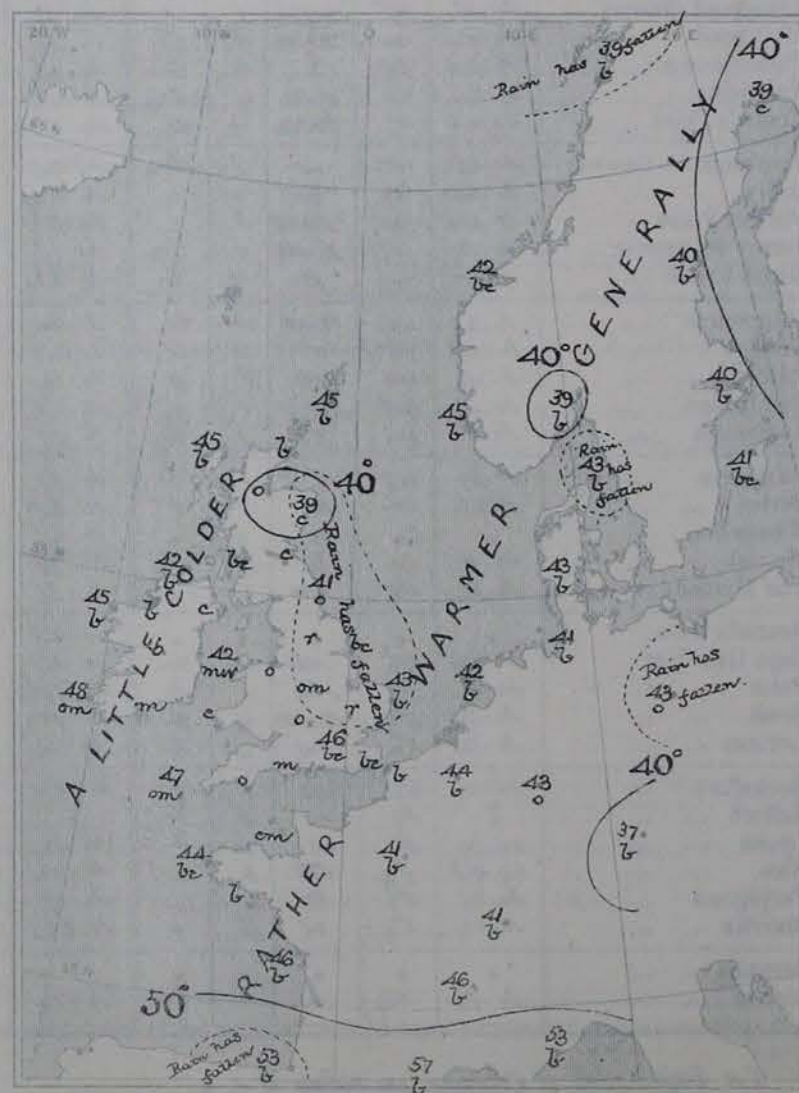
MEANS OF TEMPERATURE IN SHADE, AND RAINFALL

TEMPERATURE.

STATIONS.

STATIONS.	TEMPERATURE.				RAINFALL (Inches.)
	Ther- m. Max.	Daily Min.	at 8 a.m.	at 4 p.m.	
Sumburgh Head	46.0	36.7	41.7	40.2	2.07
Stormway	45.9	37.2	41.8	42.3	2.05
Wick	45.9	36.9	41.1	41.2	1.65
Nairn	46.0	37.3	42.7	40.4	1.26
Aberdeen	46.3	38.0	41.2	40.7	2.16
Leith	46.0	37.5	41.1	41.7	1.57
Shields	46.0	38.0	41.5	41.4	1.80
Spurn Head	46.4	40.7	43.0	42.3	4.43
York	45.5	37.7	43.8	41.0	1.75
Loughborough	45.4	38.1	41.4	42.1	1.78
Androsson	45.5	36.5	41.7	42.1	2.11
Midghamere	45.0	41.3	45.3	43.0	2.05
Dunghadde	45.0	40.0	44.0	42.0	1.92
Holyhead	45.4	42.0	45.8	43.8	1.90
Liverpool	46.0	40.1	46.0	42.1	1.65
Parsonstown	44.6	38.0	45.0	42.5	2.01
Valencia	46.0	42.5	48.2	45.6	3.83
Roch's Point	45.7	42.1	46.8	44.5	3.24
Pembroke	46.4	41.0	45.2	43.1	1.04
Sally	42.1	44.7	48.0	46.0	2.27
Prawle Point	45.0	40.7	48.2	44.6	2.07
Jersey	44.2	41.5	48.5	45.9	2.08
Hurst Castle	42.0	41.0	45.5	41.2	1.83
Dover	45.1	41.5	48.3	44.0	1.77
LONDON	46.0	39.7	40.1	43.2	1.84
Oxford	44.0	38.0	41.4	42.1	1.78
Cambridge	45.8	37.8	43.2	45.0	1.69
Yarmouth	45.1	39.6	41.7	43.0	1.70

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



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.4 in. and more, to 30.3 in. over all the northern parts of our Islands, the North Sea, and Scandinavia.
 Lowest, 30.1 in. and less, over the Bay of Biscay and the southwest and south of France. Over Spain it is higher.
 Gradients slight, and mainly favourable for NE and E winds.
 Barometer falling slightly on our southwestern and southern coasts, rising in the north and also over the southwestern parts of France.

TEMPERATURE

Highest, 57° at Perpignan, 54° at Lisbon, 53° at Biarritz and Nice, 47° at Bally, and 46° in London.
 Lowest, 37° at Munich, 33° at Haparanda, 30° at Aberdeen, and 29° at Harrogate, Shields, York and Paris.
 Frost occurred on the ground at most of the inland stations early this morning, but it was not sharp.

WIND

W at Bodo, N (but variable) over Scandinavia, NE over the North Sea, E over the British Islands, the Channel and France.
 In the southwest of France it is SW.

WEATHER

Fine as a whole, especially at the Continental stations.
 Rain fell last night over several of our northeastern counties and in North Germany, and in London the sky for a time had a very rainlike appearance. Lunar halos were seen at Hurst Castle and Jersey last evening.

SEA

Rather rough at Valencia Island, moderate at Rochepoint, in the Channel, and at Yarmouth; slight or smooth on our northwest north and northeast coasts.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

During the past 24 hours there has been hardly any change in the distribution of pressure over our Islands and their neighbourhood; E breeze, light to moderate in force are still prevalent, with fair weather, and temperature, though still low is inclined to rise a little in many places.

The low pressure area over the Bay of Biscay seems to be moving forward very slowly, and may bring changeable weather to our southwest coast shortly.

FORECASTS

For the 24 hours ending at NOON on 22nd APRIL 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, mainly E^{ly} or SE^{ly}; fine generally, very cold at night.
 E^{ly} breezes, moderate or light; fine, dry. Very cold at night.

DISTRICTS.

FORECASTS.

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

E^{ly} and SE^{ly} breezes, light, fine.
 E^{ly} and SE^{ly} breezes, moderate to fresh, fair as a whole, rain in places, less settled than of late.

WARNINGS

NONE ISSUED.

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 ...	30.40	52	44	WNW	4	c	2		Holyhead ...	30.33	48	42	ENE	3	3
Sumburgh Head ...	30.41	46	43	NE	2	b	3		Valencia ...	30.24	52	47	SE	5	cm
Stornoway ...	30.35	40	46	E	4	b	4		Scilly ...	30.22	50	48	E	5	c
Aberdeen ...	30.42	48	44	SE	2	b	1		Jersey ...	30.19	53	48	NE	4	bm
Shields ...	30.35	47	42	ESE	2	bc	2		Dungeness ...	30.24	48	44	ENE	5	bc
Ardrossan ...	30.36	52	46	ENE	3	c	2		London ...	30.28	48	40	SE	2	c
Malin Head ...	30.34	48	44	ESE	3	b	1		Yarmouth ...	30.31	44	42	ENE	3	c
Mullaghmore ...	30.31	51	44	E	4	bm	2		Rochefort ...	29.91	68	65	E	4	c
Belmullet ...	30.30	54	48	SE	2	o	*								

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

Weather in morning fine generally over all but the southwestern and southern parts of Europe, and in most places clear and bright, dull in the north of Spain, the southwest of France and south of Russia, with rain in several places, as well as at Trieste and Breslau. Local fall of rain over Central Germany and the northeastern part of Great Britain, slight showers at the Scaw and Kirby. Appearance of sky less settled than of late over England, lunar halo in south.

Temperature still low generally over western and northern Europe. Morning readings exceeding 60° at several Algerian stations, and exceeding 50° on the shores of the Mediterranean. Lower elsewhere; lowest (1) 23° at Archangel, 33° at Uleaborg, 34° at Kuopio; (2) 35° at Munich, 36° at Kassel, 37° at Bielefeld, 40° at Berlin; (3) 35° at Aberdeen, 38° at Leith, 39° at Harbin and York. Rising to between 48° and 52° over the greater part of England and Scotland later, and to 60° and more in many parts of France.

Wind light W³ at Bodo, NW¹ at Archangel, NE¹ over the Baltic, north Germany, and the Netherlands, E¹ over the Bay of Biscay, Channel, and British Islands, W¹ over Spain; NW¹ to SW¹ over Austria, variable elsewhere. W¹ wind freshening in north of Spain later.

Barometer highest (1) 30.4 in. and more to 30.2 in. over northwestern and northern Europe, (2) 30.1 in. and more to 30.0 in. over the Iberian Peninsula and Algeria. Lowest 29.0 in. and less, in a shallow depression over southern Russia, about 29.95 in. in another over the southern part of the Bay of Biscay, and 29.9 in. and less off C. Sicily. No decided change 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 Wednesday, 22nd April, 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 ...	30.17	32	NW	2	c	30.19	-0.16	37	33	-2	NW	2	c	*	45	25	-
	Hernösand ...	30.27	?	Z	0	b	30.23	-0.09	?	36	-?	N	2	c	*	61	30	-
	Stockholm ...	30.28	40	Z	0	b	30.24	-0.08	41	36	-1	Z	0	c	*	57	32	-
	Wisby ...	30.25	36	WNW	4	b	30.19	-0.07	37	36	-1	N	2	b	*	46	28	-
	Bodo ...	30.32	38	N	3	c	30.30	-0.23	39	37	0	N	6	c	3	39	34	-
	Christiansund	30.41	43	N	2	b	30.38	-0.08	41	38	-1	ENE	1	b	0	46	36	-
	Skudesnaes ...	30.34	43	WNW	1	b	30.33	-0.07	45	39	0	E	2	b	1	52	37	-
	Christiania Fjord (Færder)	30.32	43	SW	3	b	30.28	-0.10	41	38	+2	WNW	3	b	2	48	39	-
	Skagen (The Scaw)	30.30	42	NNE	1	b	30.25	-0.11	44	41	0	NE	1	b	1	54	41	-
	Fanø ...	30.29	44	NE	2	c	30.25	-0.09	44	41	+1	NE	2	b	*	54	36	-
BRITISH ISLANDS.	Sumburgh Head	30.43	44	NE	1	c	30.37	-0.08	43	42	-2	NE	1	c	2	48	38	0.08
	Stornoway ...	30.38	46	E	4	bc	30.36	-0.05	45	43	0	E	4	c	4	44	33	-
	Wick ...	30.42	40	E	1	b	30.38	-0.08	44	43	+2	ESE	2	bc	1	51	37	0.20
	Nairn ...	30.38	45	ESE	1	0	30.34	-0.08	41	40	+2	Z	0	c	1	47	31	0.02
	Aberdeen ...	30.38	44	NE	3	b	30.34	-0.11	43	41	+4	ENE	3	c	3	47	38	-
	Leith ...	30.35	45	NE	2	b	30.29	-0.11	43	41	-2	NE	3	c	*	50	37	0.04
	Shields ...	30.34	44	NE	2	b	30.29	-0.12	42	40	+1	E	1	cp	2	47	37	-
	Spurn Head ...	30.26	42	NE	4	b	30.20	-0.12	42	41	-1	NE	4	c	4	45	39	-
	York ...	30.31	45	ENE	1	bc	30.25	-0.11	41	39	0	E	2	0	*	50	31	0.01
	Loughborough	30.24	46	ENE	4	b	30.20	-0.12	40	39	-2	NE	3	ogm	*	52	37	-
GERMANY & HOLLAND.	Ardrossan ...	30.30	47	ENE	3	b	30.27	-0.11	45	44	-2	ENE	4	b	2	51	35	-
	Malin Head ...	30.26	45	ENE	4	cm	30.23	-0.13	42	40	0	SE	5	b	2	46	40	-
	Mullaghmore ...	30.22	49	E	5	bc	30.19	-0.15	42	39	+2	ENE	6	cm	4	49	40	-
	Belmullet ...	30.20	50	E	4	b	30.14	-0.17	44	42	-1	E	4	0	*	52	39	-
	Donaghadee ...	30.28	46	ENE	3	c	30.24	-0.14	44	43	+4	ENE	4	b	2	50	40	0.04
	Liverpool (Bliston)	30.22	45	ENE	5	bc	30.20	-0.12	41	38	-1	E	3	c	3	48	36	0.02
	Holyhead ...	30.20	46	E	3	c	30.15	-0.15	41	39	-1	E	5	c	5	51	39	0.01
	Parsonstown ...	30.17	49	NE	1	0	30.11	-0.17	43	41	+2	NE	1	0	*	52	39	-
	Valencia ...	30.07	52	ESE	4	bcm	29.96	-0.23	49	45	+1	E	4	om	5	54	44	-
	Roche's Point...	30.12	48	ESE	5	c	30.01	-0.22	46	43	+1	E	5	m	4	51	44	-
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	30.15	49	ESE	3	c	30.04	-0.19	43	41	-2	E	4	og	3	51	41	0.02
	Scilly ...	30.04	49	E	5	c	29.91	-0.23	47	46	0	E	5	+	4	51	45	0.24
	Prawle Point...	30.11	46	ENE	3	bc	30.00	-0.19	42	42	-3	ENE	4	og	4	50	42	0.09
	Jersey (St. Aubin's)	30.08	55	NE	2	bc	29.97	-0.21	49	47	+2	ENE	5	ogm	4	61	46	-
	Hurst Castle ...	30.14	51	ESE	4	bc	30.08	-0.14	43	42	0	ENE	5	0	2	56	42	-
	Dungeness ...	30.15	45	ENE	5	bc	30.08	-0.12	45	43	-1	ENE	5	c	4	50	41	-
	London ...	30.18	48	ESE	2	bc	30.14	-0.12	42	40	-4	ENE	4	0	*	57	38	-
	Oxford ...	30.18	45	ESE	1	0	30.15	-0.12	39	38	-4	NE	3	0	*	56	37	-
	Cambridge ...	30.23	46	E	1	b	30.16	-0.13	44	42	-1	NE	1	0	*	58	35	-
	Yarmouth ...	30.24	42	ENE	5	bc	30.16	-0.15	43	42	0	NE	4	c	3	44	38	-
PENIN- SULA.	Cuxhaven ...	30.29	47	SE	2	b	30.25	-0.08	43	41	+2	ENE	2	b	*	50	41	-
	Berlin ...	30.21	47	NNE	4	b	30.16	-0.12	42	39	-1	NE	4	b	*	54	36	-
	Wiesbaden ...	*	*	*	*	*	30.08	-0.13	48	44	+5	NE	1	b	*	57	39	-
	Munich ...	30.11	43	E	5	b	30.04	-0.14	39	37	+2	E	2	b	*	52	28	-
	The Helder ...	30.11	43	NE	2	b	30.16	-0.15	43	41	+1	ENE	2	c	3	48	41	-
	Brussels (9 a.m.)	*	*	*	*	*	30.09	-0.14	40	40	-4	NE	2	f	*	54	36	-
	Cape Gris Nez	30.15	45	ENE	4	bc	30.07	-0.14	43	42	+1	ENE	4	0	4	50	39	-
	Paris ...	30.08	59	NNE	2	b	30.04	-0.14	45	42	+4	NE	1	c	*	64	40	-
	Brest ...	30.07	60	Z	0	bc	29.95	-0.20	48	47	+4	SE	3	0	2	61	41	-
	Lorient ...	30.04	54	Z	0	c	29.93	-0.21	50	47	+5	Z	0	T	3	61	45	-
PENIN- SULA.	Rochefort ...	29.97	55	WNW	3	b	29.97	-0.12	52	51	+6	WSW	3	0	2	68	41	-
	Belfort ...	?	52	N	2	b	?	?	49	?	+8	N	3	c	*	58	33	-
	Lyons ...	30.03	59	NNE	2	b	30.02	-0.10	48	41	+2	NNE	1	b	+	64	44	-
	Nice ...	30.04	53	SW	3	c	30.04	+0.02	53	49	0	ENE	2	b	0	64	46	-
	Perpignan ...	30.02	62	S	2	b	30.00	-0.09	56	54	-1	Z	0	c	*	72	50	-
	Biarritz ...	30.05	59	Z	0	b	29.98	-0.14	52	50	-1	SW	2	T	0	66	50	-

WEATHER CHARTS

for 8 a.m. on Wednesday, 22nd April, 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 6 to 7 → forces 4 to 6.

→ forces 1 to 4.

SEA DISTURBANCE—Where considerable, is shown thus—

→ Rough. → High.

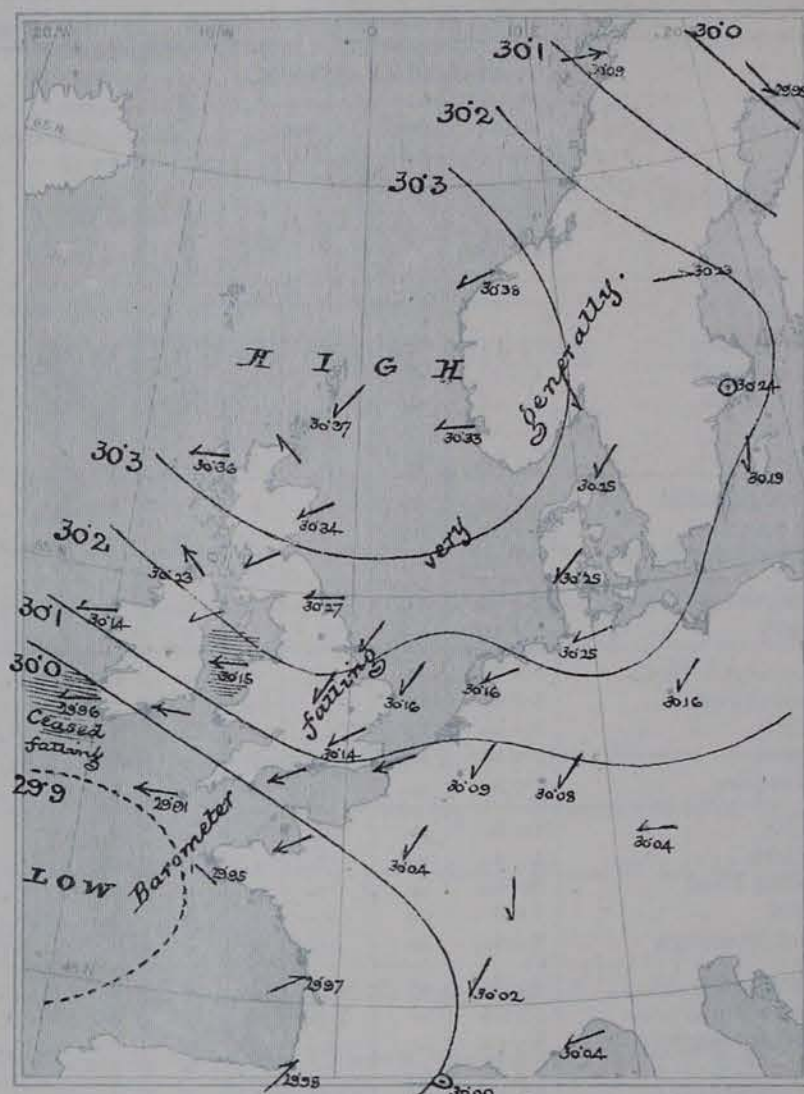
MEAN HEIGHT OF THE BAROMETER

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

STATIONS.

MEAN READINGS.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.840
Stornoway	29.824
Wick	29.818
Nairn	29.848
Aberdeen	29.858
Leith	29.868
Shields	29.860
Spurn Head	29.863
York	29.875
Loughborough	29.879
Androssan	29.867
Mullaghmore	29.869
Donaghadee	29.879
Holyhead	29.847
Liverpool	29.867
Parsonstown	29.861
Valencia	29.851
Roche's Point	29.851
Pembroke	29.852
Seilly	29.836
Prawle Point	29.876
Jersey	29.872
Hurst Castle	29.871
Dover	29.864
LONDON	29.878
Oxford	29.881
Cambridge	29.889
Yarmouth	29.872



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 April.)

STATIONS.	TEMPERATURE.				RAINFALL Inches.
	Daily Max.	Daily Min.	Day.	Night.	
Sumburgh Head	40.0	33.7	41.7	40.2	2.07
Stornoway	45.9	37.2	45.8	42.3	2.65
Wick	48.5	30.9	43.1	41.2	1.08
Nairn	50.0	37.3	42.7	40.4	1.26
Aberdeen	49.3	38.0	43.2	40.7	2.16
Leith	52.0	37.0	44.1	41.7	1.67
Shields	49.0	38.0	43.5	41.4	1.80
Spurn Head	45.4	40.3	44.0	42.3	1.45
York	43.6	37.7	43.5	41.6	1.75
Loughborough	55.1	38.1	44.4	42.1	1.78
Androssan	51.5	39.5	41.1	42.1	2.11
Mullaghmore	51.0	42.3	45.3	43.0	2.05
Donaghadee	51.0	40.0	44.6	42.9	1.92
Holyhead	51.4	42.0	45.8	43.8	1.00
Liverpool	52.6	40.4	45.0	42.1	1.66
Parsonstown	51.6	38.0	45.0	42.5	2.01
Valencia	53.9	42.8	48.2	45.0	3.83
Roche's Point	53.7	42.1	46.8	44.5	3.24
Pembroke	50.4	41.0	45.2	43.1	1.04
Seilly	52.1	44.7	48.6	46.6	2.27
Prawle Point	51.0	40.7	46.2	44.6	2.07
Jersey	54.2	43.5	48.5	45.9	2.08
Hurst Castle	52.1	41.0	45.5	44.2	1.85
Dover	51.1	41.5	46.5	44.0	1.77
LONDON	50.0	39.7	46.1	44.2	1.84
Oxford	54.0	38.0	44.4	42.1	1.78
Cambridge	55.8	37.3	45.2	43.0	1.00
Yarmouth	49.1	39.0	44.5	43.0	1.70

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 more to 30.2 in. in an arching plane covering the northern part of our Islands, the North Sea, and greater part of Scandinavia.
 Lowest, 30.0 in. and less, both in a depression over the Bay of Biscay, and also over the eastern parts of Iceland.
 Gradients moderate over the western and southern parts of our Islands, slight elsewhere.
 Barometer has ceased falling on our southern coasts and apparently in London also.

TEMPERATURE

Highest, 58° at Lisbon, 56° at Perpignan, 53° at Nice, 52° in the southwest of France, and 49° at Valencia Island.
 Lowest, 37° at Haparanda and Nixby, 39° at Bonn, Oxford and Munich, 41° at Stockholm and York, 42° in London.
 It rose to between 55° and 58° in many parts of England, and to 60° and more in Jersey and the west of France yesterday, to 68° at Lisbon and to 72° at Perpignan.

WIND

W in Lapland, (strong at Bodø), N over Scandinavia, NE over Denmark, Germany, and France, NE to E in our Islands, blowing freely at the Channel stations and in the south of Ireland.
 In the southwest of France, however, it is SW.

WEATHER

Still fine and bright over the countries lying to the eastward of the North Sea, fair in Scotland, cloudy or overcast elsewhere, with rain over the southwestern counties of England, at Orient and Shields. There has been some rain at our northern and northwestern stations generally during the past day. Solar and lunar halos were seen at many of the southern stations yesterday.

