METEOROLOGICAL OFFICE.

DAILY WEATHER REPORTS.

1ST JANUARY TO 30TH JUNE, 1898.

DAILY WEATHER REPORT.

January to June 1898.

WYMAN AND SONS, LTD LITH LONDON 30/3.7.98.

DAILY WEATHER REPORT

for 8 a.m. on Wednesday 1st June, 1898.

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

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)									PAST 24 HOURS.				
		Barom.	Temp.	Wind.			Barometer.		Temperature.			Wind.						Temp.		
		At 32° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)	Weather	At 32° Fahr. and M. S. L.	Change since Yesterday.	Dry Bulb.	Wet Bulb.	Change since Yesterday.	Direc.	Force (0 to 12.)	Weather.	Sea (0 to 9.)	Weather.	Hours of Bright Sunshine.	Max.	Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
Scandinavia.	Haparanda ...	29.98	53	NE	0	b	30.01	+ .13	57	51	+ 5	ENE	6	c	#	b	#	61	39	—
	Hernösand ...	29.79	46	NE	0	r	29.63	— .15	45	45	— 2	ENE	6	r	#	r	#	54	39	1.38
	Stockholm ...	29.69	51	NE	2	o	29.59	— .17	50	48	+ 2	W	2	o	#	o	#	54	46	0.20
	Wisby	29.67	44	N	4	f	29.62	— .10	48	47	+ 4	NNW	4	o	#	f	#	?48	41	0.04
	Karlstad ...	29.68	51	S	2	b	29.56		52	47		ENE	2	b	#	b	#	#	#	—
	Bodö	29.89	56	ENE	4	b	29.93	+ .24	55	48	+ 2	ENE	4	r	1	b	#	57	46	—
	Christiansund ...	29.69	50	SE	1	b	29.62	+ .17	50	45	+ 5	ESE	2	b	2	b	#	55	45	—
	Skudesnaes ...	29.57	47	E	4	o	29.42	— .12	53	45	+ 9	ENE	6	c	1	o	#	53	41	#
	Færder (Christiania Fjord)	29.68	51	E	0	b	29.50	— .12	52	47	+ 3	NE	4	bc	3	b	#	52	46	—
	Skagen (The Scaw)	29.69	51	SE	1	b	29.41	— .28	51	47	+ 3	ESE	4	o	1	b	#	57	46	—
	Fanö														#		#			
	Sumburgh Head	29.46	42	S	2	r	29.47	+ .03	45	44	+ 1	NE	4	r	5	c,r	#	49	40	0.07
	Stornoway ...	29.58	45	NE	5	r	29.50	— .09	44	42	+ 3	NNE	8	o	8	r	3.9	48	39	?0.08
	Wick	29.49	42	SW	1	r	29.42	— .11	45	43	+ 1	NE	3	c	2	r	#	51	39	0.70
	Nairn	29.51	45	NW	1	r	29.35	— .22	45	44	+ 3	WNW	2	c	1	r	#	50	40	0.45
	Aberdeen ...	29.51	43	E	1	bc	29.38	— .17	44	43	— 2	N	3	opq	2	op,bc	5.0	47	40	0.16
British Isles.	Leith	29.49	48	W	1	c	29.40	— .16	51	47	+ 4	W	4	o	#	c	#	53	41	0.22
	Shields	29.49	46	NE	2	c	29.42	— .14	45	43	— 2	WNW	3	cp	2	r,c	#	48	37	0.34
	Spurn Head ...	29.41	46	NNW	5	o	29.43	— .12	47	45	— 4	WNW	5	c	4	opqt	#	53	41	0.03
	York	29.48	45	N	2	op	29.46	— .10	47	43	— 2	NNW	2	c	#	c,op	3.1	54	34	0.09
	Loughborough ...	29.51	46	NW	3	c	29.54	— .08	48	45	— 4	W	4	o	#	op,cpq	#	53	36	0.25
	Ardrossan ...	29.50	49	W	3	bc	29.45	— .12	50	48	+ 5	WNW	4	c	2	bc	#	53	43	—
	Malin Head ...	29.61	48	NNW	7	crq	29.58	— .07	46	45	+ 3	N	8	crq	6	crq	#	49	43	0.12
	Belmullet ...	29.88	49	NNW	6	cp	29.86	+ .03	50	45	+ 3	NNW	6	o	#	cp	#	53	45	0.45
	Donaghadee ...	29.57	46	W	6	c	29.58	— .05	48	46	+ 1	NW	6	cq	4	rsp,c	#	53	42	0.19
	Liverpool (Bidston)	29.54	48	WNW	6	bc	29.63	— .07	47	45	— 2	WNW	7	o	6	rh,bc	#	56	41	0.58
	Holyhead ...	29.62	50	WSW	5	o	29.63	— .01	47	45	— 1	NW	7	cq	5	cp,bcp,o	#	50	44	0.22
	Parsonstown ...	29.78	50	NW	3	pq	29.80	+ .05	49	45	0	WNW	2	pq	#	bc,pq	7.3	54	44	0.03
	Valencia ...	29.95	51	NNW	5	cq	29.95	+ .05	51	46	— 1	NNW	5	cq	4	oq,cq	5.0	54	46	0.05
	Roche's Point ..	29.82	53	NNW	5	bc	29.86	+ .04	51	47	— 2	NNW	5	bc	4	pq,bc	#	59	46	—
	Pembroke (St. Ann's Hd.)	29.72	51	NNW	4	b	29.75	+ .04	50	45	— 2	NNW	6	bc	4	b	5.4	52	46	0.02
	Scilly	29.79	53	NW	6	c	29.85	— .05	52	48	— 3	NW	5	cp	4	orq,c	0.0	56	48	—
	Prawle Point ...	29.70	50	WNW	5	c	29.76	— .06	51	48	— 1	NW	5	bcpq	4	dm,cpq	#	54	43	0.02
	Jersey (St. Aubin's)	29.71	53	WSW	7	opq	29.80	— .06	54	50	— 1	WNW	5	bcp	4	o,gp	#	57	48	0.05
	Hurst Castle ...	29.58	54	WNW	5	c	29.67	— .06	54	50	— 3	WNW	5	cp	3	op,c	#	57	46	0.12
	Dungeness ...	29.43	53	WSW	6	oq	29.59	— .07	49	45	— 6	W	6	c	4	op,oq	#	56	42	0.05
	North Foreland	29.44	49	WNW	5	o	29.56	— .10	47	44	— 7	W	4	op	3	o	#	59	40	0.25
	London (Brixton) ...	29.51	49	NW	3	op	29.60	— .07	50	48	— 6	W	3	bc	#	opht,bc	0.5	62	40	0.48
	Oxford	29.59	46	NW	4	p	29.61	— .04	50	45	— 4	W	3	c	#	o,pq	#	58	41	0.05
	Cambridge ...	29.45	50	WSW	3	o	29.56	— .07	49	46	— 3	WSW	3	o	#	op	1.6	57	38	0.24
	Yarmouth ...	29.39	51	W	4	bc	29.49	— .12	47	44	— 6	W	4	bc	3	cp,bc,r	#	57	37	0.32
Germany & Holland.	Cuxhaven ...	29.50	54	S	4	o	29.28	— .45	47	47	— 1	SW	7	rq	#	o	#	55	46	0.24
	Berlin	29.64	57	SE	2	o	29.54	— .24	54	51	+ 2	SW	3	o	#	o	#	64	50	0.04
	Wiesbaden ...	#	#	#	#	#	29.70	— .12	50	46	+ 3	SW	4	o	#	#	#	57	45	0.63
	Munich	29.82	53	W	3	c	29.81	— .08	56	50	+ 7	W	7	o	#	c	#	57	43	0.08
	The Helder ...	29.33	52	SW	2	o	29.41	— .19	50	45	+ 2	W	5	bc	3	o	#	57	45	0.08
Belgium.	Brussels ...	#	#	#	#	#	29.63	— .09	44	43	— 8	SW	4	r	#	r	#	59	40	0.32
	Cape Gris Nez ...	?	53	W	6	o	?	?	49	44	— 4	NW	5	c	5	o	#	55	36	0.12
	Paris	29.68	55	WSW	3	r	29.78	— .09	50	46	— 5	WSW	3	bc	#	r	#	60	45	0.08
	Brest	29.89	55	NW	3	o	29.89	— .13	51	47	— 3	NNW	3	c	2	o	#	57	48	0.04
	Lorient	29.84	54	W	6	r	29.91	— .08	52	48	— 2	NW	4	bc	4	r	#	68	50	0.08
France &	Rochefort ...	29.95	59	NW	4	bc	?	?	55	53	+ 1	NW	4	o	#	bc	#	64	52	0.12
	Belfort	29.80	52	SW	3	o	29.84	— .06	43	43	— 5	W	4	r	#	o	#	55	42	0.12
	Lyons	29.88	60	ESE	1	o	29.91	— .10	59	52	+ 5	SW	2	bc	#	o	#	64	50	—
	Nice	29.77	63	SW	3	b	29.89	+ .08	59	56	— 4	2	o	c	2	b	#	72	55	—
	Perpignan ...	29.95	66	NW	3	b	29.94	— .10	61	54	0	W	2	o	#	b	#	71	?55	—
	Biarritz ...	30.02	61	WNW	3	bc	30.00	— .08	56	55	— 1	SW	4	o	2	bc	#	61	54	0.04
Peninsula.	Corunna ...														#		#			
	Lisbon	29.98	65	NNW	5	b	29.96	— .07	66	60	0	NNW	4	b	#	b	#	77	61	—
	Azores (P. Delgada)	29.92	64	SSE	4	o	29.88	— .03	63	63	— 1	ESE	3	o	4	o	#	66	61	—

For Explanation of Columns, see bottom of last page.

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

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

Bright Sunshine yesterday Southport 5.6 hrs;

WEATHER CHARTS

FOR Wednesday, 1st June, 1898

BAROMETER, WIND AND SEA.

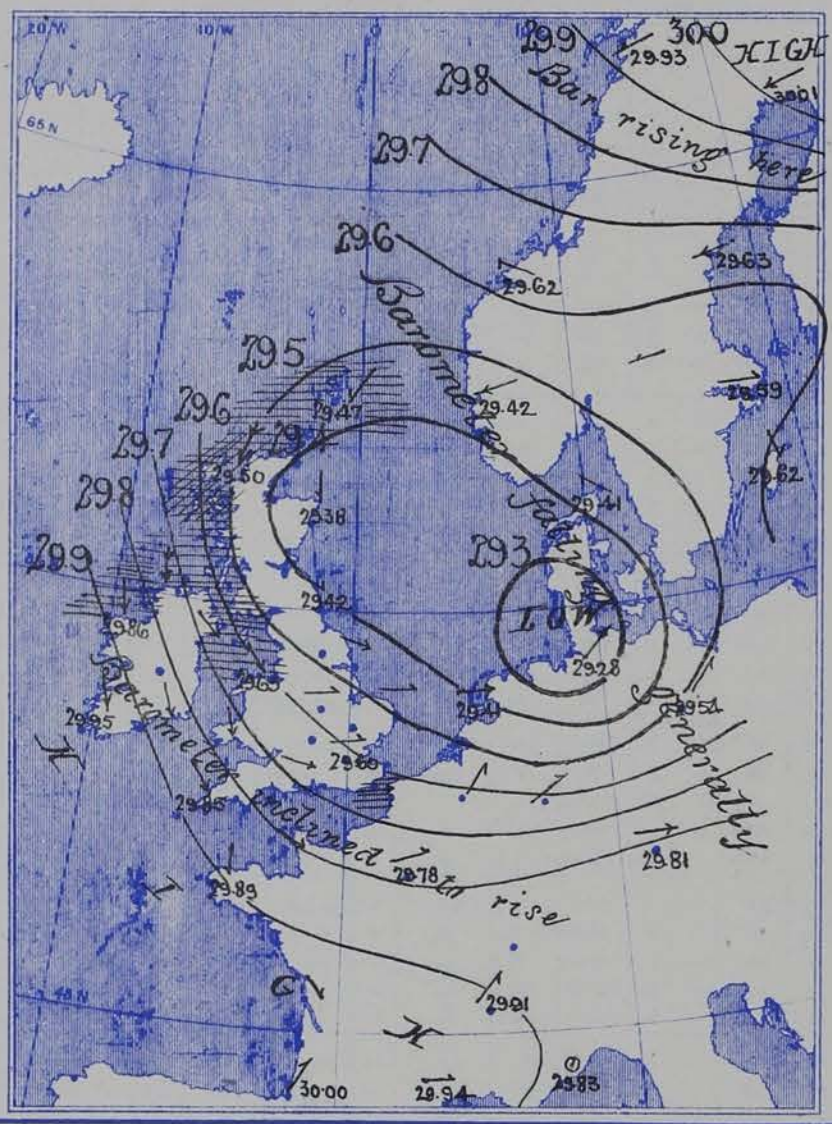
BAROMETER—Isobars are drawn for each tenth of an inch.

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

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

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

SEA—Rough ▤ ; *High* ▩

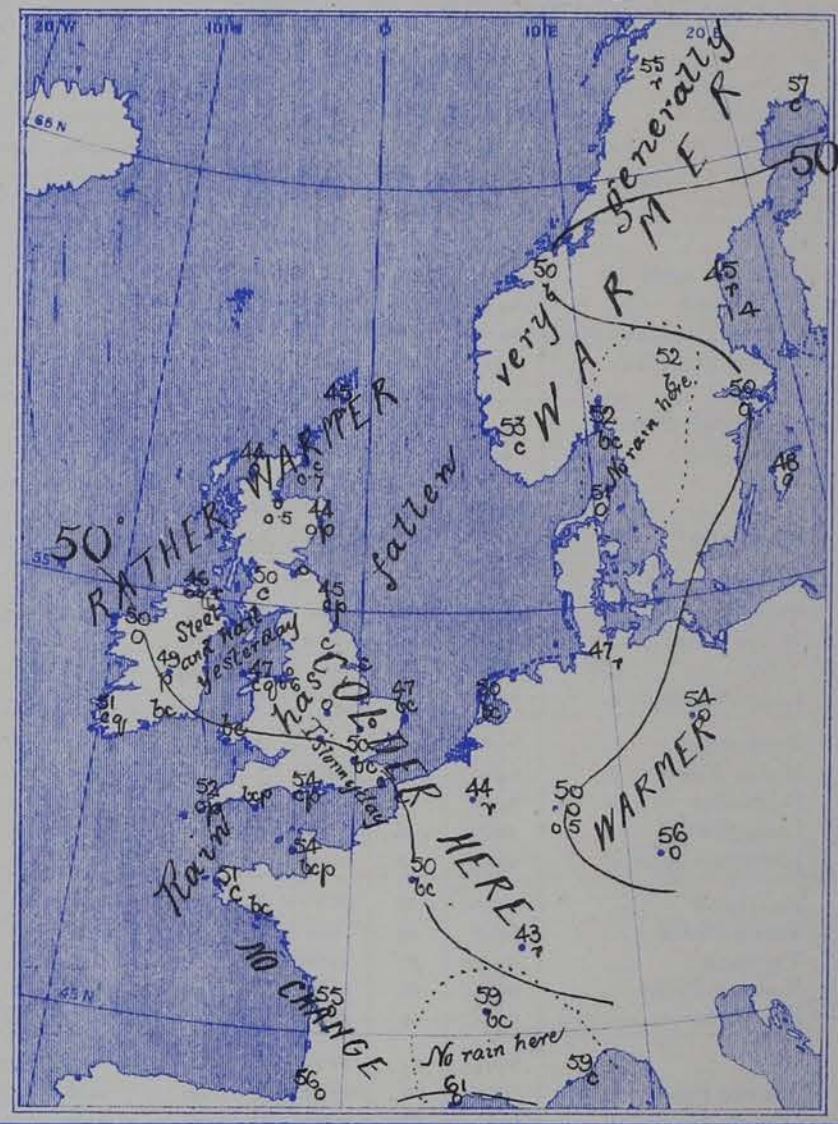


TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

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



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

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of				Absolute Extremes.				RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95.	
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum	Years.	Minimum.	Years		Hours.	Per cent. of possible.
	(*Inches.*)	°	°	°	°	°		°		(*Inches.*)		
Sumburgh Head	29 · 898	50 · 5	48 · 7	54 · 6	45 · 0	70	1891	33	1888	1 · 93	—	—
Stornoway	29 · 894	53 · 4	51 · 4	58 · 2	46 · 0	76	1893	31	1888	2 · 76	185 · 1	35
Wick	29 · 916	53 · 4	50 · 8	58 · 9	45 · 5	79	1878	30	1881	1 · 75	—	—
Nairn	29 · 917	54 · 4	51 · 0	62 · 3	47 · 3	86	1876	30	1888	1 · 73	—	—
Aberdeen	29 · 933	54 · 8	50 · 8	61 · 0	47 · 2	80	1881, 87	30	1888	1 · 80	196 · 5	37
Leith	29 · 943	55 · 9	52 · 3	63 · 9	48 · 0	86	1887	34	1886	1 · 79	—	—
Shields	29 · 959	54 · 9	51 · 8	60 · 6	48 · 5	76	1878, 84	37	1881, 86, 95	1 · 71	—	—
Spurn Head	29 · 971	55 · 3	52 · 8	60 · 3	51 · 1	80*	1885	34*	1881	1 · 64	—	—
York	29 · 979	56 · 1	52 · 7	66 · 2	48 · 4	88	1878	35	1894	2 · 21	173 · 0	34
Loughborough	29 · 991	57 · 7	53 · 8	68 · 6	48 · 8	86*	1893	32*	1895	2 · 20	—	—
Ardrossan	29 · 944	55 · 3	52 · 3	62 · 1	49 · 4	85	1878	36	1890	2 · 32	—	—
Malin Head	29 · 934	53 · 6	51 · 2	59 · 0	50 · 8	—	—	—	—	—	—	—
Belmullet	29 · 953	56 · 2	53 · 2	60 · 8	51 · 4	—	—	—	—	2 · 85	—	—
Donaghadee	29 · 959	55 · 1	53 · 0	61 · 5	49 · 7	77	1887	36	1880	2 · 03	—	—
Holyhead	29 · 976	55 · 9	53 · 4	61 · 7	51 · 3	83	1878	42	1882	1 · 97	—	—
Liverpool	29 · 976	57 · 0	52 · 8	64 · 0	51 · 1	85	1878, 93	38	1872	1 · 99	—	—
Parsonstown	29 · 981	56 · 2	52 · 9	64 · 9	48 · 5	85	1887	32	1881	2 · 34	173 · 7	35
Valencia	29 · 984	57 · 4	54 · 5	62 · 5	51 · 2	81	1887	40	1875, 80, 82	3 · 34	203 · 4	41
Roche's Point	29 · 983	57 · 0	53 · 8	64 · 3	51 · 3	80	1876, 87	41	1881	3 · 07	—	—
Pembroke	29 · 983	55 · 4	53 · 4	60 · 5	51 · 6	79	1893	38	1888	1 · 88	234 · 7	48
Scilly	30 · 002	57 · 5	55 · 3	61 · 5	53 · 2	75	1893	41	1888	1 · 76	—	—
Prawle Point	30 · 010	57 · 1	54 · 7	61 · 7	50 · 7	79*	1887	39*	1881	1 · 59	—	—
Jersey	30 · 019	59 · 0	55 · 9	64 · 9	52 · 8	87	1872	39	1890	1 · 86	243 · 1	51
Hurst Castle	30 · 007	57 · 9	55 · 7	64 · 6	52 · 0	84	1893	38	1881	1 · 83	—	—
Dover	29 · 989	58 · 2	55 · 0	63 · 0	52 · 3	77	1878	37	1890, 91, 92, 93	1 · 52	—	—
LONDON	30 · 001	58 · 9	54 · 6	69 · 2	50 · 6	91	1878	35	1880	1 · 99	167 · 4†	34†
Oxford	29 · 996	56 · 8	53 · 3	67 · 1	49 · 9	86	1876, 93	35	1892, 93	2 · 11	192 · 1	39
Cambridge	29 · 994	58 · 1	54 · 7	68 · 8	48 · 4	88	1888, 93	33	1892	2 · 14	195 · 3	40
Yarmouth	29 · 983	56 · 8	54 · 0	61 · 9	51 0	81	1877, 88	40	1892	1 · 86	—	—

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

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.0 ins. and upwards over Lapland, 29.9 ins. and upwards in an area extending from the Atlantic over the S.W. of Ireland, the Bay of Biscay, the Spanish peninsula & the W. and S. of France.
Lowest 29.3 ins. and less in a depression lying over Denmark and the S^m. parts of the North Sea.
Gradients rather steep over the NW. of our Islands, but moderate or slight elsewhere.
Barometer inclined to rise on our W^rn. and S^rn. coasts and in adjacent parts of the Continent; falling in most other regions, but rising in the N. of Scandinavia.

TEMPERATURE

Highest (1) 66° at Lisbon, 61° at Perpignan, and 59° at Nice and Lyons; (2) 57° at Haparanda, & 55° at Bodo.
Lowest (1) 43° at Belfort, and 44° at Brussels; (2) 44° at Stornoway and Aberdeen; (3) 45° at Hernösand.
The maxima registered yesterday were below 50° at several of our northern stations, and below 60° at all stations excepting London, where the thermometer reached 62°.

WIND

Strong from the NW^wd. on our west and southwest coasts, and moderate from the same quarter in the west of France.
Moderate to fresh from the W^wd. in the east and southeast of England, and from the SW^wd. over the Netherlands, Germany and central France.
E^ly. or NE^ly. over the greater part of Scandinavia; N^ly. or NE^ly. in the north of Scotland, with a gale at Stornoway.

WEATHER

Changeable and showery over W^rn. Europe generally, but fine over the S^rn. parts of Norway.
Rain fell yesterday in most parts of our area, the largest amounts being 0.7 in. at Wick, 0.6 in. at Liverpool, and 0.5 in. at Nairn and Wiesbaden. Thunder and Lightning occurred in London, and thunder only at Spurn Hd. (The Newspapers report the occurrence of Snow showers yesterday in some parts of Scotland and the N. of England)

SEA

High at Stornoway, rough on our extreme north and northwest coasts generally, and rather rough at Cape Gris Nez, but moderate or slight elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression over the North Sea appears to be almost stationary and is likely to disperse gradually. Small secondary systems will probably move SE^wd. across our Islands, and showery weather is therefore likely to continue for a time in most districts.

FORECASTS

For the 24 hours ending at NOON on 2^ND. JUNE. 1898

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	N^ly. winds increasing in force, squally, some cold showers.
1	SCOTLAND EAST	
2	ENGLAND N.E.	
3	ENGLAND EAST	Same as No. 5.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	W^ly. and NW^ly. winds fresh, some showers with bright intervals, thunder locally.
6	SCOTLAND WEST	NW^ly. gales and strong winds, squally, showery.
7	ENGLAND N.W.	
8	ENGLAND S.W.	NW^ly. winds strong in places, squally, showery.
9	IRELAND NORTH	Same as Nos. 6 and 7.
10	IRELAND SOUTH	Same as No. 8.
	WARNINGS	At 10.10 am today to districts 6, 7 and 9. Hoist North Cone.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29.60	48	46	S	4	o	3
Sumburgh Head	29.46	48	44	W	2	c	3
Stornoway	29.54	47	44	NNE	5	r	5
Aberdeen	29.52	46	43	E	2	bc	2
Shields	29.51	40	40	N	3	r	3
Ardrossan	29.54	52	50	W	5	bc	2
Malin Head ...	29.65	47	44	NNW	6	c	5
Belmullet	29.88	51	46	NNW	7	c	*
Holyhead	29.62	49	45	NW	6	bcp	4

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	29.92	53	46	NNW	7	cq	6
Scilly	29.78	56	54	WNW	7	org	4
Jersey	29.77	57	55	WSW	6	o	5
Hurst Castle ...	29.59	55	54	WSW	5	op	3
Dungeness ...	29.51	54	53	WSW	5	op	4
North Foreland	29.51	57	54	WSW	3	o	2
London (Westminster)	29.51	58	54	WSW	4	op	*
Yarmouth ...	29.43	56	52	WSW	3	c	3
Rochefort ...	30.00	61	59	NNW	4	o	*

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

Weather in morning changeable and showery over the whole of the United Kingdom. Fine over Denmark, Norway and the Nrn. parts of Sweden and Russia, as well as in the Spanish peninsula and the extreme S. of France; cloudy or dull in other parts of the Continent, with rain over the Netherlands, the Baltic provinces and the S. of Sweden, as well as at Cracow. Rain falling later over Wrn. Europe generally, and sleet or snow in the Nrn. parts of the United Kingdom. Thunderstorm occurring in London, and thunder only at Spurn Head.

Temperature fallen in the W. and N. of our Islands, and also in Germany; changed rather irregularly elsewhere. Morning readings highest 74° at Constantinople, 71° at Patras, and 69° at Athens and Brindisi; above 60° over Srn. and SErn. Europe generally. Lowest 41° at Stornoway, 42° at Nairn, and 43° at Malin Hd.; below 50° over the Nrn. parts of our Island generally. Remaining below 50° all day at some of our own Nrn. stations, and below 60° in nearly all other parts of the Kingdom. Exceeding 70° in the extreme S. of France and reaching 77° at Lisbon.

Wind moderate to fresh from the NWwd. in the west and north of our Islands and also in the west of France; light from the Wwd. or SWwd. over the east and southeast of England and the adjacent parts of the Continent; Sly. in Denmark; SEly. in the west of Norway. Light from the Ewd. or SEwd. over Russia, but NWly. over eastern Germany and Wly. in Austria. Sly. or SWly. in Italy, variable over the Spanish peninsula. Subsequently blowing hard from the NWwd. on our western coasts, and from the Wwd. in the English Channel.

Barometer highest 30.0 ins. and upwards over Morocco, the Spanish peninsula, the Bay of Biscay and the W. of France; 29.9 ins. and upwards over Nrn. Russia. Lowest 29.5 ins. and less in two depressions,—one lying off the W. of Norway and the other over Ern. Austria; 29.8 ins. and less in another disturbance over the Gulf of Genoa. Well marked secondary system forming later over the Srn. part of the North Sea.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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DAILY WEATHER REPORT

for 8 a.m. on Thursday 2nd June, 1898.