SEA

Rather rough at Valencia Island and Holyhead, moderate at the southern stations, and locally in several other places, slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The low pressure system over the Bay of Biscay has increased in intensity and moved northwards, but is by no means deep. Another disturbance seems to be passing towards northern France from the north-westward, and is causing a reduction of pressure in Lapland.

The general condition is decidedly less settled than it has been for some days past, but there is nothing of a threatening character in any district.

FORECASTS

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

DISTRICTS.

FORECASTS.

DISTRICTS.

FORECASTS.

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

NE^{ly} to NW^{ly} winds, light to moderate; cold, fair generally.
 Same as No 5
 NE^{ly} winds, moderate; drizzle, cold, perhaps local showers.
 NE^{ly} and E^{ly} winds, fresh; cloudy, cold, some rain.

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

NE^{ly} and E^{ly} winds, moderate; fair, cold.
 Same as No 5
 Same as No 6 and 7.
 E^{ly} winds, fresh; fair, cold.

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	52	45	W.S.W	3	6	2		Holyhead ...	30.25	50	45	E.N.E	3	6
Sumburgh Head ...	30.46	45	42	N.E	2	0	3		Valencia ...	30.12	51	48	E	4	0 m
Stornoway ...	30.41	49	45	S.E	4	6	4		Scilly ...	30.10	51	48	E.N.E	4	m
Aberdeen ...	30.42	46	43	E.N.E	2	6	2		Jersey ...	30.14	60	52	E	3	6 c
Shields ...	30.38	45	42	N.E	2	30	2		Dungeness ...	30.19	49	46	E.N.E	5	6 c
Ardrossan ...	30.33	49	47	E.N.E	3	0	2		London ...	30.21	53	48	E	2	6 c
Malin Head ...	30.34	46	42	E	3	6	1		Yarmouth ...	30.30	44	42	E.N.E	4	6
Mullaghmore ...	30.29	48	42	E	5	6	4		Rocheport ...	30.07	51	?	W.W	2	6
Belmullet ...	30.26	52	45	E.N.E	4	6	*								

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

Weather in morning fine and bright over nearly the whole of Europe, but overcast at our western end and many of the southern stations, as well as over North Germany, the Balkan Peninsula, and the southeastern parts of the Mediterranean. Slight rain at York and Cambridge, also at Brindisi, ^{and} ~~Capri~~. Some rain later in Scotland and the north of Ireland, and later still over the southwestern parts of England. Stars and lunar halo seen at many of our southern stations and at Brindisi.

Temperature changing little and irregularly. Exceeding 60° at a few of the extreme southern stations only, and exceeding 50° over southern, southern, and southwestern Europe. Much lower elsewhere. Lowest 25° at Archangel, 33° at Moscow, 32° at St. Petersburg, 37° at Hermanstadt, Cracow, and Munich, 39° at Le Mans, Aberdeen, Stander, Haparanda and Rosö. Rising during day to between 50° and 58° in many parts of our Islands, to between 60° and 68° over the Channel Islands, the greater part of France, and at Lisbon, and to 72° at Perpignan.

Wind light generally, NW over Lapland, N to NE over Denmark, western Germany, the North Sea, and France, E over Ireland, England, the Channel, and Bay of Biscay, SW in the north of Spain. SE to NE winds reported over southern Europe and the eastern part of the Mediterranean. The SW wind extending to the southwest of France later, hardly any change elsewhere.

Barometre highest 30.4 in. and more to 30.2 in. in a large anticyclone covering the whole of northwestern Europe, and spreading eastward in the form of a "col" over northern and central Russia; 30.1 in. and more in a smaller system over Spain and the western part of the Mediterranean. Lowest, 29.7 in. in a depression lying to the southward of Malta, about 30.0 in. and less, in another approaching our southwestern coast from the southwestward, and below 30.2 in. over the Kola Peninsula and the White Sea. Falling generally during the day, most over Brittany and the southwest of the British 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).

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, 23rd April, 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.	Min.		
SCANDINAVIA.	Haparanda ...	29.73	34	W	2	0	29.84	- 15	31	30	- 6	N	6	bc	*	43	25		
	Hernösand ...	30.01	41	W	2	0	29.93	- 30	44	39	- 5	NW	2	b	*	55	28		
	Stockholm ...	30.14	39	W	0	0	30.03	- 21	42	36	- 6	N	2	b	*	55	36		
	Wisby ...	30.15	35	NE	2	bc	30.04	- 15	38	36	- 2	WSW	4	b	*	43	30		
	Bodö ...	30.07	37	NW	4	0	30.08	- 01	35	33	- 2	NW	4	b	2	39	32		
	Christiansund	30.30	42	NW	4	0	30.22	- 16	42	39	- 3	NW	5	r	4	45	41	0.04	
	Skudesnaes ...	30.25	43	NW	5	b	30.13	- 20	44	41	- 3	NW	2	bc	2	50	36		
	Christiania Fjord (Fæder)	30.20	44	W	0	c	30.14	- 14	41	38	- 3	NW	3	b	1	48	39		
	Skagen (The Scaw)	30.15	43	W	0	b	30.13	- 12	44	41	- 3	N	1	b	0	52	39		
	Fanö ...	30.17	41	NE	2	b	30.15	- 10	42	40	- 2	NW	2	b	*	54	34		
BRITISH ISLANDS.	Sumburgh Head	30.38	43	NE	2	c	30.38	+ 01	43	41	- 2	NE	1	0	2	46	38	0.05	
	Stornoway ...	30.32	46	NE	5	b	30.38	+ 02	44	42	- 2	E	4	c	4	48	32		
	Wick ...	30.37	45	E	1	b	30.41	+ 03	43	41	- 2	E	2	0	1	52	35	0.03	
	Nairn ...	30.31	46	NE	3	b	30.36	+ 02	42	40	- 2	NE	1	c	2	47	32		
	Aberdeen ...	30.34	43	E	1	b	30.35	+ 01	45	41	- 4	NE	2	c	2	47	40		
	Leith ...	30.30	47	NE	3	c	30.33	+ 04	44	42	- 2	NE	4	0	*	49	41		
	Shields ...	30.26	45	NE	2	bc	30.28	+ 01	44	41	- 3	NE	2	c	2	47	40		
	Spurn Head ...	30.15	45	NE	4	bc	30.17	- 03	46	43	- 3	NE	5	b	4	48	40		
	York ...	30.20	49	E	2	b	30.23	- 02	45	42	- 3	NNE	2	b	*	52	33		
	Loughborough	30.13	47	ESE	4	b	30.16	- 04	45	42	- 3	NE	4	b	*	53	36		
GERMANY & HOLLAND.	Ardrossan ...	30.22	48	ESE	4	b	30.31	+ 04	47	42	- 5	ESE	4	b	2	52	36		
	Malin Head ...	30.19	46	ESE	3	cm	30.29	+ 06	44	42	- 2	ESE	4	b	2	48	41		
	Mullaghmore ...	30.13	49	ESE	6	b	30.23	+ 04	43	40	- 3	E	5	b	4	49	40		
	Belmullet ...	30.11	50	E	5	b	30.19	+ 05	46	42	- 4	E	3	bc	*	52	40		
	Donaghadee ...	30.19	48	ESE	3	c	30.29	+ 05	44	42	- 2	E	6	b	5	52	42		
	Liverpool (Bidston)	30.12	49	ESE	5	b	30.19	- 01	46	40	- 6	ESE	4	b	4	51	38		
	Holyhead ...	30.10	48	E	4	bc	30.19	+ 04	44	41	- 3	E	5	b	5	50	39		
	Parsonstown ...	30.07	49	ESE	1	b	30.12	+ 01	45	44	- 1	ESE	2	bc	*	52	37		
	Valencia ...	29.95	48	E	5	om	30.01	+ 05	46	43	- 3	ESE	4	og	4	50	44		
	Roche's Point...	29.99	45	ESE	6	gyp	30.01	- 00	46	43	- 3	E	6	og	5	49	43	0.20	
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	30.01	46	ESE	4	0	30.02	- 02	45	43	- 2	E	4	c	3	47	42	0.02	
	Scilly ...	29.86	47	E	5	om	29.83	- 08	46	45	- 1	E	4	r	6	47	44	0.15	
	Prawle Point ...	29.96	45	ESE	5	0	29.95	- 05	44	43	- 1	ESE	5	ogm	4	45	41	0.04	
	Jersey (St. Aubin's)	29.92	49	E	5	ogm	29.91	- 06	49	47	- 2	E	5	bcm	4	54	46		
	Hurst Castle ...	30.00	48	E	4	om	30.03	- 05	47	45	- 2	E	6	cm	2	56	42		
	Dungeness ...	30.02	45	ESE	5	bc	30.01	- 07	47	44	- 3	ESE	5	bc	4	51	42		
	London ...	30.08	46	ESE	3	0	30.08	- 06	49	44	- 5	NE	4	b	*	52	39		
	Oxford ...	30.08	45	E	2	0	30.10	- 05	46	43	- 3	NE	4	b	*	51	37		
	Cambridge ...	30.11	44	E	1	0	30.12	- 04	48	45	- 3	NE	1	b	*	52	35		
	Yarmouth ...	30.11	44	ESE	5	cy	30.13	- 03	44	43	- 1	NE	5	b	4	45	40		
GERMANY & HOLLAND.	Cuxhaven ...	30.16	46	ESE	2	b	30.15	- 10	43	42	- 1	ESE	1	b	*	50	42		
	Berlin ...	30.08	48	NNE	4	c	30.05	- 11	41	37	- 4	N	4	b	*	54	34		
	Wiesbaden ...	*	*	*	*	*	29.98	- 10	47	43	- 4	N	2	b	*	61	41		
	Munich ...	29.98	45	SW	1	0	29.91	- 13	45	41	- 4	W	4	c	*	55	39		
	The Helder ...	30.12	45	NE	4	b	30.13	- 03	45	42	- 3	NE	2	b	3	50	43		
	Brussels (9 a.m.)	*	*	*	*	*	29.99	- 10	42	40	- 2	NE	3	b	*	53	34		
	Cape Gris Nez	30.01	44	ESE	4	bc	29.99	- 08	40	40	- 0	E	4	b	4	50	37		
	Paris ...	29.94	58	NE	1	m	29.93	- 11	45	42	- 3	NNE	2	b	*	62	39		
	Brest ...	29.93	56	W	0	0	29.80	- 15	52	48	- 4	SE	3	b	3	63	46	0.35	
	Lorient ...	29.89	53	W	0	0	29.81	- 12	50	49	- 1	E	3	r	3	54	48	0.12	
FRANCE AND BELGIUM.	Rochefort ...	29.83	53	S	3	0	29.76	- 21	50	49	- 1	ESE	3	0	*	55	39		
	Belfort ...	?	57	NW	4	0	?	?	53	46	- 7	N	3	0	*	65	44		
	Lyons ...	29.82	62	SSE	2	0	29.89	- 13	50	47	- 3	N	1	c	*	70	48	0.04	
	Nice ...	30.01	51	SW	2	bc	29.92	- 12	49	48	- 1	W	2	r	1	63	46	0.20	
	Perpignan ...	29.92	60	W	0	0	29.86	- 14	54	53	- 1	SW	2	b	*	67	45		
	Biarritz ...	29.89	59	NNE	3	b	29.80	- 18	55	53	- 2	SW	1	r	1	64	52		
	Corunna ...	*	*	*	*	*	30.02	- 03	57	54	- 3	SW	3	bc	5	64	54		
	Lisbon ...	30.01	59	NW	4	bc	30.02	- 03	57	54	- 3	SW	3	bc	5	64	54		

WEATHER CHARTS

for 8 a.m. on Thursday, 23rd April, 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.

— land entry.

SEA DISTURBANCE—Where considerable, is shown thus—

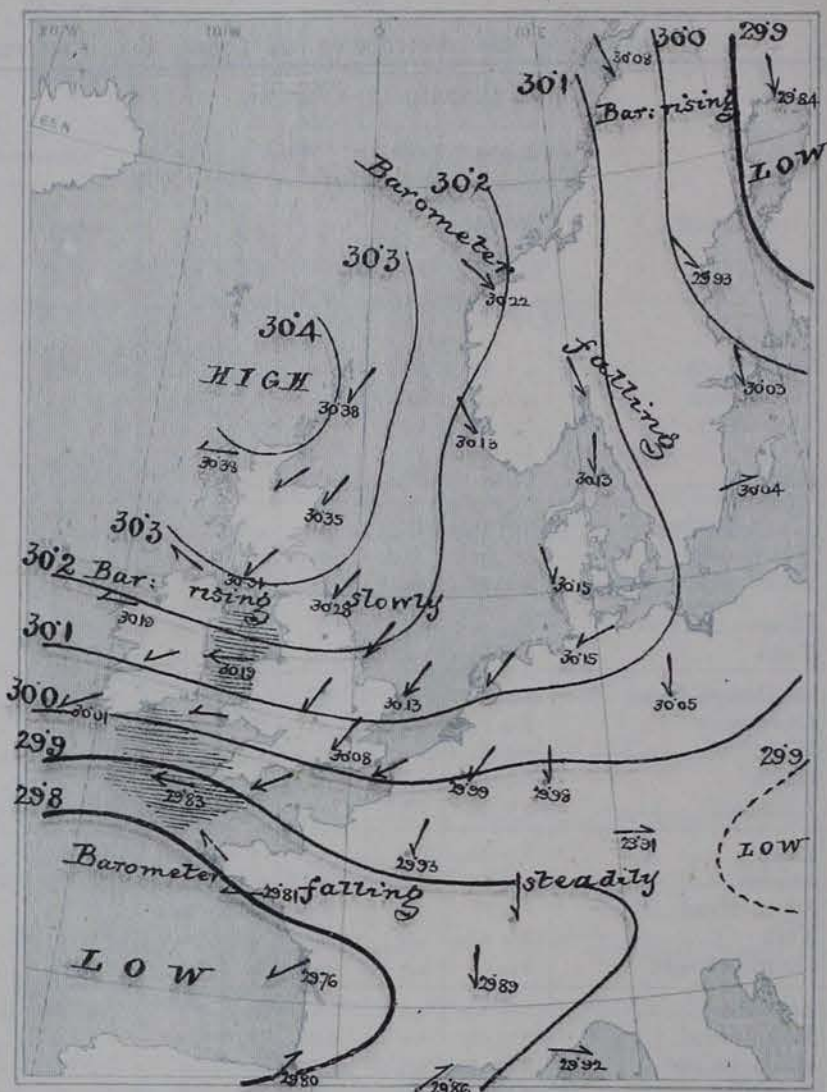
— Rough. — High.

MEAN HEIGHT OF THE BAROMETER

at 8 a.m. for the month of April

During the 20 years 1871—1890.

STATIONS.	MEAN READINGS.
Sanlburgh Head	29.840
Stormway	29.824
Wick	29.848
Nairn	29.848
Aberdeen	29.858
Leith	29.868
Shields	29.866
Spurn Head	29.869
York	29.875
Loughborough	29.879
Ardrossan	29.857
Mullaghmore	29.830
Donaghadee	29.859
Holyhead	29.877
Liverpool	29.867
Parsonstown	29.864
Valencia	29.851
Roshe's Point	29.871
Pembroke	29.852
Sally	29.856
Prawle Point	29.876
Jersey	29.872
Hurst Castle	29.871
Dover	29.864
LONDON	29.874
Oxford	29.844
Cambridge	29.889
Yarmouth	29.872



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 April.)

STATIONS.	TEMPERATURE.				RAINFALL. (Inches)
	Daily Max.	Daily Min.	Day.	Night.	
Sanlburgh Head	46.0	36.7	41.7	40.2	2.07
Stormway	48.9	37.2	43.8	42.3	2.65
Wick	48.9	36.9	43.1	41.2	1.08
Nairn	50.9	37.3	42.7	40.4	1.26
Aberdeen	49.3	38.0	43.2	40.7	2.18
Leith	52.0	37.9	44.1	41.7	1.57
Shields	49.0	38.0	43.5	41.4	1.80
Spurn Head	48.4	40.3	44.0	42.3	1.45
York	49.5	37.7	43.8	41.0	1.75
Loughborough	50.1	38.1	44.4	42.1	1.78
Ardrossan	51.5	39.5	44.4	42.1	2.14
Mullaghmore	51.0	42.3	45.3	43.0	2.05
Donaghadee	51.0	40.0	44.0	42.9	1.02
Holyhead	51.4	42.0	45.8	43.8	1.90
Liverpool	52.6	40.4	45.0	42.1	1.55
Parsonstown	54.0	38.0	45.0	42.5	2.04
Valencia	53.9	42.8	48.2	45.6	3.83
Roshe's Point	53.7	42.1	46.8	44.5	3.24
Pembroke	50.4	41.9	45.2	43.4	1.94
Sally	52.1	44.7	48.6	45.0	2.27
Prawle Point	51.9	40.7	46.2	44.0	2.07
Jersey	53.2	43.5	48.5	45.0	2.08
Hurst Castle	52.1	41.0	45.5	44.2	1.83
Dover	51.1	41.5	45.3	44.0	1.77
LONDON	50.0	39.7	45.1	43.2	1.81
Oxford	54.0	38.9	44.4	42.1	1.78
Cambridge	55.8	37.3	45.2	41.0	1.69
Yarmouth	49.1	38.9	44.7	43.0	1.70

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, 30.4 in: to 30.1 in: over the northern part of our Islands, the North Sea and Norway; 30.0 in: and more to 29.9 in: over the southern half of Spain.

Lowest, 29.8 in: and less, over the Bay of Biscay, and apparently over Finland also.

Gradients are moderate in the south, slight in the east and north.

Barometer still falling in the southwest and extreme south, rising a little in the north and northwest.

TEMPERATURE

Highest, 57° at Falmouth, 55° at Biarritz, 54° at Perpignan, 52° at Brest.

Lowest, 31° at Haparanda, 35° at Bodo, 38° at Narvik, 41° at Berlin, 42° at Brussels.

In London the reading was 43°, at Paris 45°. The minima early this morning were 32° at Stommes and Nain, 35° at Farnbridge, 33° in London and at Harlow.

WIND

Still NE³ to E³ in our Islands, light at the northern stations, fresh in the west and east, strong in the southwest and south and inclined to increase generally. Over Spain it is light from the SWnd.

WEATHER

Fair over the United Kingdom as a whole, fine and bright over the North Sea, Wallia, Germany, and the greater part of France. Rain is falling at Scilly, Lorient, and Biarritz, and amounts varying from 0.35 in. to 0.02 in. were measured at our southern stations and in the northwest of France this morning. Rain is falling at Harlow at 8 am.

SEA

Somewhat rough in the west and southwest, (quite rough at Scilly,) moderate on the northwestern and southeastern coasts, smooth in the northeast.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression noticed over the Bay of Biscay yesterday continues to increase in depth, and to spread eastwards over France. Should the tendency continue, the E³ to NE³ wind is likely to blow hard in the Channel and on our eastern coasts, which have accordingly been warned this morning.

FORECASTS

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

DISTRICTS.

FORECASTS.

DISTRICTS.

FORECASTS.

0	SCOTLAND NORTH	NE ³ winds, light; fine, cold.
1	SCOTLAND EAST	{ NE ³ winds, moderate to fresh; fine, dry, cold.
2	ENGLAND N.E.	
3	ENGLAND EAST	Same as N°5
4	MIDLAND COUNTIES	Same as N°1 and 2
5	ENGLAND SOUTH	NE ³ to E ³ winds, strong to a gale; squally, dry, cold.

6	SCOTLAND WEST	Same as N°0
7	ENGLAND N.W.	Same as N°1 and 2
8	ENGLAND S.W.	E ³ gales and strong winds; squally, some rain, cold.
9	IRELAND NORTH	{ E ³ winds, fresh or strong; cold, squally.
10	IRELAND SOUTH	

WARNINGS

The NORTH CONE has been hoisted this morning in districts 3, 5, and part of 8.

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	50	43	W	4	b	2		Holyhead ...	30.13	49	44	E	5	bc
Sumburgh Head ...	30.39	43	42	NE	2	c	3		Valencia ...	29.97	49	46	E	6	om
Stornoway ...	30.34	47	46	NE	4	b	4		Scilly ...	29.88	47	46	E	5	rm
Aberdeen ...	30.35	47	43	E	2	bc	3		Jersey ...	29.96	54	51	E	4	0
Shields ...	30.27	47	44	ESE	2	bc	1		Dungeness ...	30.07	49	45	ESE	5	bc
Ardrossan ...	30.24	51	48	ESE	4	b	2		London ...	30.08	51	46	ESE	2	c
Malin Head ...	30.21	47	44	ESE	4	b	2		Yarmouth ...	30.13	45	42	ESE	4	0
Mullaghmore ...	30.16	49	43	E	6	0	4		Rechefort ...	29.87	53	51	SW	3	0
Belmullet ...	30.12	50	44	ESE	5	bc	*								

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

Weather in morning fine and light over northern part of our Islands, also at several stations in Austria, Italy, and the south of France; cloudy or overcast elsewhere, with rain in the southwest of England, at Lorient and Brittany. Rain later in the west of France, and the southwest of our Islands as well as at Lyons and Marseilles, and slight showers at Stornoway, Sumburgh Head and Boro. Clear and lunar halo seen in the south of England.

Temperature not changing much; above 50° over the southwestern and southern parts of Europe generally, above 60° on some parts of the Spanish and Algerian coasts and at Constantinople. Lower elsewhere, and as low as 29° at Archangel, 31° at St. Petersburg, 32° at Kuopio, 35° at Uleaborg and Hangö, 39° at Munich and Regensburg and 40° at Loughborough. Rising during day, to between 50° and 55° over England and Ireland, 60° and more in many parts of France, and to 70° at Lyons, cold again at night at the British stations and Brussels.

Winds W to NW over Northern Europe, N over Poland and Hungary, NE over Germany, the Netherlands, and North Sea, E over the British Islands and Brittany (fresh at the western, southern, and eastern stations), SW in the north of Spain and southwest of France. No important change over northwestern Europe later.

Barometer highest 30.3 ins. and more to 30.2 ins. in an anticyclone over the northern part of the British Islands and the greater part of the North Sea and Scandinavia; 30.2 ins. and more over Central Russia; 30.0 ins. and more over the southern half of Spain and the Mediterranean. Lowest, 29.8 ins. and less, over the Balkan Peninsula and Greece; 29.9 ins. and less, over the Bay of Biscay and also over the White Sea. Depression over Bay of Biscay growing deeper during day and spreading over France, that over northern Europe moving southwards.

Erratum. Mean Max: Temperature for York in Reports for April should be 53.5 not 43.5. The Table will be corrected as soon as possible.