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

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)								PAST 24 HOURS.				
		Barom.	Temp.	Wind.		Weather	Barometer.		Temperature.			Wind.		Weather.	Sea (0 to 9.)	Weather.	Hours of Bright Sunshine.	Temp.		Rainfall.
		At 32° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)		At 32° Fahr. and M. S. L.	Change since Yesterday.	Dry Bulb.	Wet Bulb.	Change since Yesterday.	Direc.	Force (0 to 12.)					Max.	Min.	
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
Scandinavia	Haparanda ...	30·07	55	E	4	bc	30·09	+ ·08	51	42	− 6	E	6	c	*	bc	*	64	45	—
	Hernösand ...	29·79	44	2	0	f	29·89	+ ·26	43	43	− 2	SE	2	f	*	f	*	48	?	0·95
	Stockholm ...	29·79	49	SE	4	0	29·94	+ ·35	59	51	+ 9	S	2	b	*	0	*	61	36	—
	Wisby	29·82	50	S	4	c	29·96	+ ·34	56	50	+ 8	SSW	6	b	*	c	*	59	41	—
	Karlstad ...	29·67	49	S	2	b	29·82	+ ·26	51	46	− 1	S	4	0	*	r.b	*	*	*	0·08
	Bodö	29·80	57	ENE	6	c	29·87	− ·06	55	49	0	E	6	0	1	c	*	59	48	—
	Christiansund ...	29·49	58	SE	2	c	29·54	− ·08	55	46	+ 5	ESE	5	b	3	c	*	55	43	—
	Skudesnaes ...	29·30	51	ENE	6	c	29·37	− ·05	47	45	− 6	SSW	7	0	4	0.c	*	54	45	*
	Færder (Christiania Fjord)	29·52	50	SSE	6	b	29·65	+ ·15	50	46	− 2	SSE	6	c	4	b	*	52	46	0·51
	Skagen (The Scaw)	29·49	48	S	8	0	29·69	+ ·28	49	47	− 2	S	6	b	2	0.r	*	57	45	1·18
	Fanö	29·42	49	SW	9	0	29·67	+ ·55	51	49	+ 3	SW	4	c	*	0	*	52	46	0·08
	Sumburgh Head	29·45	49	NE	4	c	29·42	− ·05	46	46	+ 1	N	4	r	5	bc.c	*	54	44	0·10
	Stornoway ...	29·59	47	NE	6	r	29·71	+ ·21	47	46	+ 3	NNW	5	c	5	c,r	28	48	41	0·03
	Wick	29·49	47	NE	3	0	29·55	+ ·13	47	45	+ 2	N	4	0	4	0	*	51	44	0·19
	Nairn	29·50	49	NNE	3	0	29·62	+ ·27	48	47	+ 3	NW	3	0	3	0	*	51	42	0·15
	Aberdeen ...	29·45	50	N	3	c	29·56	+ ·18	48	46	+ 4	NW	5	cpq	4	bc.p.c	1·2	51	44	0·07
British Islands.	Leith	29·44	50	E	1	bc	29·62	+ ·22	51	46	0	WNW	3	0	*	bc	*	56	42	0·24
	Shields	29·44	45	NW	1	0	29·58	+ ·16	46	44	+ 1	WNW	3	c	2	cp.0	*	51	41	0·23
	Spurn Head ...	29·46	51	WNW	4	c	29·62	+ ·19	49	46	+ 2	WNW	4	c	4	pqt,c	*	55	43	0·02
	York	29·46	53	WNW	3	bc	29·64	+ ·18	46	44	− 1	WNW	1	0	*	p.bc	7·0	57	40	0·24
	Loughborough ...	29·57	49	W	4	c	29·66	+ ·12	49	45	+ 1	W	2	cmw	*	pqh.bc	*	55	41	0·09
	Ardrossan ...	29·46	52	WNW	4	•	29·66	+ ·21	54	51	+ 4	NW	4	b	2	bc.c	*	54	45	0·02
	Malin Head ...	29·60	48	NNW	6	bcpq	29·74	+ ·16	49	47	+ 3	NNW	6	bcq	5	bcpq	*	49	44	0·06
	Belmullet ...	29·79	49	NNW	5	cp	29·93	+ ·07	51	47	+ 1	WNW	5	c	*	0,cp	*	53	44	0·04
	Donaghadee ...	29·58	52	NW	6	bcpq	29·72	+ ·14	52	49	+ 4	NW	6	bc	4	bcpq	*	55	43	0·11
	Liverpool (Bidston)	29·55	49	W	6	c	29·66	+ ·13	46	44	− 1	N	1	0	2	hrp,c	*	52	43	0·33
	Holyhead ...	29·62	49	WNW	6	cp	29·70	+ ·07	49	47	+ 2	N	4	c	3	opq.cp	*	54	43	0·09
	Parsonstown ...	29·73	49	NW	2	r	29·86	+ ·06	53	48	+ 4	NW	3	bcq	*	bc,rhp	4·5	54	41	0·18
	Valencia ...	29·87	51	WNW	5	oq	29·96	+ ·01	51	47	0	N	5	op	4	cq,oq	6·0	54	45	0·06
	Roche's Point ..	29·80	53	NNW	5	c	29·86	·00	52	48	+ 1	NNW	5	bc	3	pq,c	*	55	45	—
	Pembroke (St. Ann's Hd.)	29·75	50	NW	5	r	29·75	·00	47	45	− 3	NNW	5	opq	4	c,r	6·3	52	43	0·12
	Scilly	29·87	54	WNW	6	c	29·84	− ·01	51	46	− 1	NW	6	c	4	c	9·7	57	46	0·16
	Prawle Point ...	29·80	52	WNW	5	bcpq	29·76	·00	48	46	− 3	NNW	5	bcpq	4	bcpq	*	56	44	0·10
	Jersey (St. Aubin's)	29·87	54	WNW	5	b	29·80	·00	50	48	− 4	WSW	4	opq	4	bc,b,rhp	*	57	47	0·09
	Hurst Castle ...	29·73	55	W	3	c	29·72	+ ·05	52	49	− 2	WSW	2	cp	2	cp	*	60	47	0·03
	Dungeness ...	29·66	49	W	6	rq	29·73	+ ·14	49	47	0	SW	5	cq	5	cq	*	59	46	0·14
	North Foreland	29·65	52	WSW	3	c	29·72	+ ·16	48	46	+ 1	SW	3	0	2	r,c,bp	*	57	44	0·10
	London (Brixton) ...	29·65	51	WNW	3	cp	29·70	+ ·11	49	46	− 1	W	2	op	*	qphr,bv	5·9	57	45	0·13
	Oxford	29·67	48	WSW	3	c	29·71	+ ·10	46	45	− 4	WNW	1	p	*	rshp,c	*	57	44	0·29
	Cambridge ...	29·61	49	W	3	p	29·69	+ ·13	49	46	0	SW	3	0	*	c,p	9·2	55	43	0·14
	Yarmouth ...	29·53	53	W	5	cq	29·66	+ ·17	50	47	+ 3	WSW	2	bc	3	bc,cq	*	56	43	0·06
Germany & Holland.	Cuxhaven ...	29·53	50	SW	6	0	29·75	+ ·47	50	49	+ 3	SSW	6	oq	*	oq	*	54	45	0·16
	Berlin	29·78	58	W	2	b	29·95	+ ·41	59	51	+ 5	SW	4	0	*	b	*	64	46	—
	Wiesbaden ...	*	*	*	*	*	29·95	+ ·25	50	49	0	SW	2	c	*	*	*	57	48	0·08
	Munich... ..	30·01	48	SSE	2	r	30·10	+ ·29	46	46	− 10	W	4	r	*	r	*	57	43	0·16
	The Helder ...	29·53	51	SW	6	c	29·68	+ ·27	53	48	+ 3	WSW	3	bc	2	c	*	54	46	0·08
Belgium.	Brussels ...	*	*	*	*	*	29·84	+ ·21	51	47	+ 7	SW	3	0	*	bc	*	58	44	—
	Cape Gris Nez...	?	53	WNW	6	0	?	?	50	47	+ 1	W	4	r	5	a	*	55	41	0·08
	Paris	29·85	52	WSW	3	r	29·93	+ ·15	52	48	+ 2	SW	2	bc	*	r	*	60	43	0·24
	Brest	29·95	54	NW	2	bc	29·88	− ·01	52	48	+ 1	W	4	r	4	bc	*	57	46	—
	Lorient... ...	29·95	55	WNW	5	bc	29·92	+ ·01	50	48	− 2	W	5	r	5	bc	*	59	48	—
France &	Rochefort ...	29·98	57	NW	4	c	30·00	+ ·05	55	54	0	NW	4	c	*	c	*	63	50	—
	Belfort	29·91	53	WSW	4	c	29·99	+ ·15	51	47	+ 8	SW	3	bc	*	c	*	54	43	0·16
	Lyons	29·96	58	E	1	r	30·01	+ ·10	52	50	− 7	N	1	c	*	r	*	63	49	0·04
	Nice	29·84	64	WSW	6	bc	29·99	+ ·16	59	54	0	ENE	2	bc	1	bc	*	72	52	—
	Perpignan ...	29·98	62	SSW	1	r	30·02	+ ·08	61	59	0	2	0	c	*	r	*	70	55	0·04
	Biarritz ...	30·00	61	NW	3	c	30·03	+ ·03	58	55	+ 2	SSW	2	c	2	c	*	66	54	0·08
Peninsula.	Corunna ...																*			
	Lisbon	30·01	60	N	3	b	30·09	+ ·13	62	56	− 4	NNW	4	b	*	b	*	77	55	—
	Azores (P. Delgada)	29·89	65	SE	4	r	29·83	− ·05	65	65	+ 2	S	4	m	3	r	*	66	63	0·75

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

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

Bright Sunshine yesterday Southport 7·2 hrs;

WEATHER CHARTS

FOR Thursday, 2nd June, 1898

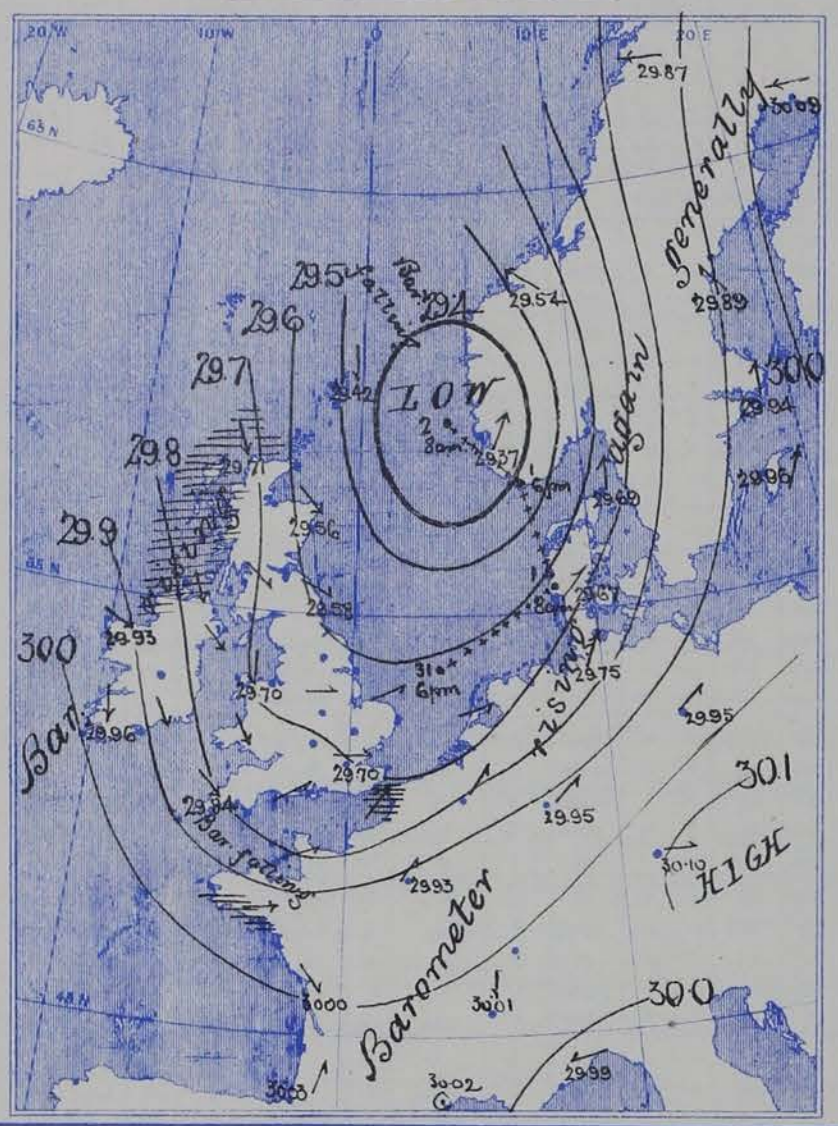
BAROMETER, WIND AND SEA.

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

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

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

SEA—Rough ; High

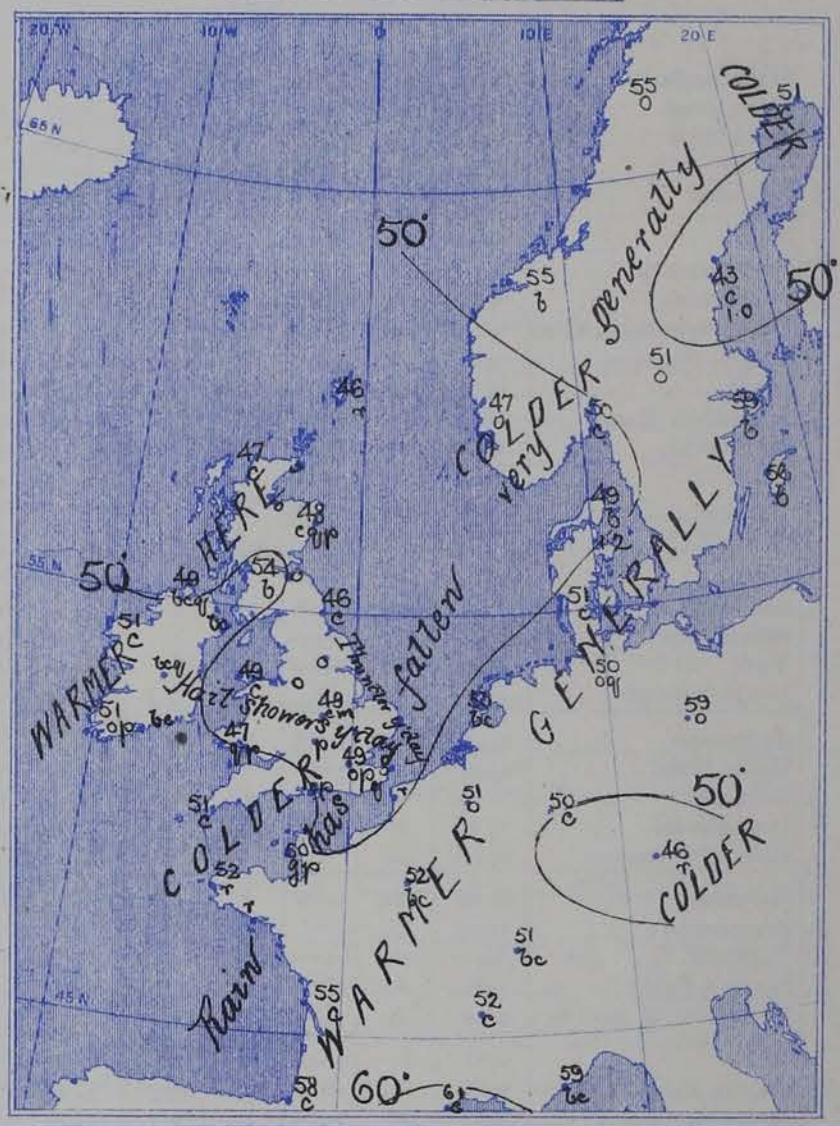


TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

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



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

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of				Absolute Extremes.				RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95.	
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum	Years.	Minimum.	Years.		Hours.	Per cent. of possible.
	(*Inches.*)	°	°	°	°	°		°		(*Inches.*)		
Sumburgh Head	29·898	50·5	48·7	54·6	45·0	70	1891	33	1888	1·93	—	—
Stornoway	29·894	53·4	51·4	58·2	46·0	76	1893	31	1888	2·76	185·1	35
Wick	29·916	53·4	50·8	58·9	45·5	79	1878	30	1881	1·75	—	—
Nairn	29·917	54·4	51·0	62·3	47·3	86	1876	30	1888	1·73	—	—
Aberdeen	29·933	54·8	50·8	61·0	47·2	80	1881, 87	30	1888	1·80	196·5	37
Leith	29·943	55·9	52·3	63·9	48·0	86	1887	34	1886	1·79	—	—
Shields	29·959	54·9	51·8	60·6	48·5	76	1878, 84	37	1881, 86, 95	1·71	—	—
Spurn Head	29·971	55·3	52·8	60·3	51·1	80*	1885	34*	1881	1·64	—	—
York	29·979	56·1	52·7	66·2	48·4	88	1878	35	1894	2·21	173·0	34
Loughborough	29·991	57·7	53·8	68·6	48·8	86*	1893	32*	1895	2·20	—	—
Ardrossan	29·944	55·3	52·3	62·1	49·4	85	1878	36	1890	2·32	—	—
Malin Head	29·934	53·6	51·2	59·0	50·8	—	—	—	—	—	—	—
Belmullet	29·953	53·2	53·2	60·8	51·4	—	—	—	—	2·85	—	—
Donaghadee	29·959	55·1	53·0	61·5	49·7	77	1887	36	1880	2·03	—	—
Holyhead	29·976	55·9	53·4	61·7	51·3	83	1878	42	1882	1·97	—	—
Liverpool	29·976	57·0	52·8	64·0	51·1	85	1878, 93	38	1872	1·99	—	—
Parsonstown	29·981	56·2	52·9	64·9	48·5	85	1887	32	1881	2·34	173·7	35
Valencia	29·984	57·4	54·5	62·5	51·2	81	1887	40	1875, 80, 82	3·34	203·4	41
Roche's Point	29·983	57·0	53·8	64·3	51·3	80	1876, 87	41	1881	3·07	—	—
Pembroke	29·983	55·4	53·4	60·5	51·6	79	1893	38	1888	1·88	234·7	48
Scilly	30·002	57·5	55·3	61·5	53·2	75	1893	41	1888	1·76	—	—
Prawle Point	30·010	57·1	54·7	61·7	50·7	79*	1887	39*	1881	1·59	—	—
Jersey	30·019	59·0	55·9	64·9	52·8	87	1872	39	1890	1·86	243·1	51
Hurst Castle	30·007	57·9	55·7	64·6	52·0	84	1893	38	1881	1·83	—	—
Dover	29·989	58·2	55·0	63·0	52·3	77	1878	37	1890, 91, 92, 93	1·52	—	—
LONDON	30·001	58·9	54·6	69·2	50·6	91	1878	35	1880	1·99	167·4†	34†
Oxford	29·996	56·8	53·3	67·1	49·9	86	1876, 93	35	1892, 93	2·11	192·1	39
Cambridge	29·994	58·1	54·7	68·8	48·4	88	1888, 93	33	1892	2·14	195·3	40
Yarmouth	29·983	56·8	54·0	61·9	51·0	81	1877, 88	40	1892	1·86	—	—

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

† The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.10 ins. at Munich; 30.0 ins. and upwards over the Spanish peninsula and the southern parts of France and Germany, as well as in Lapland.
Lowest 29.4 ins. and less in a well marked depression with its centre midway between the Shetland and Norwegian coasts.
Gradients moderate or slight generally. Barometer rising in most places, but falling a little in the Shetlands.

TEMPERATURE

Highest (1) 62° at Lisbon, 61° at Perpignan, 59° at Berlin and Nice & 58° at Biarritz; (2) 59° at Stockholm.
Lowest (1) 43° at Hernösand; (2) 46° at Dunbargh Hd., Shields, York, Liverpool and Oxford, and 47° at Wick and Pembroke.
The maxima registered yesterday were below 55° in many parts of our W^m. and N^m. districts, and below 60° at all stations excepting Hurst Castle.

WIND

Fresh to strong from the N^wd. or NW^wd. on our western and northern coasts.
Moderate from the W^wd. or SW^wd. over the eastern parts of England, the Netherlands, Germany and the north of France.
Strong from the S^wd. over Denmark, N. Germany and the S. of Scandinavia; E^ly over the northern parts of Scandinavia.

WEATHER

Still changeable and showery over the United Kingdom generally.
Fine over the central and southern parts of France, and also in Sweden and Denmark; cloudy in other parts of the Continent, with rain in the NW. of France as well as at Munich.
Showers of rain or hail fell yesterday over the whole of our islands, and slight snow at Oxford. (The Newspapers report the occurrence of snow or sleet in many parts of Gt. Britain). Thunder was heard at Spurn Hd. and the North Foreland. Lunar halos seen at Oxford and Jersey.

SEA

Rather rough on our extreme N. and NW. coasts, and also in the Straits of Dover, but moderate or slight elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression over the North Sea is apparently moving away to the N^wd. of our Islands. Small secondary systems are, however, still advancing over us from the NW^wd., so that a continuance of cool showery weather is probable in most districts.

FORECASTS

For the 24 hours ending at NOON on 3^RD JUNE 1898

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	NW^ly winds, strong; squally, showery.
1	SCOTLAND EAST	
2	ENGLAND N.E.	Same as No. 5.
3	ENGLAND EAST	
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	W^ly and SW^ly winds, moderate, cool, changeable, some showers.
6	SCOTLAND WEST	Same as Nos. 0 and 1.
7	ENGLAND N.W.	
8	ENGLAND S.W.	NW^ly winds, moderating gradually, changeable, some showers.
9	IRELAND NORTH	Same as Nos. 0 and 1.
10	IRELAND SOUTH	Same as No. 9.
	WARNINGS	The North Cone is still flying in districts 6, 7 and 9.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29.34	54	46	NE	4	o	2
Sumburgh Head	29.47	53	47	NE	4	bc	5
Stornoway	29.54	48	45	NNE	7	r	7
Aberdeen		No observations taken					
Shields	29.41	49	46	NE	3	cp	2
Ardrossan	29.41	52	49	WNW	6	bc	3
Malin Head ...	29.58	49	46	N	7	bcpq	6
Belmullet	29.82	51	46	NNW	5	o	*
Holyhead	29.62	51	48	WNW	7	opq	6

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	29.92	53	48	W	5	cq	5
Scilly	29.90	54	48	WNW	5	c	4
Jersey	29.86	56	49	WNW	5	bc	4
Hurst Castle ...	29.71	59	52	W	4	cp	3
Dungeness ...	29.65	54	52	WSW	6	cq	5
North Foreland	29.63	57	56	WSW	4	r	2
London (Westminster)	29.61	55	49	WNW	3	op	*
Yarmouth ...	29.49	56	49	W	5	bc	3
Rochefort ...	29.98	63	59	NNW	4	c	*

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

Weather in morning changeable and showery over our Islands and a considerable portion of the Continent. Fine over the Spanish peninsula and S^rn. Italy, as well as in the Gulf of Finland and the southern parts of Norway. Showers of hail, sleet or cold rain falling during day over the whole of the United Kingdom, and slight snow even as far south as Oxford and Dunstable; thunder heard at Spurn Head and the North Foreland. Heavy rain falling at some of the Danish and Swedish stations.

Temperature fallen in England and France, changed irregularly elsewhere. Morning readings, highest 73° at Brindisi, 70° at Athens, and 69° at Trieste, above 60° in most parts of S^rn. and E^rn. Europe, and above 55° in Finland and Lapland. Lowest (1) 43° at Belfort, and 44° at Brussels; (2) 44° at Stornoway and Aberdeen; (3) 45° at Archangel and Hernösand. Remaining below 55° all day at most of our own W^rn. and N^rn. stations, and touching 60° at Hurst Castle only. Exceeding 60° at some of the Swedish and German stations, exceeding 70° in the extreme S. of France, and reaching 77° at Lisbon.

Wind strong to a gale from the N^rd. on our extreme northwest coasts; strong from the NW^rd. in the west and southwest of our Islands, and moderate from the same quarter in the west and south of France. Moderate from the W^rd. over the eastern and central parts of England, SW^ly. over central France, the Netherlands and Germany; SE^ly. in Finland; E^ly. or NE^ly. over Scandinavia and the northeast of Scotland. Variable in Austria, the South of Russia; light from the S^rd. or SW^ly. in Italy. Subsiding later on our northwest coasts, but strong S^ly. gales springing up in Denmark.

Barometer highest 30.1 ins. and upwards in the extreme N. of Russia; 30.0 ins. and upwards over S^rn. Italy and the neighbouring parts of the Mediterranean. Lowest 29.2 ins. and less in a well marked depression with its centre a little to the W^rd. of Faröe. Depression subsequently moving N^rds. to the S. of Norway; several small secondary disturbances moving S^rd. and SE^rd. across the United Kingdom and the North Sea.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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„ Weekly „ „ „ £1 10 0 „

DAILY WEATHER REPORT

for 8 a.m. on Friday, 3rd June, 1898.