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, 24th April, 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.		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 ...	30.03	80	NNW	2	C	29.99	+15	33	32	+2	WSW	2	C	*	36	28	-
	Hernösand ...	30.13	34	Z	0	C	30.06	+13	35	32	-9	Z	0	C	*	13	34	-
	Stockholm ...	30.08	38	NE	4	C	30.16	+18	37	31	-5	E	4	C	*	52	30	-
	Wisby ...	30.03	39	NNE	4	C	30.07	+03	37	33	-4	NE	4	C	*	43	30	-
	Bodö ...	30.12	35	WSW	1	O	29.86	-22	37	32	+5	SW	4	O	2	37	32	-
	Christiansund	30.19	43	NNW	2	C	30.07	-15	41	39	-2	W	6	T	4	46	41	0.08
	Skudesnaes ...	30.10	42	NNW	6	C	30.12	-01	44	41	-3	NNW	4	bc	2	?	37	-
	Christiania Fjord (Færder)	30.08	44	W	3	bc	30.11	-03	40	37	-3	N	4	C	1	48	39	-
	Skagen (The Scaw)	30.06	42	NNW	1	C	30.08	-05	48	44	+4	Z	0	C	0	52	39	-
	Fanø ...	30.08	37	NW	2	C	30.08	-07	38	37	-1	NW	2	C	*	52	36	-
BRITISH ISLANDS.	Sumburgh Head	30.24	44	N	2	O	30.29	-09	43	40	-3	N	2	O	2	46	39	0.01
	Stornoway ...	30.36	45	NE	4	C	30.37	-01	44	42	-2	Z	0	O	3	47	35	0.02
	Wick ...	30.38	41	E	3	O	30.35	-06	44	42	+2	E	1	bc	1	50	36	0.01
	Nairn ...	30.35	45	NE	1	C	30.30	-06	44	41	+3	E	1	C	1	48	39	0.03
	Aberdeen ...	30.34	43	NE	3	C	30.33	-02	44	41	-3	NNW	2	O	3	47	39	0.01
	Leith ...	30.32	49	NE	3	O	30.32	-01	45	40	+5	NE	3	O	*	49	41	-
	Shields ...	30.28	44	NNE	2	bc	30.29	+01	44	41	-3	N	3	O	3	47	40	-
	Spurn Head ...	30.19	43	NE	4	C	30.20	+03	46	42	-4	NNE	4	bc	4	49	40	-
	York ...	30.23	47	E	2	C	30.25	+02	44	41	-3	ENE	1	O	*	55	36	0.01
	Loughborough	30.16	48	NE	4	C	30.23	+07	42	40	-2	NE	2	C	*	58	30	-
GERMANY & HOLLAND.	Ardrossan ...	30.29	48	ENE	2	C	30.34	+03	45	40	-5	ENE	2	O	1	52	38	-
	Malin Head ...	30.25	45	NNE	3	C	30.32	+03	43	40	-3	SE	4	O	1	48	40	-
	Mullaghmore ...	30.22	50	E	5	bc	30.32	+09	41	38	-3	ENE	2	Cv	2	52	37	-
	Belmullet ...	30.21	49	ENE	5	C	30.30	+11	44	41	-3	ESE	2	bc	*	54	39	-
	Donaghadee ...	30.25	51	NE	2	C	30.34	+05	44	41	-3	NE	3	O	1	53	42	-
	Liverpool (Bidston)	30.17	49	ENE	5	C	30.27	+08	43	39	-4	NE	2	C	2	53	35	-
	Holyhead ...	30.16	48	ENE	5	C	30.27	+08	44	41	-3	E	4	Cw	4	50	38	-
	Parsonstown ...	30.15	50	ENE	2	C	30.28	+16	43	40	-3	Z	0	C	*	54	33	-
	Valencia ...	30.05	52	E	5	ogm	30.16	+15	49	44	+5	ENE	4	Cm	4	53	44	-
	Roche's Point...	30.06	51	E	5	C	30.18	+17	46	42	-4	E	5	C	4	52	40	-
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	30.03	51	E	4	bc	30.17	+15	41	39	-2	ENE	5	C	3	54	37	-
	Scilly ...	29.91	49	ENE	7	O	30.05	+22	47	44	+3	E	6	C	6	49	44	0.02
	Prawle Point...	29.96	48	ENE	6	C	30.10	+15	45	43	+2	ENE	6	C	4	49	40	-
	Jersey (St. Aubin's)	29.89	53	ENE	6	C	30.03	+12	49	45	-4	ENE	6	bm	4	56	45	-
	Hurst Castle ...	30.00	51	ENE	7	bcn	30.14	+11	44	41	-3	ENE	6	C	4	54	38	-
	Dungeness ...	30.01	48	ENE	6	C	30.10	+09	45	42	-3	ENE	6	C	5	51	41	-
	London ...	30.07	52	E	3	C	30.17	+09	43	38	-5	NE	3	C	*	58	36	-
	Oxford ...	30.13	46	NE	4	C	30.20	+10	43	39	-4	NE	2	C	*	56	33	-
	Cambridge ...	30.18	48	NE	2	C	30.18	+06	44	40	-4	NNE	2	bc	*	59	29	-
	Yarmouth ...	30.13	45	ENE	5	C	30.16	+03	43	40	-3	NE	4	C	3	47	39	-
PORTUGAL.	Cuxhaven ...	30.10	42	NNW	3	C	30.09	-06	45	43	+2	NNE	2	C	*	47	42	-
	Berlin ...	30.00	45	NNE	5	C	30.00	-05	44	40	-4	NNW	3	C	*	54	37	-
	Wiesbaden ...	*	*	*	*	*	29.99	-01	46	40	-6	NE	2	C	*	52	39	-
	Munich ...	29.91	41	Z	0	T	29.90	-01	38	37	-1	E	3	O	*	54	36	0.28
	The Helder ...	30.15	42	NE	1	C	30.14	+01	42	40	-2	NNE	2	C	3	48	39	-
	Brussels (9 a.m.)	*	*	*	*	*	30.07	+08	41	39	-2	N	3	C	*	57	34	-
	Cape Gris Nez	29.96	46	NE	6	C	30.08	+09	44	41	-3	NE	5	bc	5	50	39	-
	Paris ...	29.87	59	NNE	3	C	29.97	+04	44	39	-5	NE	3	C	*	67	39	-
	Brest ...	29.82	53	Z	0	C	29.97	+17	45	44	-1	E	4	C	3	55	41	0.59
	Lorient ...	29.82	50	Z	0	O	29.89	+08	47	42	-5	NE	4	O	4	54	46	0.12
FRANCE AND BELGIUM.	Rochefort ...	29.78	52	NNW	3	T	29.74	-02	50	47	-3	NE	4	O	4	57	41	0.28
	Belfort ...	?	47	N	3	C	?	?	45	?	-5	N	5	bc	*	59	41	-
	Lyons ...	29.77	50	E	1	O	29.75	-02	44	44	-1	NNW	2	T	*	66	44	0.20
	Nice ...	29.86	51	SW	2	f	29.77	-09	49	47	-2	NE	2	T	2	57	46	0.04
	Perpignan ...	29.76	54	E	2	T	29.69	-07	54	49	-5	W	3	O	*	63	51	0.28
	Biarritz ...	29.76	57	NW	3	C	29.76	-04	55	52	-3	NNW	4	T	2	61	50	0.35
PORTUGAL.	Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lisbon ...	29.97	57	WSW	4	T	30.02	+05	56	53	-3	NNW	3	bc	3	63	54	-

WEATHER CHARTS

for 8 a.m. on Friday, 24th April, 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:

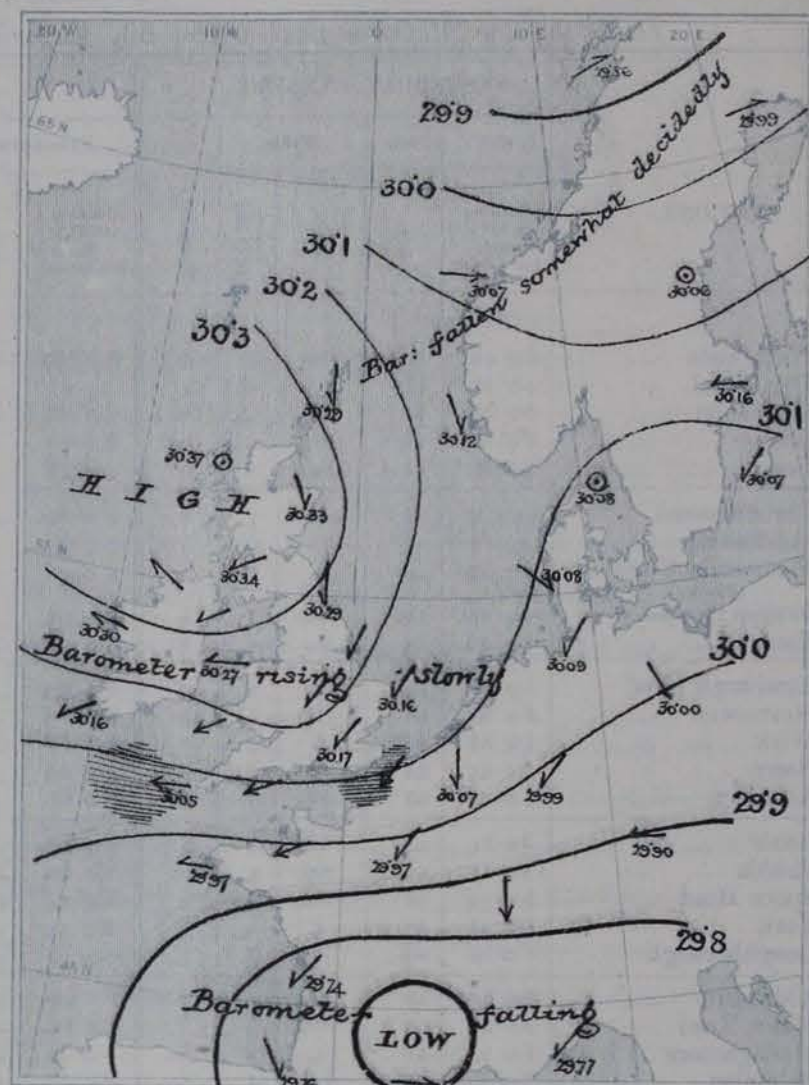
— = Rough. — = High

MEAN HEIGHT OF THE BAROMETER

at 8.0 a.m. for the month of April

During the 20 Years: 1871—1890.

STATIONS.	MEAN READINGS.
Sunburgh Head	29.840
Stornoway	29.824
Wick	29.818
Nairn	29.818
Aberdeen	29.858
Leith	29.863
Shields	29.860
Spurn Head	29.863
York	29.875
Loughborough	29.879
Ardrossan	29.837
Mullaghnore	29.839
Donaghadee	29.859
Holyhead	29.847
Liverpool	29.867
Parsonstown	29.864
Valencia	29.854
Rocha's Point	29.851
Pembroke	29.852
Silly	29.846
Prawle Point	29.876
Jersey	29.872
Hurst Castle	29.871
Dover	29.864
LONDON	29.878
Oxford	29.884
Cambridge	29.889
Yarmouth	29.872



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.

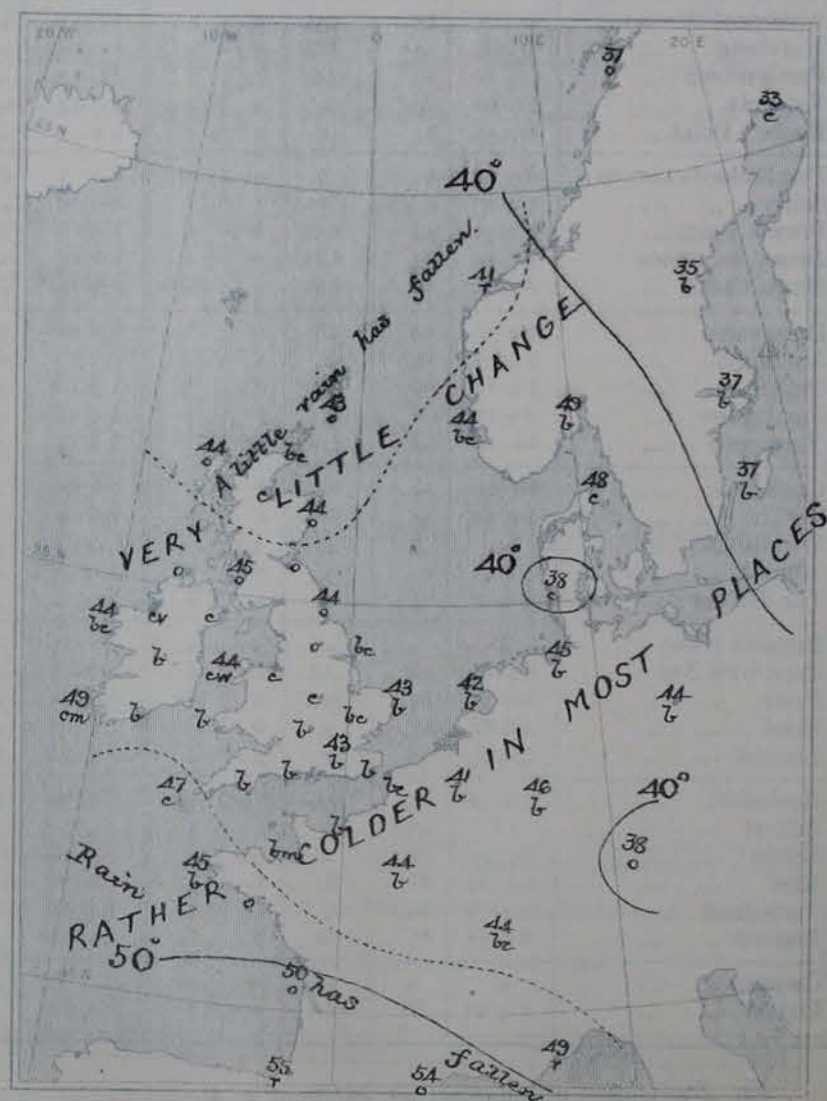
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.05 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL

(For the month of April)

STATIONS.	TEMPERATURE.				RAINFALL. (Inches.)
	Daily Max.	Daily Min.	Day.	Night.	
Sunburgh Head	46.0	36.7	41.7	40.2	2.07
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Wick	48.5	35.9	43.1	41.2	1.03
Nairn	50.9	37.3	42.7	40.4	1.29
Aberdeen	49.3	38.0	43.2	40.7	2.16
Leith	52.0	37.9	44.1	41.7	1.57
Shields	49.0	38.6	43.5	41.4	1.80
Spurn Head	48.4	40.3	44.0	42.3	1.45
York	48.5	37.7	43.8	41.0	1.75
Loughborough	53.1	38.1	44.4	42.1	1.78
Ardrossan	51.5	39.5	44.4	42.1	2.11
Mullaghnore	51.9	42.3	45.3	43.0	2.05
Donaghadee	51.0	40.0	44.6	43.9	1.02
Holyhead	51.4	42.0	43.8	43.8	1.00
Liverpool	52.6	40.4	45.0	42.1	1.55
Parsonstown	54.6	38.0	45.0	42.5	2.04
Valencia	53.0	42.8	48.2	45.6	3.83
Rocha's Point	53.7	42.1	46.8	44.5	3.24
Pembroke	50.4	41.9	45.2	43.4	1.04
Silly	52.1	44.7	48.6	46.9	2.27
Prawle Point	51.0	40.7	45.2	41.6	2.07
Jersey	54.2	43.5	48.5	45.9	2.08
Hurst Castle	52.1	41.0	45.5	44.2	1.85
Dover	54.1	41.5	44.3	44.0	1.77
LONDON	59.0	39.7	46.1	44.2	1.81
Oxford	54.0	38.9	44.4	42.1	1.78
Cambridge	55.8	37.3	46.2	43.0	1.69
Yarmouth	49.1	39.9	44.7	43.0	1.70

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, 30.3 in. and more to 30.1 in. over the United Kingdom, the northern parts of the North Sea and the south of Norway.
Lowest, (1) 29.7 in. and less, in a depression over the southwest of France and (2) 29.3 in. and less, over the eastern part of Lapland.
Gradient moderate in the south, slight elsewhere.
Barometer rising except in the far north and over the south of France where it is falling a little.

TEMPERATURE

Highest, 56° at Fife, 55° at Biarritz, 54° at Birmmham, 43° at Nice and also at Valence Island.
Lowest, 33° to 37° over Sweden, 38° at Munich, 43° in London, 44° at Paris and York.
 It has been down to 36° in the shade and 27° on the grass in London early this morning — still lower over the midland counties.

WIND

W^{ly} to SW^{ly} over the northern parts of Scandinavia, strong at Christiansund.
 Light and variable from the Nth in Scotland, Denmark, and Holland.
 NE^{ly} to E^{ly} over England, Ireland and France — strong, but decreasing at the Channel stations — NW^{ly} over Spain.

WEATHER

Fine generally, and very dry, over nearly the whole of our area, but overcast both in the extreme north and extreme south with rain at Biarritz and Nice on the one hand, and at Christiansund on the other.
 Rainfall has been considerable over the west and south of France, slight at Seilly. Slight falls are reported at the Scotch stations and York also.

SEA

Rather rough, but decreasing in the Channel, moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression which lay over the Bay of Biscay yesterday is passing away across the southwest of France towards the Mediterranean, the barometer is consequently rising over the greater part of our islands.

The E^{ly} wind seems to be subsiding slowly, and the anticyclone in the north is inclined to move southwards. Very cold weather is probable over England and Ireland tonight.

FORECASTS

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

DISTRICTS.

FORECASTS.

DISTRICTS.

FORECASTS.

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

Very light airs, very cold weather, dry.
 NE^{ly} breezes, moderate to light; fine, dry, cold.
 Same as No 5.
 Same as No 2.
 NE^{ly} winds fresh to moderate; fine, dry, very cold, frost inland at night.

- 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 2
 Same as No 5.
 E^{ly} winds, fresh to moderate; very cold, dry, fine.

WARNINGS

The signals hoisted yesterday have been lowered again this morning.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR	THER:		WIND		WEA	SEA		BAR	THER:		WIND		WEA	SEA
		D.	W.	D.	F.					D.	W.	D.	F.		
Skudesnaes ...	30.1 -	49	43	NE	8	b	5		Holyhead ...	30.17	47	43	E	5	5
Sumburgh Head ...	30.37	45	41	NE	2	c	5		Valencia ...	30.04	51	46	E	5	5
Stornoway ...	30.38	47	45	E	4	b	4		Scilly ...	29.89	47	45	E	1	6
Aberdeen ...	30.35	46	42	NE	4	c q	3		Jersey ...	29.94	55	51	E	6	5
Shields ...	30.29	47	43	NE	2	c	3		Dungeness ...	30.01	51	46	E	6	5
Ardrossan ...	30.29	49	44	E	4	b	2		London ...	30.06	55	47	E	3	5
Malin Head ...	30.29	47	44	NE	3	b	1		Yarmouth ...	30.13	47	44	E	4	4
Mullaghmore ...	30.24	50	43	E	6	b	4		Rochefort ...	29.81	54	52	WSW	3	5
Belmullet ...	30.21	53	45	E	5	b	*								

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

Weather in morning fine and bright over the greater part of northwestern Europe, at some of the Baltic stations, in Austria and the south of Italy, as well as over Algeria. Very variable elsewhere; overcast in many places, raining at Christiansund, the Scilly Islands and at some stations in the west and south of France, the south of Russia, and North Germany. Considerable rain later in the west and south of France and at Munich, and slight falls in the north of our Islands and at Christiansund. Sun was seen at Rocher Point.

Temperature slightly higher in the west and south than of late, morning readings exceeding 60° over Algeria, the east of Spain, exceeding 50° at most other southern stations and in the west of France; lower elsewhere. Lowest of all 30° to 35° over Lapland, Finland, and the north of Russia, 38° at Wiesbaden, 39° to 41° over north Germany, and 42° at Vienna, Prague, Vienna, and Hermannstadt. Rising to between 50° and 58° over the greater part of Ireland, England and France later, but subsequently falling fast over the British Islands.

Wind light to fresh from the N^W over Lapland, Sweden, Finland and the Baltic Provinces, as well as over the eastern parts of France; light NE in Scotland, fresh to strong from NE and E. over England and Ireland, but SW and W over Spain and the neighbourhood of the Pyrenees, S in Algeria. Very variable over Russia and Austria-Hungary. Increasing to a moderate gale in the English Channel later.

Barometer highest 30.3 in. and more to 30.1 in. in a large anticyclone lying over all the northern and eastern parts of our Islands, the North Sea, Denmark, and Norway; 30.1 in. and more over Central Russia; 30.0 in. and more over Algeria and the southwest of Spain. Lowest 29.6 in. and less, in a depression lying over the northern side of the Black Sea, 29.7 in. and less, in another over the White Sea and north of Russia; and 29.8 in. and less, in a third over the Bay of Biscay. Latter disturbance moving south-eastwards 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 *Saturday, 25th April, 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.			
	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.	Amount of Rainfall.	
SCANDINAVIA.	Haparanda ...	29.68	30	SSW	2	bc	29.53	- 46	32	31	- 1	NW	4	bc	*	37	27	-
	Hernösand ...	29.88	39	S	2	0	29.71	- 35	44	38	+ 0	NSW	2	bc	*	55	25	-
	Stockholm ...	30.02	32	S	2	0	29.85	- 31	42	36	+ 5	SW	2	0	*	46	28	-
	Wisby ...	30.06	31	ESE	4	0	29.96	- 11	40	36	+ 3	NSW	4	0	*	46	28	-
	Bodö ...	29.74	33	WNW	2	0	29.64	- 22	31	27	- 6	WNW	6	0	3	34	27	-
	Christiansund	29.95	41	WNW	8	0	29.85	- 22	36	35	- 5	N	2	7	3	45	36	0.20
	Skudesnaes ...	30.08	43	WNW	6	bc	29.99	- 13	44	42	0	NW	4	0	2	50	39	-
	Christiania Fjord (Færder)	29.98	45	SSW	4	0	29.87	- 24	43	40	+ 3	SSW	3	0	1	48	-	-
	Skagen (The Scaw)	30.03	44	Z	0	0	29.91	- 17	46	41	- 2	N	3	0	2	59	37	-
	Fanö ...	30.05	39	NW	2	0	30.02	- 06	41	40	+ 3	N	2	0	*	48	37	-
BRITISH ISLANDS.	Sumburgh Head	30.19	43	WNW	1	bc	30.05	- 24	45	43	+ 2	WNW	3	0	3	46	40	0.01
	Stornoway ...	30.29	46	Z	0	0	30.18	- 19	45	43	+ 1	N	2	0	3	48	36	-
	Wick ...	30.26	45	NE	1	0	30.14	- 21	40	38	- 4	NW	1	0	1	52	36	0.05
	Nairn ...	30.25	47	Z	0	0	30.18	- 12	44	41	0	SW	1	bc	1	49	35	-
	Aberdeen ...	30.27	46	NW	2	0	30.18	- 15	45	40	+ 1	WNW	2	0	1	48	36	-
	Leith ...	30.30	49	NE	2	0	30.20	- 12	45	42	0	N	2	0	*	51	41	-
	Shields ...	30.26	44	N	3	0	30.20	- 09	44	40	0	NW	2	0	3	48	40	-
	Spurn Head ...	30.19	45	N	5	bc	30.16	- 04	45	41	- 1	NNE	4	0	4	48	42	-
	York ...	30.25	47	N	1	0	30.21	- 04	43	40	- 1	N	1	0	*	49	38	0.01
	Loughborough	30.22	46	NE	2	0	30.21	- 02	43	41	+ 1	NNE	2	om	*	51	40	0.01
GERMANY & HOLLAND.	Ardrossan ...	30.27	48	Z	0	0	30.22	- 12	47	44	+ 2	Z	0	0	0	50	41	-
	Malin Head ...	30.29	45	NNE	3	0	30.22	- 10	42	40	- 1	Z	0	0	0	48	38	-
	Mullaghmore ...	30.26	50	E	3	0	30.22	- 10	41	38	0	E	3	0	2	51	38	-
	Belmullet ...	30.26	49	E	4	0	30.19	- 11	44	41	0	E	1	0	*	52	36	-
	Donaghadee ...	30.29	47	NE	2	0	30.24	- 10	46	44	+ 2	SE	2	m	0	49	43	-
	Liverpool (Bidston)	30.24	47	NE	3	0	30.22	- 05	43	37	0	NE	1	0	2	51	41	-
	Holyhead ...	30.24	46	NE	4	0	30.22	- 05	44	42	0	ENE	1	ogm	1	49	40	-
	Parsonstown ...	30.23	49	SE	1	0	30.19	- 09	44	42	+ 1	SE	1	bc	*	53	31	-
	Valencia ...	30.16	53	E	4	bc m	30.10	- 06	51	46	+ 2	E	3	bc m	4	57	39	-
	Roche's Point...	30.21	48	E	5	0	30.16	- 02	47	43	+ 1	ESE	5	0	4	50	40	-
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	30.18	47	SSE	1	0	30.19	+ 02	43	41	+ 2	ENE	2	0	1	52	38	-
	Scilly ...	30.13	49	E	5	0	30.10	+ 05	47	44	0	E	5	bc	5	51	44	-
	Prawle Point ...	30.14	47	E	3	0	30.16	+ 06	45	43	0	ENE	3	0	2	52	41	-
	Jersey (St. Aubin's)	30.08	51	ENE	5	bm	30.13	+ 10	46	42	- 3	NE	5	bm	4	55	41	-
	Hurst Castle ...	30.14	50	S	3	0	30.17	+ 03	45	43	+ 1	NE	3	0	2	55	35	-
	Dungeness ...	30.11	45	ENE	6	0	30.12	+ 02	44	41	- 1	ENE	3	0	2	49	37	-
	London ...	30.14	49	N	2	0	30.16	- 01	43	40	0	NNE	1	0	*	57	36	-
	Oxford ...	30.21	45	NE	3	0	30.18	- 02	43	41	0	NNE	2	0	*	52	35	-
	Cambridge ...	30.19	45	NE	2	0	30.16	- 02	45	43	+ 1	N	1	0	*	52	32	0.04
	Yarmouth ...	30.15	45	NNE	3	0	30.14	- 02	44	42	+ 1	NNE	4	0	4	48	39	0.01
GERMANY & HOLLAND.	Cuxhaven ...	30.08	42	N	3	0	30.07	- 02	40	38	- 5	SSE	2	0	*	46	39	-
	Berlin ...	30.02	42	NNE	5	bc	30.05	+ 05	37	35	- 7	NE	2	0	*	52	32	-
	Wiesbaden ...	*	*	*	*	*	29.98	- 01	47	42	+ 1	Z	0	0	*	55	39	-
	Munich ...	29.87	42	E	6	0	29.88	- 02	36	36	- 2	NE	4	7	*	46	36	0.28
	The Helder ...	30.11	43	N	1	0	30.08	- 06	42	39	0	NE	1	0	2	46	39	-
	Brussels (9 a.m.)	*	*	*	*	*	30.08	+ 01	41	38	0	NNE	2	0	*	55	34	-
	Cape Gris Nez	30.06	43	NE	6	0	30.06	- 02	40	38	- 4	NE	3	7	3	48	39	-
	Paris ...	29.99	53	NNE	3	0	30.11	+ 14	41	38	- 3	N	2	bc	*	62	36	-
	Brest ...	30.05	53	ENE	5	0	30.13	+ 16	41	39	- 4	E	3	0	3	57	37	-
	Lorient ...	29.99	55	NE	4	0	30.08	+ 19	42	38	- 5	E	3	0	3	59	41	-
FRANCE AND BELGIUM.	Rochefort ...	29.79	41	NNE	5	0	29.96	+ 22	44	41	- 6	NE	4	0	*	64	34	-
	Belfort ...	29.79	47	NE	3	0	?	?	50	?	+ 6	NE	3	bc	*	52	37	-
	Lyons ...	29.78	50	WNW	3	0	29.89	+ 14	44	39	0	N	4	0	*	51	40	0.32
	Nice ...	29.67	50	ENE	5	0	29.66	- 11	49	47	0	E	2	0	3	55	46	0.08
	Perpignan ...	29.71	57	NW	3	0	29.84	+ 18	53	46	- 1	NW	3	0	*	51	50	-
	Biarritz ...	29.68	56	WNW	3	0	29.95	+ 19	50	46	- 5	ESE	2	0	2	57	45	0.12
	Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lisbon ...	30.02	57	WNW	3	bc	29.95	- 07	54	52	- 2	Z	0	0	5	63	52	-

WEATHER CHARTS

for 8 a.m. on Saturday, 25th April, 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.

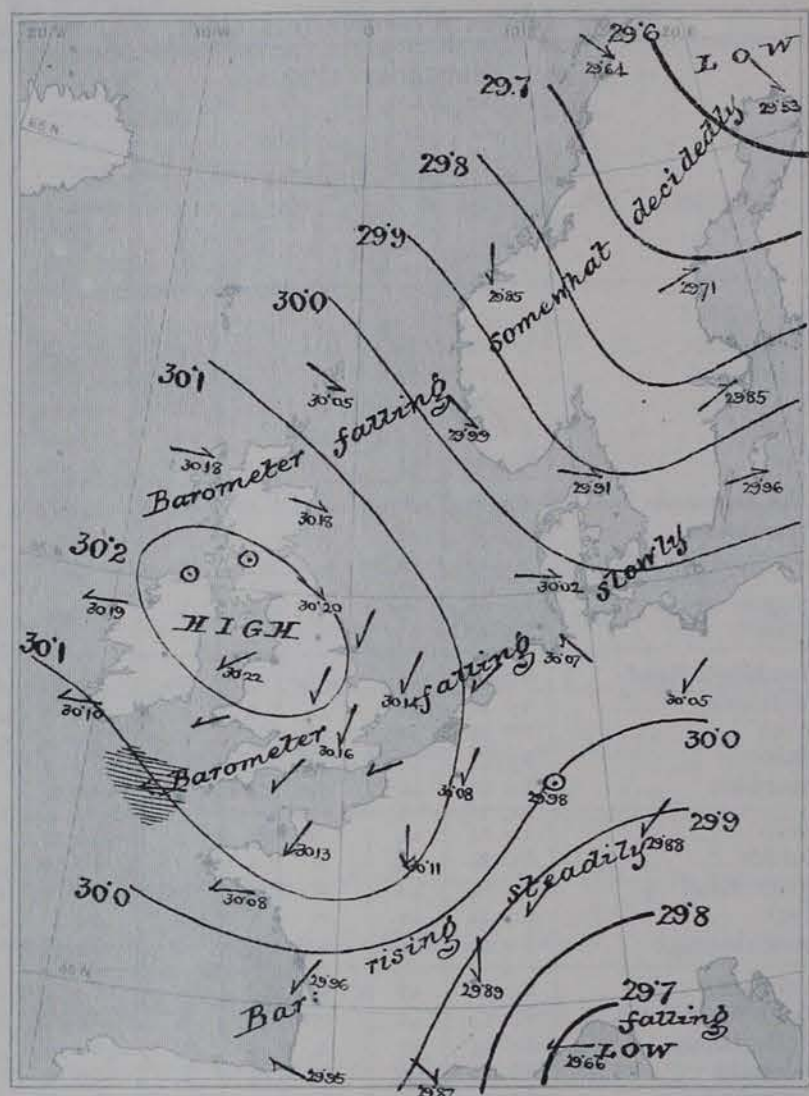
SEA DISTURBANCE—Where considerable, is shown thus:

▨ = Rough, ▨ = High.

MEAN HEIGHT OF THE BAROMETER

at 8.0 a.m. for the month of April
During the 29 Years: 1871—1890.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.840
Stornoway	29.824
Wick	29.848
Nairn	29.848
Aberdeen	29.858
Leith	29.863
Shields	29.866
Spurn Head	29.863
York	29.875
Loughborough	29.879
Ardrossan	29.887
Mullaghmore	29.839
Donaghadee	29.869
Holyhead	29.837
Liverpool	29.807
Parsonstown	29.804
Valencia	29.854
Roche's Point	29.851
Pembroke	29.852
Sally	29.856
Prawle Point	29.876
Jersey	29.872
Hurst Castle	29.871
Dover	29.864
LONDON	29.878
Oxford	29.894
Cambridge	29.889
Yarmouth	29.872



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.

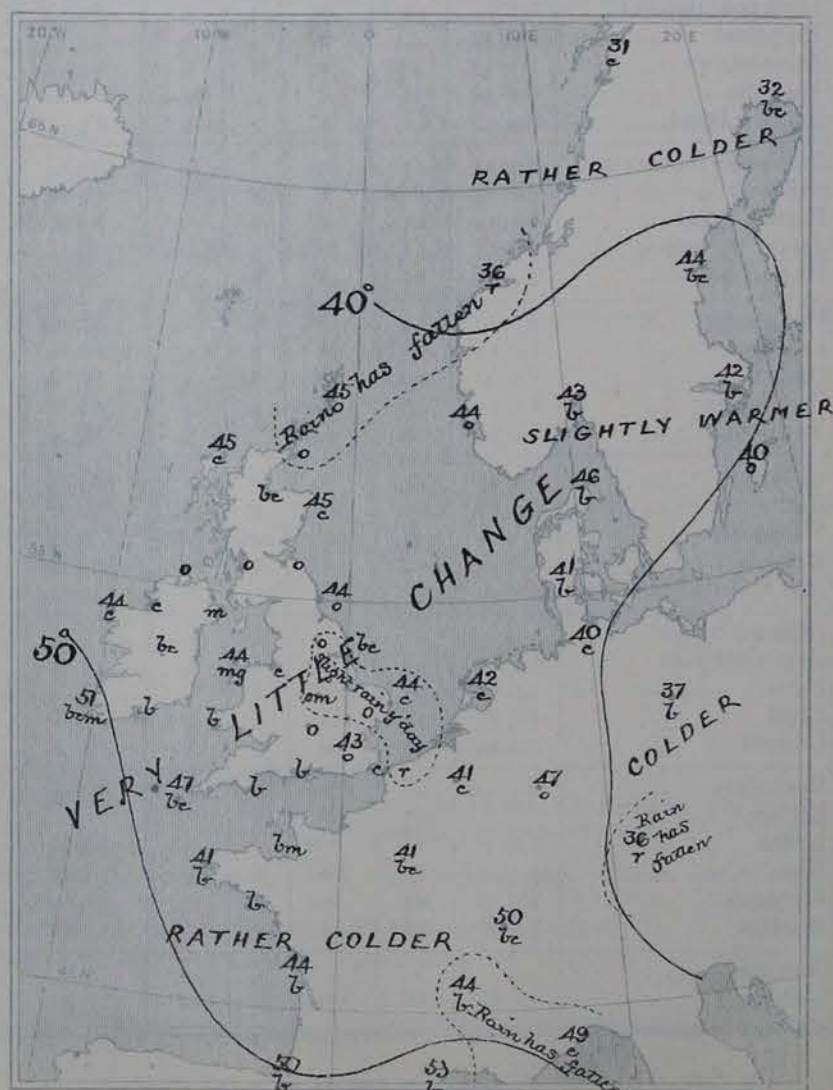
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of April.)

STATIONS.	TEMPERATURE.				RAINFALL (Inches.)
	Daily Max.	Daily Min.	At 8 a.m.	At 4 p.m.	
Sumburgh Head	46.0	36.7	41.7	40.2	2.07
Stornoway	48.9	37.2	43.8	42.3	2.65
Wick	48.9	36.9	43.1	41.2	1.68
Nairn	50.9	37.8	42.7	40.4	1.26
Aberdeen	49.3	38.0	43.2	40.7	2.10
Leith	52.0	37.9	44.1	41.7	1.67
Shields	49.0	38.6	43.5	41.4	1.80
Spurn Head	48.1	40.3	44.0	42.3	1.45
York	49.5	37.7	43.8	41.6	1.75
Loughborough	55.1	38.1	44.4	42.1	1.78
Ardrossan	51.5	39.5	44.4	42.1	2.11
Mullaghmore	51.0	42.3	45.8	43.0	2.65
Donaghadee	51.0	40.0	44.6	42.9	1.92
Holyhead	51.4	42.0	45.8	43.8	1.90
Liverpool	52.6	40.4	45.0	42.1	1.56
Parsonstown	54.6	38.0	45.0	42.5	2.04
Valencia	53.0	42.8	48.2	45.6	3.83
Roche's Point	53.7	42.1	46.8	44.5	3.24
Pembroke	50.4	41.9	45.2	43.4	1.94
Sally	52.1	44.7	48.6	46.8	2.27
Prawle Point	51.9	40.7	46.2	44.6	2.07
Jersey	54.2	43.5	48.5	45.9	2.08
Hurst Castle	52.1	41.0	45.5	44.2	1.80
Dover	51.1	41.5	45.3	44.0	1.77
LONDON	56.0	39.7	46.1	44.2	1.84
Oxford	54.0	38.9	44.4	42.1	1.78
Cambridge	55.8	37.3	45.2	43.0	1.69
Yarmouth	49.1	39.9	44.7	43.0	1.70

NOTE.—The Temperature means are for the 29 years 1871-90, the Rainfall means are mainly those for the 25 years 1864-90.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.2 in. and more to 30.1 in. over the British Islands and north of France.

Lowest, 29.6 in. and less, over Lapland, 29.7 in. and less, over the Gulf of Genoa.

Gradients slight generally.

Barometer rising over France, falling elsewhere - most in the north.

TEMPERATURE

Highest, 54° at Biarritz, 53° at Perpignan, 51° at Valencia Island, 45° at Stornoway and Sennburgh It.

Lowest, 31° at Rods, 32° at Haparanda, 36° at Christiansund and Munich, 37° at Berlin, 41° at Paris, and 43° in London.

It again fell to between 32° and 36° in the shade over England during the night.

WIND

Light SW^{ly} over Sweden, NW^{ly} over Lapland, Norway, and on our own north and northeast coasts; N^{ly} in the east of England, NE^{ly} in the Channel and E^{ly} to SE^{ly} in Ireland.

Over France it varies from between N. and E., and in Germany it is NE^{ly}.

WEATHER

Cloudy in Lapland, Norway, and at many of our northern, northeastern, and midland stations, clear and bright elsewhere. Rain is falling at Christiansund, C. F. H. H. and Munich, and slight showers have occurred at several of our northern stations, larger quantities over south Germany and the south of France.

SEA

Moderate in the south and southwest, slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The high pressure system which has been lying for so long over the northern parts of our area has begun to move in a southerly direction and is decreasing steadily in intensity, while the depression noticed over the southwest of France yesterday has reached the northern part of the Mediterranean. Should this movement continue NW^{ly} to W^{ly} winds will spread over the country - with rain at the more northern and possibly at the southwestern and southern stations later.

FORECASTS

For the 24 hours ending at NOON on 26th APRIL 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, some showers, milder.

N^{ly} and NW^{ly} breezes; fine to rather showery

NE^{ly} to NW^{ly} breezes, light; fair as a whole, slight local showers.

DISTRICTS.

FORECASTS.

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

Same as N^o 0 to 2.



Wind falling light and shifting to NW^{ly}; fine generally, cold tonight.

Same as N^o 0 to 2.

Same as N^o 8.

WARNINGS

NONE ISSUED.

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

YESTERDAY'S 2 P.M. REPORTS.

THER: WIND								THER: WIND							
BAR:		D.	W.	D.	F.	WEA.	SEA	BAR:		D.	W.	D.	F.	WEA.	SEA
Skudesnaes ...	30.09	50	44	NNW	7	b	2	Holyhead ...	30.27	46	42	NE	4	b	4
Sumburgh Head	30.26	45	42	N	2	c	3	Valencia ...	30.17	57	49	E	5	bc v	5
Stornoway ...	30.34	46	43	SE	2	o	2	Scilly ...	30.11	51	46	E	6	c	6
Aberdeen ...	30.31	47	40	N	3	c	3	Jersey ...	30.08	53	48	NE	6	b	4
Shields ...	30.28	47	43	N	3	c	3	Dungeness ...	30.12	49	45	ENE	6	b	5
Ardrossan ...	30.31	49	47	ENE	2	c	1	London ...	30.15	54	47	NE	2	bc	3
Mulin Head ...	30.32	48	44	E	2	b	0	Yarmouth ...	30.17	48	44	NE	4	bc	3
Mullaghmore ...	30.30	49	42	ENE	4	bc	2	Rocheport ...	30.13	62	?	NE	5	b	4
Belmullet ...	30.29	52	45	SE	3	bc	*								

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

Weather in morning fine and bright over Sweden the Baltic, the North Sea, England, and the north of France, cloudy or overcast elsewhere, very unsettled over the southern part of France and Russia, with rain at many stations. Considerable rain later in the south of France and south Germany, slight showers at several of our northern stations also — 0.20 in. at Christiania.

Temperature rather lower in the western districts than on Thursday. Morning readings exceeding 50° in the extreme southwest, south, and southeast only (61° at Nimons and Malta, 65° at Algiers, 66° at Palma); below 40° over northern, and the greater part of central Europe, and as low as 22° at Archangel, 28° at Kuspie, 30° at St. Petersburg, 31° at Hango. Rising later to between 50° and 55° in many parts of our Islands, and to upwards of 60° in some parts of France, falling fast again over our Islands towards night.

Wind SW³ in Lapland, N³ over Finland, the Baltic Province and Germany, NW³ over Austria-Hungary. Light and variable in Scotland, NE³ to E³ over England, Ireland, the Bay of Biscay, strong ENE³ in the Channel, and moderate NW³ to W³ in Spain. Moderate S³ over Algeria E³ in the south of France. E wind moderating in the Channel later; a W³ breeze of great strength setting in over Norway, and NW³ air in Scotland.

Barometer highest 30.3 in and more to 30.1 in. in a large anticyclone covering the British Isles, the North Sea, and south of Norway; 30.0 and more over the southwest of Spain; 29.9 in. and more over the southern part of Italy. Lowest, 29.5 in. and less in a depression over the south of Russia, about 29.6 in. in another lying over the Mediterranean and southwest of France; and 29.9 in. and less, in a new one advancing towards Lapland from the NW². Latter disturbances spreading southward and southward later, and the large northern anticyclone beginning to move southwards and decrease in intensity.

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 26th April 1891.
 Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

H. H. SCOTT, Secretary.																	
OFFICE OF THE METEOROLOGICAL DEPARTMENT, 65, VICTORIA STREET, LONDON.																	
PAST 24 HOURS.																	
8 A.M. TO DAY.																	
YESTERDAY EVENING.																	
BAROMETER.																	
SHADE TEMP.																	
WIND.																	
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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, 26 April, 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.

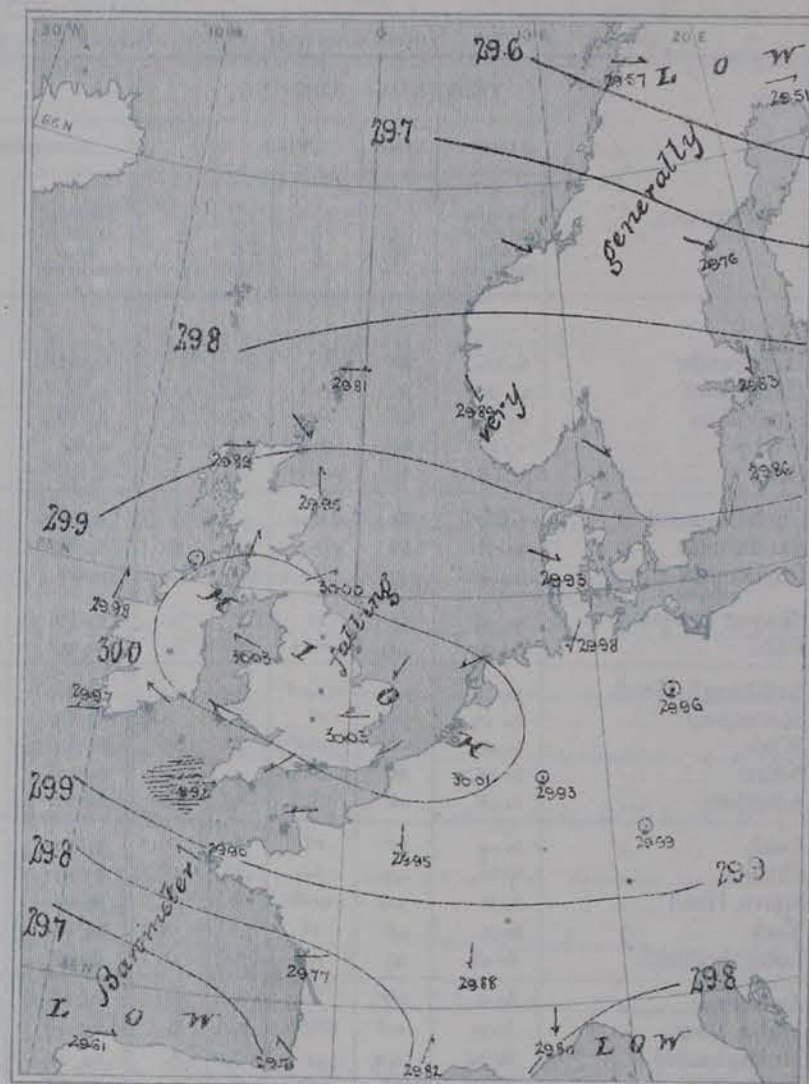
SEA DISTURBANCE—Where considerable, is shown thus:

— = Rough. — = High.

MEAN HEIGHT OF THE BAROMETER

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

STATIONS.	MEAN READINGS.
Sunbury Head	29.840
Stornoway	29.824
Wick	29.818
Nairn	29.818
Aberdeen	29.808
Leith	29.803
Shields	29.806
Spurn Head	29.809
York	29.875
Loughborough	29.879
Ardrossan	29.857
Mullaghmore	29.839
Donaghadee	29.859
Holyhead	29.837
Liverpool	29.867
Parsonstown	29.864
Valeugh	29.851
Roche's Point	29.841
Pembroke	29.852
Sailly	29.856
Prawle Point	29.870
Jersey	29.872
Hurst Castle	29.871
Dover	29.861
LONDON	29.874
Oxford	29.884
Cambridge	29.880
Yarmouth	29.872



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.

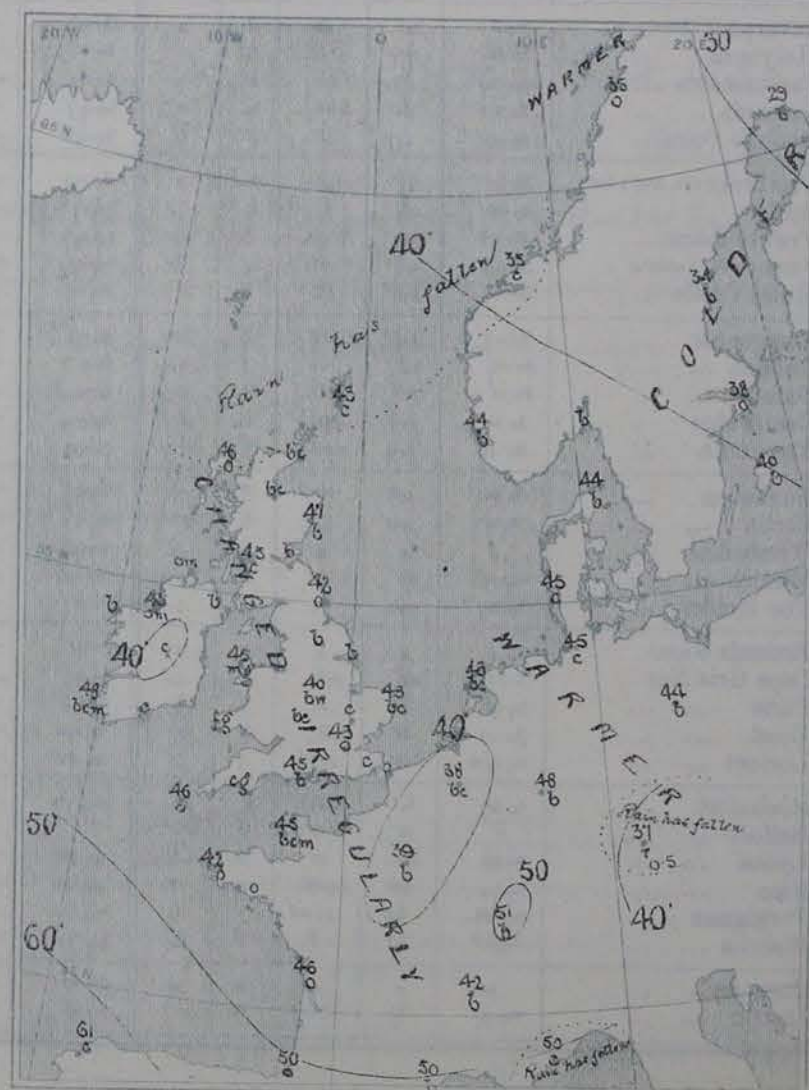
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of April.)