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

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)									PAST 24 HOURS.				
		Barom.	Temp.	Wind.			Barometer.		Temperature.			Wind.						Temp.		
		At 32° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12)	Weather	At 32° Fahr. and M. S. L.	Change since Yesterday.	Dry Bulb.	Wet Bulb.	Change since Yesterday.	Direc.	Force (0 to 12.)	Weather.	Sea (0 to 9.)	Weather.	Hours of Bright Sunshine.	Max.	Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
Scandinavia	Haparanda ...	30·17	52	SE	2	b	30·20	+ ·11	50	40	− 1	E	2	bc	#	b	#	63	45	—
	Hernösand ...	30·03	45	Z	0	b	30·11	+ ·22	43	42	0	E	2	f	#	b	#	59	39	—
	Stockholm ...	30·02	50	SSE	2	b	30·06	+ ·12	60	52	+ 1	ESE	4	c	#	b	#	63	45	—
	Wisby	30·02	51	S	4	b	30·04	+ ·08	59	52	+ 3	SE	4	o	#	b	#	59	41	—
	Karlstad ...	29·91	51	SE	2	c	29·97	+ ·15	51	49	0	S	2	o	#	c	#	#	#	—
	Bodö	30·00	53	ESE	6	o	30·05	+ ·18	52	45	− 3	E	6	c	2	o	#	55	48	—
	Christiansund ...	29·68	58	ESE	6	b	29·84	+ ·30	54	48	− 1	ESE	1	o	2	b	#	59	50	—
	Skudesnaes ...	29·72	48	SSE	6	o	29·85	+ ·48	49	46	+ 2	SSE	6	o	4	r, o	#	49	45	#
	Færder (Christiania Fjord)	29·84	51	S	2	o	29·91	+ ·26	50	49	0	SSE	2	o	2	o	#	52	48	0·04
	Skagen (The Scaw)	29·85	49	S	2	c	29·93	+ ·24	51	50	+ 2	S	1	b	0	c	#	54	48	0·04
	Fanö	29·84	50	SSW	3	bc	29·88	+ ·21	51	49	0	Z	0	r	#	bc	#	59	48	—
	Sumburgh Head	29·85	43	WNW	3	r	29·86	+ ·24	45	44	− 1	SW	2	c	4	r	#	47	41	0·12
	Stornoway ...	29·75	50	N	5	bc	29·80	− ·11	46	45	− 1	SSW	3	r	3	bc, b	10·9	54	41	0·04
	Wick	29·69	49	N	3	c	29·67	+ ·12	48	46	+ 1	S	3	o	2	c	#	52	39	0·05
	Nairn	29·72	55	NW	2	c	29·67	+ ·05	49	46	+ 1	Z	0	c	0	c	#	59	39	—
	Aberdeen ...	29·71	53	NW	3	b	29·72	+ ·16	51	45	+ 3	SW	2	bc	1	agpq, b	6·2	54	42	0·03
	Leith	29·73	57	N	1	b	29·76	+ ·14	49	45	− 2	WSW	2	o	#	b	#	64	42	0·02
	Shields	29·78	49	NE	2	c	29·85	+ ·27	49	46	+ 3	SW	3	o	2	tr, c	#	53	42	0·28
	Spurn Head ...	29·78	50	WNW	2	c	29·91	+ ·29	54	51	+ 5	WSW	4	c	3	c, r, c	#	56	45	0·03
	York	29·78	50	N	1	cp	29·91	+ ·27	51	47	+ 5	SW	2	c	#	c, op	1·4	54	42	0·05
	Loughborough ...	29·82	50	WNW	2	p	29·96	+ ·30	53	49	+ 4	SW	2	bc	#	cp, bc	#	56	42	0·08
British Islands.	Ardrossan ...	29·80	54	W	5	b	29·74	+ ·08	48	48	− 6	SSW	4	rm	4	b	#	58	46	0·04
	Malin Head ...	29·97	50	NNW	4	c	29·70	− ·04	49	48	0	WSW	4	cp	2	c	#	52	47	0·05
	Belmullet ...	30·00	53	WNW	3	bc	29·81	− ·12	53	51	+ 2	W	5	om	#	bc	#	54	47	0·03
	Donaghadee ...	29·88	54	NW	5	b	29·81	+ ·09	50	48	− 2	WSW	4	c	2	b	#	59	44	0·01
	Liverpool (Bidston)	29·84	53	WNW	4	c	29·92	+ ·26	53	47	+ 7	SW	2	bc	2	cm	#	55	44	—
	Holyhead ...	29·88	53	NW	2	bm	29·92	+ ·22	52	49	+ 3	SW	3	c	2	cp, bm	#	54	44	—
	Parsonstown ...	29·95	59	NW	1	b	29·89	+ ·03	52	49	− 1	SW	1	o	#	b	12·1	60	43	—
	Valencia ...	30·06	53	NW	2	bc	29·97	+ ·01	54	52	+ 3	WSW	4	o	4	c, bc	5·1	55	47	—
	Roche's Point ..	29·99	58	NNW	3	bc	29·98	+ ·12	53	51	+ 1	W	3	c	3	bc	#	59	45	—
	Pembroke (St. Ann's Hd.)	29·94	54	NW	4	b	30·00	+ ·25	52	47	+ 5	WNW	4	bc	4	b		55	42	—
	Scilly	30·01	55	WNW	5	c	30·06	+ ·22	55	50	+ 4	W	3	c	2	bc, c	13·5	56	49	—
	Prawle Point ...	29·94	53	NW	4	bc	30·07	+ ·31	53	52	+ 5	WSW	5	bc	4	p, bc	#	56	46	0·03
	Jersey (St. Aubin's)	29·93	55	WNW	3	bc	30·12	+ ·32	55	52	+ 3	W	5	c	4	bcp, b	#	56	47	0·07
	Hurst Castle ...	29·86	55	NW	3	cp	30·05	+ ·33	56	52	+ 4	SW	3	bc	2	c, cp	#	60	45	0·09
	Dungeness ...	29·80	51	SW	2	cp	30·02	+ ·29	55	51	+ 6	W	1	b	1	c	#	56	41	0·05
	North Foreland	29·80	53	W	3	c	30·02	+ ·30	52	49	+ 4	W	3	bc	2	o, c	#	55	43	0·04
	London (Brixton) ...	29·82	52	W	2	cp	30·03	+ ·33	55	49	+ 6	WNW	1	b	#	pt, c, b	3·5	59	42	0·02
	Oxford	29·89	50	NNW	1	bc	30·01	+ ·30	55	51	+ 9	SSW	2	b	#	tl, bc	#	59	40	—
	Cambridge ...	29·81	54	N	3	c	30·01	+ ·32	54	50	+ 5	SW	2	o	#	t, c	6·7	58	40	—
	Yarmouth ...	29·76	52	W	2	bc	29·97	+ ·31	53	50	+ 3	W	2	b	2	ctq, bcv	#	53	41	0·06
Germany & Holland.	Cuxhaven ...	29·85	50	SW	2	r	29·86	+ ·11	50	49	0	NW	1	o	#	rh	#	55	46	0·32
	Berlin	29·93	61	Z	0	o	29·89	− ·06	53	50	+ 6	W	2	r	#	o	#	70	50	0·04
	Wiesbaden ...	*	*	*	*	*	30·03	+ ·08	51	47	+ 1	W	3	o	#	*	#	63	46	0·04
	Munich	30·01	51	E	2	r	30·13	+ ·03	45	45	− 1	W	5	r	#	r	#	57	45	0·63
	The Helder ...	29·77	52	SW	1	bc	29·94	+ ·26	51	47	− 2	WNW	2	bc	2	bc	#	54	50	0·04
Belgium.	Brussels ...	*	*	*	*	*	30·05	+ ·21	51	50	0	SW	2	o	#	r	#	58	41	0·24
	Cape Gris Nez ...	?	53	WNW	3	b	?	?	52	49	+ 2	W	2	m	2	b	#	54	45	—
	Paris	29·92	49	W	2	bc	30·12	+ ·19	48	46	− 4	S	1	b	#	bc	#	58	40	0·16
	Brest	30·04	54	NW	4	bc	30·15	+ ·27	53	50	+ 1	NW	1	bc	1	bc	#	55	46	0·04
	Lorient	30·05	55	WNW	5	bc	30·16	+ ·24	53	51	+ 3	NW	2	b	2	bc	#	59	48	—
France &	Rochefort ...	30·07	57	WNW	4	o	30·15	+ ·15	54	52	− 1	E	3	bc	#	c, o	#	63	50	—
	Belfort	29·94	50	SW	1	m	30·13	+ ·14	48	46	− 3	W	4	c	#	m	#	62	40	0·04
	Lyons	30·02	57	WNW	2	o	30·17	+ ·16	53	49	+ 1	NNW	1	bc	#	o	#	69	47	—
	Nice	30·00	68	Z	0	o	29·92	− ·07	59	53	0	E	1	b	1	o	#	68	54	0·04
	Perpignan ...	30·06	62	NW	3	o	30·15	+ ·13	59	52	− 2	NW	2	o	#	o	#	64	55	—
	Biarritz ...	30·09	59	WNW	3	o	30·12	+ ·09	58	54	0	ESE	2	c	2	o	#	63	52	—
Peninsula.	Corunna ...																#			
	Lisbon	30·14	58	N	5	b	30·13	+ ·04	60	54	− 2	NW	4	c	#	b	#	73	54	—
	Azores (P. Delgada)	29·87	66	SSW	2	o	29·80	− ·03	66	65	+ 1	SW	4	c	5	o	#	70	64	—

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

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

Bright Sunshine yesterday Southport 8·4 hrs;

WEATHER CHARTS

FOR Friday 3rd June 1898

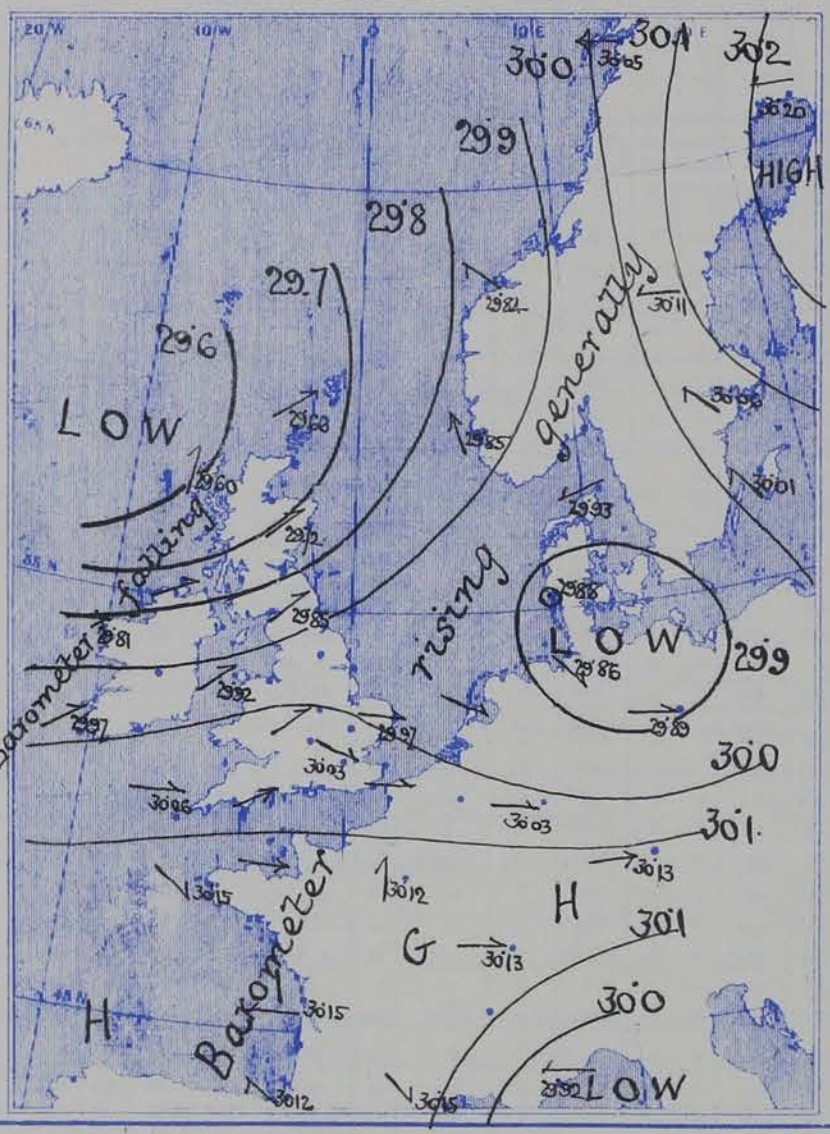
BAROMETER, WIND AND SEA.

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

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

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

SEA—Rough ▤ ; *High* ▦

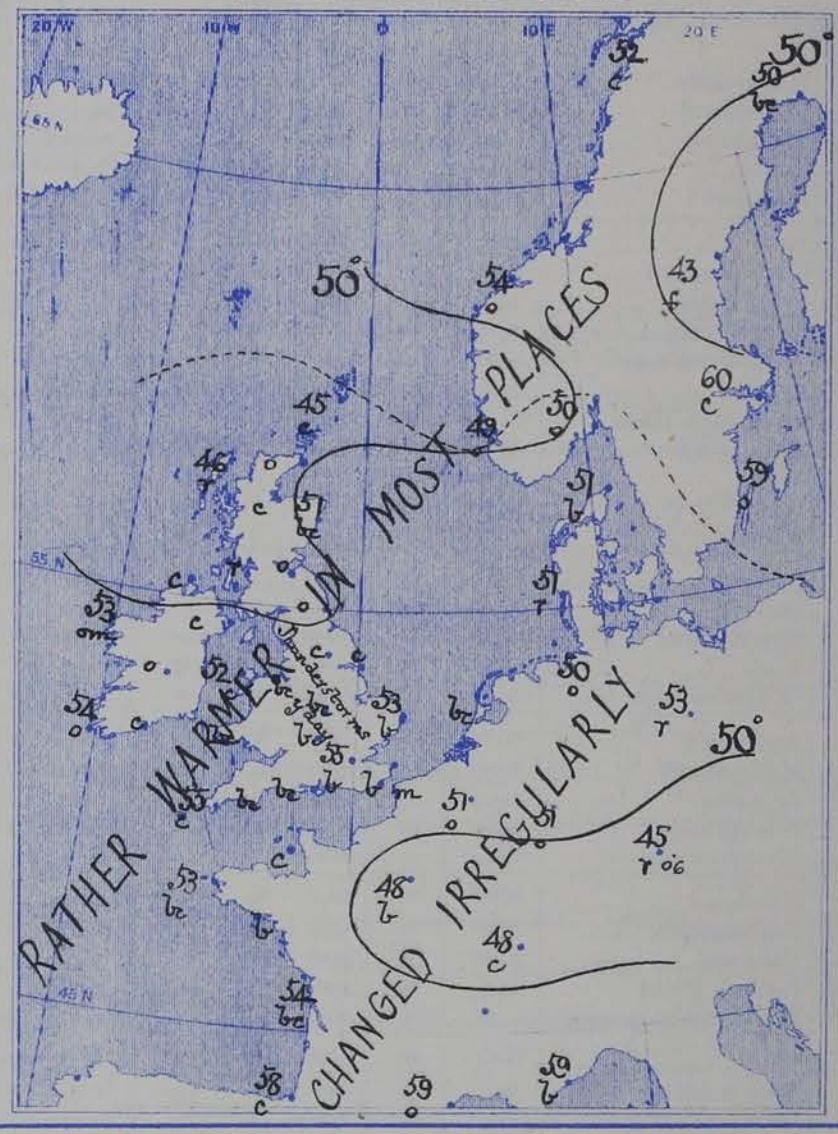


TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

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



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

STATIONS.	PRESSURE AT 8 A.M.	TEMPERATURE OF AIR 1871-95.								RAINFALL.	BRIGHT SUNSHINE.	
		Means of				Absolute Extremes.					Means, 1881—95.	
	Means, 1871—95.	Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum	Years.	Minimum.	Years	Means. 1866—95.	Hours.	Per cent. of possible.
	(*Inches.*)	°	°	°	°	°		°		(*Inches.*)		
Sumburgh Head	29·898	50·5	48·7	54·6	45·0	70	1891	33	1888	1·93	—	—
Stornoway	29·894	53·4	51·4	58·2	46·0	76	1893	31	1888	2·76	185·1	35
Wick	29·916	53·4	50·8	58·9	45·5	79	1878	30	1881	1·75	—	—
Nairn	29·917	54·4	51·0	62·3	47·3	86	1876	30	1888	1·73	—	—
Aberdeen	29·933	54·8	50·8	61·0	47·2	80	1881, 87	30	1888	1·80	196·5	37
Leith	29·943	55·9	52·3	63·9	48·0	86	1887	34	1886	1·79	—	—
Shields	29·959	54·9	51·8	60·6	48·5	76	1878, 84	37	1881, 86, 95	1·71	—	—
Spurn Head	29·971	55·3	52·8	60·3	51·1	80*	1885	34*	1881	1·64	—	—
York	29·979	56·1	52·7	66·2	48·4	88	1878	35	1894	2·21	173·0	34
Loughborough	29·991	57·7	53·8	68·6	48·8	86*	1893	32*	1895	2·20	—	—
Ardrossan	29·944	55·3	52·3	62·1	49·4	85	1878	36	1890	2·32	—	—
Malin Head	29·934	53·6	51·2	59·0	50·8	—	—	—	—	—	—	—
Belmullet	29·953	56·2	53·2	60·8	51·4	—	—	—	—	2·85	—	—
Donaghadee	29·959	55·1	53·0	61·5	49·7	77	1887	36	1880	2·03	—	—
Holyhead	29·976	55·9	53·4	61·7	51·3	83	1878	42	1882	1·97	—	—
Liverpool	29·976	57·0	52·8	64·0	51·1	85	1878, 93	38	1872	1·99	—	—
Parsonstown	29·981	56·2	52·9	64·9	48·5	85	1887	32	1881	2·34	173·7	35
Valencia	29·984	57·4	54·5	62·5	51·2	81	1887	40	1875, 80, 82	3·34	203·4	41
Roche's Point	29·983	57·0	53·8	64·3	51·3	80	1876, 87	41	1881	3·07	—	—
Pembroke	29·983	55·4	53·4	60·5	51·6	79	1893	38	1888	1·88	234·7	48
Scilly	30·002	57·5	55·3	61·5	53·2	75	1893	41	1888	1·76	—	—
Prawle Point	30·010	57·1	54·7	61·7	50·7	79*	1887	39*	1881	1·59	—	—
Jersey	30·019	59·0	55·9	64·9	52·8	87	1872	39	1890	1·86	243·1	51
Hurst Castle	30·007	57·9	55·7	64·6	52·0	84	1893	38	1881	1·83	—	—
Dover	29·989	58·2	55·0	63·0	52·3	77	1878	37	1890, 91, 92, 93	1·52	—	—
LONDON	30·001	58·9	54·6	69·2	50·6	91	1878	35	1880	1·99	167·4†	34†
Oxford	29·996	56·8	53·3	67·1	49·9	86	1876, 93	35	1892, 93	2·11	192·1	39
Cambridge	29·994	58·1	54·7	68·8	48·4	88	1888, 93	33	1892	2·14	195·3	40
Yarmouth	29·983	56·8	54·0	61·9	51·0	81	1877, 88	40	1892	1·86	—	—

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

† The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30·1 ins. and upwards in an anticyclone lying over the Spanish peninsula, the Bay of Biscay and the greater part of France and S. Germany and also in another system over the Gulf of Bothnia and the northern parts of Sweden.
Lowest 29·6 ins. and less in a depression off the NW. of Scotland, 29·9 ins. and less in a shallow disturbance over Denmark and N. Germany.
Gradients slight. Barometer falling in the W. and N. of our Islands, but rising elsewhere.

TEMPERATURE

Highest (1) 60° at Lisbon, and 59° at Nice and Perpignan; (2) 60° at Stockholm, and 59° at Wisby; (3) 56° at Hurst Castle.
Lowest (1) 43° at Haparanda; (2) 45° at Dunbugh Hd., and 46° at Stornoway; (3) 45° at Munich, and 48° at Paris and Belfort.
The maxima registered yesterday were below 55° on many parts of our N. and E. coasts, and below 60° in most other parts of the kingdom. At Leith, however, the thermometer rose to 64°.

WIND

Light to moderate from the W^wd. or SW^wd. over the greater part of the United Kingdom, the Netherlands and Germany, but from the S^wd. in the north of Scotland.
E^ly or SE^ly in Scandinavia, and strong in force at Bodö and Skudesnaes.
Light from the E^wd. over the southern parts of France.

WEATHER

Fine over England and France, but cloudy or dull in most other parts of our area, with rain in the W. of Scotland, as well as at Paris, Berlin and Munich. A solar halo was reported at Oxford.
Showers fell yesterday in all but the SW^rn. parts of our Islands, as well as at many of the Continental stations, with thunder and lightning in the E. and S. of England.

SEA

Moderate to smooth.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression which lay off the N. of Scotland yesterday has entirely disappeared from our area, but in the course of the night a fresh disturbance has advanced to the neighbourhood of the Hebrides. The latter system will probably move N^wds., but with the present distribution of pressure there is some likelihood of the formation of shallow local depressions immediately over our islands.

FORECASTS

For the 24 hours ending at NOON on 4TH JUNE. 1898

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	S^ly and SW^ly winds, freshening, cloudy, some rain, warmer.
1	SCOTLAND EAST	
2	ENGLAND N.E.	SW^ly winds, light; cloudy, some showers.
3	ENGLAND EAST	SW^ly and W^ly winds, moderate; fine at first, showery later.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	SW^ly to W^ly winds, freshening; cloudy, some rain.
7	ENGLAND N.W.	
8	ENGLAND S.W.	W^ly winds, fresh; cloudy, some showers.
9	IRELAND NORTH	Same as Nos. 6 and 7.
10	IRELAND SOUTH	Same as No. 8.
	WARNINGS	None issued.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29.60	48	47	S	6	r	4
Sumburgh Head	29.48	45	44	N	4	r	5
Stornoway	29.75	54	49	N	5	b	5
Aberdeen	29.67	48	46	NW	7	opq	5
Shields	29.71	48	47	NW	2	r	2
Ardrossan	29.75	51	53	W	5	b	3
Malin Head ...	29.85	51	49	NNW	4	c	4
Belmullet	30.03	53	48	NNW	3	bc	*
Holyhead	29.83	54	51	NW	3	cp	2

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	30.04	53	49	NW	4	c	4
Scilly	29.95	55	50	NW	5	c	3
Jersey	29.89	55	50	W	6	bc	5
Hurst Castle ...	29.77	58	52	WNW	4	c	3
Dungeness ...	29.73	54	50	SW	4	cp	3
North Foreland	29.75	50	46	SSE	2	o	2
London (Westminster)	29.73	56	49	WNW	3	c	*
Yarmouth ...	29.72	50	48	SE	4	cpt	3
Rochefort ...	30.06	58	55	WNW	4	c	*

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

Weather in morning changeable and showery over nearly the whole of the United Kingdom. Fine over S^rn. Europe generally, and also over the Baltic and the S. of Sweden, but cloudy or dull in most other parts of the Continent, with rain at Münster and Munich. Showers falling later in all but the NW^rn. parts of our Islands, and also over the W^rn. and central parts of the Continent; thunder and lightning occurring at several of the English stations.

Temperature risen in Ireland and Scotland, changed very irregularly elsewhere. Morning readings highest 74° at Brindisi, 73° at La Calle, and 72° at Athens; above 60° over S^rn. Europe generally, and very little below it at some of the Baltic stations. Lowest (1) 34° at Archangel, and 43° at Hernösand; (2) 46° at Sumburgh Hd., Shields, York, Liverpool and Oxford. Daily maxima below 55° at many of our own N^rn. and E^rn. stations, and below 60° in most other parts of the Kingdom, but thermometer reaching 64° at Leith. Exceeding 65° in the extreme S. of France, and reaching 73° at Lisbon.

Wind fresh to strong from the N^rd. or NW^rn. in the west and north of our Islands; moderate from the SW^rd. in the southeast of England, and also over the Netherlands, Germany and Denmark; strong from the S^rd. in the south, and from the E^rd. in the north of Scandinavia. Variable over southern Europe generally, but N^rly. on the Portuguese coasts. Moderating later in the west and north of our Islands, and backing slightly in the west of Ireland.

Barometer highest 30.3 ins. and upwards in an anticyclone over N^rn. Russia; 30.1 ins. and upwards in two other systems lying respectively off the Portuguese coasts, and over Sicily and central Italy. Lowest 29.4 ins. and less in a well marked depression, with its centre between the Shetlands and the Norwegian coasts; 29.8 ins. and less in a shallow system over central Russia. Norwegian depression subsequently moving N^rth., and barometer rising in most parts of W^rn. Europe.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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DAILY WEATHER REPORT

for 8 a.m. on Saturday 4th June 1898.

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

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb.	Temperature. Wet Bulb.	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max.	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
Scandinavia	Haparanda ...	30·26	50	2	0	b	30·33	+ ·13	54	47	+ 4	SSE	2	b	*	b	*	59	39	—
	Hernösand ...	30·18	45	2	0	b	30·15	+ ·04	49	46	+ 6	NE	6	be	*	b	*	52	39	—
	Stockholm ...	30·03	55	E	2	0	29·91	— ·15	51	50	— 9	ESE	4	r	*	0	*	64	45	0·35
	Wisby	29·90	51	SE	4	r	29·92	— ·12	52	50	— 7	SSW	4	0	*	r	*	63	45	0·28
	Karlstad ...	30·00	53	NE	2	r	29·80	— ·17	51	50	0	SE	4	0	*	r	*	*	*	0·47
	Bodö	30·11	51	E	6	c	30·15	+ ·10	55	47	+ 3	E	4	b	1	c	*	65	45	—
	Christiansund ...	29·94	54	ESE	2	bc	29·97	+ ·13	56	49	+ 2	ESE	1	c	2	bc	*	63	46	—
	Skudesnaes ...	29·93	50	SSE	4	c	29·91	+ ·06	50	49	+ 1	SE	4	bc	2	0,c	*	50	45	*
	Færder (Christiania Fjord)	29·94	54	SE	1	0	29·85	— ·06	49	47	— 1	NNW	4	0	2	0	*	54	48	0·12
	Skagen (The Scaw)	29·91	50	NE	2	r	29·87	— ·06	49	49	— 2	NNW	2	0	2	r	*	59	48	—
	Fanö	29·97	47	WNW	3	b	29·95	+ ·07	52	50	+ 1	WSW	4	c	*	b	*	57	46	—
	Sumburgh Head	29·68	49	SE	4	0	29·65	— ·01	48	48	+ 3	SE	4	r	6	0	*	51	45	0·24
	Stornoway ...	29·52	49	WSW	3	r	29·57	— ·03	48	47	+ 2	WSW	2	c	2	r	0·0	50	43	0·20
	Wick	29·47	50	S	4	c	29·60	— ·07	52	49	+ 4	SSW	2	bc	3	c	*	54	45	0·07
	Nairn	29·55	53	W	1	c	29·62	— ·05	52	50	+ 3	2	0	c	0	c	*	60	39	0·04
	Aberdeen ...	29·63	49	S	2	opg	29·65	— ·07	53	49	+ 2	SW	3	c	2	rg, opg	2·0	54	46	0·09
British Islands.	Leith	29·64	52	WSW	1	0	29·66	— ·10	54	49	+ 5	W	2	c	*	0	*	58	47	0·20
	Shields	29·76	53	SSW	3	0	29·73	— ·12	52	50	+ 3	SW	3	c	2	op, 0	*	54	47	003
	Spurn Head ...	29·83	57	SW	3	c	29·83	— ·08	54	52	0	SW	4	0	3	c	*	59	49	—
	York	29·83	57	SSW	3	c	29·81	— ·10	54	51	+ 3	SW	3	0	*	0,c	0·5	57	48	—
	Loughborough ...	29·88	57	SW	4	c	29·88	— ·08	55	51	+ 2	SW	3	0	*	bc, c, 0	*	62	44	—
	Ardrossan ...	29·64	50	SW	2	0	29·67	— ·07	51	50	+ 3	SW	3	c	3	r, 0	*	51	48	0·07
	Malin Head ...	29·61	48	W	5	cp	29·65	— ·05	51	49	+ 2	SSW	3	bc	2	0. cp	*	54	46	0·07
	Belmullet ...	29·73	52	W	4	c	29·71	— ·10	51	48	— 2	WSW	3	cm	*	0, c	*	55	45	0·14
	Donaghadee ...	29·70	52	WSW	4	op	29·73	— ·08	54	51	+ 4	W	4	bc	2	op	*	59	45	0·20
	Liverpool (Bidston)	29·82	54	SW	5	c	29·82	— ·10	54	50	+ 1	SW	3	r	2	c. p	*	58	50	0·02
	Holyhead ...	29·80	52	SW	5	cpa	29·80	— ·12	53	52	+ 2	SW	4	c	3	opa, cpa	*	55	49	0·02
	Parsonstown ...	29·78	55	SW	1	c	29·75	— ·14	52	50	0	SW	1	0	*	cp. r	2·1	57	48	0·25
	Valencia ...	29·90	54	WSW	5	og	29·78	— ·19	54	52	— 0	SSW	2	0	3	og	0·2	56	49	0·17
	Roche's Point ..	29·90	57	W	4	c	29·84	— ·14	52	51	— 1	SW	4	op	4	p, c	*	60	50	0·05
	Pembroke (St. Ann's Hd.)	29·91	52	WSW	5	bc	29·89	— ·11	52	50	0	WSW	4	rg	4	bc	3·7	55	50	0·10
	Scilly	30·00	55	W	4	cp	29·92	— ·14	56	53	+ 1	SW	3	c	2	c, cp	4·3	59	50	0·01
	Prawle Point ...	30·02	52	WSW	4	c	29·97	— ·10	52	51	— 1	SSW	3	cm	2	c	*	55	49	—
	Jersey (St. Aubin's)	30·09	56	W	5	bc	30·02	— ·10	56	52	+ 1	S	3	c	3	bc	*	59	49	—
	Hurst Castle ...	30·02	55	WSW	5	c	29·97	— ·08	56	53	0	SW	4	c	3	bc, c	*	58	53	—
	Dungeness ...	29·99	54	WSW	5	c	29·99	— ·03	55	53	0	SW	4	c	3	c	*	58	51	—
	North Foreland	30·00	58	SW	5	bc	30·00	— ·02	54	51	+ 2	SW	4	0	2	c, bc	*	61	48	—
	London (Brixton) ...	29·98	56	WSW	3	0	29·96	— ·07	56	51	+ 1	SW	2	0	*	cpb, b	7·7	65	48	—
	Oxford	29·95	52	SW	3	0	29·94	— ·07	53	50	— 2	SW	3	0	*	c, op	*	62	48	0·05
	Cambridge ...	29·93	51	SW	3	0	29·94	— ·07	54	52	0	SW	3	0	*	bc, 0	9·8	63	44	—
	Yarmouth ...	29·92	56	SSW	3	c	29·91	— ·06	57	53	+ 4	SW	4	bc	3	bc, c	*	60	48	0·01
Germany & Holland.	Cuxhaven ...	29·99	52	NW	3	bc	30·00	+ ·14	50	49	0	SW	3	b	*	bc, w	*	54	43	0·04
	Berlin	29·99	53	W	1	b	30·11	+ ·22	54	50	+ 1	W	2	b	*	b	*	61	46	0·08
	Wiesbaden ...	*	*	*	*	*	30·13	+ ·10	48	47	— 3	S	1	b	*	*	*	57	43	0·39
	Munich	30·17	49	2	0	b	30·18	+ ·05	52	49	+ 7	E	2	bc	*	b	*	51	37	0·04
	The Helder ...	29·99	54	SW	1	b	29·97	+ ·03	54	51	+ 3	SW	4	bc	2	b	*	59	46	—
Belgium.	Brussels ...	*	*	*	*	*	30·06	+ ·01	56	52	+ 5	SSW	2	0	*	b	*	60	43	0·04
	Cape Gris Nez ...	?	54	WSW	3	c	?	?	55	51	+ 3	SW	3	bc	3	c	*	59	48	—
	Paris	30·10	60	SW	1	b	30·08	— ·04	54	50	+ 6	SSE	2	b	*	b	*	64	43	—
	Brest	30·05	57	SW	2	b	29·99	— ·16	53	51	0	SW	2	c	3	bc	*	59	50	—
	Lorient	30·12	58	NW	2	b	30·02	— ·14	52	50	— 1	E	2	bc	1	b	*	64	46	—
France &	Rochefort ...	30·12	61	NW	3	bc	29·95	— ·20	54	51	0	ENE	2	b	*	bc	*	70	46	0·08
	Belfort	30·11	55	W	1	bc	30·09	— ·04	50	46	+ 2	E	2	m	*	bc	*	62	39	—
	Lyons	30·11	60	NW	1	b	30·10	— ·07	56	50	+ 3	E	1	b	*	b	*	66	43	—
	Nice	29·92	64	SE	3	b	30·07	+ ·15	59	55	0	S	1	b	1	b	*	77	54	—
	Perpignan ...	30·07	68	W	2	b	30·07	— ·08	61	57	+ 2	E	2	bc	*	b	*	70	48	—
	Biarritz ...	30·07	60	NNE	4	0	29·93	— ·19	59	55	+ 1	E	3	b	2	0	*	63	50	—
Peninsula.	Corunna ...																*			
	Lisbon	30·07	57	NNW	4	bc	30·01	— ·12	61	56	+ 1	SSW	3	b	*	bc	*	72	55	—
	Azores (P. Delgada)	29·70	65	SW	4	0	29·60	— ·20	66	65	0	W	4	r	5	0	*	66	61	0·04

For Explanation of Columns, see bottom of last page.

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

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

Bright Sunshine yesterday. Southport 2·4 *hrs;*

WEATHER CHARTS

FOR Saturday, 4th June, 1898

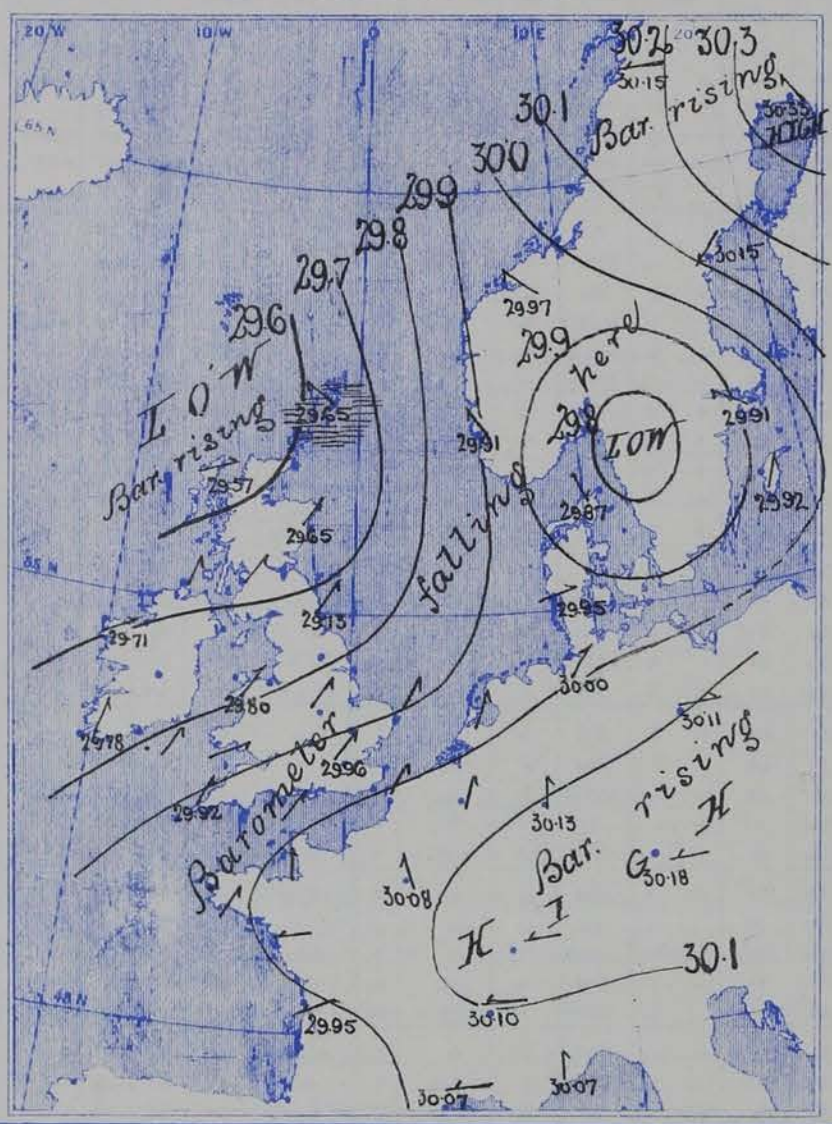
BAROMETER, WIND AND SEA.

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

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

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

SEA—Rough ≡ ; High ▬

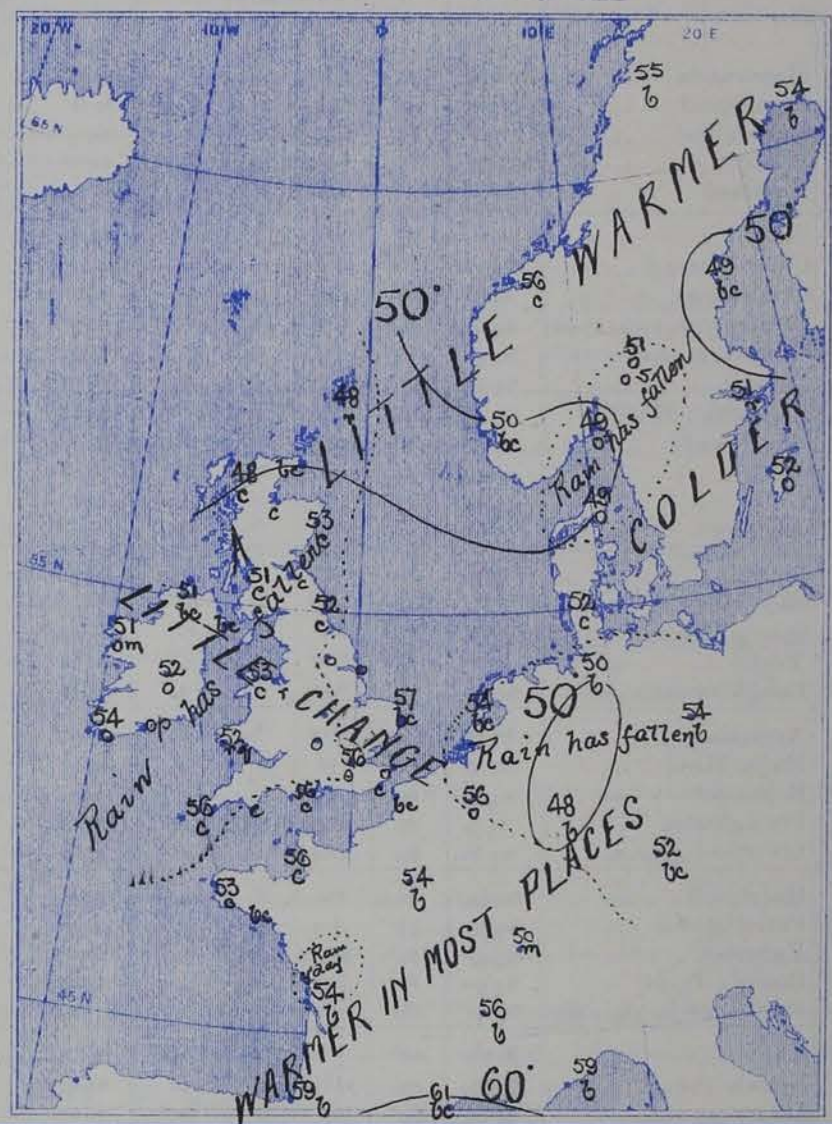


TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

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



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

STATIONS.	PRESSURE AT 8 A.M.	TEMPERATURE OF AIR. 1871-95.								RAINFALL.	BRIGHT SUNSHINE.	
		Means of				Absolute Extremes.						
	Means, 1871–95.	Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum	Years.	Minimum.	Years	Means. 1866—95.	Means, 1881—95. Hours.	Per cent. of possible.
	(*Inches.*)	°	°	°	°	°		°		(*Inches.*)		
Sumburgh Head	29·898	50·5	48·7	54·6	45·0	70	1891	33	1888	1·93	—	—
Stornoway	29·894	53·4	51·4	58·2	46·0	76	1893	31	1888	2·76	185·1	35
Wick	29·916	53·4	50·8	58·9	45·5	79	1878	30	1881	1·75	—	—
Nairn	29·917	54·4	51·0	62·3	47·3	86	1876	30	1888	1·73	—	—
Aberdeen	29·933	54·8	50·8	61·0	47·2	80	1881, 87	30	1888	1·80	196·5	37
Leith	29·943	55·9	52·3	63·9	48·0	86	1887	34	1886	1·79	—	—
Shields	29·959	54·9	51·8	60·6	48·5	76	1878, 84	37	1881, 86, 95	1·71	—	—
Spurn Head	29·971	55·3	52·8	60·3	51·1	80*	1885	34*	1881	1·64	—	—
York	29·979	56·1	52·7	66·2	48·4	88	1878	35	1894	2·21	173·0	34
Loughborough	29·991	57·7	53·8	68·6	48·8	86*	1893	32*	1895	2·20	—	—
Ardrossan	29·944	55·3	52·3	62·1	49·4	85	1878	36	1890	2·32	—	—
Malin Head	29·934	53·6	51·2	59·0	50·8	—	—	—	—	—	—	—
Belmullet	29·953	56·2	53·2	60·8	51·4	—	—	—	—	2·85	—	—
Donaghadee	29·959	55·1	53·0	61·5	49·7	77	1887	36	1880	2·03	—	—
Holyhead	29·976	55·9	53·4	61·7	51·3	83	1878	42	1882	1·97	—	—
Liverpool	29·976	57·0	52·8	64·0	51·1	85	1878, 93	38	1872	1·99	—	—
Parsonstown	29·981	56·2	52·9	64·9	48·5	85	1887	32	1881	2·34	173·7	35
Valencia	29·984	57·4	54·5	62·5	51·2	81	1887	40	1875, 80, 82	3·34	203·4	41
Roche's Point	29·983	57·0	53·8	64·3	51·3	80	1876, 87	41	1881	3·07	—	—
Pembroke	29·983	55·4	53·4	60·5	51·6	79	1893	38	1888	1·88	234·7	48
Scilly	30·002	57·5	55·3	61·5	53·2	75	1893	41	1888	1·76	—	—
Prawle Point	30·010	57·1	54·7	61·7	50·7	79*	1887	39*	1881	1·59	—	—
Jersey	30·019	59·0	55·9	64·9	52·8	87	1872	39	1890	1·86	243·1	51
Hurst Castle	30·007	57·9	55·7	64·6	52·0	84	1893	38	1881	1·83	—	—
Dover	29·989	58·2	55·0	63·0	52·3	77	1878	37	1890, 91, 92, 93	1·52	—	—
LONDON	30·001	58·9	54·6	69·2	50·6	91	1878	35	1880	1·99	167·4+	34+
Oxford	29·996	56·8	53·3	67·1	49·9	86	1876, 93	35	1892, 93	2·11	192·1	39
Cambridge	29·994	58·1	54·7	68·8	48·4	88	1888, 93	33	1892	2·14	195·3	40
Yarmouth	29·983	56·8	54·0	61·9	51·0	81	1877, 88	40	1892	1·86	—	—

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

\+ The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.3 ins. and upwards in an anticyclone lying over Lapland; 30.1 ins and upwards in another system over Germany and the east of France.
Lowest 29.6 ins. and less in a shallow depression off the N. of Scotland; 29.8 ins. and less in another shallow disturbance over the south of Sweden.
Gradients slight. Barometer rising a little in Scotland and the Nrn. parts of Scandinavia, and also in Germany, but falling elsewhere.

TEMPERATURE

Highest (1) 61° at Perpignan and Lisbon, and 59° at Nice and Biarritz; (2) 57° at Yarmouth; (3) 56° at Christiansund, and 55° at Bodö.
Lowest (1) 48° at Sumburgh Hd. and Stornoway; (2) 48° at Wiesbaden; (3) 49° at Hernösand, Faeyder & Skagen.
During yesterday the thermometer rose to 60° and upwards over the E'rn, central and southeastern parts of England generally, and to 65° in London.

WIND

Light to moderate from the SW'rd over the greater part of our Islands, the Netherlands & N. Germany.
E'ly or SE'ly at most of the Scandinavian stations, but NW'ly over the Skager Rack.
Light from the E'rd over France and S. Germany.

WEATHER

Cloudy or dull in most parts of our Islands and also in the S. of Sweden, with rain at some of our western stations and at Stockholm.
Fine in France and Germany, as well as over Norway and the northern parts of Sweden.
Showers fell yesterday in many parts of the United Kingdom and steady rain at several of the Swedish, Danish and German stations. Solar and lunar halos were seen in the S. of England.

SEA

Slight or smooth generally, but rough at Sumburgh Head.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Further low pressure systems are apparently advancing towards our west and southwest coasts, and cloudy showery weather is likely to continue for a time in most parts of the United Kingdom.

FORECASTS

For the 24 hours ending at NOON on 5TH JUNE 1898

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

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29.88	50	47	WSW	4	o	3
Sumburgh Head	29.69	49	47	SE	4	o	5
Stornoway	29.54	50	49	SSE	2	r	2
Aberdeen	29.68	48	46	S	5	orgq	3
Shields	29.82	51	48	SSW	3	op	2
Ardrossan	29.65	50	50	SSW	5	r	4
Malin Head ...	29.64	52	51	W	5	o	3
Belmullet	29.76	54	50	W	4	o	*
Holyhead	29.86	53	51	SW	4	opa	3
Valencia	29.94	55	52	WSW	6	og	5
Scilly	30.04	58	53	SW	4	c	3
Jersey	30.12	58	52	WNW	5	bc	4
Hurst Castle ...	30.04	57	53	SW	5	bc	4
Dungeness ...	30.02	57	53	SW	5	c	4
North Foreland	30.01	60	53	SW	5	c	3
London (Westminster)	29.98	61	53	SW	3	c	*
Yarmouth ...	29.95	60	54	SSE	3	bc	3
Rochefort ...	30.18	68	64	NW	2	bc	*

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

Weather in morning fine over England and France, and also over Austria, Greece and S^rn. Italy. Cloudy or dull in nearly all other parts of Europe, with rain in the W. of Scotland, as well as at some of the Danish and German stations. Showers falling later in many parts of the United Kingdom; solar and lunar halos seen in the S. of England.

Temperature risen over the greater part of our Islands, but changed irregularly elsewhere. Morning readings highest 79° at Palermo, 77° at Algiers, and 73° at Athens; above 65° at most of the Mediterranean and Adriatic stations, and above 60° over S^rn. and E^rn. Europe generally. Lowest (1) 35° at Archangel, and 43° at Hernösand; (2) 45° at Sumburgh H^d, and 46° at Stornoway; (3) 45° at Munich, and 48° at Paris and Belfort. Rising during day to between 60° and 65° over the E^rn. and central parts of England; exceeding 70° over the Spanish peninsula and the S. of France, and reaching 77° at Nice.

Wind light to moderate from the W^wd. or SW^wd. over the greater part of the United Kingdom, the Netherlands and Germany, but N^ly. in the north of Scotland; E^ly. or SE^ly. over northern Europe and strong in force at Skudesnaes. Light from the E^wd. in the west of France, but from the NW^wd. in the south of that country; S^ly. or SW^ly. over Italy and Greece; variable over the Spanish peninsula. Subsequently shifting to the N^wd. in the west of France; no important change occurring elsewhere.

Barometer highest 30.2 ins. and upwards in an anticyclone over N^rn. Russia; 30.1 ins. and upwards in another system over the Bay of Biscay, France and the N^rn. parts of Spain. Lowest 29.6 ins. and less in a shallow depression off the NW. of Scotland; 29.8 ins. and less in another shallow system over the S. of Russia; 29.9 ins. and less in a third over Denmark and N. Germany. Scotch depression spreading slowly to the S^wd. later, Danish disturbance 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.

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

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DAILY WEATHER REPORT

for 8 a.m. on Sunday 5th June, 1898.