STATIONS.	TEMPERATURE.				RAINFALL. (Inches)
	Daily Max.	Daily Min.	of 10 days.	Wet.	
Sunbury Head	46.0	36.7	41.7	40.2	2.07
Stornoway	43.9	37.2	40.8	42.3	2.05
Wick	48.9	36.9	43.1	41.2	1.03
Nairn	50.9	37.3	42.7	40.4	1.26
Aberdeen	49.3	38.0	43.2	40.7	2.16
Leith	52.0	37.9	44.1	41.7	1.57
Shields	49.9	38.0	43.5	41.1	1.80
Spurn Head	48.1	40.3	44.0	42.3	1.45
York	43.5	37.7	43.8	41.6	1.75
Loughborough	55.1	38.1	43.4	42.1	1.78
Ardrossan	51.5	39.5	44.4	42.1	2.34
Mullaghmore	51.9	42.3	45.3	43.0	2.05
Donaghadee	51.0	40.0	44.6	42.9	1.92
Holyhead	51.4	42.0	43.8	43.8	1.90
Liverpool	52.0	40.4	45.0	42.1	1.55
Parsonstown	54.0	38.0	45.0	42.5	2.04
Valeugh	53.9	42.8	45.2	45.6	3.83
Roche's Point	53.7	42.1	45.8	44.5	3.24
Pembroke	50.4	41.0	45.2	43.4	1.94
Sailly	52.1	41.7	45.4	46.6	2.27
Prawle Point	51.9	40.7	45.2	44.6	2.07
Jersey	54.2	43.5	48.5	45.9	2.08
Hurst Castle	52.1	41.0	45.5	44.2	1.83
Dover	51.1	41.5	44.3	44.0	1.77
LONDON	54.0	39.7	46.1	45.2	1.84
Oxford	51.0	38.0	44.4	42.1	1.78
Cambridge	50.8	37.3	45.2	43.0	1.69
Yarmouth	49.1	39.0	44.7	43.0	1.70

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



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.0 ins: and more to 29.9 ins: in an anticyclone covering the British Islands, North Sea, the north of France, Netherlands, and north Germany.
Lowest, 29.6 ins: and less over Lapland, and also in a new depression approaching the southwest of Spain from the westward or south-westward;
29.8 ins: and less, over the northeastern part of the Mediterranean sea.

TEMPERATURE

Gradients moderate over the Bay of Biscay, slight elsewhere. Barometer falling generally, most in the northwest of Spain and the north of Scotland.
Highest, 61° at Fiumana, 58° at Biarritz, 51° at Belfast, 50° at Perpignan and Nice.
Lowest, 28° at Haparanda, 34° at Helsingfors, 38° at Stockholm and Brussels, 38° at Paris.
A sharp frost occurred inland over our Islands during the night (minimum in shade, 27° at Loughborough, 25° at Cambridge, 30° at Oxford, 33° in London—Minimum on grass, 22° at Oxford, 24° in London). The daily maxima yesterday were below 50° at most of our stations.

WIND

W³ to NW³ over Scotland and Northern Europe, light to fresh in force.
E in the south and southwest, and over the Bay of Biscay—moderate to fresh in force.
Very light and variable over the north of Ireland, our midland counties and Germany.

WEATHER

Fine and bright at the Continental stations as a whole, and in many parts of our Islands, fair to overcast elsewhere, dull and gloomy in a few places. Slight rain has fallen in the north of Scotland, at Christiansund, and at Nice, and a larger quantity at Munich.

SEA

Rather rough at Seilly, moderate at Loch Port and Christiansund, slight in the Channel, smooth or nearly so elsewhere. Very smooth in the north-west.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

For the 24 hours ending at NOON on 27th April. 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.

N.B. 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 ...	29.97	48	43	NW	5	c	3	Holyhead ...	30.18	46	40	NE	3	c	2
Sumburgh Head	30.01	47	44	NNW	2	o	3	Valencia ...	30.08	55	48	SE	5	cm	4
Stornoway ...	30.12	49	46	W	2	bc	3	Scilly ...	30.07	49	46	E	5	cm	5
Aberdeen ...	30.11	51	43	NNW	2	bc	1	Jersey ...	30.09	51	45	ENE	4	bc	3
Shields ...	30.15	48	45	NE	2	bc	3	Dungeness ...	30.11	48	44	ENE	5	bc	3
Ardrossan ...	30.15	49	44	Z	0	b	0	London ...	30.13	46	42	NE	1	omg	*
Malin Head ...	30.16	49	45	E	2	b	0	Yarmouth ...	30.12	47	43	NNE	4	bc	4
Mullaghmore ...	30.14	51	45	NNE	2	bc	2	Rocheport ...	29.96	61	54	WNW	4	b	?
Belmullet ...	30.13	55	48	SSW	2	o	*								

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

Weather fine generally over Spain, France, North Sea, and North Germany; fair over the British Islands as a whole, cloudy, or overcast and unsettled elsewhere, with snow and rain both in Central Russia and the northern part of Scandinavia. Heavy rain over the south of Italy later, and a considerable amount at Turin; small quantities, locally, in many other places - more especially over Spain and Portugal, and in the north of Scotland and west of Norway.

Temperature continuing low generally, with frost on the ground in the night at most inland stations over the British Islands. Morning readings exceeding 50° in the extreme southeast, south, and southwest and at Valencia Island only, exceeding 40° over northeastern and southeastern Europe. Below 40° elsewhere, and as low as 16° at Archangel, 30° at St. Petersburg, 31° at Riga, 33° at Moscow, 36° at Munich, Seinemünde and Christiansund, 38° at Hamburg. Rising later to 50° and more over our Islands, to 60° and more in the south of France and over Italy, to 70° at Palermo, nearly 80° at Rome, and to between 88° and 99° over inland parts of Algeria.

Wind moderate to fresh from between SW. and NW. over the northern countries, light W. in Scotland; moderate N. along our eastern coasts; NE to E in Ireland, England, the Channel and over the Bay of Biscay. NE over the southeast of France and northern Italy. NW over Sardinia, Tunis and Malta. Very variable elsewhere. W. wind freshening a little in some parts of Scotland later.

Barometer highest, 30.2 ins: and more to 30.1 ins: in an anticyclone over the British Islands, and exceeding 30.0 ins: in a ridge extending thence across the North Sea and Netherlands to North Germany. Lowest 29.6 ins: and less in a large depression over the eastern side of the Mediterranean, in another over Central Russia, and, in a third over Lapland; gradients slight in our neighbourhood, moderate on the Continent. Russian depression filling up later, those in far north and far south undergoing slight modifications. Anticyclone over British Islands moving southwards.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

* AN ASTERISK is inserted in all places for which information is not usually received. 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 *Monday, 27th April, 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.			BAROMETER.		SHADE TEMP.			WIND.				SHADE TEMP.			
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 9.)	Max.	Min.	Amount of Rainfall.		
SCANDINAVIA.	Haparanda ...	29.58	80	W	2	c	29.77	+ 26	32	29	+ 3	NW	4	b	*	37	19	.
	Hernösand ...	29.86	32	Z	0	b	29.86	+ 10	37	32	+ 3	SW	4	b	*	48	28	.
	Stockholm ...	29.94	36	E	2	0	29.93	+ 10	38	36	0	E	2	0	*	48	26	0.04
	Wisby ...	29.89	39	SW	6	bc	29.90	+ 04	41	39	+ 1	W	2	b	*	52	36	.
	Bodö ...	29.75	33	W	1	bc	29.67	+ 10	32	29	- 3	E	4	c	2	36	27	.
	Christiansund	29.67	40	SSW	6	0	29.65	- 23	41	36	+ 6	WSW	8	c	5	41	32	.
	Skudesnaes ...	29.87	43	WNW	2	0	29.83	- 06	44	42	0	S	4	0	3	50	41	.
	Christiania Fjord (Færd)	29.86	44	SSE	4	0	29.89	+ 06	41	40	- 2	SSE	3	f	2	46	41	.
	Skagen (The Scaw)	29.84	39	Z	0	b	29.87	+ 02	40	39	- 4	SW	2	b	2	52	37	.
	Fanö ...	29.93	41	NW	2	b	29.93	00	46	43	+ 1	W	2	c	*	48	36	.
BRITISH ISLANDS.	Sumburgh Head	29.76	44	W	3	c	29.68	- 13	44	43	+ 1	W	2	bc	3	49	38	0.10
	Stornoway ...	29.80	47	W	3	0	29.64	- 25	46	44	- 2	SW	5	0	4	50	39	0.05
	Wick ...	29.79	45	Z	0	0	29.70	- 20	46	44	+ 1	S	3	b	2	52	40	0.08
	Nairn ...	29.81	49	SW	1	c	29.70	- 25	42	40	- 2	Z	0	bm	0	52	30	.
	Aberdeen ...	29.82	46	E	1	bc	29.74	- 21	48	42	+ 1	S	2	bc	1	50	35	.
	Leith ...	29.84	53	S	1	0	29.78	- 19	42	38	- 4	Z	0	m	*	56	35	.
	Shields ...	29.89	46	SE	1	c	29.81	- 19	42	40	0	S	2	cm	2	51	39	.
	Spurn Head ...	29.93	43	ESE	4	b	29.86	- 16	44	41	- 1	SE	3	bc	3	47	38	.
	York ...	29.92	50	ESE	1	b	29.86	- 17	41	38	- 2	SE	1	b	*	55	32	.
	Loughborough	29.91	52	ESE	2	c	29.86	- 20	40	39	0	E	2	omw	*	58	31	.
GERMANY & HOLLAND.	Ardrossan ...	29.87	46	SW	2	0	29.77	- 23	46	42	+ 1	E	1	b	1	49	36	.
	Malin Head ...	29.86	46	SW	2	opg	29.71	- 28	45	42	+ 2	S	2	ogm	0	48	42	.
	Mullaghmore ...	29.87	49	WNW	1	om	29.72	- 27	47	43	+ 2	NW	2	omw	2	51	39	.
	Belmullet ...	29.88	49	W	2	b	29.70	- 28	49	46	0	SSW	1	b	*	53	40	.
	Donaghadee ...	29.88	52	WSW	3	b	29.77	- 27	46	43	+ 1	SW	2	m	0	53	43	.
	Liverpool (Bidston)	29.89	48	WNW	1	c	29.80	- 23	44	40	- 1	ESE	2	c	2	52	37	.
	Holyhead ...	29.92	46	N	1	c	29.77	- 26	47	44	+ 2	S	1	cm	1	52	40	.
	Parsonstown ...	29.88	50	Z	0	c	29.75	- 26	44	40	+ 6	Z	0	c	*	52	35	.
	Valencia ...	29.87	48	S	3	ogm	29.73	- 24	47	42	- 1	ESE	1	bm	2	52	35	.
	Roche's Point...	29.89	47	SSE	3	0	29.74	- 24	45	42	- 2	WNW	2	bc	3	51	37	.
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.)	29.87	47	WNW	3	c	29.74	- 26	46	44	+ 2	ESE	3	c	3	50	40	.
	Scilly ...	29.85	46	E	5	c	29.69	- 23	46	46	0	E	4	om	4	49	43	.
	Prawle Point ...	29.86	43	ESE	4	c	29.73	- 26	44	42	+ 1	ESE	4	bc	2	49	41	.
	Jersey (St. Aubin's)	29.81	51	NE	3	bc	29.69	- 25	49	45	+ 4	NE	3	ogm	3	55	45	.
	Hurst Castle ...	29.87	49	E	3	b	29.77	- 24	46	44	+ 1	ESE	4	bcm	1	53	42	.
	Dungeness ...	29.90	45	ESE	5	bc	29.78	- 18	46	43	+ 6	E	5	b	3	50	40	.
	London ...	29.92	48	E	2	b	29.81	- 22	46	43	+ 3	NE	2	bmw	*	53	35	.
	Oxford ...	29.91	43	E	1	bc	29.81	- 23	45	42	+ 1	ESE	2	bc	*	51	30	.
	Cambridge ...	29.96	46	E	1	b	29.84	- 20	43	42	+ 1	E	1	c	*	55	24	.
	Yarmouth ...	29.97	45	E	2	bcv	29.87	- 16	44	42	+ 1	ESE	4	b	3	47	40	.
PENINSULA.	Cuxhaven ...	29.93	42	N	3	b	29.94	- 04	43	41	- 2	ESE	2	c	*	45	41	.
	Berlin ...	29.91	50	SE	2	b	29.93	- 03	46	43	+ 2	SE	2	bc	*	55	41	.
	Wiesbaden ...	*	*	*	*	*	29.88	- 05	48	44	0	Z	0	b	*	59	37	.
	Munich ...	29.90	41	NE	2	0	29.89	- 10	42	41	+ 5	E	4	b	*	45	32	0.04
	The Helder ...	29.98	43	NE	1	c	29.91	- 12	44	42	+ 1	E	1	b	2	45	41	.
	Brussels (9 a.m.)	*	*	*	*	*	29.83	- 18	51	44	+ 13	E	1	b	*	55	34	.
	Cape Gris Nez	29.89	44	NE	4	b	29.80	- 19	42	39	0	E	4	b	4	50	36	.
	Paris ...	29.83	58	NE	2	bc	29.77	- 18	48	42	+ 9	E	1	b	*	65	38	.
	Brest ...	29.80	53	E	4	c	29.69	- 21	49	44	+ 7	E	3	bc	3	64	37	.
	Lorient ...	29.72	52	Z	0	bc	29.64	- 24	49	43	+ 7	E	3	0	3	61	41	.
FRANCE AND BELGIUM.	Rochefort ...	29.57	64	ESE	4	bc	29.51	- 26	51	50	+ 5	NE	3	r	*	72	43	.
	Belfort ...	?	53	N	3	b	?	?	47	?	- 4	N	2	b	*	59	32	.
	Lyons ...	29.64	57	SE	1	b	29.75	- 23	50	45	+ 2	SE	1	b	*	61	41	.
	Nice ...	29.83	51	SW	2	c	29.86	+ 06	52	49	+ 2	ESE	2	bc	1	61	45	.
	Perpignan ...	29.73	55	E	2	0	29.71	- 11	57	54	+ 7	S	3	0	*	61	46	.
	Biarritz ...	29.59	64	ESE	3	r	29.57	- 26	60	53		SSW	3	0	2	68	54	.
PENINSULA.	Corunna ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lisbon ...	29.64	57	W	4	b	29.68	- 00	57	54	+ 1	WNW	3	0	6	63	55	0.12

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, 27th April, 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 10; →→ force 8 to 10;

→→ force 5 to 7; →→ force 1 to 4.

○ = dead calm.

SEA DISTURBANCE—Where considerable, is shown thus:

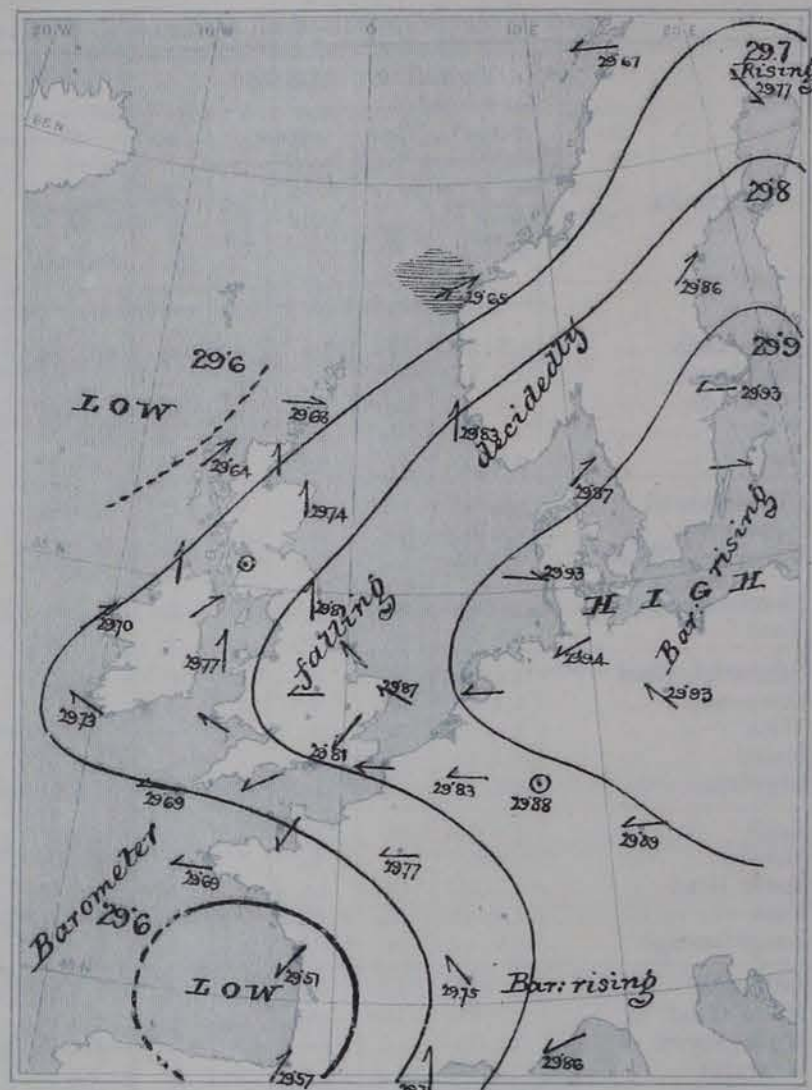
— = Rough, — = High.

MEAN HEIGHT OF THE BAROMETER

at 8.0 a.m. for the month of April

During the 29 Years 1871–1890.

STATIONS.	MEAN READINGS
Samburgh Head	29.840
Stornoway	29.824
Wick	29.818
Nairn	29.818
Aberdeen	29.808
Leith	29.803
Shields	29.800
Sourth Head	29.803
York	29.875
Loughborough	29.878
Ardrossan	29.857
Mullaghmore	29.859
Donaghadee	29.870
Holyhead	29.857
Liverpool	29.867
Parsonstown	29.864
Valencia	29.864
Roche's Point	29.851
Pembroke	29.852
Sally	29.856
Prawle Point	29.876
Jersey	29.872
Hurst Castle	29.871
Dover	29.864
LONDON	29.878
Oxford	29.884
Cambridge	29.880
Yarmouth	29.872



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.

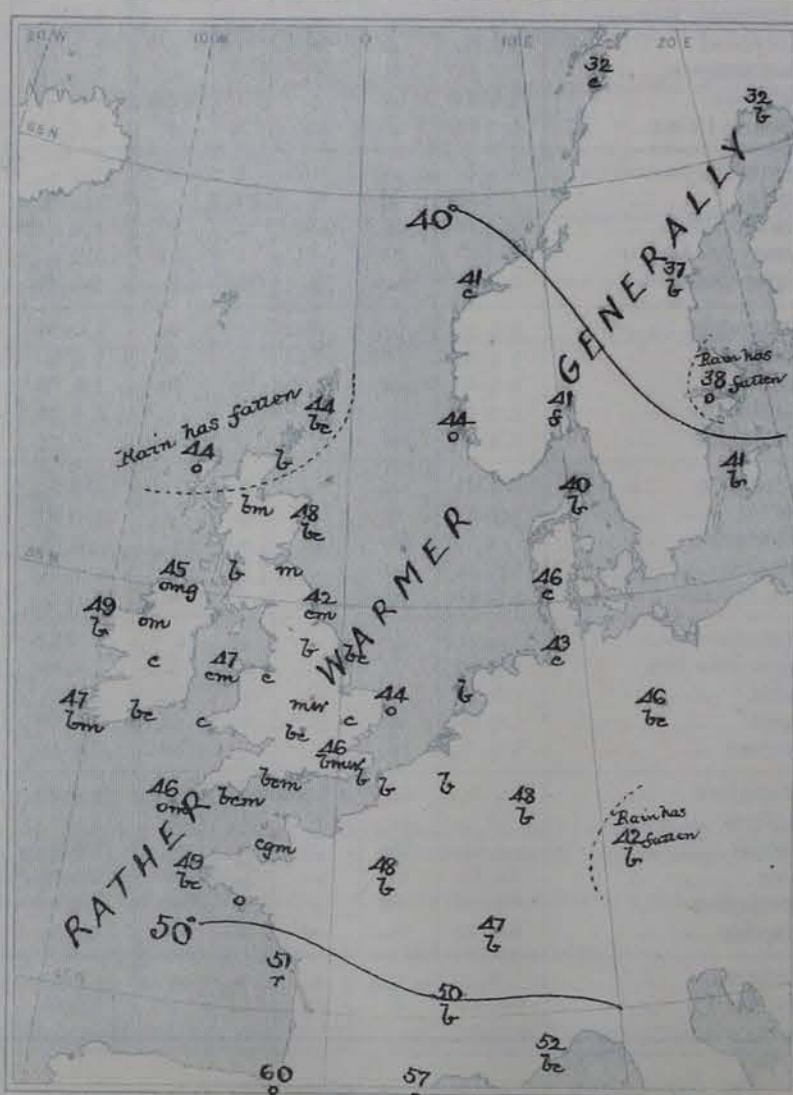
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of April.)

STATIONS.	TEMPERATURE.				RAINFALL (Inches)
	Daily Max.	Daily Min.	10 a.m.	Mean	
Samburgh Head	40.0	38.7	41.7	40.2	2.07
Stornoway	48.0	37.2	43.3	42.3	2.05
Wick	48.0	35.0	43.1	41.2	1.03
Nairn	50.0	37.3	42.7	40.4	1.26
Aberdeen	49.3	38.0	43.2	40.7	2.10
Leith	52.0	37.0	44.1	41.7	1.87
Shields	49.0	38.6	43.5	41.4	1.60
Sourth Head	48.1	40.3	44.0	42.3	1.45
York	45.3	37.7	43.8	41.6	1.75
Loughborough	55.1	38.1	44.4	42.1	1.78
Ardrossan	51.5	39.5	44.1	42.1	2.11
Mullaghmore	51.0	42.3	45.3	43.0	2.03
Donaghadee	51.0	40.0	44.0	42.0	1.02
Holyhead	51.4	42.0	45.8	43.8	3.00
Liverpool	52.6	40.4	45.0	42.1	1.56
Parsonstown	51.0	38.0	45.0	42.5	2.04
Valencia	53.9	42.5	48.2	45.0	3.83
Roche's Point	53.7	42.1	45.8	41.5	3.24
Pembroke	50.1	41.0	45.2	43.4	1.94
Sally	52.1	44.7	48.0	46.6	2.27
Prawle Point	51.0	40.7	46.2	44.6	2.07
Jersey	51.2	43.5	48.5	45.9	2.08
Hurst Castle	52.1	41.0	45.0	41.2	1.82
Dover	51.1	41.5	45.3	41.0	1.77
LONDON	56.0	39.7	49.1	41.2	1.84
Oxford	51.0	35.0	44.4	42.1	1.78
Cambridge	55.8	37.3	45.2	43.0	1.69
Yarmouth	49.1	38.0	44.7	43.0	1.70

NOTE—The Temperature means are for the 29 years 1871–90, the Rainfall means are mainly those for the 25 years 1865–90.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 29.3 in: and more to 29.8 in: over Germany, the Baltic and the North Sea.
 Lowest, 29.0 in: and less, in a depression over the Bay of Biscay and southwest of France; 28.7 in: and less, over the Shetlands, Hebrides, and extreme northwest of Scotland.
 Gradients slight - favourable for SW and S winds in the north, but for E winds in most other places.
 Barometer falling in our Islands and France, rising over Germany.

TEMPERATURE

Highest, 60° at Biarritz, 57° at Falmouth and Harfleur, 51° at Nice, 48° at Bismarck, 48° at Paris, 47° at Valencia Island, 46° in London.
 Lowest, 32° to 33° over Lapland, 38° at Stockholm, 41° at Christiansund.

It has been low over England during the night, the shade minima being 27° at Cambridge, 30° at Oxford, and 31° at Loughborough. It is now rising decidedly.