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

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)									PAST 24 HOURS.				
		Barom.	Temp.	Wind.			Barometer.		Temperature.			Wind.						Temp.		
		At 32° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)	Weather	At 32° Fahr. and M. S. L.	Change since Yesterday.	Dry Bulb.	Wet Bulb.	Change since Yesterday.	Direc.	Force (0 to 12.)	Weather.	Sea (0 to 9.)	Weather.	Hours of Bright Sunshine.	Max.	Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
Scandinavia.	Haparanda ...	30·23	56	2	0	b	30·30	−·03	58	50	+4	S	2	b	#	b	#	64	41	—
	Hernösand ...	30·09	48	NE	2	bc	30·16	+·01	50	49	+1	NE	4	bc	#	bc	#	54	41	—
	Stockholm ...	30·03	53	2	0	0	30·08	+·17	52	51	+1	NNW	2	o	#	o	#	59	50	0·16
	Wisby	30·03	49	NNW	4	b	30·10	+·18	48	47	−4	NW	4	b	#	b	#	54	41	—
	Karlstad ...	30·02	52	SW	2	bc	30·12	+·32	51	48	0	WSW	2	b	#	bc	#	#	#	—
	Bodö	30·16	55	ESE	4	b	30·14	−·01	62	51	+7	E	4	b	1	b	#	62	46	—
	Christiansund ...	29·84	57	ESE	5	b	30·02	+·05	56	50	0	ESE	4	b	2	b	#	57	52	—
	Skudesnaes ...	29·89	51	S	6	f	30·10	+·19	51	49	+1	S	6	m	4	f	#	54	45	#
	Færder (Christiania Fjord)	29·97	51	S	2	b	30·12	+·27	52	49	+3	S	1	m	1	b	#	52	48	0·12
	Skagen (The Scaw)	30·02	53	SSW	2	b	30·13	+·26	52	51	+3	ESE	1	f	0	b	#	61	46	—
	Fanö	30·04	53	SW	2	c	30·09	+·14	54	53	+7	NNW	1	b	#	c	#	59	50	—
	Sumburgh Head	29·68	50	S	2	c	29·82	+·17	50	49	+2	ESE	2	c	4	o.c	#	52	43	0·01
	Stornoway ...	29·64	51	WSW	3	o	29·72	+·15	51	50	+3	WSW	2	c	2	c.o	3·8	53	45	0·03
	Wick	29·68	55	S	2	bc	29·81	+·21	54	52	+3	S	2	bc	2	r,bc	#	57	43	0·15
	Nairn	29·66	58	W	1	c	29·77	+·15	58	54	+6	S	1	c	1	c	#	61	52	0·04
	Aberdeen ...	29·69	53	E	3	bc	29·85	+·20	53	49	0	SE	3	c	3	bc	7·7	61	48	0·02
British Islands.	Leith	29·72	59	WSW	2	c	29·83	+·17	55	51	+1	2	0	0	#	c	#	63	51	0·05
	Shields	29·80	57	SW	3	c	29·88	+·15	53	52	+1	SE	1	0	2	o.r	#	62	50	0·05
	Spurn Head ...	29·86	54	S	2	c	29·98	+·05	54	53	0	SE	3	c	3	c	#	60	50	0·04
	York	29·84	56	WNW	1	cp	29·88	+·07	56	52	+2	S	1	b	#	cp	0·5	61	49	0·27
	Loughborough ...	29·88	55	SW	2	o	29·88	·00	55	51	0	ESE	1	o	#	c,op.c.o	#	61	47	0·02
	Ardrossan ...	29·69	52	S	3	op	29·81	+·14	52	51	+1	SSE	3	opm	3	op	#	55	50	0·02
	Malin Head ...	29·66	52	ESE	1	cp	29·68	+·03	52	51	+1	SSE	5	c	2	cp	#	56	50	0·04
	Belmullet ...	29·67	54	WSW	1	o	29·69	−·08	54	52	+3	WSW	3	o	#	o	#	55	46	0·01
	Donaghadee ...	29·72	54	WSW	4	cp	29·78	+·05	52	51	−2	SSW	5	c	3	cp	#	59	49	0·37
	Liverpool (Bidston)	29·83	57	SW	2	o	29·84	+·02	55	51	+1	SE	3	o	3	o	#	58	49	0·05
	Holyhead ...	29·87	53	SW	4	c	29·80	·00	52	51	−1	SE	2	op	1	c	#	56	49	0·07
	Parsonstown ...	29·70	56	SW	1	c	29·68	−·07	52	50	0	SE	2	or	#	cp. or	1·8	59	49	0·07
	Valencia ...	29·70	53	S	2	og	29·54	−·24	54	52	0	ESE	4	op	4	og	0·7	58	50	0·14
	Roche's Point ..	29·76	52	SW	4	d	29·65	−·19	52	52	0	SSE	6	r	4	d.r	#	57	50	0·25
	Pembroke (St. Ann's Hd.)	29·84	52	SSW	3	r	29·75	−·14	53	51	+1	SE	4	c	3	r	0·2	54	50	0·05
	Scilly	29·89	56	S	4	o	29·69	−·23	54	52	−2	SE	5	omp	3	c,o	5·1	62	51	0·02
	Prawle Point ...	29·91	53	S	2	c	29·79	−·18	54	52	+2	S	2	c	1	c	#	55	49	0·08
	Jersey (St. Aubin's)	29·92	59	E	1	og	29·84	−·18	60	56	+4	SSW	1	o	1	c.og	#	61	54	—
	Hurst Castle ...	29·93	59	SW	2	c	29·85	−·12	59	56	+3	E	2	cm	1	cp.c	#	59	52	—
	Dungeness ...	29·93	55	S	2	c	29·84	−·15	59	55	+4	E	3	bc	2	c	#	59	51	—
	North Foreland	29·90	55	S	4	bc	29·89	−·11	59	54	+5	SE	3	c	2	bc	#	62	50	—
	London (Brixton) ...	29·93	59	SSW	2	bc	29·86	−·10	61	53	+5	SE	1	c	#	o.bc,b	1·6	61	49	—
	Oxford	29·91	55	SSW	2	c	29·85	−·09	54	51	+1	ENE	1	op	#	c,p	#	59	48	0·01
	Cambridge ...	29·91	57	SSW	3	o	29·88	−·06	60	56	+6	ESE	1	o	#	o	0·5	61	44	0·02
	Yarmouth ...	29·91	58	S	2	bc	29·91	·00	55	53	−2	SSE	3	bc	2	c.bc	#	60	50	—
Germany & Holland.	Cuxhaven ...	30·03	55	W	1	c	30·07	+·07	55	55	+5	SSE	2	o	#	c	#	59	52	—
	Berlin	30·09	61	2	0	b	30·12	+·01	63	53	+9	2	0	o	#	b	#	68	53	—
	Wiesbaden ...	#	#	#	#	#	30·03	−·10	59	53	+11	SE	1	b	#	c	#	64	48	—
	Munich... ..	30·11	53	E	2	b	30·11	−·07	57	52	+5	E	2	b	#	b	#	63	40	—
	The Helder ...	29·97	55	SW	1	bc	29·96	−·01	62	57	+8	SE	1	c	1	bc	#	63	52	—
Belgium.	Brussels ...	#	#	#	#	#	29·95	−·11	63	56	+7	SSE	3	o	#	c	#	64	51	—
	Cape Gris Nez...	?	58	WSW	1	bc	?	?	59	54	+4	SE	1	o	1	bc	#	61	50	—
	Paris	29·96	66	SE	2	b	29·93	−·15	53	52	−1	SSE	1	r	#	b	#	69	52	0·04
	Brest	29·88	55	SSW	2	c	29·77	−·22	55	54	+2	SSE	2	o	2	c	#	59	50	—
	Lorient... ...	29·89	57	2	0	t	29·82	−·20	57	56	+5	SSW	2	o	0	t	#	68	52	—
France &	Rochefort ...	29·91	74	E	1	bc	29·87	−·08	64	63	+10	ESE	2	o	#	bc	#	81	54	—
	Belfort	29·93	68	E	1	b	29·98	−·11	58	53	+8	NE	2	o	#	b	#	69	46	—
	Lyons	29·94	68	SSE	2	c	29·99	−·11	63	55	+7	S	2	o	#	c	#	75	51	—
	Nice	30·04	64	W	2	bc	30·08	+·01	66	58	+7	E	1	bc	1	bc	#	68	54	—
	Perpignan ...	29·95	67	E	3	o	29·98	−·09	60	59	−1	NW	2	o	#	o	#	71	56	—
	Biarritz ...	29·81	78	E	3	o	29·78	−·25	61	59	+2	E	5	o	1	o,2	#	84	59	—
Penin-sula.	Corunna ...																#			
	Lisbon	29·96	62	SSW	4	o	29·95	−·06	64	61	+3	SSW	5	o	#	o	#	66	61	0·08
	Azores (P. Delgada)	29·69	65	N	1	c	29·72	+·12	64	63	−2	2	o	c	2	c	#	70	61	0·16

For Explanation of Columns, see bottom of last page.

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

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

Bright Sunshine yesterday Southport 5·1 hrs;

WEATHER CHARTS

FOR Sunday, 5th June, 1898

BAROMETER, WIND AND SEA.

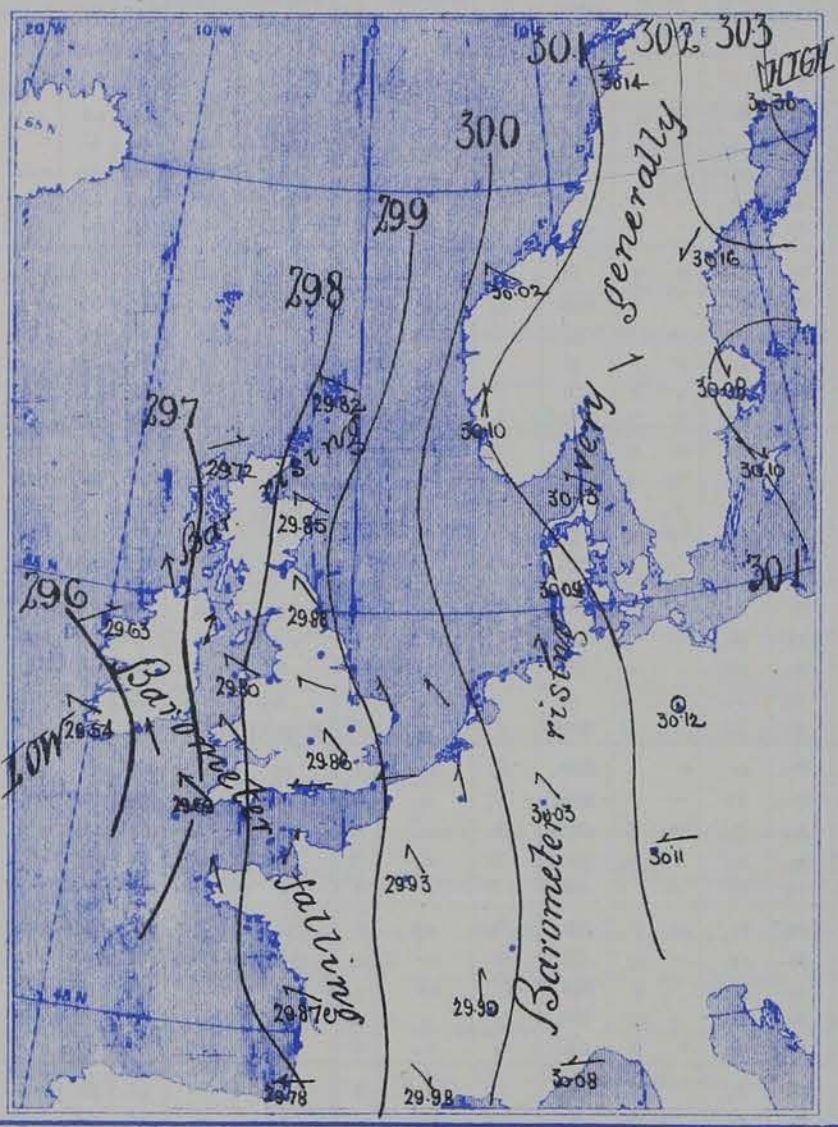
BAROMETER—Isobars are drawn for each tenth of an inch.

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

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

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

SEA—Rough ≡ ; High ▬

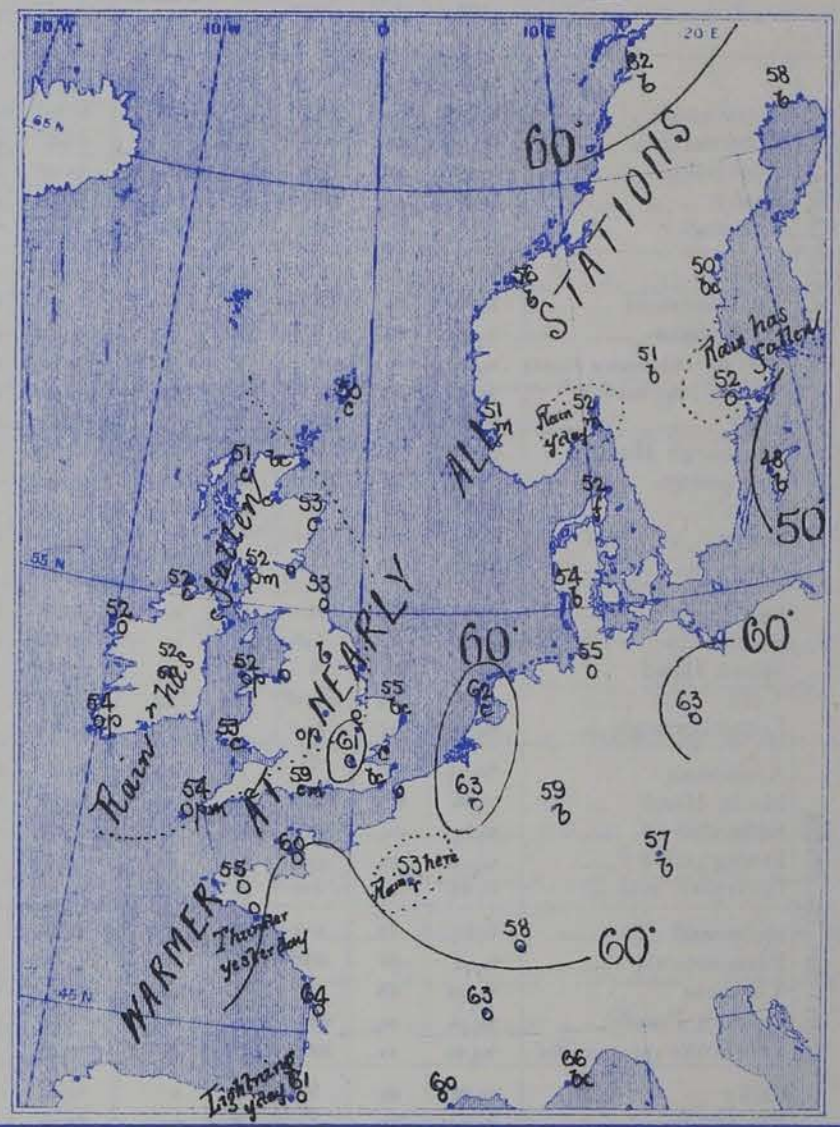


TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

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



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

STATIONS.	PRESSURE AT 8 A.M.	TEMPERATURE OF AIR. 1871-95.								RAINFALL.	BRIGHT SUNSHINE.	
		Means of				Absolute Extremes.						
	Means, 1871–95.	Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum	Years.	Minimum.	Years	Means, 1866—95.	Means, 1881—95. Hours.	Per cent. of possible.
	(*Inches.*)	°	°	°	°	°		°		(*Inches.*)		
Sumburgh Head	29·898	50·5	48·7	54·6	45·0	70	1891	33	1888	1·93	—	—
Stornoway	29·894	53·4	51·4	58·2	46·0	76	1893	31	1888	2·76	185·1	35
Wick	29·916	53·4	50·8	58·9	45·5	79	1878	30	1881	1·75	—	—
Nairn	29·917	54·4	51·0	62·3	47·3	86	1876	30	1888	1·73	—	—
Aberdeen	29·933	54·8	50·8	61·0	47·2	80	1881, 87	30	1888	1·80	196·5	37
Leith	29·943	55·9	52·3	63·9	48·0	86	1887	34	1886	1·79	—	—
Shields	29·959	54·9	51·8	60·6	48·5	76	1878, 84	37	1881, 86, 95	1·71	—	—
Spurn Head	29·971	55·3	52·8	60·3	51·1	80*	1885	34*	1881	1·64	—	—
York	29·979	56·1	52·7	66·2	48·4	88	1878	35	1894	2·21	173·0	34
Loughborough	29·991	57·7	53·8	68·6	48·8	86*	1893	32*	1895	2·20	—	—
Ardrossan	29·944	55·3	52·3	62·1	49·4	85	1878	36	1890	2·32	—	—
Malin Head	29·934	53·6	51·2	59·0	50·8	—	—	—	—	—	—	—
Belmullet	29·953	56·2	53·2	60·8	51·4	—	—	—	—	2·85	—	—
Donaghadee	29·959	55·1	53·0	61·5	49·7	77	1887	36	1880	2·03	—	—
Holyhead	29·976	55·9	53·4	61·7	51·3	83	1878	42	1882	1·97	—	—
Liverpool	29·976	57·0	52·8	64·0	51·1	85	1878, 93	38	1872	1·99	—	—
Parsonstown	29·981	56·2	52·9	64·9	48·5	85	1887	32	1881	2·34	173·7	35
Valencia	29·984	57·4	54·5	62·5	51·2	81	1887	40	1875, 80, 82	3·34	203·4	41
Roche's Point	29·983	57·0	53·8	64·3	51·3	80	1876, 87	41	1881	3·07	—	—
Pembroke	29·983	55·4	53·4	60·5	51·6	79	1893	38	1888	1·88	234·7	48
Scilly	30·002	57·5	55·3	61·5	53·2	75	1893	41	1888	1·76	—	—
Prawle Point	30·010	57·1	54·7	61·7	50·7	79*	1887	39*	1881	1·59	—	—
Jersey	30·019	59·0	55·9	64·9	52·8	87	1872	39	1890	1·86	243·1	51
Hurst Castle	30·007	57·9	55·7	64·6	52·0	84	1893	38	1881	1·83	—	—
Dover	29·989	58·2	55·0	63·0	52·3	77	1878	37	1890, 91, 92, 93	1·52	—	—
LONDON	30·001	58·9	54·6	69·2	50·6	91	1878	35	1880	1·99	167·4+	34+
Oxford	29·996	56·8	53·3	67·1	49·9	86	1876, 93	35	1892, 93	2·11	192·1	39
Cambridge	29·994	58·1	54·7	68·8	48·4	88	1888, 93	33	1892	2·14	195·3	40
Yarmouth	29·983	56·8	54·0	61·9	51·0	81	1877, 88	40	1892	1·86	—	—

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

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·30 ins: at Haparanda, 30·1 ins: and upwards over nearly the whole of Sweden, Denmark, and Germany.
Lowest, 29 6 ins: and less, in a depression lying off the southwest of Ireland.
Gradients slight. Barometer falling in the west and south of our Islands and also over the greater part of France and the Netherlands, but rising elsewhere.

TEMPERATURE

Highest, (1) 66° at Nice, 64° at Rochefort and Lisbon, and 63° at Berlin, Brussels, and Lyons; (2) 62° at Basle.
Lowest, (1) 48° at Wisby, and 50° at Haparanda; (2) 50° at Lumburgh Head, 51° at Stornoway, and 52° at several of our western stations.
During yesterday the thermometer rose to 60° or slightly above it in many parts of Great Britain.

WIND

S. or SE. over Western Europe as a whole and fresh in force on several parts of our own western coasts, but E. over the eastern parts of the Channel
N. (NE. to NW.) over the greater part of Sweden; Variable in Denmark.

WEATHER

Cloudy or dull in most parts of our Islands and France, with rain or passing showers at several of our own western and southern stations, as well as at Paris.
Fair on the southeast coast of England, and also in many parts of Scandinavia, Denmark and Germany.
Since yesterday morning rain has fallen in the west and north of our Islands generally. Solar halos were seen yesterday at Wick, Oxford, and Jersey. Thunder occurred at Wick and Orient, and lightning at Biarritz.

SEA

Slight or smooth generally.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

For the 24 hours ending at NOON on 6 JUNE 1898

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

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29.88	53	49	S	6	o	3
Sumburgh Head	29.66	50	50	SE	3	o	6
Stornoway	29.61	52	49	WSW	3	c	3
Aberdeen	29.65	55	51	SSE	3	bc	2
Shields	29.76	61	53	SW	3	c	2
Ardrossan	29.69	56	53	S	3	o	2
Malin Head ...	29.66	54	53	ESE	3	c	1
Belmullet	29.69	55	52	SSW	1	o	*
Holyhead	29.82	54	52	SW	4	cpd	3
Valencia	29.73	55	52	SSW	3	o	4
Scilly	29.87	61	57	S	3	c	1
Jersey	29.98	59	54	NE	2	c	2
Hurst Castle ...	29.95	59	56	SW	3	cp	3
Dungeness ...	29.97	58	54	SW	3	bc	2
North Foreland	29.97	62	58	S	4	bc	3
London (Westminster)	29.93	60	53	SW	3	o	*
Yarmouth ...	29.91	60	55	SW	3	c	3
Rochefort ...	29.95	79	72	E	1	b	*

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

Weather in morning cloudy or dull in most parts of our Islands, with rain at several of our southern stations, and also at Sumburgh Head. Fine over the greater part of the Continent, but dull in the south of Sweden, with rain at Stockholm. Rain falling also at Turin and Lyons. Showers falling late in the west and north of our Islands generally, with thunder at Wick. Thunder also heard at Lorient, and lightning seen at Biarritz. Solar halos occurring at Wick, Oxford, and Jersey.

Temperature risen slightly in our Islands, France, and Norway, fallen in most other countries. Morning readings highest 77° at Athens, 75° at Patras and Constantinople, and 72° at Brindisi, above 60° over southern and southeastern Europe generally. Lowest (1) 37° at Archangel and 49° at Hernösand; (2) 48° at Sumburgh Head and Stornoway; (3) 48° at Westerdeen and 50° at Belfast. Rising during day to 60° or slightly above it in many parts of Great Britain; exceeding 70° over the southern parts of France, but reaching 84° at Biarritz.

Wind light to moderate from the SW^{ly} over the greater part of our Islands the Netherlands and North Germany; E^{ly} or SE^{ly} at most of the Scandinavian stations, but NW^{ly} over the Skaga Rack. NE^{ly} over the northern parts of Russia, but NW^{ly} in the south of that country and also in Austria. Variable in Italy; E^{ly} or NE^{ly} over Spain and the west and south of France. Subsequently backing to the S^{ly} on our extreme southwest coasts; no important change occurring elsewhere.

Barometer highest 30·3 in: and upwards in an anticyclone lying over the extreme north of Russia; 30·1 in: and upwards in another system over Germany, Switzerland, the east of France and northern Italy. Lowest 29·6 in: and less, in a shallow depression off the northwest of Scotland; 29·8 in: and less, in another shallow area over the extreme south of Russia. Depression off Scotch coasts subsequently moving northwards, but new disturbance approaching the southwest of our Islands.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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DAILY WEATHER REPORT

for 8 a.m. on Monday, 6th June, 1898.

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

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)								PAST 24 HOURS.				
		Barom.	Temp.	Wind.		Weather	Barometer.		Temperature.			Wind.		Weather.	Sea (0 to 9.)	Weather.	Hours of Bright Sunshine.	Temp.		Rainfall.
		At 32° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)		At 32° Fahr. and M. S. L.	Change since Yesterday.	Dry Bulb.	Wet Bulb.	Change since Yesterday.	Direc.	Force (0 to 12.)					Max.	Min.	
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
Scandinavia.	Haparanda ...	30·25	59	NW	0	b	30·25	-·05	60	50	+ 2	NW	0	b	*	b	*	68	45	-
	Hernösand ...	30·22	53	NW	0	bc	30·26	+·10	58	49	+ 8	NE	4	bc	*	bc	*	63	45	-
	Stockholm ...	30·19	53	N	2	o	30·23	+·15	59	52	+ 7	E	2	bc	*	c	*	59	48	0·04
	Wisby	30·16	49	NNE	4	f	30·17	+·07	49	48	+ 1	NNE	4	b	*	f	*	54	45	-
	Karlstad ...	30·16	58	WSW	2	b	30·22	+·10	56	53	+ 5	NE	2	c	*	b	*	*	*	-
	Bodö	30·18	56	NW	0	b	30·25	+·11	53	50	- 9	NW	0	bc	0	b	*	68	48	-
	Christiansund ...	30·19	57	N	1	b	30·20	+·18	59	51	+ 3	E	1	b	2	b	*	61	52	-
	Skudesnaes ...	30·14	52	S	4	m	30·16	+·06	56	52	+ 5	E	4	b	2	m	*	56	46	*
	Færder (Christiania Fjord)	30·17	56	W	1	b	30·21	+·09	53	51	+ 1	NNE	2	m	1	b	*	57	50	-
	Skagen (The Scaw)	30·18	53	NE	1	m	30·19	+·06	55	54	+ 3	ENE	1	m	0	m	*	64	50	-
	Fanö	30·09	57	ENE	4	c	30·07	-·02	58	53	+ 4	E	4	b	*	c	*	75	54	-
British Islands.	Sumburgh Head	29·92	53	ESE	2	b	29·96	+·14	51	50	+ 1	SE	2	o	4	b	*	55	46	-
	Stornoway ...	29·77	56	ESE	2	o	29·67	-·05	54	53	+ 3	E	4	r	4	c.o	6·3	58	49	0·06
	Wick	29·87	54	S	3	bc	29·85	+·04	52	50	- 2	S	3	o	2	bc	*	57	47	-
	Nairn	29·82	60	E	2	c	29·76	-·01	59	52	+ 1	E	3	c	1	c	*	65	49	-
	Aberdeen ...	29·91	51	SE	2	og	29·84	-·01	54	52	+ 1	SSE	3	c	3	c.og	7·9	58	47	-
	Leith	29·82	57	S	1	o	29·73	-·10	61	56	+ 6	NW	0	om	*	o	*	61	52	-
	Shields	29·86	53	SSE	3	o	29·80	-·08	57	52	+ 1	ESE	3	cm	2	o	*	56	48	-
	Spurn Head ...	29·83	53	ESE	4	c	29·81	-·07	56	54	+ 2	ESE	3	c	3	c	*	57	52	-
	York	29·84	61	ESE	1	c	29·80	-·08	63	57	+ 7	SE	1	bc	*	c	3·3	64	49	-
	Loughborough ...	29·90	65	SE	2	c	29·79	-·09	63	58	+ 8	SE	3	cmru	*	op.c	*	70	50	0·01
	Ardrossan ...	29·76	57	E	2	om	29·65	-·16	57	56	+ 5	E	2	rm	2	om	*	57	51	0·13
	Malin Head ...	29·61	55	SSE	5	o	29·51	-·17	54	54	+ 2	SSE	5	r	2	c.or	*	56	50	0·21
	Belmullet ...	29·55	56	SE	4	r	29·56	-·07	53	50	- 1	NW	3	c	*	r	*	58	47	0·04
	Donaghadee ...	29·74	54	SE	4	c	29·61	-·17	52	52	0	SSE	5	o	3	c	*	57	50	0·42
	Liverpool (Bidston)	29·75	63	ESE	1	o	29·69	-·15	59	55	+ 4	ESE	3	o	3	op	*	64	53	-
	Holyhead ...	29·74	60	S	2	bc	29·62	-·18	57	56	+ 5	SSE	4	gmr	3	bc	*	63	51	0·15
	Parsonstown ...	29·59	57	SE	2	o	29·54	-·14	55	54	+ 3	SW	1	or	*	op.r	0·2	59	51	0·35
	Valencia ...	29·47	56	SSE	4	rm	29·61	+·07	53	50	- 1	NNW	2	o	3	orm	0·0	57	51	0·54
	Roche's Point ..	29·56	53	S	6	r	29·60	-·05	54	53	+ 2	NNW	3	rm	4	rf	*	54	51	0·75
	Pembroke (St. Ann's Hd.)	29·72	55	SSE	4	o	29·61	-·14	54	54	+ 1	SSW	4	zf	4	c.o	6·5	57	52	0·38
	Scilly	29·64	56	SE	5	r	29·65	-·04	55	55	+ 1	SW	3	f	4	r	1·3	62	52	0·57
	Prawle Point ...	29·80	56	SSE	2	bc	29·71	-·08	54	54	0	SSW	4	or	3	c.r	*	58	51	0·23
	Jersey (St. Aubin's)	29·81	64	SSE	2	b	29·80	-·04	60	59	0	SSE	2	cp	2	c.p	*	66	57	0·10
	Hurst Castle ...	29·84	61	SW	1	b	29·80	-·05	58	57	- 1	SSW	1	rm	2	b	*	64	55	0·05
	Dungeness ...	29·84	58	SW	1	b	29·84	·00	60	57	+ 1	SSE	3	c	2	c.b	*	64	53	-
	North Foreland	29·87	60	SE	3	bc	29·88	-·01	59	56	0	SE	2	bc	1	bc	*	67	52	-
	London (Brixton) ...	29·82	69	SSW	2	b	29·82	-·04	70	62	+ 9	S	2	c	*	bc.bv	3·8	75	50	-
	Oxford	29·84	62	S	1	b	29·80	-·05	59	58	+ 5	S	2	r	*	p.b	*	70	53	0·01
	Cambridge ...	29·82	68	E	2	b	29·83	-·05	66	63	+ 6	ESE	1	ow	*	c.b	2·5	73	47	-
	Yarmouth ...	29·87	58	ESE	4	c	29·90	-·01	57	54	+ 2	SSE	3	b	2	c	*	60	51	-
Germany & Holland.	Cuxhaven ...	30·04	59	E	3	b	29·99	-·08	56	56	+ 1	ESE	4	b	*	b	*	64	52	-
	Berlin	30·08	66	ESE	4	c	30·05	-·07	63	55	0	E	2	b	*	c	*	75	55	-
	Wiesbaden ...	*	*	*	*	*	30·00	-·03	61	59	+ 2	SW	1	o	*	*	*	73	57	0·47
	Munich	30·04	60	NE	3	c	30·10	-·01	59	57	+ 2	SE	4	c	*	c	*	70	54	0·24
	The Helder ...	29·91	64	W	0	b	29·92	-·04	68	61	+ 11	W	0	b	1	b	*	68	54	-
France & Belgium.	Brussels ...	*	*	*	*	*	29·93	-·02	68	62	+ 5	SSE	1	b	*	o	*	73	53	-
	Cape Gris Nez...	?	66	W	0	c	?	?	66	60	+ 7	S	2	b	1	c	*	75	55	-
	Paris	29·92	62	SE	1	bc	29·93	·00	62	59	+ 9	SE	1	b	*	bc	*	70	50	0·35
	Brest	29·77	60	S	3	b	29·75	-·02	55	55	0	SSW	3	f	4	b	*	61	54	0·51
	Lorient... ...	29·80	62	SSW	2	b	29·80	-·02	59	59	+ 2	SSW	4	c	4	b	*	72	57	0·08
	Rochefort ...	29·83	69	W	3	b	29·90	+·03	63	62	- 1	S	2	o	*	o,b	*	81	57	-
	Belfort	29·99	58	NNE	1	r	29·98	·00	59	58	+ 1	N	1	f	*	r	*	73	51	0·04
	Lyons	29·98	63	SSE	1	c	30·01	+·02	61	55	- 2	SSE	1	b	*	c	*	76	52	0·08
	Nice	30·05	64	S	1	bc	30·02	-·06	65	57	- 1	E	2	b	1	bc	*	72	55	-
	Perpignan ...	29·90	69	NE	2	b	30·02	+·04	63	60	+ 3	NE	2	o	*	b	*	72	59	-
	Biarritz ...	29·86	66	NNW	3	bc	29·88	+·10	73	64	+ 12	SSW	3	b	1	bc,tl	*	72	61	-
Penin-sula.	Corunna ...	30·03	63	SSW	5	o	30·07	+·12	63	62	- 1	SSW	4	o	*	o	*	68	63	0·08
	Lisbon	29·85	63	NE	2	c	29·91	+·19	63	59	- 1	NNE	3	bc	3	c	*	72	59	-
	Azores (P. Delgada)																			

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

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

Bright Sunshine yesterday Southport 0·7 hrs;

WEATHER CHARTS

FOR Monday, 6th June, 1898

BAROMETER, WIND AND SEA.