WIND

Light from the S² or SW² over the northwestern and northern parts of our Islands, strong from SW. at Christiansund; SE on our eastern coast, E² (moderate to fresh) in the south; very light and variable over Ireland.

WEATHER

Fine over our Islands generally, dull in the west of France, cloudy in Norway. Rain is falling at Rochefort.
 Rain has fallen in the extreme north of Scotland during the night. Hales were seen in the Channel Islands yesterday.

SEA

Moderate at Scilly and C² Fin² Raz, slight or smooth on all our other coasts.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The anticyclone which lay over England yesterday has moved eastwards and merged in a larger system which has been formed over Germany and the Baltic, while low pressure systems have appeared both over the Bay of Biscay and off our north-west coasts. A further and rather decided fall of the barometer has consequently taken place all over the United Kingdom and Western Europe. It appears more probable that, with a shift of wind to the N², the barometer will begin to rise again in Ireland, and that a similar change will occur over Great Britain later.

FORECASTS

For the 24 hours ending at NOON on 28th April. 1891.

DISTRICTS.

FORECASTS.

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

SW² winds, fresh; some showers, milder.
 S² and SW² winds, moderate; warmer, fine, unsettled.
 E² and SE² winds, milder, fine. Wind possibly shifting S² later, but very doubtful.

DISTRICTS.

FORECASTS.

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

Same as No. 0.

Same as Nos 3 to 5

Very variable winds and weather; some showers; possibly becoming cold again with N² winds.

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 ...	29.90	50	43	W	4	6	2		Holyhead ...	29.97	51	44	WNW	1	1
Sumburgh Head									Valencia ...						
Stornoway ...	29.85	49	46	W	3	0	3		Scilly ...						
Aberdeen ...									Jersey ...	29.89	54	49	E	4	3
Shields ...									Dungeness ...	29.96	49	44	ENE	5	3
Ardrossan ...									London ...						*
Malin Head ...	29.93	48	44	NW	2	0	0		Yarmouth ...						
Mullaghmore ...									Rochefort ...	29.67	69	64	ESE	5	4
Belmullet ...	29.94	51	46	W	2	0	*								

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

Weather in morning fine and bright over the greater part of the British Islands, the North Sea, France, Germany, the Baltic and Russia; cloudy or overcast elsewhere and unsettled both on the Spanish coast, and over the Mediterranean and southern Europe. Rain falling at Turin, Munich and Baden Poth, snow at Archangel.

Temperature still low generally. Morning readings exceeding 60° at some Algerian and Spanish stations and exceeding 50° over southern, southwestern and southeastern Europe generally, much lower elsewhere. Below 40° over northern Europe and some parts of Germany and France; lowest of all 27° at Archangel, 29° at Haparanda, 32° at Kuopio, 35° at Christiansund, Münster and Le Mans, 37° at Munich. Rising to between 50° and 55° over our Islands later, to 60° and more over France, but falling fast again towards night.

Wind W^{ly} and NW^{ly} over the whole of northern Europe, and the north of Scotland, mainly E^{ly} over the southern parts of our Islands, the Channel and the Bay of Biscay, and NE^{ly} to N^{ly} over Italy. Light S^{ly} breezes in Algeria, SW^{ly} in Portugal.

Barometer, Highest 30.1 ins. and more to 30.0 ins. over the southern half of Russia, 30.0 ins. and more over England and the Netherlands, and exceeding 29.9 ins. in a broad band extending from the Atlantic across the British Islands, the north of France and central Europe to Russia. Lowest 29.7 ins. and less in a depression over Sardinia, Italy, Dalmatia and Bosnia; 29.6 ins. and less over Lapland and the Kola Peninsula; and 29.6 ins. and less in a new system approaching the Bay of Biscay from the southwestward. The anticyclone over England decreasing in intensity later, and barometer falling over western and northwestern Europe generally.

SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD FROM THE 19TH TO 25TH APRIL 1891.

During nearly the whole of this week pressure has been highest (30.4 ins. to 30.0 ins.) over the northern parts of our Islands, the North Sea and Scandinavia, and lowest over Spain, the south of France and the Bay of Biscay, the gradients were continuously slight in the North, moderate in the south, and N^{ly} to E^{ly} winds prevailed all over the United Kingdom, blowing freshly at the southern stations, on one occasion attaining the force of a moderate gale in the Channel. Temperature has been very low, the air dry and harsh, and frosts have occurred on the ground almost every night, and in most parts of the Kingdom there has been a complete absence of rain. On our southwestern coasts, however, there were falls on the 21st and 22nd and over the northern and northeastern parts of the Kingdom, very slight showers were observed occasionally. The principal falls, however, were experienced over Spain the southwest and south of France, in which regions a definite depression lay for some days.

Towards the end of the week the northern anticyclone was decreasing both in size and intensity and moving southwards, while low pressure systems were appearing both over northern, and southwestern Europe. The weather was still very cold, but appeared to be on the eve of changing permanently.

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 28th April.

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.	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 4.)	Max.	Min.	Amount of Rainfall.			
SCANDINAVIA.	Haparanda ...	29.80	29	SE	2	0	29.78	+01	33	32	+1	W	2	0	*	37	23	0.12	
	Hernösand ...	29.80	35	0	4	bc	29.84	-02	37	38	0	2	0	0	*	46	21	—	
	Stockholm ...	29.81	39	0	2	bc	29.92	-01	40	41	+1	SE	2	0	0	52	32	—	
	Wisby ...	29.80	39	0	4	bc	29.89	-01	46	40	+6	SE	2	0	0	46	34	—	
	Bodö ...	29.49	38	ENE	2	C	29.69	+02	36	35	+4	W	4	0	2	37	23	0.08	
	Christiansund ...	29.76	38	WNW	3	C	29.86	+01	43	40	+2	ENE	2	0	3	43	37	—	
	Skudesnaes ...	29.80	43	S	4	0	29.82	-02	46	41	+2	ENE	4	0	3	46	39	—	
	Christiania Fjord (Færdier) ...	29.83	43	S	2	bc	29.81	-02	44	43	+3	SE	0	C	2	45	—	—	
	Skagen (The Seaw) ...	29.85	42	2	0	bc	29.78	-07	46	44	+6	SE	3	bc	2	57	41	—	
	Fanö ...	29.80	46	SE	4	bc	29.63	-25	44	43	+2	SE	4	bc	*	52	43	—	
BRITISH ISLANDS.	Sumburgh Head ...	29.86	45	S	2	C	29.81	-05	44	43	0	ENE	5	0	5	43	40	—	
	Stornoway ...	29.45	48	SW	6	C	29.43	-02	40	39	-4	NW	6	0	6	50	33	0.10	
	Wick ...	29.53	46	S	3	0	29.50	-03	42	43	-4	W	5	C	3	52	39	—	
	Nairn ...	29.52	52	SW	1	0	29.39	-13	42	39	0	W	4	C	3	56	37	—	
	Aberdeen ...	29.61	44	ENE	4	Cq	29.42	-19	46	39	-2	W	3	bc	3	52	42	0.01	
	Leith ...	29.88	52	SE	1	bc	29.49	-29	46	41	+4	WNW	2	bc	*	58	43	—	
	Shields ...	29.67	45	ENE	4	cm	29.57	-10	47	43	+5	SW	2	cm	2	57	40	—	
	Spurn Head ...	29.67	45	ENE	5	C	29.52	-15	46	44	+2	2	0	bc	1	47	41	—	
	York ...	29.66	50	ENE	1	bc	29.54	-12	47	43	+6	W	1	bc	*	55	36	—	
	Loughborough ...	29.65	56	E	2	0	29.58	-07	49	45	+9	WNW	2	cm	*	62	38	—	
GERMANY & HOLLAND.	Ardrossan ...	29.59	48	SW	1	bc	29.56	-03	44	41	-2	NW	3	bc	2	57	40	0.06	
	Malin Head ...	29.56	47	WNW	2	ogm	29.62	-06	40	39	-5	WNW	4	ogm	4	54	38	0.05	
	Mullaghmore ...	29.61	48	W	2	om	29.70	-09	44	39	-9	WNW	5	bc	3	53	39	0.09	
	Belmullet ...	29.62	49	SW	4	0	29.72	+02	45	40	-4	NNE	2	bc	*	53	38	0.16	
	Donaghadee ...	29.61	49	SW	3	C	29.62	-10	44	42	-2	NNE	4	bc	2	57	43	0.01	
	Liverpool (Bidston) ...	29.63	54	SE	3	0	29.59	-04	45	42	+1	W	3	0	3	56	42	—	
	Holyhead ...	29.63	49	WNW	1	C	29.63	-14	44	42	-3	WNW	4	Cq	3	54	42	0.03	
	Parsonstown ...	29.63	54	2	0	C	29.73	-02	44	41	0	2	0	bc	*	56	37	0.03	
	Valencia ...	29.67	51	WNW	3	cm	29.74	+01	48	45	+1	NW	2	ov	2	53	39	0.07	
	Roche's Point ...	29.65	50	ENE	2	bc	29.72	-02	48	44	+8	WNW	3	bc	3	53	41	—	
FRANCE AND BELGIUM.	Pembroke (St. Ann's Hd.) ...	29.63	48	WNW	1	C	29.66	-03	46	44	0	WNW	3	bc	2	57	41	—	
	Scilly ...	29.62	49	NW	3	C	29.71	+09	47	47	+3	WNW	4	om	4	53	44	—	
	Prawle Point ...	29.61	49	NNE	2	bc	29.64	-03	50	41	+6	WNW	2	bc	1	55	41	—	
	Jersey (St. Aubin's) ...	29.59	54	ENE	3	ogm	29.62	-07	52	48	+3	NW	3	cm	3	63	45	—	
	Hurst Castle ...	29.61	53	ENE	3	ogm	29.58	-19	49	46	+3	NW	3	m	1	59	41	—	
	Dungeness ...	29.62	49	E	4	C	29.49	-29	47	44	+1	N	3	0	1	52	41	0.04	
	London ...	29.64	53	SE	2	0	29.56	-25	53	46	+7	WNW	1	bc	*	61	40	—	
	Oxford ...	29.63	51	ENE	1	0	29.58	-23	45	42	0	NW	1	bc	*	60	38	—	
	Cambridge ...	29.67	54	ENE	1	0	29.53	-29	50	46	+7	NW	1	bc	*	65	36	—	
	Yarmouth ...	29.70	45	ENE	4	cm	29.52	-30	48	47	+4	NNE	1	bc	3	48	42	—	
PENINSULA.	Cuxhaven ...	29.81	44	N	2	bc	29.69	-20	46	44	+3	SE	4	m	*	53	43	—	
	Berlin ...	29.85	52	SE	1	bc	29.75	-10	49	45	+3	E	4	bc	*	59	41	—	
	Wiesbaden ...	*	*	*	*	*	29.58	-30	52	46	+4	E	2	0	*	61	46	—	
	Munich ...	29.73	46	E	4	bc	29.62	-27	48	45	+6	SE	2	bc	*	54	36	—	
	The Helder ...	29.71	48	NW	1	bc	29.51	-40	49	46	+5	ENE	1	0	2	50	45	—	
	Brussels (0 a.m.) ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
	Cape Gris Nez ...	29.63	50	E	3	0	29.50	-30	45	44	+8	WNW	2	0	1	61	41	—	
	Paris ...	29.57	60	SE	1	0	29.49	-28	57	53	+3	W	1	0	*	67	53	0.09	
	Brest ...	29.63	59	N	2	bc	29.70	+01	47	46	-2	N	3	bc	2	66	43	—	
	Lorient ...	29.57	52	W	1	C	29.66	+02	44	42	-5	N	2	bc	3	63	43	—	
PENINSULA.	Rochefort ...	29.52	54	SW	4	0	29.69	+18	52	51	+1	WNW	4	C	*	68	48	—	
	Belfort ...	29.54	58	NW	3	bc	29.51	-12	51	—	+4	W	3	0	*	66	39	—	
	Lyons ...	29.58	61	S	3	0	29.63	-12	49	48	-1	ENE	1	0	*	69	47	0.12	
	Nice ...	29.73	55	E	5	0	29.56	-30	55	46	+3	E	4	0	4	57	50	0.04	
	Perpignan ...	29.70	55	E	2	0	29.63	-08	53	51	-4	N	2	0	*	61	48	0.03	
	Biarritz ...	29.62	57	N	2	0	29.70	+18	55	53	-5	WNW	4	0	4	64	52	0.12	

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, 28th April, 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.

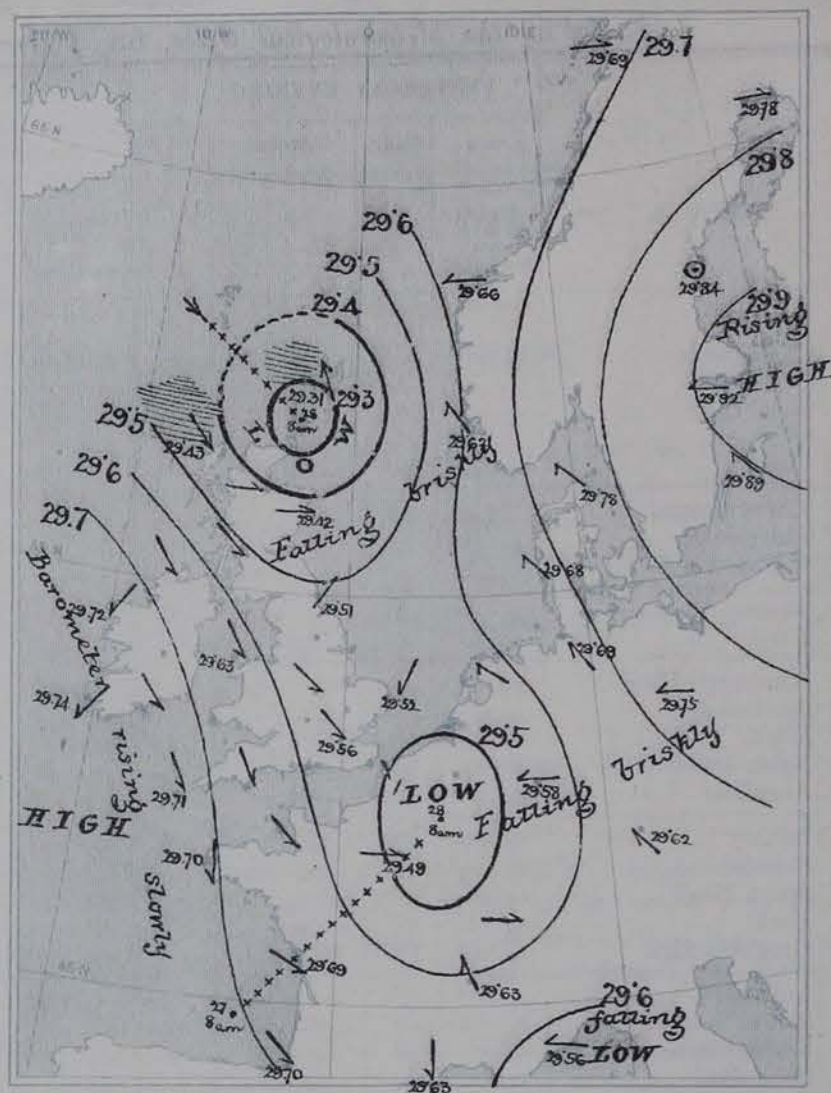
MEAN HEIGHT OF THE BAROMETER

at 8 a.m. for the month of April
During the 29 Years 1871—1900.

STATIONS.

MEAN READINGS.

STATIONS.	MEAN READINGS.
Summerville Head	29.840
Stornoway	29.824
Wick	29.818
Nairn	29.818
Aberdeen	29.858
Leith	29.868
Shields	29.860
Spurn Head	29.869
York	29.875
Loughborough	29.879
Ardrrossan	29.867
Mullaghnore	29.869
Donaghadee	29.869
Holyhead	29.867
Liverpool	29.867
Parsonstown	29.864
Valencia	29.864
Rochester Point	29.861
Pembroke	29.862
Sally	29.866
Prawle Point	29.876
Jersey	29.872
Hurst Castle	29.871
Dover	29.864
LONDON	29.874
Oxford	29.864
Cambridge	29.880
Yarmouth	29.872



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.

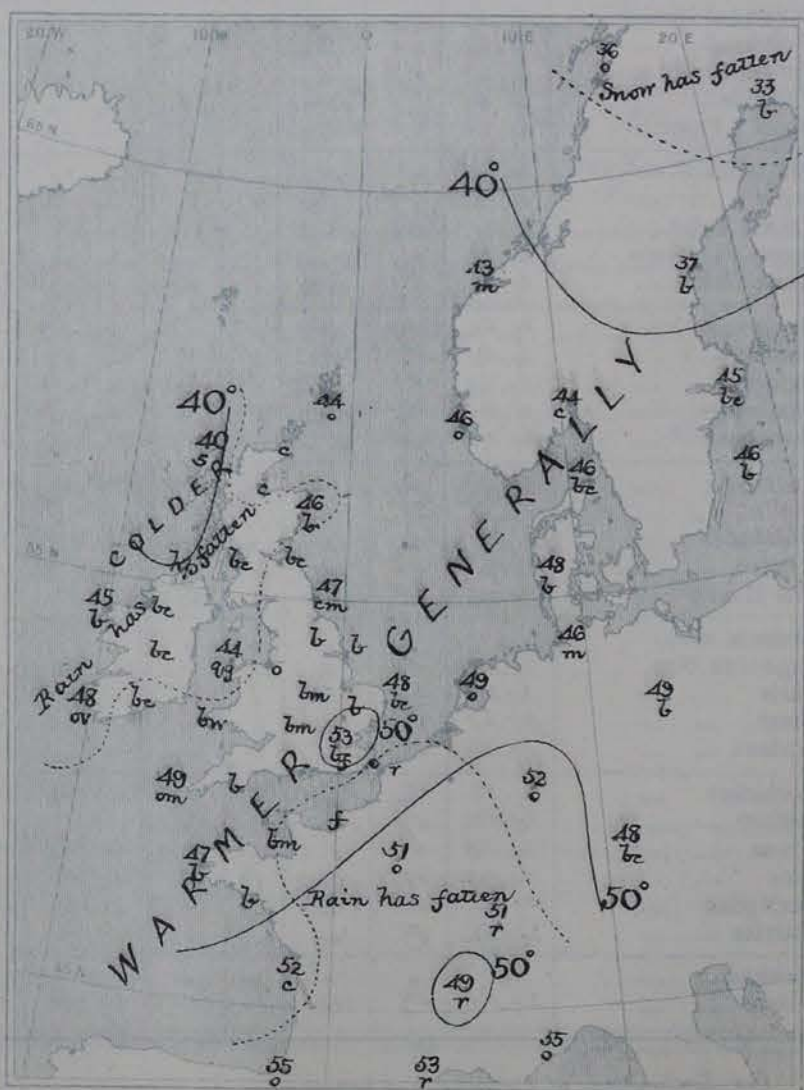
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of April.)

STATIONS.	TEMPERATURE.				RAINFALL. Inches.
	Daily Max.	Daily Min.	10°	50°	
Summerville Head	40.0	36.7	41.7	40.2	2.07
Stornoway	40.0	37.2	43.8	42.8	2.05
Wick	40.0	36.9	43.1	41.2	1.08
Nairn	40.0	37.3	42.7	40.4	1.26
Aberdeen	40.0	38.0	43.2	40.7	2.10
Leith	42.0	37.9	41.1	41.7	1.57
Shields	40.0	38.6	43.5	41.1	1.80
Spurn Head	40.0	40.3	44.0	42.3	1.45
York	43.5	37.7	43.8	41.0	1.75
Loughborough	55.1	38.1	44.4	42.1	1.78
Ardrrossan	51.5	38.6	41.1	42.1	2.14
Mullaghnore	51.9	42.3	45.3	43.0	2.05
Donaghadee	51.0	40.0	44.6	42.0	1.92
Holyhead	51.4	42.0	45.8	43.8	1.90
Liverpool	52.6	40.4	46.0	42.1	1.55
Parsonstown	54.0	38.0	45.0	42.5	2.04
Valencia	53.2	42.8	48.2	45.0	3.83
Rochester Point	53.7	42.1	46.8	44.5	3.24
Pembroke	50.4	41.9	45.2	42.4	1.94
Sally	52.1	41.7	48.0	45.0	2.27
Prawle Point	51.0	40.7	46.2	44.0	2.07
Jersey	54.2	43.5	48.5	45.2	2.08
Hurst Castle	52.1	41.0	45.5	44.2	1.83
Dover	51.1	41.5	45.3	44.0	1.77
LONDON	56.0	39.7	46.1	43.2	1.91
Oxford	54.0	38.9	44.1	42.1	1.78
Cambridge	55.8	37.3	45.2	43.0	1.60
Yarmouth	49.1	39.9	44.7	43.0	1.70

NOTE—The Temperature means are for the 29 years 1871-90, the Rainfall means are mainly those for the 25 years 1865-90.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, (1.) 29.8 in. and more to 29.7 in. over North Germany, the Baltic, and Scandinavia.
(2.) 29.7 in. and more over the western parts of our Islands and France, and the neighbouring portions of the Atlantic.
Lowest, (1) 29.3 in. and less over the Orkneys; 29.5 in. and less over Belgium; (3) below 29.6 in. over all our northern and eastern districts, and the eastern half of the North Sea.
Gradients moderate in the north, slight elsewhere.
Barometer rising in the west and southwest, falling in the east and northeast.

TEMPERATURE

Highest, 56° at Linton, 55° at Birmmgham and Nise, 53° in London, 52° at Wiesbaden, 51° at Paris.
Lowest, 33° at Skapawanda, 36° at Bodo, 37° at Kemisand, 42° in the northeastern parts of Scotland.
The past night has not been nearly so cold over England as those recently experienced and the thermometer is now rising fast (apparently very temporarily).

WIND

(1) NW, moderate to light over the northwestern, western, and southern part of our Islands and the Bay of Biscay; N in the east of Scotland, variable along our eastern coast.
(2) E over Germany, SE on the eastern shores of the North Sea, but W in Lapland.

WEATHER

Dull over Belgium and neighbouring districts, with rain at C. F. de Key; cloudy in the northeast and northwest of Scotland and Ireland, with snow at Stromsøy and hail showers at Malin Hl.
Some rain has fallen at the Irish stations generally, and in some part of Scotland, as well as over France and the Straits of Dover.

SEA

Moderate at some western stations and off the south coast of France, slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

A new but small depression has now reached the extreme NE. of Scotland from the NW^W, while the disturbance which lay over the SE. parts of the Bay of Biscay yesterday has moved NE^W to Belgium, and almost "filled up", in the mean time the barometer has begun to rise decidedly over our W. and NW. coasts. A new high-pressure system seems therefore to be spreading over us from the Atlantic. The present increase of temperature over England is not likely to last, but dry weather, with a continuance of cold NW winds seems probable.

FORECASTS

For the 24 hours ending at NOON on 29th April 1891.

DISTRICTS.

FORECASTS.

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

NW^W winds; showery, colder.

NW^W breezes; fair and dry. Cold again at night.

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

NW^W and N^W winds; dry, fine. Becoming very cold at night.

WARNINGS

NONE ISSUED.

N. 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:								THER:							
	BAR:	D.	W.	D.	F.	WEA.	SEA		BAR:	D.	W.	D.	F.	WEA.	SEA	
Skudesnaes ...	29.84	45	42	S	6	c	3	Holyhead ...	29.70	51	47	NW	1	c m	1	
Sumburgh Head ...	29.64	43	45	S	3	bc	3	Valencia ...	29.67	51	46	NW	3	c m	4	
Stornoway ...	29.53	50	47	SE	6	c	5	Scilly	
Aberdeen ...	29.67	49	42	SE	4	bc	3	Jersey ...	29.61	69	55	E	2	bc m	3	
Shields ...	29.74	45	42	SE	3	c m	2	Dungeness ...	29.71	57	49	E	1	c	4	
Ardrossan ...	29.67	53	46	W	1	c	1	London ...	29.69	57	47	E	3	bc	3	
Malin Head ...	29.63	48	44	WNW	2	c	1	Yarmouth ...	29.75	47	45	ENE	4	bc	3	
Mullaghmore ...	29.65	52	43	SE	2	c m	2	Rocheport ...	29.54	66	60	SEW	3	c	2	
Belmullet ...	29.60	52	47	WNW	3	bc	*									

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

Weather in morning fine and bright at the majority of the stations situated over northern and western Europe, as well as in Italy, cloudy and unsettled over Austria, Poland, and western Russia, over Spain, and the southwest of France, and off our extreme northwest coasts; rain falling at Rochefort and Barcelona and at Ciacow. Rain later at the Irish stations, and also over the greater part of France and in the Straits of Dover, but weather remaining dry over Great Britain as a whole.

Temperature rising a little in several parts of France, Belgium, and in Ireland, as well as over central Europe and some parts of Russia. Morning readings exceeding 60° over Algeria, at Palma and Oporto, and exceeding 50° over southern Europe generally, below 50° in all other places, and as low as 26° at Archangel, 31° at Uleaborg, 32° at Bodo, Haparanda, and Kuopio, 34° at Helsingburg and 38° at Stockholm. Rising later to 50° and more over the whole of France and the south of England; night less cold than of late.

Wind S³ and SW³ over the northwestern and northern parts of our Islands and in Norway, SE³ on our eastern coasts, E³ over the Netherlands, the southern parts of England, the Channel, and northern parts of France; very variable over the Continent as a whole, and of little force. Subsequent changes slight and irregular, but E³ wind in Channel dying down.

Barometer highest, 30.2 in. to 29.9 in. over nearly the whole of Russia, the Baltic, Germany, Austria, Italy, and southeastern Europe; lowest, 29.6 in. and less, off the extreme northwest of our Islands; also over the southeastern part of the Bay of Biscay and over Algeria. A very shallow disturbance lying over Austria and Poland. Falling all over Western Europe during day and the depression over the Bay of Biscay beginning to move northwards and north-eastwards.

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, 29th April, 1891.*
Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

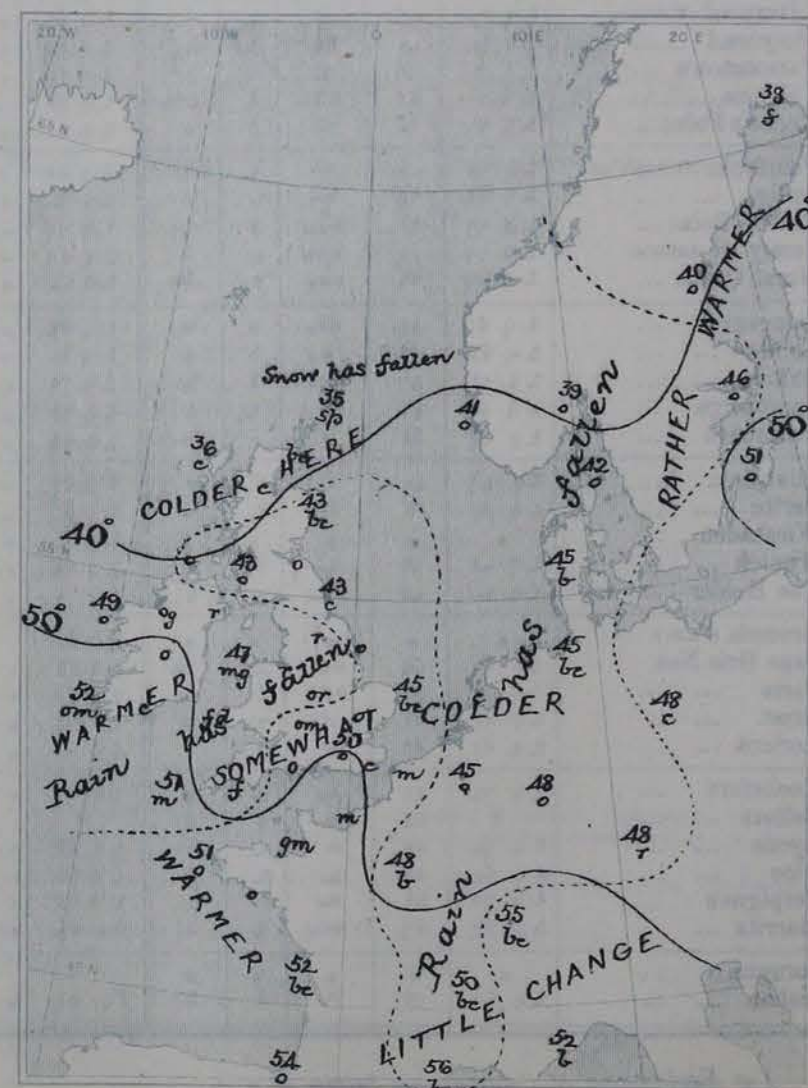
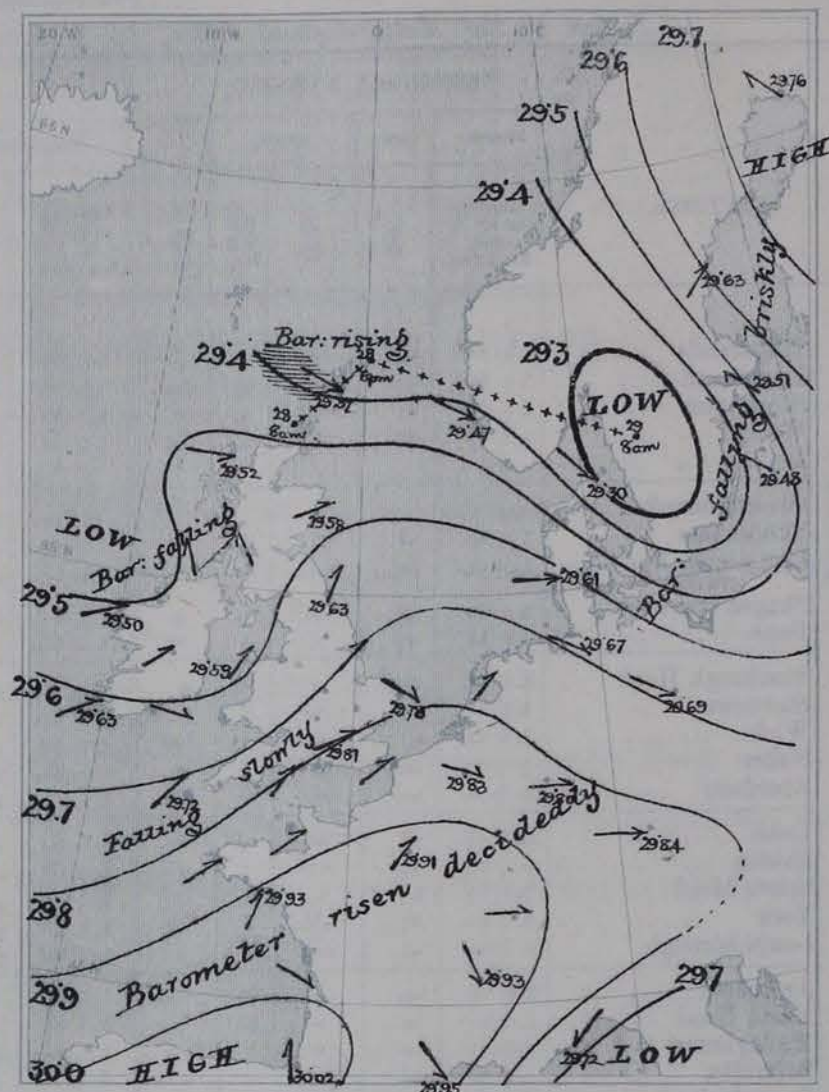
STATIONS.		YESTERDAY EVENING.					8 A.M. TO DAY.										PAST 24 HOURS.		
		BAROM.	TEMP.	WIND.		Weather.	BAROMETER.		SHADE TEMP.			WIND.		Sea. (0 to 5.)	SHADE TEMP.		Amount of Rainfall.		
		Reading at 32° F. and Sea Level.	Dry.	Dirce.	Force. (0 to 12.)		Reading at 32° F. and Sea Level.	Difference from 8 a.m. yesterday.	Dry.	Wet.	Difference from 8 a.m. yesterday.	Dirce.	Force. (0 to 12.)		Max.	Min.			
SCANDINAVIA.	Haparanda ...	29.88	29	SE	7	f	29.76	-0.2	38	36	+5	SE	2	f	*	38	28	-	
	Hernösand ...	29.62	40	SE	4	bc	29.63	-0.21	40	37	+3	SSW	2	0	*	52	27	-	
	Stockholm ...	29.62	37	SSE	2	b	29.51	-0.41	46	45	+1	SE	2	0	*	55	34	0.04	
	Wisby ...	29.78	39	E	4	bc	29.48	-0.41	51	47	+5	SE	4	0	*	48	34	-	
	Bodö ...																		
	Christiansund																		
	Skudesnaes ...	29.43	43	SE	8	r	29.47	-0.15	41	39	-5	WNW	6	0	4	50	36	0.32	
	Christiania Fjord (Færder)	29.62	46	ENE	3	0	29.27	-0.54	39	38	-5	WNW	4	0	2	48	37	0.68	
	Skagen (The Scaw)	29.55	47	SE	4	0	29.30	-0.48	42	40	-4	NW	6	0	4	52	41	0.51	
	Fanö ...	29.38	47	Z	0	r	29.61	-0.07	45	41	-3	W	6	0	*	57	39	0.24	
BRITISH ISLANDS.	Sumburgh Head	29.12	42	W	5	c	29.37	+0.06	35	34	-9	WNW	5	csp	6	46	29	0.15	
	Stornoway ...	29.55	39	NW	5	bc	29.52	+0.09	36	35	-4	W	3	c	3	43	30	0.06	
	Wick ...	29.42	41	NW	6	bc	29.50	+0.30	35	33	-7	WNW	4	bc	3	44	30	0.08	
	Nairn ...	29.52	42	W	4	bc	29.54	+0.15	40	37	-2	WSW	1	c	1	47	33	0.08	
	Aberdeen ...	29.52	42	W	6	bq	29.58	+0.16	43	36	-3	WSW	1	bc	2	50	34	-	
	Leith ...	29.57	49	SW	4	c	29.60	+0.11	43	39	-3	WNW	2	0	*	55	37	-	
	Shields ...	29.57	47	NNE	1	c	29.63	+0.12	43	38	-4	SSW	1	c	2	55	36	-	
	Spurn Head ...	29.59	47	E	1	c	29.71	+0.17	44	41	-2	SW	3	0	3	53	40	-	
	York ...	29.60	53	WNW	3	bc	29.68	+0.14	43	40	-4	SSE	1	r	*	58	35	0.01	
	Loughborough	29.67	49	WNW	4	c	29.74	+0.16	41	39	-8	ESE	1	of	*	58	39	0.02	
BRITISH ISLANDS.	Ardrossan ...	29.64	44	W	5	c	29.56	-0.09	43	41	-1	SSE	3	0	2	49	40	-	
	Malin Head ...	29.67	42	W	2	0	29.53	-0.09	40	38	0	SSE	3	0	2	44	37	-	
	Mullaghmore ...	29.71	45	W	2	0	29.51	-0.19	42	41	-2	S	5	og	3	47	39	0.03	
	Belmullet ...	29.71	46	W	1	0	29.50	-0.22	49	48	+4	WNW	1	0	*	49	40	0.04	
	Donaghadee ...	29.70	45	NE	4	c	29.57	-0.05	41	41	-3	E	2	r	0	48	39	0.04	
	Liverpool (Bidston)	29.71	45	W	4	c	29.62	+0.03	44	43	-1	SE	3	r	3	49	40	0.03	
	Hoyhead ...	29.72	47	WSW	2	cq	29.59	-0.04	47	47	+3	SW	3	gm	3	50	44	0.07	
	Parsonstown ...	29.72	49	Z	0	0	29.54	-0.19	51	49	+7	SW	1	0	*	52	44	-	
	Valencia ...	29.71	51	SSE	3	om	29.63	-0.11	52	50	+4	WSW	2	om	2	54	46	0.07	
	Roche's Point...	29.74	50	SW	3	c	29.61	-0.11	51	49	+3	WNW	2	c	3	52	48	0.10	
BRITISH ISLANDS.	Pembroke (St. Ann's Hd.)	29.76	46	SW	2	bc	29.65	-0.01	47	47	+1	S	4	fd	3	50	45	-	
	Scilly ...	29.82	50	NW	4	c	29.72	+0.01	51	51	+2	SSW	4	m	4	53	48	0.02	
	Prawle Point ...	29.77	51	WNW	3	bc	29.79	+0.15	48	47	-2	SSW	4	f	2	61	40	0.01	
	Jersey (St. Aubin's)	29.77	52	WNW	4	b	29.89	+0.27	51	49	-1	SW	3	ogm	3	56	43	-	
	Hurst Castle ...	29.69	56	WNW	5	bc	29.84	+0.26	48	47	-1	SW	4	0	1	61	42	-	
	Dungeness ...	29.59	52	WSW	5	c	29.82	+0.33	49	43	+2	SW	3	c	2	64	36	-	
	London ...	29.64	56	NW	3	c	29.81	+0.25	50	46	-3	WSW	3	0	*	64	38	-	
	Oxford ...	29.73	47	NW	3	bc	29.77	+0.19	44	40	-1	S	3	om	*	61	38	-	
	Cambridge ...	29.64	55	N	2	c	29.78	+0.23	47	41	-3	S	1	0	*	67	33	-	
	Yarmouth ...	29.58	53	N	1	cm	29.78	+0.26	45	42	-3	NW	1	bc	2	53	37	-	
GERMANY & HOLLAND.	Cuxhaven ...	29.47	47	S	4	r	29.67	-0.02	45	43	-1	WNW	4	bc	*	49	42	0.24	
	Berlin ...	29.58	56	SE	2	c	29.69	-0.06	48	45	-1	WNW	4	c	*	63	46	-	
	Wiesbaden ...	*	*	*	*	*	29.80	+0.22	48	46	-4	W	2	0	*	64	41	0.08	
	Munich ...	29.63	58	SW	8	0	29.84	+0.22	48	47	0	W	5	r	*	63	48	0.04	
	The Helder ...	29.60	45	WNW	2	b	29.75	+0.24	45	44	-4	SW	1	c	1	50	43	0.20	
	Brussels (9 a.m.)	*	*	*	*	*	29.83		45	43		WNW	2	0	*	55	39	0.04	
	Cape Gris Nez	29.60	50	WSW	4	bc	29.76	+0.26	44	39	-1	NW	2	m	1	57	39	-	
	Paris ...	29.70	60	WNW	3	bc	29.91	+0.42	48	44	-3	SW	1	b	*	61	40	0.04	
	Brest ...	29.88	53	N	2	b	29.88	+0.18	51	50	+4	SW	3	0	3	68	43	-	
	Lorient ...	29.81	53	W	3	b	29.93	+0.27	50	49	+6	SSW	2	0	3	55	45	-	
FRANCE AND BELGIUM.	Rochefort ...	29.72	55	NW	4	b	29.87	+0.18	52	?	0	WNW	3	bc	*	59	43	-	
	Belfort ...	?	56	W	5	0	?	?	55	52	+4	W	4	bc	*	62	45	-	
	Lyons ...	29.72	55	N	2	0	29.93	+0.30	50	46	+1	WNW	3	bc	*	62	46	0.08	
	Nice ...	29.62	50	SW	2	f	29.72	+0.16	52	51	-3	NE	2	b	1	61	48	-	
	Perpignan ...	29.75	58	NW	3	c	29.95	+0.32	56	48	+3	NW	3	bc	*	63	51	0.08	
	Biarritz ...	29.87	57	WNW	3	c	30.02	+0.32	54	51	-1	S	2	0	*	61	52	-	
	Corunna ...	*	*	*	*	*													
	Lisbon ...	29.89	58	N	5	b	30.02	+0.24	58	55	+2	WNW	3	b	6	64	54	-	

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

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

for 8 a.m. on Wednesday 29th April, 1891.

EXPLANATION OF MAP



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.0 in: and more, to 29.8 in: over the Iberian Peninsula, France, and the southeast of England.
 Lowest, 29.5 in: and less, off our extreme northwestern coasts, 29.3 in: and less, over the south of Sweden, and about 29.7 in: over the Gulf of Genoa.
 Gradients slight, except on the eastern shore of the North Sea.
 Barometer rising in the far north, but inclined to fall over England, falling steadily on our northwestern coasts.

TEMPERATURE

Highest, 58° at Lisbon, 56° at Perpignan, 52° at Nice, Rochefort, and Valencia Island, 50° in London.
 Lowest, 35° at Sumburgh H^d and Wick, 36° at Bournemouth, 40° at Kairi, 43° on our northeast coasts.
 After rising to 64° in the shade over London yesterday, it fell to 38° early this morning (30° on the grass) but then rose quickly.

WIND

Strong from the NWnd on the eastern side of the North Sea, fresh from WNW in the north of Scotland; moderate from between SSW and SE. over England, light from SW and W. in Ireland.

WEATHER

Fine (but not settled) at most of the Scotch stations, cloudy or overcast elsewhere, with rain at several English stations, snow showers at Sumburgh H^d. The fall of rain or snow has been slight in our islands, but considerable on the eastern shore of the North Sea. Thunder was heard at Belfort yesterday.

SEA

Rough at Sumburgh H^d, moderate at Seilly, the Scaw, and Skudermoes, slight or smooth on our coasts as a whole.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression noticed near the Orkney Islands yesterday, has passed away to Sweden leaving cold weather and snow at the northern Scotch stations, with a fresh Wth breeze; that observed over Belgium filled up over the North Sea. All over France and England the barometer has risen decidedly, but this morning's observations show that a new (shallow) disturbance has reached our northwestern coasts. The general appearance is unsettled and showery, favourable for Sth to Wth breezes and some rain, but not threatening much wind.

FORECASTS

For the 24 hours ending at NOON on 30th April 1891.

DISTRICTS.

FORECASTS.

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

Varying Sth and Wth winds, light; changeable, milder, some rain.

Sth and SWth breezes, moderate to light; changeable, slight rain at times.

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

WARNINGS

NONE ISSUED.

The South Code, 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 Code is held in preference to the South Code.

The North Code, 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 Code is held in preference to the North Code.

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 ...	29.53	50	44	SSE	8	0	4		Holyhead ...	29.71	47	43	N	4	3
Sumburgh Head ...	29.54	44	43	SSE	6	c	6		Valencia ...	29.76	54	47	N	1	1
Stornoway ...	29.54	41	38	NW	6	S	5		Scilly ...	29.78	53	50	NW	4	4
Aberdeen ...	29.67	46	39	N	6	bcq	4		Jersey ...	29.72	55	50	NW	4	3
Shields ...	29.54	49	45	NNE	2	e	2		Dungeness ...	29.56	52	48	WSW	4	3
Ardrossan ...	29.61	48	43	N	4	c	3		London ...	29.58	63	52	NW	2	*
Malin Head ...	29.67	44	40	NW	3	0	3		Yarmouth ...	29.55	52	48	NNE	3	3
Mullaghmore ...	29.73	46	39	WNW	4	0	3		Rochefort ...	29.64	58	54	NW	4	4
Belmullet ...	29.76	46	41	NW	1	0	*								

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

Weather in morning, fine and bright in the East and south of the British Islands, the northwest of France, and on the eastern shores of the North Sea, also over southeastern Europe and Central Russia. Cloudy, or overcast elsewhere and somewhat unsettled. Snow falling in the Shetlands, rain at several of the Mediterranean and French stations, and at Lisbon. Snow generally in the north of Scotland later, slight rain in Ireland and a large quantity of rain in Norway, and on the eastern shores of the North Sea. Thunder at Folkestone in afternoon.

Temperature changing irregularly; rising over France and England, falling in Scotland, and over south Germany. Morning readings exceeding 50° all over southern Europe, and exceeding 60° at many of the western, southern, and eastern stations on the shores of the Mediterranean, much lower in the north. Lowest, 21° at Archangel, 25° at Kuopio, 33° at Napavanda, 38° at St. Petersburg, and 40° to 42° in the north of Scotland. Rising to between 60° and 64° over the south of England later, and to 68° at Paris. Sharp frost over Scotland at night.

Wind mainly, NW over the west of Scotland, Ireland, England, and the north and west of France, W in the East of Scotland, SE on the eastern shores of the North Sea; E over northwest Germany, SE at Munich, W in the East of France. Another cyclonic circulation over Mediterranean. Blowing a gale from NW in north of Scotland later and from SSE at Skudesnaes; becoming very light and variable on our western coasts.