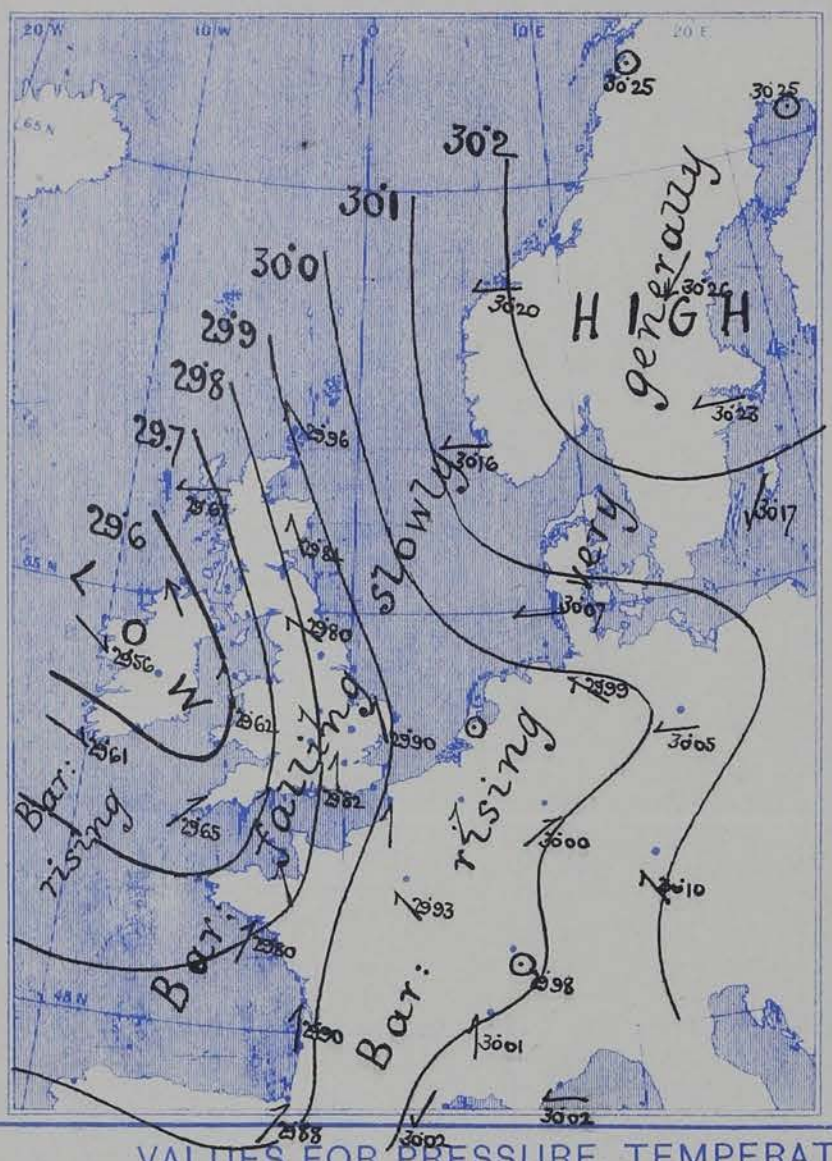
BAROMETER—Isobars are drawn for each tenth of an inch.

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

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

Force 8 to 10 ⟶ ;

SEA—Rough ≡ ; *High* ▬

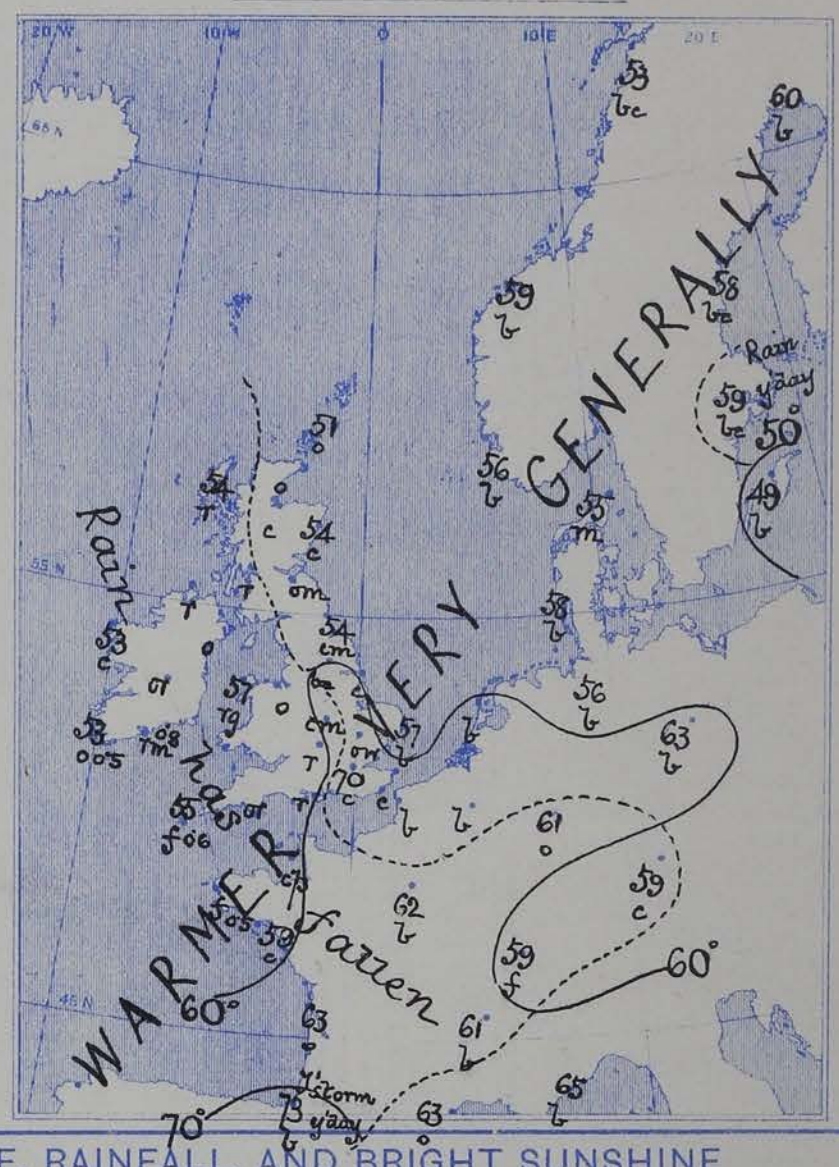


TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

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



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

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of				Absolute Extremes.				RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95.	
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum	Years.	Minimum.	Years		Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29 · 898	50 · 5	48 · 7	54 6	45 · 0	70	1891	33	1888	1 · 93	—	—
Stornoway	29 · 894	53 · 4	51 · 4	58 · 2	46 0	76	1893	31	1888	2 · 76	185 · 1	35
Wick	29 · 916	53 · 4	50 · 8	58 9	45 · 5	79	1878	30	1881	1 75	—	—
Nairn	29 · 917	54 · 4	51 · 0	62 · 3	47 3	86	1876	30	1888	1 73	—	—
Aberdeen	29 · 933	54 · 8	50 · 8	61 · 0	47 · 2	80	1881, 87	30	1888	1 · 80	196 · 5	37
Leith	29 · 943	55 · 9	52 3	63 9	48 0	86	1887	34	1886	1 79	—	—
Shields	29 · 959	54 9	51 · 8	60 6	48 5	76	1878, 84	37	1881, 86, 95	1 · 71	—	—
Spurn Head	29 971	55 · 3	52 · 8	60 · 3	51 · 1	80*	1885	34*	1881	1 · 64	—	—
York	29 · 979	56 · 1	52 · 7	66 2	48 4	88	1878	35	1894	2 21	173 · 0	34
Loughborough	29 · 991	57 · 7	53 8	68 6	48 8	86*	1893	32*	1895	2 · 20	—	—
Ardrossan	29 · 944	55 · 3	52 3	62 1	49 · 4	85	1878	36	1890	2 32	—	—
Malin Head	29 · 934	53 · 6	51 · 2	59 0	50 · 8	—	—	—	—	—	—	—
Belmullet	29 · 953	56 · 2	53 · 2	60 · 8	51 · 4	—	—	—	—	2 · 85	—	—
Donaghadee	29 · 959	55 · 1	53 0	61 5	49 7	77	1887	36	1880	2 · 03	—	—
Holyhead	29 · 976	55 · 9	53 4	61 7	51 · 3	83	1878	42	1882	1 97	—	—
Liverpool	29 976	57 · 0	52 8	64 · 0	51 · 1	85	1878, 93	38	1872	1 99	—	—
Parsonstown	29 981	56 · 2	52 · 9	64 · 9	48 · 5	85	1887	32	1881	2 · 34	173 · 7	35
Valencia	29 · 984	57 · 4	54 · 5	62 5	51 · 2	81	1887	40	1875, 80, 82	3 · 34	203 · 4	41
Roche's Point	29 · 983	57 · 0	53 · 8	64 · 3	51 · 3	80	1876, 87	41	1881	3 07	—	—
Pembroke	29 · 983	55 · 4	53 · 4	60 · 5	51 6	79	1893	38	1888	1 · 88	234 · 7	48
Scilly	30 002	57 · 5	55 · 3	61 · 5	53 · 2	75	1893	41	1888	1 · 76	—	—
Prawle Point	30 · 010	57 · 1	54 7	61 · 7	50 · 7	79*	1887	39*	1881	1 59	—	—
Jersey	30 · 019	59 · 0	55 · 9	64 · 9	52 · 8	87	1872	39	1890	1 · 86	243 · 1	51
Hurst Castle	30 · 007	57 · 9	55 · 7	64 6	52 · 0	84	1893	38	1881	1 83	—	—
Dover	29 · 989	58 · 2	55 · 0	63 · 0	52 · 3	77	1878	37	1890, 91, 92, 93	1 · 52	—	—
LONDON	30 001	58 · 9	54 · 6	69 · 2	50 · 6	91	1878	35	1880	1 · 99	167 · 4†	34†
Oxford	29 · 996	56 · 8	53 · 3	67 · 1	49 9	86	1876, 93	35	1892, 93	2 · 11	192 · 1	39
Cambridge	29 · 904	58 · 1	54 · 7	68 · 8	48 · 4	88	1888, 93	33	1892	2 · 14	195 · 3	40
Yarmouth	29 · 983	56 · 8	54 · 0	61 · 9	51 0	81	1877, 88	40	1892	1 · 86	—	—

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

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·2 in: and upwards in an anticyclone lying over Scandinavia; 30·1 in: and upwards over South Germany; 30·0 in: and upwards over the southern parts of the Spanish Peninsula.
Lowest, 29·6 in: and less, in a "V shaped" depression with its centre over the northwest of Ireland.
Gradients moderate over Great Britain, but slight elsewhere.
Barometer rising on our extreme west and southwest coasts and also over France and Scandinavia, falling in most other localities.

TEMPERATURE

Highest, 73° at Biarritz, 70° in London, 68° at the Helder and Brussels, 66° at Cambridge, and 65° at Nice.
Lowest, 49° at Wisby, 51° at Lumbugh Head, 52° at Wick and Donaghadee, and 53° at Bodö, Faroes, Belmullet, and Valencia (Ireland).
During yesterday the thermometer rose to 65° at Nairn, to 70° and upwards over the inland parts of England, and to 75° in London.

WIND

Light to moderate from the S^wd over the south of England and the north and west of France, and from the SE^ly over the northern parts of our Islands, but NW^ly in the west and south of Ireland.
NE^ly in Sweden; E^ly in Norway, Denmark, Germany, and the extreme south of France.

WEATHER

Dull in all the more western parts of the United Kingdom, with rain in many places, and fog at the mouths of the English and British Islands.
Fair or fine on our east and southeast coasts, as well as at most of the Continental stations.
Since yesterday, morning considerable quantities of rain have fallen at some of our western stations, and in some parts of France and Germany.
A thunderstorm has occurred at Biarritz.

SEA

Moderate on our southwestern and extreme northern coasts, but slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression over Ireland seems likely to move slowly in a northerly or northwesterly direction. Small secondary systems are, however, advancing over England, and rainy weather is probable in most parts of Great Britain, with thunder in places.

FORECASTS

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

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	SE^ly winds, moderate or fresh; cloudy, some rain.
1	SCOTLAND EAST	
2	ENGLAND N.E.	SE^ly to S^ly winds, light; fair at first, some rain later, possibly thunder.
3	ENGLAND EAST	S^ly to SW^ly winds, moderate; dull and rainy at first, with thunder locally, improving later.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	SE^ly to S^ly winds, moderate; dull, rainy.
7	ENGLAND N.W.	
8	ENGLAND S.W.	SW^ly to W^ly or NW^ly winds, moderate; unsettled, rain at times, thunder locally.
9	IRELAND NORTH	Same as Nos 6 and 7.
10	IRELAND SOUTH	NW^ly winds, backing later, unsettled, rain at times.
	WARNINGS	NONE ISSUED.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	?30.12	56	53	S	6	m	4
Sumburgh Head							
Stornoway	29.76	58	54	SE	2	cp	2
Aberdeen							
Shields							
Ardrossan							
Malin Head ...	29.66	55	53	SSE	5	c	3
Belmullet	29.60	54	52	SSE	4	r	*
Holyhead							
Valencia							
Scilly							
Jersey	29.85	63	54	SE	3	c	3
Hurst Castle ...							
Dungeness ...	29.84	61	57	S	1	c	0
North Foreland	29.87	61	57	SE	3	bc	2
London (Westminster)							*
Yarmouth ...							
Rochefort ...	29.87	68	66	S	3	0	*

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

Continental Information not received.

SUMMARY OF CHANGES IN THE WEATHER OVER EUROPE FROM THE 29TH MAY TO THE 4TH JUNE 1898.

Shortly after the commencement of this week the anticyclone which had previously advanced over our Islands from the westward receded again over the Atlantic, while a depression moved southeastwards over Norway, the latter system being eventually forced away to the northward by a new high pressure area which gradually formed over northern Europe.

On May 31st however, a well marked secondary disturbance was developed over the southern part of the North Sea; its centre moving first in a northeasterly direction to the Danish coast, and afterwards in a northerly and northwesterly direction along the south and west of Norway. The progress of the depression was attended by very strong NW to W winds over the greater part of our Islands, with a gale in the extreme northwest, and by cold wet weather over Western Europe generally, the maximum temperatures recorded between May 31st and June 1st being below 60° in nearly all places. Snow or sleet fell in many parts of our Islands on June 1st, even as far south as Oxford.

As the depression passed away to the northward a rather decided improvement in the weather took place, but in the more northern parts of our Islands and the Continent this proved merely temporary. In this country the conditions were affected by a shallow disturbance which appeared off the northwest of Scotland, and which spread gradually southward, while over northern Europe they were influenced by another shallow disturbance which was formed over North Germany on the night of June 2nd, and which afterwards moved northwards to Scandinavia. Rain was therefore experienced in the west and north of our Islands, and also over the northern and central parts of the Continent, but temperature was inclined to rise generally.

Over southern Europe the week was almost continuously fine and warm, but on May 29th, when shallow depressions appeared over the Adriatic and Mediterranean, heavy rain was experienced in many parts of Italy.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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DAILY WEATHER REPORT

for 8 a.m. on Tuesday 7th June, 1898.

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

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)									PAST 24 HOURS.				
		Barom.	Temp.	Wind.		Weather	Barometer.		Temperature.			Wind.		Weather.	Sea (0 to 9.)	Weather.	Hours of Bright Sunshine.	Temp.		Rainfall.
		At 32° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)		At 32° Fahr. and M. S. L.	Change since Yesterday.	Dry Bulb.	Wet Bulb.	Change since Yesterday.	Direc.	Force (0 to 12.)					Max.	Min.	
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
Scandinavia.	Haparanda ...	30·22	53	S	2	b	30·19	−·06	54	50	− 6	SSW	2	bc	*	b	*	68	45	—
	Hernösand ...	30·23	52	2	0	b	30·25	−·01	56	51	− 2	S	4	b	*	b	*	66	43	—
	Stockholm ...	30·25	57	ESE	2	b	30·28	+·05	62	54	+ 3	E	4	b	*	b	*	64	50	—
	Wisby	30·20	54	SSE	4	b	30·25	+·08	57	52	+ 8	NE	4	bc	*	b	*	68	45	—
	Karlstad ...	30·20	61	E	2	c	30·24	+·02	59	53	+ 3	E	2	b	*	c	*	*	*	—
	Bodö	30·25	55	2	0	b	30·23	−·02	57	50	+ 4	2	0	b	0	b	*	63	48	—
	Christiansund ...	30·18	64	N	1	b	30·17	−·03	60	52	+ 1	N	1	b	1	b	*	66	54	—
	Skudesnaes ...	30·10	60	E	5	b	30·11	−·05	63	55	+ 7	ENE	2	b	1	b	*	66	48	*
	Færder (Christiania Fjord)	30·16	62	2	0	c	30·21	·00	59	55	+ 6	NNE	2	b	1	c	*	64	54	—
	Skagen (The Scaw)	30·14	59	ENE	1	b	30·19	·00	58	57	+ 3	SE	1	b	0	b	*	68	55	—
	Fanö	30·05	60	E	5	b	30·04	−·03	59	55	+ 1	E	5	c	*	b	*	73	53	—
	Sumburgh Head	29·90	52	ESE	5	bc	29·89	−·07	50	50	− 1	ESE	4	r	6	bc	*	55	48	—
	Stornoway ...	29·61	54	S	3	r	29·83	+·16	51	50	− 3	WSW	3	c	3	r	0·0	56	48	0·25
	Wick	29·77	52	S	4	o	29·85	·00	52	51	0	NW	3	o	2	o,r	*	57	49	0·20
	Nairn	29·66	62	E	2	c	29·86	+·10	56	52	− 3	W	2	c	1	c	*	64	50	0·02
	Aberdeen ...	29·78	51	SE	4	ogq	29·85	+·01	58	55	+ 4	SSE	3	bc	3	cq,ogq,r	3·7	60	49	0·32
British Islands.	Leith	29·69	62	SW	2	c	29·90	+·17	59	54	− 2	W	2	b	*	c	*	68	51	0·19
	Shields	29·75	58	ESE	3	p	29·91	+·11	58	55	+ 4	SW	3	c	2	op,tr	*	61	49	0·35
	Spurn Head ...	29·78	55	SE	3	c	29·96	+·15	56	55	0	W	2	b	3	c,tr,o	*	60	53	0·11
	York	29·76	63	SE	1	opt	29·96	+·16	58	56	− 5	W	1	b	*	c,tp,o	3·9	71	48	0·04
	Loughborough ...	29·79	68	SSW	2	bc	30·00	+·21	58	53	− 5	W	2	bw	*	or,op,b	*	68	50	0·11
	Ardrossan ...	29·67	57	2	0	om	29·92	+·27	56	55	− 1	S	1	bm	1	om	*	58	47	0·27
	Malin Head ...	29·67	52	W	4	bc	29·85	+·34	56	53	+ 2	SE	3	b	2	bc	*	57	46	0·05
	Belmullet ...	29·72	55	WSW	3	b	29·82	+·26	54	51	+ 1	SSW	3	o	*	bc,b	*	57	46	0·03
	Donaghadee ...	29·70	57	W	3	p	29·93	+·32	55	53	+ 3	SE	4	bc	2	p	*	60	48	0·48
	Liverpool (Bidston)	29·76	62	SW	2	bc	29·98	+·29	58	52	− 1	WSW	1	b	2	p,bc	*	65	50	?
	Holyhead ...	29·74	54	SW	4	c	29·96	+·24	55	53	− 2	SW	3	c	2	df,c	*	58	49	0·04
	Parsonstown ...	29·73	59	2	0	b	29·90	+·36	58	53	+ 3	SE	2	bc	*	c,b	3·3	61	44	—
	Valencia ...	29·77	57	SSW	3	bcf	29·82	+·21	56	54	+ 3	S	5	cp	4	bc,bf	9·7	59	51	0·05
	Roche's Point ..	29·78	56	WSW	5	b	29·91	+·31	55	53	+ 1	SW	4	cp	4	p,b	*	58	50	0·18
	Pembroke (St. Ann's Hd.)	29·80	52	WSW	4	b	29·99	+·38	55	53	+ 1	SSW	4	b	4	b	5·1	55	51	—
	Scilly	29·87	57	W	3	c	29·97	+·32	59	56	+ 4	SSW	3	cw	2	of,c	7·7	61	54	0·01
	Prawle Point ...	29·87	54	SW	3	bc	30·04	+·33	54	53	0	S	2	bf	2	f2,bc	*	58	52	0·01
	Jersey (St. Aubin's)	29·91	59	WNW	3	cpgm	30·05	+·25	57	55	− 3	WNW	3	c	3	b,cpgm	*	66	54	0·23
	Hurst Castle ...	29·87	55	SW	3	f	30·04	+·24	55	53	− 3	2	0	om	0	pd,om,f	*	60	53	—
	Dungeness ...	29·85	62	WSW	2	o	30·03	+·19	58	55	− 2	WSW	3	c	1	cd,o	*	65	57	—
	North Foreland	29·89	61	S	2	c	30·02	+·14	60	57	+ 1	SW	2	bc	2	o,c	*	68	54	—
	London (Brixton) ...	29·85	65	SW	2	c	30·03	+·21	60	54	− 10	SW	2	bc	*	ort,c,b	3·2 †	71	52	0·11
	Oxford	29·86	62	WSW	1	b	30·03	+·23	57	53	− 2	SW	2	b	*	r,c,b	*	66	48	0·10
	Cambridge ...	29·84	66	SW	3	c	30·01	+·16	58	56	− 8	W	2	bc	*	rt,c	7·4	73	50	0·14
	Yarmouth ...	29·85	58	SSE	3	ortg	29·97	+·07	62	59	+ 5	W	2	b	2	b,trg	*	62	54	0·07
Germany & Holland.	Cuxhaven ...	29·97	65	E	4	c	29·99	·00	59	58	+ 3	ESE	3	c	*	c	*	68	54	—
	Berlin	30·01	68	E	2	b	30·04	−·01	62	55	− 1	E	3	b	*	b	*	79	55	—
	Wiesbaden ...	*	*	*	*	*	30·02	+·02	63	61	+ 2	SW	1	o	*	*	*	73	61	—
	Munich	30·06	60	2	0	bc	30·12	+·02	62	58	+ 3	W	4	c	*	bc	*	68	50	0·16
	The Helder ...	29·89	63	ENE	1	bc	29·96	+·04	60	58	− 8	2	0	c	1	bc	*	72	57	0·24
Belgium.	Brussels ...	*	*	*	*	*	30·02	+·09	63	59	− 5	WNW	2	o	*	t	*	79	58	—
	Cape Gris Nez ...	?	63	SW	1	o	?	?	54	53	− 12	W	2	m	2	o	*	75	50	—
	Paris	29·89	66	SE	1	bc	30·06	+·13	60	59	− 2	NNE	1	o	*	bc	*	80	57	0·39
	Brest	29·93	59	SW	2	o	30·03	+·28	55	54	0	NW	1	o	1	o	*	61	50	—
	Lorient	29·97	59	SW	3	o	30·06	+·26	54	53	− 5	E	1	m	2	o	*	72	52	0·04
France &	Rochefort ...	30·00	66	W	3	bc	30·07	+·17	62	60	− 1	E	2	o	*	bc	*	77	59	—
	Belfort	29·95	72	W	2	c	30·09	+·21	64	60	+ 5	W	3	c	*	c	*	76	58	—
	Lyons	29·95	75	SW	1	o	30·06	+·05	66	62	+ 5	N	1	b	*	o	*	82	58	0·04
	Nice	29·99	68	SW	4	b	30·04	+·02	66	59	+ 1	2	o	b	0	b	*	75	57	—
	Perpignan ...	30·01	69	SE	2	b	30·04	+·02	66	63	+ 3	2	o	b	*	b	*	74	53	—
	Biarritz ...	29·95	67	NW	3	c	29·98	+·10	63	63	− 10	NNE	3	o	2	c	*	75	61	
Penin-sula.	Corunna ...																*			
	Lisbon	30·00	62	NW	2	b	30·02	−·05	?	62	?	E	3	o	*	c	*	68	61	0·04
	Azores (P. Delgada)	30·07	65	WSW	3	c	29·97	+·06	63	60	0	2	o	c	2	b	*	70	59	—

For Explanation of Columns, see bottom of last page.