Barometer highest, 30.2 ins. to 30.0 ins. over Russia, the Black Sea, and Asia Minor; 29.8 ins. to 29.7 ins. over Spain, the Bay of Biscay, and greater part of Ireland; lower over the whole of the British Islands, North Sea, France, western Germany, and the Mediterranean, and as low as 29.5 ins. and less, in a depression over Scandinavia, and in another one over Belgium and the northeast of France, and 29.2 ins. and less, in a small but deep system over the Orkneys and Caithness. Latter disturbance moving northeastwards later and growing deeper, while that over Belgium advanced to the North Sea and filled up. New depression approaching Ireland at night.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.— Infort Scale is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (haz); 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, 30th April, 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.		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 ...	29.58	39	E	2	0	29.26	- 50	36	35	- 2	E	2	1	*	45	27	0.12
	Hernösand ...	29.26	38	Z	0	1	29.25	- 38	41	38	+ 1	N	4	0	*	43	36	0.51
	Stockholm ...	29.42	42	SW	2	0	29.50	- 01	44	39	- 2	SW	4	0	*	55	32	0.12
	Wisby ...	29.56	40	N	4	0	29.58	+ 10	44	40	- 7	SSW	4	0	*	54	37	0.08
	Bodö ...	29.30	42	E.N.E.	4	0	29.27	- 23	41	40	- 2	N	1	1	2	46	37	0.08
	Christiansund	29.36	39	N.W.	6	0	29.36	+ 11	40	37	- 8	SW	3	0	3	*	37	0.20
	Skudesnaes ...	29.54	38	SSW	1	0	29.47	- 00	40	36	- 1	SE	4	0	2	44	37	-
	Christiania Fjord (Færd)	29.49	43	N.W.	5	0	29.45	+ 18	40	36	+ 1	NW	4	0	2	48	39	-
	Skagen (The Scaw)	29.59	40	N	3	0	29.43	+ 13	39	38	- 3	SE	1	0	0	52	36	0.28
	Fanö ...	29.67	41	SW	4	1	29.45	- 16	45	44	0	N.W.	6	0	*	48	39	0.20
BRITISH ISLANDS.	Sumburgh Head	29.41	40	N	2	0	29.34	- 03	44	43	+ 9	SW	2	0	3	44	35	-
	Stornoway ...	29.36	43	S	3	0	29.29	- 23	47	46	+ 11	SW	4	0	4	47	34	0.02
	Wick ...	29.40	42	N.W.	3	0	29.35	- 15	45	43	+ 10	SW	1	0	1	45	35	-
	Nairn ...	29.35	47	Z	0	0	29.34	- 20	49	45	+ 9	N.W.	1	0	1	49	36	0.02
	Aberdeen ...	29.45	42	SSW	3	0	29.41	- 17	50	45	+ 7	SSW	1	0	2	50	39	0.04
	Leith ...	29.40	47	N.E.	1	1	29.46	- 14	49	46	+ 6	Z	0	0	*	49	41	-
	Shields ...	29.43	49	SSW	3	1	29.48	- 15	49	46	+ 6	Z	0	0	2	51	41	0.03
	Spurn Head ...	29.52	52	SW	3	1	29.54	- 17	52	51	+ 8	SW	4	0	3	54	43	0.25
	York ...	29.50	55	N	3	0	29.51	- 17	51	51	+ 8	N	1	0	*	56	40	0.05
	Loughborough	29.57	55	N.W.	2	0	29.58	- 16	52	52	+ 11	SW	3	0	*	56	41	0.04
GERMANY & HOLLAND.	Ardrossan ...	29.41	44	Z	0	0	29.45	- 11	47	47	+ 4	S	3	0	2	47	42	0.05
	Malin Head ...	29.37	46	N.W.	3	0	29.42	- 11	47	46	+ 7	N.W.	3	0	2	47	40	0.07
	Mullaghmore ...	29.39	47	N.W.	1	0	29.47	- 04	49	46	+ 7	SSW	3	0	2	50	42	0.05
	Belmullet ...	29.38	48	N	1	0	29.46	- 04	49	48	0	E	1	0	*	49	44	0.09
	Donaghadee ...	29.44	49	SW	3	0	29.50	- 07	51	50	+ 10	N	3	0	1	51	40	0.19
	Liverpool (Bidston)	29.52	52	SW	3	0	29.54	- 08	50	49	+ 6	N.W.	2	0	2	57	44	0.12
	Holyhead ...	29.51	47	SW	4	0	29.54	- 05	49	48	+ 2	N.W.	2	0	2	50	46	0.05
	Parsonstown ...	29.43	50	Z	0	1	29.50	- 04	50	47	- 1	Z	0	0	*	55	46	0.07
	Valencia ...	29.48	54	SW	4	0	29.49	- 14	54	52	+ 2	SW	6	0	6	55	48	0.11
	Roche's Point...	29.53	52	N.W.	5	0	29.53	- 08	51	50	0	N.W.	3	1	4	57	49	0.20
FRANCE AND BELGIUM.	Pembroke (St. Ann's Id.)	29.59	48	SSW	5	1	29.59	- 06	48	46	+ 1	SSW	6	0	5	49	47	0.20
	Scilly ...	29.72	52	SSW	5	0	29.70	- 02	52	52	+ 1	SSW	6	0	5	55	49	0.01
	Prawle Point ...	29.76	47	SSW	4	0	29.75	- 04	49	49	+ 1	SW	5	0	3	50	44	0.05
	Jersey (St. Aubin's)	29.84	54	SSW	4	0	29.86	- 03	54	52	+ 3	SSW	4	0	3	58	49	0.01
	Hurst Castle ...	29.74	48	SW	4	0	29.76	- 08	49	49	+ 1	N.W.	4	0	4	50	47	0.01
	Dungeness ...	29.76	50	SW	4	0	29.75	- 07	48	47	- 1	N.W.	5	0	4	51	48	0.05
	London ...	29.69	52	S	4	0	29.68	- 13	55	52	+ 5	SW	4	0	*	56	46	-
	Oxford ...	29.64	52	SSW	4	0	29.65	- 12	56	53	+ 12	SSW	6	0	*	56	44	-
	Cambridge ...	29.63	54	SSW	3	0	29.64	- 14	55	53	+ 8	SW	3	0	*	58	46	0.01
	Yarmouth ...	29.65	53	SW	5	0	29.61	- 17	52	51	+ 7	N.W.	4	0	4	54	44	0.04
PORTUGAL.	Cuxhaven ...	?	47	N.W.	4	1	29.61	- 06	49	49	+ 4	N.W.	5	0	*	54	45	0.24
	Berlin ...	29.86	51	NW	3	0	29.78	+ 09	48	46	0	SSW	4	0	*	55	43	-
	Wiesbaden ...	*	*	*	*	*	29.92	+ 12	52	47	+ 4	N	2	0	*	63	41	-
	Munich ...	29.99	49	SW	4	0	30.00	+ 25	52	46	+ 4	SW	3	0	*	54	41	0.02
	The Helder ...	29.71	47	SSW	4	1	29.63	- 12	46	46	+ 1	SW	4	0	3	50	45	0.28
	Brussels (9 a.m.)	*	*	*	*	*	29.82	- 01	53	49	+ 8	SSW	5	0	*	58	44	-
	Cape Gris Nez	29.76	52	SSW	4	0	29.74	- 02	50	48	+ 6	SW	5	0	5	54	43	-
	Paris ...	29.91	61	SW	2	0	29.96	+ 05	54	47	+ 6	SSW	4	0	*	65	47	-
	Brest ...	29.88	52	SW	3	0	29.88	- 00	53	53	+ 2	SW	4	0	5	61	46	-
	Lorient ...	29.92	53	SW	5	0	29.92	- 01	51	51	+ 1	SW	3	0	5	57	50	-
FRANCE AND BELGIUM.	Rocheport ...	29.98	54	N.W.	4	0	29.97	+ 12	55	54	+ 3	SW	4	0	*	66	43	-
	Belfort ...	?	53	N	3	0	?	?	57	?	+ 2	N	3	0	*	65	39	-
	Lyons ...	29.98	61	N.E.	1	0	30.09	+ 16	53	47	+ 3	S	1	0	*	65	44	-
	Nice ...	29.85	58	SW	2	0	30.11	+ 39	52	52	0	SE	1	0	1	68	48	-
	Perpignan ...	29.97	65	NW	3	0	30.10	+ 15	57	52	+ 1	SW	1	0	*	68	46	-
	Biarritz ...	30.04	62	N.E.	3	0	30.06	+ 04	59	53	+ 5	Z	0	0	2	66	52	-
PORTUGAL.	Corrua ...	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	Lisbon ...	30.04	62	N.W.	4	0	30.06	+ 04	60	55	+ 2	E.N.E.	2	0	5	73	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 Thursday, 30th April, 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:

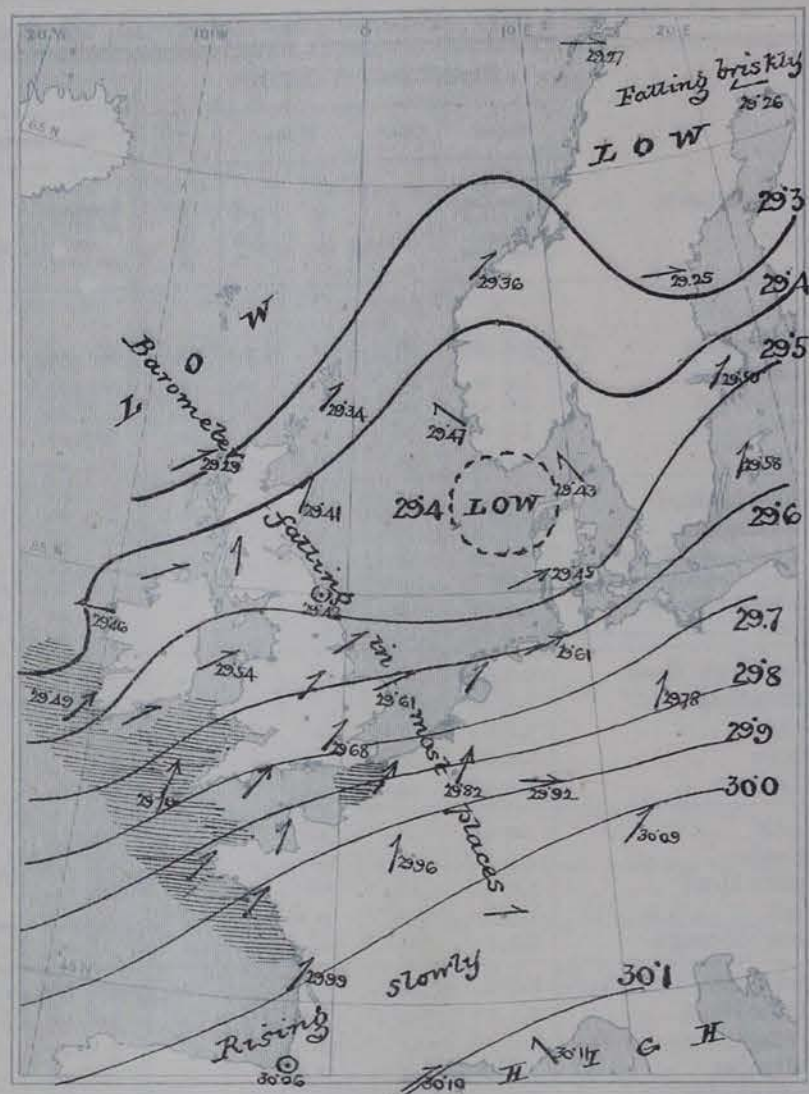
— Rough. — High.

MEAN HEIGHT OF THE BAROMETER

at 8.0 a.m. for the month of April

During the 20 Years: 1871–1890.

STATIONS.	MEAN READINGS.
Sumburgh Head	29.840
Stornoway	29.824
Wick	29.818
Nairn	29.818
Aberdeen	29.808
Leith	29.803
Shields	29.806
Sourth Head	29.803
York	29.815
Loughborough	29.819
Ardrossan	29.807
Mullaghmore	29.809
Donaghadee	29.859
Holyhead	29.857
Liverpool	29.807
Parsonstown	29.861
Valencia	29.861
Roche's Point	29.881
Pembroke	29.852
Sally	29.836
Prawle Point	29.876
Jersey	29.872
Hurst Castle	29.871
Dover	29.801
LONDON	29.878
Oxford	29.844
Cambridge	29.880
Yarmouth	29.872



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.

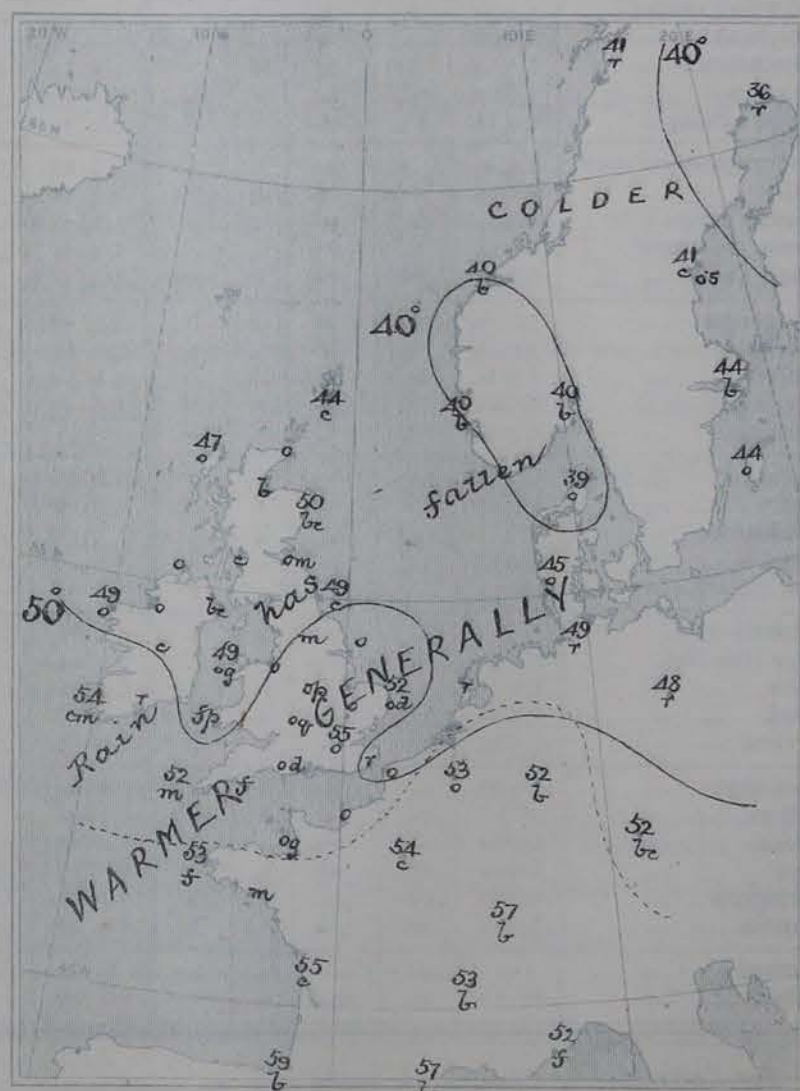
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL

(For the month of April)

STATIONS.	TEMPERATURE.				RAINFALL (Inches.)
	Daily Max.	Daily Min.	at 8 a.m.	at 4 p.m.	
Sumburgh Head	46.0	30.7	41.7	40.2	2.07
Stornoway	44.0	37.2	43.8	42.3	2.05
Wick	48.9	39.9	43.1	41.2	1.03
Nairn	50.0	37.3	42.7	40.4	1.26
Aberdeen	49.3	38.0	43.2	40.7	2.16
Leith	52.0	37.0	44.1	41.7	1.67
Shields	49.0	38.6	43.5	41.4	1.80
Sourth Head	48.4	40.8	44.0	42.3	1.45
York	43.5	37.7	43.8	41.0	1.75
Loughborough	55.1	38.1	44.4	42.1	1.78
Ardrossan	51.5	39.5	44.4	42.1	2.11
Mullaghmore	51.9	42.3	45.3	43.0	2.05
Donaghadee	51.0	40.0	44.6	42.3	1.02
Holyhead	51.4	42.0	45.8	43.8	1.00
Liverpool	52.0	40.4	45.0	43.1	1.55
Parsonstown	54.0	38.0	45.0	42.5	2.04
Valencia	53.0	42.8	48.2	45.0	3.83
Roche's Point	53.7	42.1	45.8	44.5	3.24
Pembroke	50.4	41.2	45.2	43.1	1.04
Sally	52.1	44.7	48.0	46.0	1.27
Prawle Point	51.9	40.7	46.2	44.0	2.07
Jersey	54.2	43.5	48.5	45.9	2.08
Hurst Castle	52.1	41.0	45.5	44.2	1.85
Dover	51.1	41.5	45.3	44.0	1.77
LONDON	56.0	39.7	46.1	43.2	1.84
Oxford	54.0	38.0	44.1	42.1	1.78
Cambridge	55.8	37.0	44.2	41.0	1.69
Yarmouth	49.1	39.9	44.5	43.0	1.70

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 more to 29.9 in. over the Mediterranean, France, the Bay of Biscay, and Spain.
Lowest, 29.3 in. and less, both over the northern parts of Scandinavia and off the north of Scotland.
Gradients slight in the north, rather steep in the south.
Barometer still falling in our Islands, but not quickly.

TEMPERATURE

Highest, 60° at Lisbon, 59° at Biarritz, 56° at Oxford, 55° in London, 54° at Paris.
Lowest, 36° at Hafnarfjörður, 35° at the Swan, 44° at Lumburg Ht., 47° at Malin Head.
 It has risen decidedly in our Islands, especially in the north.

WIND

SW^{ly} over the United Kingdom generally, — light at the northwestern and northern stations, fresh to strong in the Channel and southern parts of Ireland and England.

WEATHER

Fair but changeable in the north. Cloudy and rather showery over our Islands, hazy in the Channel, very fine over Germany and the south of France.
 Rain has fallen over our Islands very generally except in the southeast but not heavily.

SEA

Moderate to rather rough on our south and southwest coasts, slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Barometric pressure continues to decrease over the British Islands, especially in the west and north, and to increase over France, but the gradients over our northern districts are slight and irregular, while those in the south are somewhat steep. Temperature is much higher than of late, and its daily range small. The depressions reaching Ireland do not appear to be of a threatening character.

FORECASTS

For the 24 hours ending at NOON on 1st MAY 1891.

DISTRICTS.

FORECASTS.

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

SW^{ly} and Variable breezes;
 changeable, slight local showers.
 SW^{ly} breezes, fresh or strong; cloudy,
 slight showers. Mild.

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.

Same as Nos 3 to 5.

Same as Nos 0 to 2.

SW^{ly} breezes, fresh; showery.

WARNINGS

The signals hoisted yesterday have been lowered again today.

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 E. 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 ...	29.54	46	40	W	4	C	4	Holyhead ...	29.55	49	48	SSW	3	o g m	3
Sumburgh Head ...	29.44	40	37	W	4	C	5	Valencia ...	29.52	52	51	S	7	om u	6
Stornoway ...	29.44	42	40	SW	3	C	3	Scilly ...	29.74	55	52	SW	4	C	4
Aberdeen ...	29.51	43	39	SSE	4	o g q	3	Jersey ...	29.86	57	52	S	3	o g m	3
Shields ...	29.51	44	43	SE	1	O	2	Dungeness ...	29.80	50	47	SW	5	C	3
Ardrossan ...	29.47	45	43	Z	0	T	0	London ...	29.74	55	51	SW	4	O	*
Malin Head ...	29.44	44	44	S	2	O	1	Yarmouth ...	29.73	51	48	S	4	bc	4
Mullaghmore ...	29.46	49	46	SW	4	OT	3	Rocheport ...	29.97	63	57	WNW	3	O	*
Belmullet ...	29.47	47	46	SW	2	T	*								

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

Weather in morning fine and bright over the Spanish Peninsula and France, and at a few stations on the shores of the North Sea and in central Russia. Cloudy and unsettled elsewhere, with rain in many localities, and fog on our southwest coasts. Some rain later over nearly the whole of our Islands, and a larger amount over Scandinavia and the eastern shores of the North Sea; fog thick on the Welsh coast for many hours.

Temperature changing very irregularly; beginning to rise decidedly over Ireland and England, but still low in Scotland. Morning readings exceeding 60° at many of the Mediterranean and Spanish stations, and exceeding 50° in several parts of France, Austria, Germany, the southwestern coasts of the British Islands, and West and Moscow. Lowest (1) 29° at Archangel, 38° at Haparanda, 39° at Kuopio; (2) 35° at Sumburgh Hd and Wick, 36° at Stornoway, 40° at Kairi and Malin Head. Rising later to between 7° and 58° over the British Isles, and to between 60° and 68° in France.

Wind very variable; mainly SE³ to SW³ over Ireland and England, but NW³ in the north of Scotland and the eastern shores of the North Sea, SE³ over the Baltic and Finland, S³ air prevalent over central Russia. Moderate S³ gale at Valencia later and wind becoming strong from SW in English Channel.

Barometer highest 30.0 in. and more to 29.8 in. over Spain, the Bay of Biscay, and France; 30.2 in. to 29.9 in. over Russia; lower over Scandinavia, the Baltic, central, and southern Europe, and as low as 29.3 in. and less over the south of Sweden, 29.7 in. and less over Poland, Austria, the north of Italy and Greece, and 29.5 in. and less, off our extreme northwest coasts. Falling decidedly in Ireland later, as new disturbances approached that country from the westward.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—Beaufort Scale is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.
* AN ASTERISK is inserted in all places for which information is not usually received.
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.	
				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.		
1	Corunna...	*	*	*	*	*	29.70	- 33	52	52	- 2	S	5	r	4	57	45	0.24	
2	Brussels...	*	*	*	*	*	29.93	- 14	37	-	+ 2	SE	2	c	*	46	?	-	
	Corunna...	*	*	*	*	*	29.90	+ 20	56	51	+ 4	nnw	5	0	5	57	48	0.20	
3	Corunna...	*	*	*	*	*	29.86	- 04	58	57	+ 2	SSW	4	0	4	59	52	0.08	
4	Brussels...	*	*	*	*	*	29.81	+ 14	43	-	+ 3	ESE	2	r	*	51	36	-	
	Corunna...	*	*	*	*	*	29.99	+ 13	58	55	0	SW	4	0	3	59	52	0.39	
7	Corunna...	*	*	*	*	*	30.01	+ 22	55	52	+ 3	N	1	b	3	55	46	0.95	
8	Skudesnaes...	30.04	39	NNE	1	0	30.10	+ 10	40	35	+ 2	N	2	b	2	?	34	0.24	
	Brussels...	*	*	*	*	*	29.84	+ 32	37	-	- 6	NNW	3	0	*	44	36	0.35	
	Corunna...	*	*	*	*	*	30.04	+ 03	52	50	- 3	N	2	b	2	59	50	-	
10	Corunna...	*	*	*	*	*	30.18	+ 15	50	48	- 1	N	1	0	1	57	43	-	
13	Corunna...	*	*	*	*	*	30.10	- 07	58	56	0	SW	4	0	3	59	50	0.04	
15	Corunna...	*	*	*	*	*	30.29	+ 15	52	49	+ 2	NNE	4	b	4	55	48	-	
18	Corunna...	*	*	*	*	*	29.81	- 23	66	62	+ 5	NNE	2	m	1	68	54	-	
20	Corunna...	*	*	*	*	*	29.99	+ 23	60	57	- 4	SW	1	0	2	70	50	0.28	
21	Corunna...	*	*	*	*	*	30.04	+ 05	61	59	+ 1	SW	1	0	2	68	55	0.04	
22	Corunna...	*	*	*	*	*	29.91	- 13	63	59	+ 2	SW	2	c	2	66	54	-	
23	Corunna...	*	*	*	*	*	29.83	- 08	59	56	- 4	SW	3	0	2	64	52	0.20	
24	Corunna...	*	*	*	*	*	29.91	+ 08	58	54	- 1	N	1	0	2	61	52	0.12	
25	Corunna...	*	*	*	*	*	29.91	00	57	56	- 1	NW	1	0	1	64	50	-	
27	Corunna...	*	*	*	*	*	29.67	+ 06	58	56	- 3	N	2	0	3	63	52	-	
28	Brussels...	*	*	*	*	*	29.76	+ 09	60	55	+ 2	N	1	b	2	61	50	-	
29	Bodo...	29.72	39	NE	1	b	29.50	- 19	43	37	+ 7	ENE	2	b	1	?	36	0.04	
	Christiansund	29.10	46	ESE	2	c	29.25	- 41	48	42	+ 5	SSW	2	0	2	50	?	-	
	Corunna...	*	*	*	*	*	29.96	+ 20	61	57	+ 1	N	1	0	3	64	52	-	
30	Corunna...	*	*	*	*	*	30.02	+ 06	62	60	+ 1	N	2	0	3	68	57	-	

2. CORRECTIONS.

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 9.)	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.		
1	Wick	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	37	-	
2	Kaparanda . . .	30.32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
3	Mairn	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	29	-	
4	Aberdeen	29.87	-	-	-	099	-	-	-	-	-	-	-	-	-	-	-	-	
..	Prawle Point . .	29.60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
6	Leith	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.02	
..	Spurn Head . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.03	
..	Belmullet	-	-	-	-	-	-	-	-	-	-	-	-	-	-	51	-	-	
..	Valencia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.03	
7	Mullaghmore . .	29.78	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
..	Pembroke	-	-	-	-	-	-	-	-	-	-	-	-	-	-	51	-	-	
10	Prawle Point . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	46	-	-	
11	Valencia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.40	
..	Munich	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	31	-	
13	Parsonstown . . .	30.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
14	York	30.10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
..	Brest	-	-	-	-	-	-	-	-	-	-	-	-	-	-	45	-	-	
15	Valencia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	55	-	-	
..	Cambridge	-	-	-	-	-	30.15	00	-	-	-	-	-	-	-	-	-	-	
16	Shields	-	48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
17	Sumburgh Hd . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.02	
28	Skagen	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	40	-	
..	Wick	-	-	-	-	-	29.20	50	-	-	-	-	-	-	-	-	-	-	
..	York	-	-	-	-	-	-	-	-	-	-	-	-	-	-	56	-	-	
..	The Helder	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	44	-	
..	Paris	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	48	-	

ADDITIONAL CORRECTIONS for MARCH, 1891.

MARCH																		
28	Skudesnaes 2pm						29.34		38			ESE	2	c	2			
	Sumburgh Hd 2pm						29.44		35	35		NSW		sp				
	Stornoway 2pm						29.68		44	42		SW	6		6			
	Aberdeen 2pm						29.66		42	38		WNW	6	cqu				
	Shields, 2pm						29.72		45	40		NW		op	5			
	Mullaghmore 2pm						30.03		45	41		NW	5	cht	4			
	Belmullet 2pm								46	42		NW	2	o				
	Hayhead 2pm						29.92		45	41		NNW		cq				
	Valencia 2pm						30.11					N	5	bcq	5			
	Scilly 2pm						29.98			42		NNW	5					
	Dungones 2pm								47	43								
	London 2pm						29.77		48	41			3	c				
	Yarmouth 2pm						29.66		44	41				cq	4			
	Rocheport 2pm						30.04		50	46		W	4					