† The corresponding value in yesterday's report should have been 4·5 hrs:

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

Bright Sunshine yesterday Southport 2·5 hrs;

WEATHER CHARTS

FOR Tuesday, 7th June, 1898

BAROMETER, WIND AND SEA.

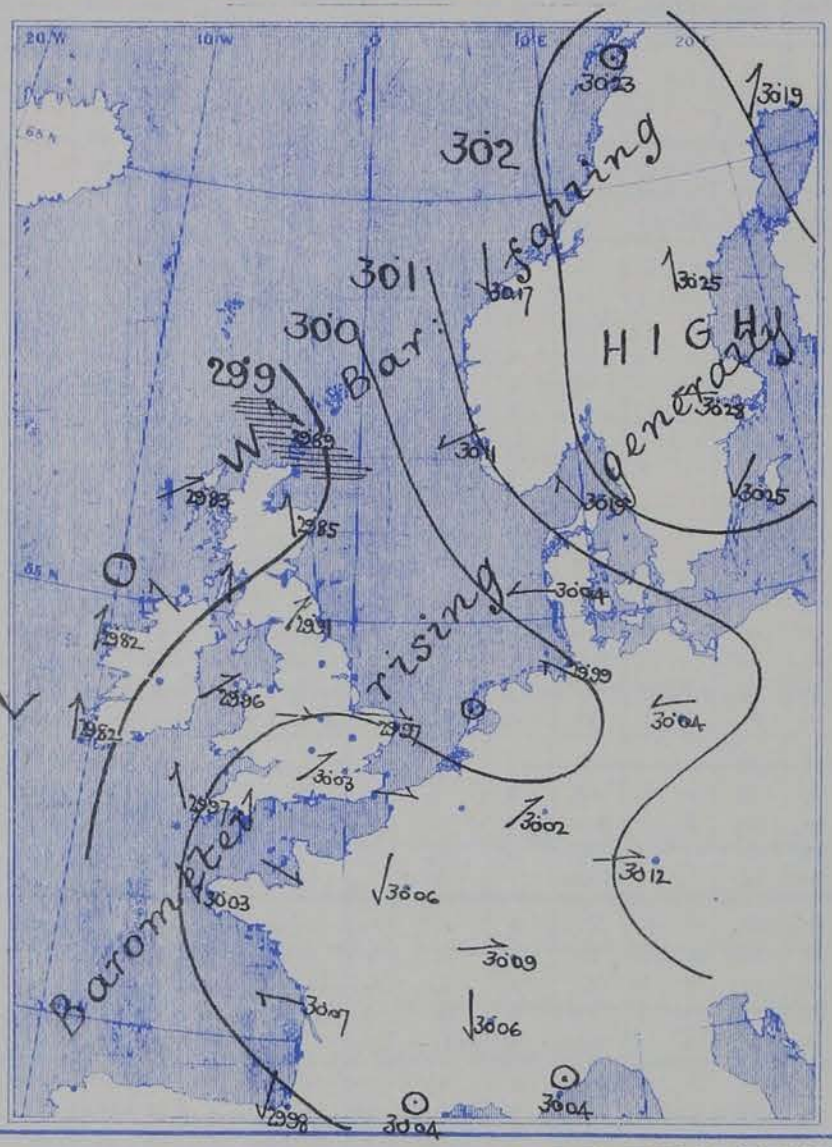
BAROMETER—Isobars are drawn for each tenth of an inch.

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

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

Force 8 to 10 ⟫⟶ ; Force 1 to 4 ⟶ ; }

SEA—Rough ▤ ; High ▩



TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

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

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

STATIONS.	PRESSURE AT 8 A.M.	TEMPERATURE OF AIR 1871-95.								RAINFALL.	BRIGHT SUNSHINE.	
		Means of				Absolute Extremes.					Means. 1881—95.	
	Means, 1871—95.	Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum	Years.	Minimum.	Years	Means. 1866—95.	Hours.	Per cent. of possible.
	(*Inches.*)	°	°	°	°	°		°		(*Inches.*)		
Sumburgh Head	29·898	50·5	48·7	54·6	45·0	70	1891	33	1888	1·93	—	—
Stornoway	29·894	53·4	51·4	58·2	46·0	76	1893	31	1888	2·76	185·1	35
Wick	29·916	53·4	50·8	58·9	45·5	79	1878	30	1881	1·75	—	—
Nairn	29·917	54·4	51·0	62·3	47·3	86	1876	30	1888	1·73	—	—
Aberdeen	29·933	54·8	50·8	61·0	47·2	80	1881, 87	30	1888	1·80	196·5	37
Leith	29·943	55·9	52·3	63·9	48·0	86	1887	34	1886	1·79	—	—
Shields	29·959	54·9	51·8	60·6	48·5	76	1878, 84	37	1881, 86, 95	1·71	—	—
Spurn Head	29·971	55·3	52·8	60·3	51·1	80*	1885	34*	1881	1·64	—	—
York	29·979	56·1	52·7	66·2	48·4	88	1878	35	1894	2·21	173·0	34
Loughborough	29·991	57·7	53·8	68·6	48·8	86*	1893	32*	1895	2·20	—	—
Ardrossan	29·944	55·3	52·3	62·1	49·4	85	1878	36	1890	2·32	—	—
Malin Head	29·934	53·6	51·2	59·0	50·8	—	—	—	—	—	—	—
Belmullet	29·953	56·2	53·2	60·8	51·4	—	—	—	—	2·85	—	—
Donaghadee	29·959	55·1	53·0	61·5	49·7	77	1887	36	1880	2·03	—	—
Holyhead	29·976	55·9	53·4	61·7	51·3	83	1878	42	1882	1·97	—	—
Liverpool	29·976	57·0	52·8	64·0	51·1	85	1878, 93	38	1872	1·99	—	—
Parsonstown	29·981	56·2	52·9	64·9	48·5	85	1887	32	1881	2·34	173·7	35
Valencia	29·984	57·4	54·5	62·5	51·2	81	1887	40	1875, 80, 82	3·34	203·4	41
Roche's Point	29·983	57·0	53·8	64·3	51·3	80	1876, 87	41	1881	3·07	—	—
Pembroke	29·983	55·4	53·4	60·5	51·6	79	1893	38	1888	1·88	234·7	48
Scilly	30·002	57·5	55·3	61·5	53·2	75	1893	41	1888	1·76	—	—
Prawle Point	30·010	57·1	54·7	61·7	50·7	79*	1887	39*	1881	1·59	—	—
Jersey	30·019	59·0	55·9	64·9	52·8	87	1872	39	1890	1·86	243·1	51
Hurst Castle	30·007	57·9	55·7	64·6	52·0	84	1893	38	1881	1·83	—	—
Dover	29·989	58·2	55·0	63·0	52·3	77	1878	37	1890, 91, 92, 93	1·52	—	—
LONDON	30·001	58·9	54·6	69·2	50·6	91	1878	35	1880	1·99	167·4+	34+
Oxford	29·996	56·8	53·3	67·1	49·9	86	1876, 93	35	1892, 93	2·11	192·1	39
Cambridge	29·994	58·1	54·7	68·8	48·4	88	1888, 93	33	1892	2·14	195·3	40
Yarmouth	29·983	56·8	54·0	61·9	51·0	81	1877, 88	40	1892	1·86	—	—

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

+ The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.2 ins. and more to 30.1 ins. over Scandinavia, and exceeding 30.0 ins. over France, the Channel and the south of England.
Lowest. About 29.8 ins. off our extreme W^rn coasts, and below 30.0 ins. over the W. and S^rn. parts of the North Sea.
Gradients slight. Barometer rising all over our Islands and France.

TEMPERATURE

Highest 66° to 60° over the S^rn. and central parts of France, 63° to 62° over Germany, 63° at Skudesnaes, and 60° at the Helder and in London, 59° at Leith.
Lowest 50° at Dunbugh Hd., 51° at Stornoway, 52° at Wick.
The highest of the maxima recorded yesterday were 71° at York and in London, 73° at Cambridge, 80° at Paris, and 82° at Lyons.

WIND

Light in force and very variable in direction (but chiefly from between W. and SW.) over France and England, E^rly and variable over Scandinavia.
In Ireland they were moderate from S. and SE. and at Stornoway from SW.

WEATHER

Cloudy over France, fine over England, the E. of Scotland and over Scandinavia; dull and showery in the W. and S. of Ireland.
Rain fell yesterday in many parts of our Islands, and over England thunderstorms occurred. Bright Sunshine recorded yesterday amounted to 9.7 hrs. at Valencia, (Ireland) to more than 7 hrs. at Scilly and Cambridge, and 5 hrs. at Pembroke and on our SE. coasts.

SEA

Still rough at Dunbugh Hd., moderate on our extreme W. and NW. coasts, slight to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Fine warm weather is probable over Gt. Britain (especially in the E. and S.) today, some further showers over Ireland and the W. of Scotland.

FORECASTS

For the 24 hours ending at NOON on 8^th JUNE. 1898

DISTRICTS.		FORECASTS.	DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	SW^ly to SE^ly winds, freshening; showery.	6	SCOTLAND WEST	S^ly winds, some showers.
1	SCOTLAND EAST		7	ENGLAND N.W.	
2	ENGLAND N.E.	SW^ly winds, light to moderate; fine, warm.	8	ENGLAND S.W.	
3	ENGLAND EAST		9	IRELAND NORTH	S^ly winds, fresh or strong, showery.
4	MIDLAND COUNTIES		10	IRELAND SOUTH	
5	ENGLAND SOUTH			WARNINGS	None issued.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	30·14	66	56	S	3	m	1
Sumburgh Head	29·94	54	52	ESE	5	bc	6
Stornoway	29·61	53	49	ESE	4	r	4
Aberdeen	29·79	53	51	SE	5	cq	5
Shields	29·74	58	55	ESE	3	o	2
Ardrossan	29·62	56	55	SE	2	r	2
Malin Head ...	29·58	52	52	W	4	r	3
Belmullet	29·66	57	52	WSW	2	bc	*
Holyhead	29·68	58	57	SSW	4	cdf	3
Valencia	29·72	59	53	SW	3	bc	4
Scilly	29·77	59	57	SSW	3	of	2
Jersey	29·86	62	61	WNW	3	b	3
Hurst Castle ...	29·84	59	58	SW	3	om	2
Dungeness ...	29·84	62	60	W	0	cd	0
North Foreland	29·85	62	60	SE	1	o	1
London (Westminster)	29·82	67	62	SW	2	o	*
Yarmouth ...	29·86	61	58	SSE	2	b	2
Rochefort ...	29·97	73	70	WNW	3	c	*

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

Weather in morning very fine and bright over N^rn and many parts of S^rn Europe, but dull, close and changeable over the British Islands, with rain at many of the W^rn and S^rn stations. Thunderstorms occurring later over many parts of England, rain at the Scotch and Irish stations, and showers in some parts of France and the Netherlands.

Temperature in morning highest (1) 83° at Algiers, 74° at Brindisi, 73° at Palermo and Biarritz, and 70° locally in London; (2) 66° at Ulcaborg, 61° at Riga, and 59° at Nairn. Changing very jitgully over our Islands later — the maxima recorded being 71° at York and in London, 79° at Berlin, 80° at Paris and 82° at Lyons

Wind (1) S^ly to SE^ly over France, Gt. Britain and the Irish Sea, but NW^ly in the south of Ireland; (2) NE^ly to E^ly over the Baltic and N^rn Europe, light and extremely variable over central and SE^rn Europe and the Mediterranean. Shifting to SW. and NW. over England and France later, continuing SE^ly in Scotland.

Barometer highest 30·3 ins. and more to 30·1 ins. over N^rn Europe and the Baltic, and exceeding 30·0 ins. all over central and SE^rn Europe and the Mediterranean. Lowest below 29·6 ins. in a complex depression over Ireland and the adjacent parts of the Atlantic. Some very shallow local disturbances over France and the SE. of England. Rising decidedly over Ireland, England and France later, falling in Scotland and Norway.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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DAILY WEATHER REPORT

for 8 a.m. on Wednesday, 8th June, 1898.

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

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)								PAST 24 HOURS.				
		Barom.	Temp.	Wind.		Weather	Barometer.		Temperature.			Wind.		Weather.	Sea (0 to 9.)	Weather.	Hours of Bright Sunshine.	Temp.		Rainfall.
		At 32° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)		At 32° Fahr. and M. S. L.	Change since Yesterday.	Dry Bulb.	Wet Bulb.	Change since Yesterday.	Direc.	Force (0 to 12.)					Max.	Min.	
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
Scandinavia	Haparanda ...	30·15	56	NW	0	b	30·10	-·09	59	52	+ 5	NW	0	0	=	b	=	68	54	-
	Hernösand ...	30·23	55	NW	0	bc	30·21	-·04	68	57	+ 12	S	2	bc	=	bc	=	68	45	-
	Stockholm ...	30·28	60	NW	0	b	30·29	+·01	66	56	+ 4	W	0	b	=	b	=	70	46	-
	Wisby	30·26	56	SE	4	b	30·28	+·03	62	54	+ 5	NNE	2	b	=	b	=	68	48	-
	Karlstad ...	30·21	68	S	2	b	30·28	+·04	61	56	+ 2	SSE	2	b	=	b	=	=	=	-
	Bodö	30·24	53	N	2	0	30·28	+·05	51	49	- 6	SE	4	0	1	0	=	61	48	-
	Christiansund ...	30·22	62	ESE	1	b	30·28	+·11	60	54	0	ESE	1	b	0	b	=	68	52	-
	Skudesnaes ...	30·16	57	SE	2	b	30·23	+·12	63	55	0	ENE	4	b	2	c.b	=	63	54	=
	Færder (Christiania Fjord)	30·21	66	W	0	b	30·24	+·06	60	56	+ 1	NE	1	b	1	b	=	66	55	-
	Skagen (The Scaw)	30·20	59	ENE	1	b	30·26	+·07	60	58	+ 2	SE	1	b	0	b	=	68	57	-
	Fanö	30·13	60	E	4	c	30·17	+·13	58	54	- 1	E	3	b	=	c	=	70	52	-
British Islands.	Sumburgh Head	30·00	50	SW	1	f	30·09	+·20	50	50	0	NE	1	f	4	f	=	52	46	0·02
	Stornoway ...	29·93	59	SE	3	b	29·97	+·14	56	52	+ 5	S	3	bc	3	b.bc	13·0	60	49	-
	Wick	30·03	56	NW	1	bc	30·07	+·22	48	47	- 4	S	1	f	2	bc	=	60	48	-
	Nairn	29·96	58	E	1	b	30·05	+·19	50	50	- 6	W	0	m	1	b	=	64	47	-
	Aberdeen ...	30·01	54	NE	3	b	30·08	+·23	53	51	- 5	N	1	o q r	2	bcq.bw	13·8	66	44	-
	Leith	29·96	67	SW	1	b	30·07	+·17	55	52	- 4	W	0	o m	=	b	=	71	50	-
	Shields	30·01	59	SE	2	bc	30·08	+·17	53	52	- 5	WNW	1	m	2	c.bc	=	66	49	-
	Spurn Head ...	30·00	56	SE	3	b	30·08	+·12	58	56	+ 2	SE	2	b	2	b.bw	=	64	52	-
	York	30·00	66	SSW	1	c	30·09	+·13	66	54	- 2	NNW	1	c	=	c	10·3	69	48	-
	Loughborough ...	30·02	67	SSW	1	bc	30·09	+·09	56	52	- 2	W	0	o m w	=	b.bc.cm	=	70	44	-
	Ardrossan ...	29·99	57	SSE	3	b	30·06	+·14	59	55	+ 3	W	0	bcm	1	b	=	63	48	-
	Malin Head ...	29·90	53	S	2	r	29·93	+·08	55	53	- 1	S	5	c	3	r	=	62	49	0·16
	Belmullet ...	29·85	57	SW	3	o	29·92	+·10	57	54	+ 3	SW	3	b	=	bc.o	=	60	50	0·04
	Donaghadee ...	29·98	58	SW	5	bc	30·06	+·13	55	54	0	SSE	5	c	3	bc	=	61	49	-
	Liverpool (Bidston)	30·03	57	NNW	1	c	30·09	+·11	59	55	+ 1	W	0	bc	1	b	=	61	51	-
	Holyhead ...	30·03	55	SW	3	c	30·09	+·13	57	55	+ 2	SW	1	bcm	1	bc.c	=	60	48	-
	Parsonstown ...	29·90	59	SE	2	o	30·01	+·11	59	53	+ 1	SE	1	bc	=	ep.b	6·9	63	49	0·22
	Valencia ...	29·86	57	S	4	o q	30·01	+·19	57	54	+ 1	S	3	c	4	c.oq	7·0	60	53	0·02
	Roche's Point ..	29·95	56	SSW	4	c	30·05	+·14	57	54	+ 2	SSW	3	bc	3	c	=	58	53	-
	Pembroke (St. Ann's Hd.)	30·04	54	SSE	3	b	30·09	+·10	53	52	- 2	WNW	3	o q	3	b	14·1	56	50	-
	Scilly	30·00	58	SSE	3	c	30·07	+·10	59	56	0	SSE	1	c w	1	b, c	13·0	61	53	-
	Prawle Point ...	30·06	52	S	1	f	30·07	+·03	54	53	0	N	2	c	2	f. rf	=	56	50	-
	Jersey (St. Aubin's)	30·04	61	N	2	bc	30·02	-·03	55	55	- 2	NNW	3	o m r	3	bc. o q	=	64	54	0·46
	Hurst Castle ...	30·05	60	SW	1	bcm	30·07	+·03	55	54	0	NE	1	r m	1	bm.bcm	=	61	50	0·05
	Dungeness ...	30·05	57	SSE	2	b	30·03	·00	59	56	+ 1	ENE	3	c	2	b	=	60	51	-
	North Foreland	30·06	60	S	2	b	30·05	+·03	59	58	- 1	N	2	bc	1	b	=	64	52	-
	London (Brixton) ...	30·02	69	SW	3	b	30·07	+·04	63	57	+ 3	SE	1	o q	=	bc. b	10·7	73	49	-
	Oxford	30·03	63	SW	1	bc	30·09	+·06	56	53	- 1	W	0	o	=	bc	=	69	50	-
	Cambridge ...	30·03	71	SW	1	b	30·08	+·07	64	61	+ 6	S	1	o	=	b	15·1	72	49	-
	Yarmouth ...	30·04	59	SE	3	b	30·10	+·13	58	55	- 4	SSE	2	b	2	b	=	63	53	-
Germany & Holland.	Cuxhaven ...	30·06	61	S	1	o	30·11	+·12	59	59	0	SE	1	bc	=	o	=	66	55	-
	Berlin	30·06	70	W	o	c	30·14	+·10	65	58	+ 3	E	2	o	=	c	=	77	61	-
	Wiesbaden ...	*	*	*	*	*	30·11	+·09	62	60	- 1	W	0	b	=	=	=	75	55	0·71
	Munich	30·15	60	SW	1	r	30·16	+·04	64	60	+ 2	SE	2	b	=	r	=	66	50	0·47
	The Helder ...	30·04	58	N	1	b	30·11	+·15	57	56	- 3	N	1	bc	1	b	=	66	52	-
Belgium.	Brussels ...	*	*	*	*	*	30·08	+·06	65	62	+ 2	ENE	1	o	=	b	=	72	55	-
	Cape Gris Nez ..	?	58	SW	1	b	?	?	63	58	+ 9	ESE	1	m	1	b	=	63	52	-
	Paris	30·04	70	E	2	bc	30·00	-·06	68	63	+ 8	NE	1	bc	=	bc	=	73	57	-
	Brest	30·03	60	N	1	o	30·04	+·01	55	52	0	NE	2	bc	1	o	=	63	50	-
	Lorient... ...	30·03	59	N	1	o	30·03	-·03	57	55	+ 3	N	2	o	2	o	=	72	54	0·04
France &	Rochefort ...	29·96	72	NE	1	o	29·95	-·12	63	62	+ 1	SW	2	o	=	c, o	=	77	61	0·08
	Belfort	30·01	68	NE	3	c	30·01	-·08	63	60	- 1	ENE	5	m	=	c	=	79	54	-
	Lyons ...	30·03	66	NW	1	r	30·00	-·06	67	63	+ 1	S	1	o	=	t l r	=	81	58	0·08
	Nice	30·01	65	SW	2	bc	30·04	·00	69	61	+ 3	W	0	c	o	bc	=	75	59	-
	Perpignan ...	29·96	63	NE	2	o	30·05	+·01	65	63	- 1	N	2	o	=	o	=	73	60	0·04
	Biarritz ...	29·90	61	E	3	t l r	29·95	-·03	55	54	- 8	NNW	2	c	2	t l r	=	72	59	1·38
Penin-sula.	Corunna ...																=			
	Lisbon	30·04	62	NNW	3	bc	30·10	+·08	64	59	?	NNW	3	o	=	bc	=	68	59	-
	Azores (P. Delgada)	30·00	63	W	o	c	29·99	+·02	66	64	+ 3	N	1	bc	2	c	=	68	61	-

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

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

Bright Sunshine yesterday Southport 10·3 hrs;

WEATHER CHARTS

FOR Wednesday 8th June, 1898

BAROMETER, WIND AND SEA.

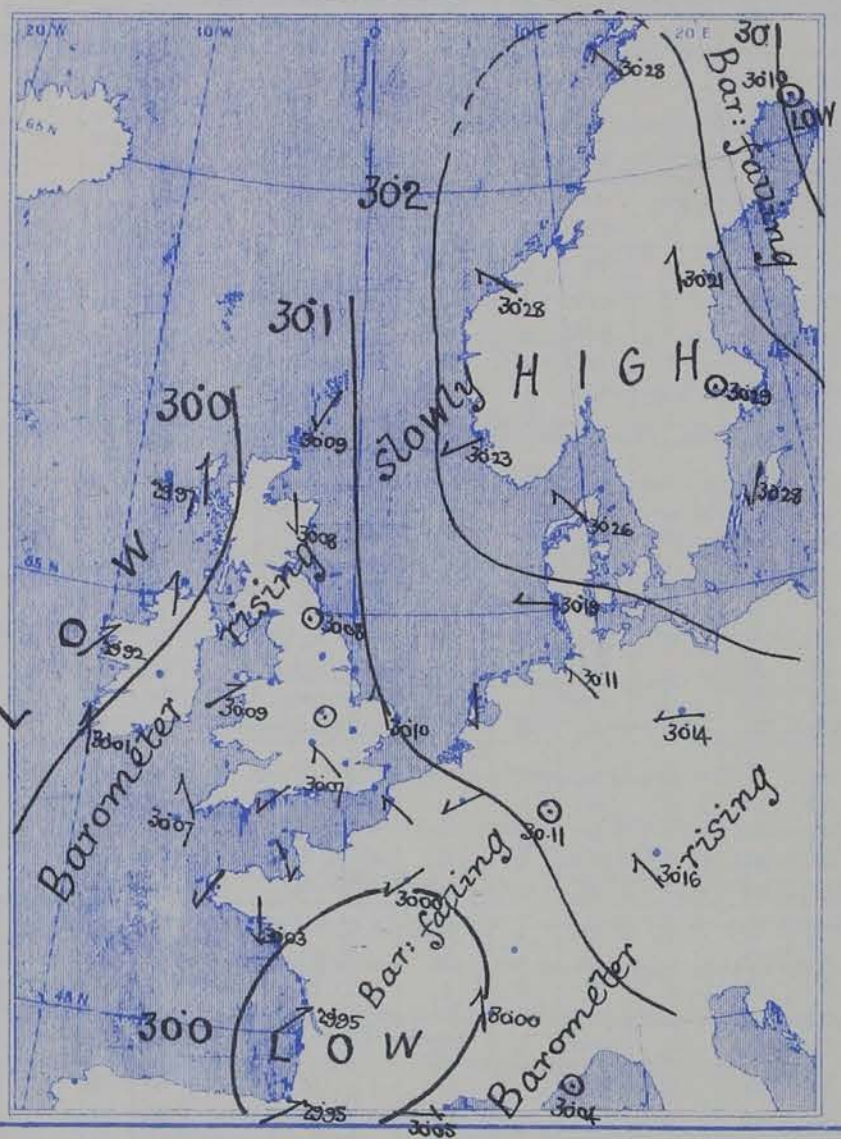
BAROMETER—Isobars are drawn for each tenth of an inch.

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

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

Force 8 to 10 ⟶⟶ ; Force 1 to 4 ⟶ ; }

SEA—Rough ▤ ; High ▤

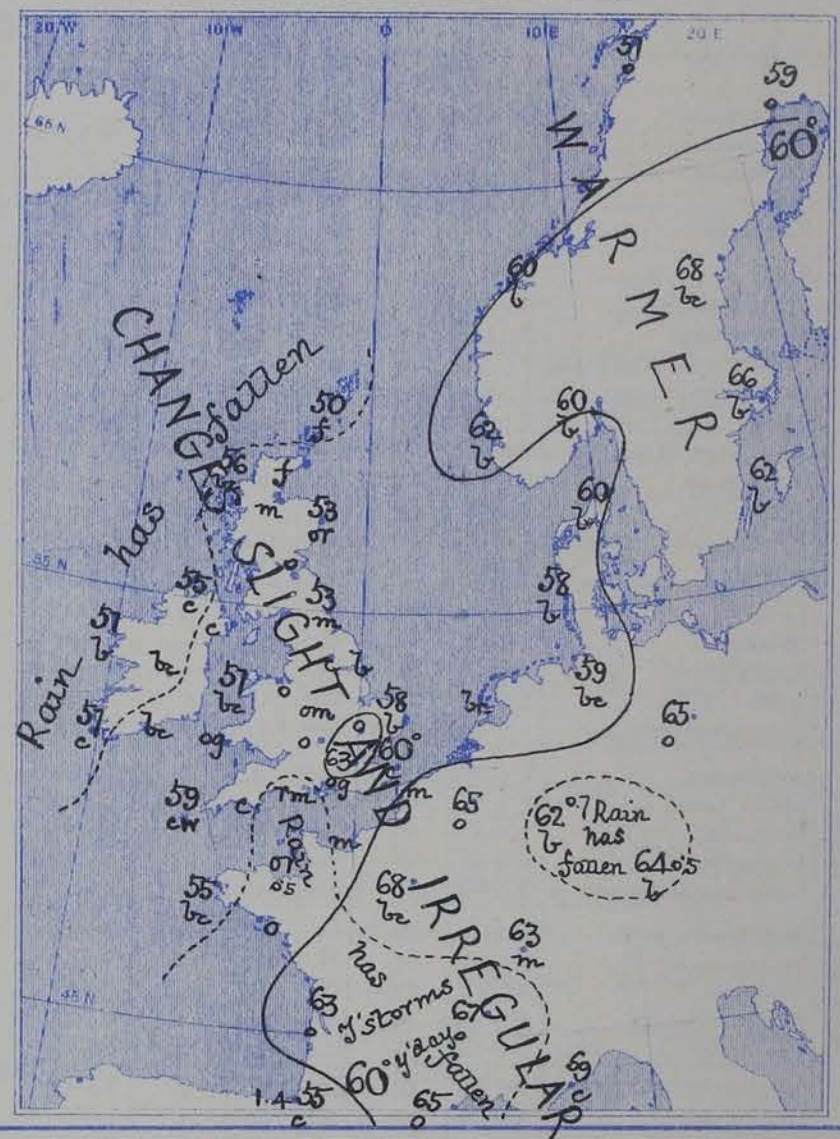


TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

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



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

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of				Absolute Extremes.				RAINFALL. Means. 1866—95.	BRIGHT SUNSHINE. Means, 1881—95.	
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum	Years.	Minimum.	Years		Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29·898	50·5	48·7	54·6	45·0	70	1891	33	1888	1·93	—	—
Stornoway	29·894	53·4	51·4	58·2	46·0	76	1893	31	1888	2·76	185·1	35
Wick	29·916	53·4	50·8	58·9	45·5	79	1878	30	1881	1·75	—	—
Nairn	29·917	54·4	51·0	62·3	47·3	86	1876	30	1888	1·73	—	—
Aberdeen	29·933	54·8	50·8	61·0	47·2	80	1881, 87	30	1888	1·80	196·5	37
Leith	29·943	55·9	52·3	63·9	48·0	86	1887	34	1886	1·79	—	—
Shields	29·959	54·9	51·8	60·6	48·5	76	1878, 84	37	1881, 86, 95	1·71	—	—
Spurn Head	29·971	55·3	52·8	60·3	51·1	80*	1885	34*	1881	1·64	—	—
York	29·979	56·1	52·7	66·2	48·4	88	1878	35	1894	2·21	173·0	34
Loughborough	29·991	57·7	53·8	68·6	48·8	86*	1893	32*	1895	2·20	—	—
Ardrossan	29·944	55·3	52·3	62·1	49·4	85	1878	36	1890	2·32	—	—
Malin Head	29·934	53·6	51·2	59·0	50·8	—	—	—	—	—	—	—
Belmullet	29·953	56·2	53·2	60·8	51·4	—	—	—	—	2·85	—	—
Donaghadee	29·959	55·1	53·0	61·5	49·7	77	1887	36	1880	2·03	—	—
Holyhead	29·976	55·9	53·4	61·7	51·3	83	1878	42	1882	1·97	—	—
Liverpool	29·976	57·0	52·8	64·0	51·1	85	1878, 93	38	1872	1·99	—	—
Parsonstown	29·981	56·2	52·9	64·9	48·5	85	1887	32	1881	2·34	173·7	35
Valencia	29·984	57·4	54·5	62·5	51·2	81	1887	40	1875, 80, 82	3·34	203·4	41
Roche's Point	29·983	57·0	53·8	64·3	51·3	80	1876, 87	41	1881	3·07	—	—
Pembroke	29·983	55·4	53·4	60·5	51·6	79	1893	38	1888	1·88	234·7	48
Scilly	30·002	57·5	55·3	61·5	53·2	75	1893	41	1888	1·76	—	—
Prawle Point	30·010	57·1	54·7	61·7	50·7	79*	1887	39*	1881	1·59	—	—
Jersey	30·019	59·0	55·9	64·9	52·8	87	1872	39	1890	1·86	243·1	51
Hurst Castle	30·007	57·9	55·7	64·6	52·0	84	1893	38	1881	1·83	—	—
Dover	29·989	58·2	55·0	63·0	52·3	77	1878	37	1890, 91, 92, 93	1·52	—	—
LONDON	30·001	58·9	54·6	69·2	50·6	91	1878	35	1880	1·99	167·4†	34†
Oxford	29·996	56·8	53·3	67·1	49·9	86	1876, 93	35	1892, 93	2·11	192·1	39
Cambridge	29·994	58·1	54·7	68·8	48·4	88	1888, 93	33	1892	2·14	195·3	40
Yarmouth	29·983	56·8	54·0	61·9	51·0	81	1877, 88	40	1892	1·86	—	—

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

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·2 ins: and more over Scandinavia, and above 30·1 ins: over Germany.
Lowest, Below 30·0 ins: (1) over our extreme western coasts, and (2) in a very shallow depression which has appeared over the west and southwest of France.
Gradients very slight. Barometer still rising at our northern stations, but is steady in London, falling over France.

TEMPERATURE

Highest, (1) 69° at Nice, 68° at Paris, 65° at Berlin, 64° at Cambridge; (2) 68° at Hunösand, 66° at Stockholm, 62° at Skudesnaes.
Lowest, 50° at Lerwick Head and Nairn, 53° at Aberdeen and Pembroke, 55° at Leith, Malin Hd. and Donaghadee.
The maxima recorded yesterday were 70° at Loughborough, 73° in London and at Paris, 75° at Nice, and 81° at Lyons.

WIND

Moderate from the S.W. over Ireland and the west of Scotland, very light and variable over Great Britain as a whole; light and cyclonic over France and the Channel; light and anticyclonic over Scandinavia.

WEATHER

Fine over Scandinavia and Germany, cloudy over France, dull and changeable over southern counties and the Channel, with rain at Hunt Castle and Jersey
The rainfall has been considerable at some southern stations heavy (1·4 ins:) at Biarritz; thunderstorms have occurred in the south of France.
Bright Sunshine recorded yesterday exceeded 10 hrs: in many places, and amounted to 15 hrs: at Cambridge, and 14 hrs at Pembroke and Aberdeen.

SEA

Moderate at Lerwick Head and Valencia, slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The shallow disturbance over France seems likely to spread over our southern counties and Germany, causing rain in several places, and thunder locally. Fine weather is probable in Ireland and Scandinavia.

FORECASTS

For the 24 hours ending at NOON on 9th JUNE, 1898

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	S.W. breezes, moderate; slight rain.
1	SCOTLAND EAST	Variable airs; fair generally, warm.
2	ENGLAND N.E.	
3	ENGLAND EAST	Same as No 5
4	MIDLAND COUNTIES	Same as Nos 1 and 2.
5	ENGLAND SOUTH	E. airs; some rain, close, thundery.
6	SCOTLAND WEST	S.W. breezes, light; fair, warm.
7	ENGLAND N.W.	
8	ENGLAND S.W.	Variable airs; fair generally.
9	IRELAND NORTH	S.W. breezes, moderate; fair.
10	IRELAND SOUTH	

WARNINGS

NONE ISSUED.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	30.12	62	55	S	6	c	3
Sumburgh Head	29.96	50	50	SE	3	f	5
Stornoway	29.90	60	55	SE	3	bc	3
Aberdeen	29.95	57	54	NE	4	bcq	4
Shields	29.99	63	57	E	2	c	2
Ardrossan	29.96	60	57	S	2	b	2
Malin Head ...	29.85	60	56	S	5	r	2
Belmullet	29.84	60	56	SW	3	bc	*
Holyhead	30.03	60	57	SW	3	bc	2

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	29.85	59	55	S	4	c	5
Scilly	30.00	60	57	SSE	3	b	2
Jersey	30.06	63	57	SW	1	bcm	2
Hurst Castle ...	30.06	61	58	SW	2	bm	2
Dungeness ...	30.06	59	56	SW	3	b	2
North Foreland	30.06	59	57	SE	2	bc	2
London (Westminster)	30.03	70	59	NSW	2	c	*
Yarmouth ...	30.02	62	59	E	2	b	2
Rochefort ...	30.04	72	70	NW	3	c	*

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

Continental Information not received.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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DAILY WEATHER REPORT

for 8 a.m. on Thursday 9th June, 1898.

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

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

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

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

Bright Sunshine yesterday Southport 12·1 hrs;

WEATHER CHARTS

FOR Thursday, 9th June, 1898

BAROMETER, WIND AND SEA.

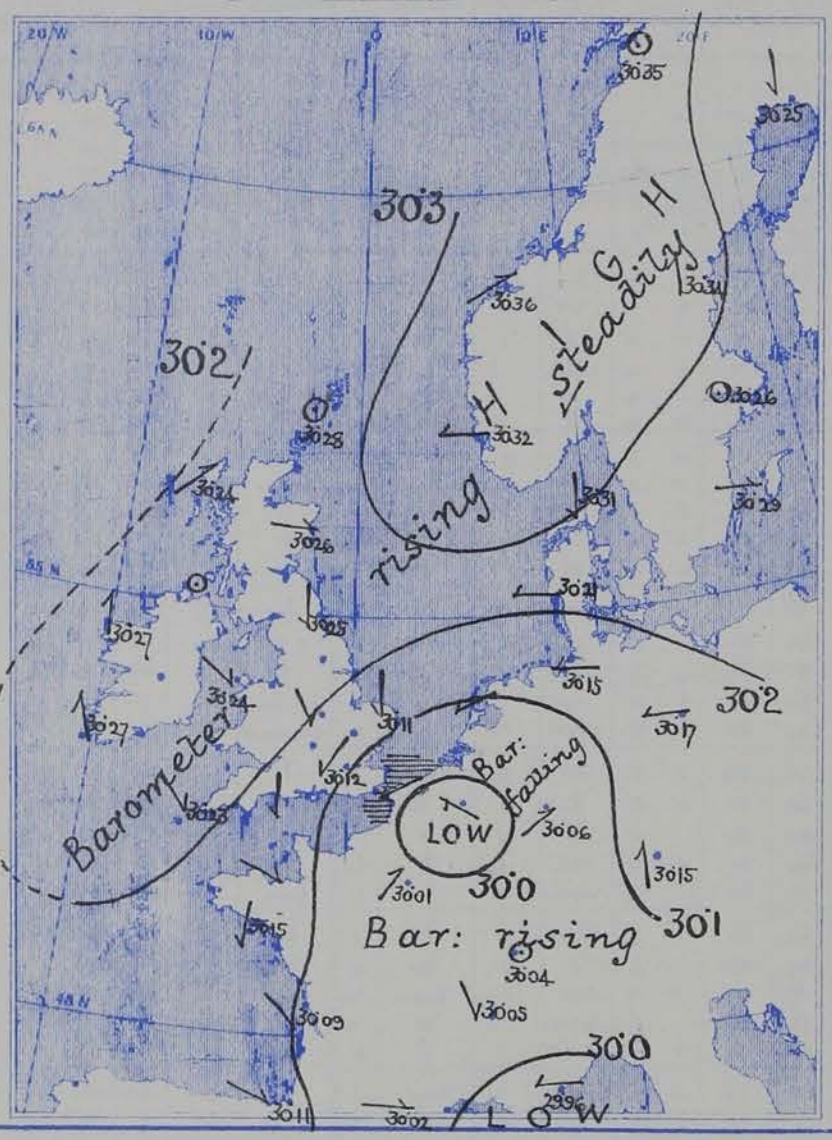
BAROMETER—Isobars are drawn for each tenth of an inch.

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

Force above 10 ⇉ : Force 5 to 7 ⟶ : } Calm ⊙

Force 8 to 10 ⇉ : Force 1 to 4 ⟶ : }

SEA—Rough ≡ : High ▬

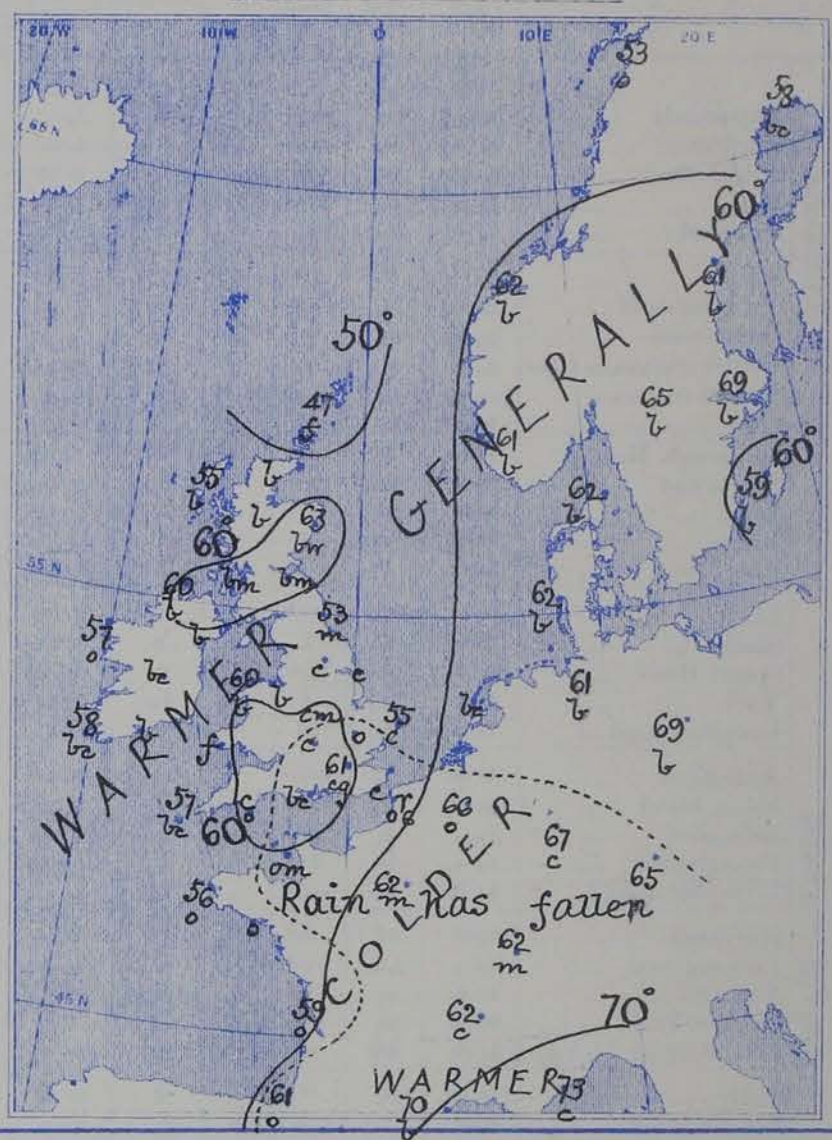


TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

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



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

STATIONS.	PRESSURE AT 8 A.M.	TEMPERATURE OF AIR. 1871-95.								RAINFALL.	BRIGHT SUNSHINE.	
		Means of				Absolute Extremes.						
	Means, 1871-95.	Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum	Years.	Minimum.	Years	Means. 1866—95.	Means. 1881—95. Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29·898	50·5	48·7	54·6	45·0	70	1891	33	1888	1·93	—	—
Stornoway	29·894	53·4	51·4	58·2	46·0	76	1893	31	1888	2·76	185·1	35
Wick	29·916	53·4	50·8	58·9	45·5	79	1878	30	1881	1·75	—	—
Nairn	29·917	54·4	51·0	62·3	47·3	86	1876	30	1888	1·73	—	—
Aberdeen	29·933	54·8	50·8	61·0	47·2	80	1881, 87	30	1888	1·80	196·5	37
Leith	29·943	55·9	52·3	63·9	48·0	86	1887	34	1886	1·79	—	—
Shields	29·959	54·9	51·8	60·6	48·5	76	1878, 84	37	1881, 86, 95	1·71	—	—
Spurn Head	29·971	55·3	52·8	60·3	51·1	80*	1885	34*	1881	1·64	—	—
York	29·979	56·1	52·7	66·2	48·4	88	1878	35	1894	2·21	173·0	34
Loughborough	29·991	57·7	53·8	68·6	48·8	86*	1893	32*	1895	2·20	—	—
Ardrossan	29·944	55·3	52·3	62·1	49·4	85	1878	36	1890	2·32	—	—
Malin Head	29·934	53·6	51·2	59·0	50·8	—	—	—	—	—	—	—
Belmullet	29·953	56·2	53·2	60·8	51·4	—	—	—	—	2·85	—	—
Donaghadee	29·959	55·1	53·0	61·5	49·7	77	1887	36	1880	2·03	—	—
Holyhead	29·976	55·9	53·4	61·7	51·3	83	1878	42	1882	1·97	—	—
Liverpool	29·976	57·0	52·8	64·0	51·1	85	1878, 93	38	1872	1·99	—	—
Parsonstown	29·981	56·2	52·9	64·9	48·5	85	1887	32	1881	2·34	173·7	35
Valencia	29·984	57·4	54·5	62·5	51·2	81	1887	40	1875, 80, 82	3·34	203·4	41
Roche's Point	29·983	57·0	53·8	64·3	51·3	80	1876, 87	41	1881	3·07	—	—
Pembroke	29·983	55·4	53·4	60·5	51·6	79	1893	38	1888	1·88	234·7	48
Scilly	30·002	57·5	55·3	61·5	53·2	75	1893	41	1888	1·76	—	—
Prawle Point	30·010	57·1	54·7	61·7	50·7	79*	1887	39*	1881	1·59	—	—
Jersey	30·019	59·0	55·9	64·9	52·8	87	1872	39	1890	1·86	243·1	51
Hurst Castle	30·007	57·9	55·7	64·6	52·0	84	1893	38	1881	1·83	—	—
Dover	29·989	58·2	55·0	63·0	52·3	77	1878	37	1890, 91, 92, 93	1·52	—	—
LONDON	30·001	58·9	54·6	69·2	50·6	91	1878	35	1880	1·99	167·4†	34†
Oxford	29·996	56·8	53·3	67·1	49·9	86	1876, 93	35	1892, 93	2·11	192·1	39
Cambridge	29·994	58·1	54·7	68·8	48·4	88	1888, 93	33	1892	2·14	195·3	40
Yarmouth	29·983	56·8	54·0	61·9	51·0	81	1877, 88	40	1892	1·86	—	—

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

† The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30·3 ins. and more over Norway and most of Sweden, and exceeding 30·2 ins. over the west and north of our Islands.
Lowest below 30·0 ins. in a shallow disturbance over Belgium and the N^E. of France.
Gradients moderate over the SE^rn. parts of England, slight elsewhere.
Barometer rising at all the W^rn. and N^rn. stations and in Germany, falling over Belgium.

TEMPERATURE

Highest 69° at Stockholm and Berlin, 66° at Brussels, 63° at Aberdeen, 62° at Oxford and at Christiansund, 61° in London.
Lowest – (1) below 60° over the N^rn. and W^rn. parts of France; (2) 55° at Stornoway, 53° at Shields, 47° at Dunbugh Head.
Maxima were recorded yesterday as high as 72° at York and Loughborough, 75° at Cambridge and at Lyons, but in London, the thermometer did not rise above 67° all day.

WIND

Light and very variable over the western and northern parts of our Islands, N^ly over England, and moderate in force over our southeastern counties; in western Germany it was S^ly, and in north Germany E^ly.

WEATHER

Very fine over all the W^rn. and N^rn. parts of our Islands and over Scandinavia; dull over our SE^rn. counties and rainy at the N. Foreland.
A fall of two to three tenths of an inch of rain has occurred over the English Channel and more over Belgium and the N^E. of France. Bright sunshine recorded yesterday amounted to 13 hrs. at Scilly, 12 hrs. at Stornoway, and exceeded 10 hrs. at Valencia and Pembroke; at our SE^rn. stations there was hardly any.

SEA

Moderate in the Straits of Dover, slight to very smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

A continuation of fine weather is probable at the W^rn. and N^rn. stations, and a gradual clearance in the S. and E. – first at the inland stations and last on the coasts.

FORECASTS

For the 24 hours ending at NOON on 10TH JUNE. 1898

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	Light and variable breezes, fine generally.
1	SCOTLAND EAST	
2	ENGLAND N.E.	
3	ENGLAND EAST	Same as No. 5.
4	MIDLAND COUNTIES	N^ly breezes, light; fair.
5	ENGLAND SOUTH	N^ly breezes, moderate; some rain at the coast stations, fair inland.
6	SCOTLAND WEST	Light and variable breezes, fine generally.
7	ENGLAND N.W.	
8	ENGLAND S.W.	
9	IRELAND NORTH	
10	IRELAND SOUTH	
	WARNINGS	None issued.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	30·26	60	55	S	2	c	1
Sumburgh Head	30·10	53	52	NE	1	f	3
Stornoway ...	30·02	60	54	SW	4	c	4
Aberdeen	30·13	60	55	SE	2	b	2
Shields	30·11	56	54	ENE	2	o	2
Ardrossan	30·11	59	57	SSW	3	b	2
Malin Head ...	30·02	59	57	E	2	bc	2
Belmullet	30·05	59	53	SW	4	bc	*
Holyhead	30·14	63	58	SW	2	b	1

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	30·09	61	57	SW	3	bc	4
Scilly	30·12	60	56	NW	1	b	0
Jersey	30·07	56	55	NW	3	orm	3
Hurst Castle ...	30·08	59	58	NNE	2	rm	1
Dungeness ...	30·01	61	58	ENE	4	o	3
North Foreland	30·07	60	57	NE	3	c	3
London (Westminster)	30·08	66	59	E	0	ogm	*
Yarmouth ...	30·11	60	56	ESE	3	b	3
Rochefort ...	29·95	64	64	NNW	3	o	*

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

Weather in morning fine and bright over the S^rn. half of Scandinavia and the Baltic, as well as over SE^rn. Europe, Italy, Sicily and Sardinia; fair over the W^rn. and NW^rn. parts of the British Islands, gloomy over France and the SE. of England, with rain in several places. Rain falling later in all the last named regions — rather heavily at Cape Gris Nez; but weather continuing very fine in the W. and N. generally.

Temperature in morning fallen over France. Morning reading highest 77° at Brindisi, 76° at Palermo, and exceeding 70° at many of the Mediterranean stations, and at Constantinople exceeding 60° over central and N^rn. Europe as a whole. Lowest (1) 48° at Wick, 50° at Nairn, 55° at Malin Hd.; (2) 50° at Kiew, 56° at Kharkow, 54° at Lemberg. Rising later to between 72° and 75° over the Midland counties of England, and touching 78° at Paris, 75° at Lyons and at Hernösand, 77° at Berlin, and 79° at Pavia.

Wind light and very variable over Europe generally — anticyclonic at the Scandinavian stations, S^ly. over Ireland and the west of Scotland. No decided change later.

Barometer highest (1) 30·2 ins. and more over Scandinavia and the Baltic provinces, and exceeding 30.1 ins. over the North Sea and Germany. (2) 30·1 ins. at Lisbon. Lowest below 30.0 ins. (1) over Asia Minor; (2) over Central France, the NE. of Spain and the W^rn. half of the Mediterranean (3) over NW^rn. parts of Ireland and the W. of Scotland. Rising at all our W^rn. and N^rn. stations later, falling over France.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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DAILY WEATHER REPORT

for 8 a.m. on Friday, 10th June, 1898.

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

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)								PAST 24 HOURS.				
		Barom.	Temp.	Wind.			Barometer.		Temperature.			Wind.					Temp.		
		At 32° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)	Weather	At 32° Fahr. and M. S. L.	Change since Yesterday.	Dry Bulb.	Wet Bulb.	Change since Yesterday.	Direc.	Force (0 to 12.)	Weather.	Sea (0 to 9.)	Weather.	Hours of Bright Sunshine.	Max.	Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
Scandinavia	Haparanda ...	30·29	52	WNW	2	c	30·29	+·04	55	46	− 3	NW	2	c	*	c	*	64	45	-
	Hernösand ...	30·25	58	S	0	c	30·27	−·01	66	55	+ 5	NE	2	b	*	c	*	68	48	-
	Stockholm ...	30·30	64	E	2	c	30·28	+·02	69	56	0	E	2	b	*	c	*	75	55	-
	Wisby	30·26	59	SE	4	b	30·28	−·01	61	51	+ 2	NE	4	b	*	b	*	66	48	-
	Karlstad ...	30·44	67	ENE	2	bc	30·26	−·02	64	59	− 1	S	2	b	*	tkr. bc	*	*	*	-
	Bodö	30·32	50	S	0	c	30·32	−·03	50	48	− 3	S	0	0	0	c	*	54	46	-
	Christiansund ...	30·36	55	NW	1	fg	30·32	−·04	54	52	− 8	S	0	fg	1	fg	*	66	54	-
	Skudesnaes ...	30·28	65	NW	2	b	30·28	−·04	61	57	0	S	0	fg	0	fg	*	74	54	*
	Færder (Christiania Fjord)	30·26	69	WSW	2	b	30·26	−·06	63	58	− 1	NNE	2	b	1	b	*	72	61	-
	Skagen (The Scaw)	30·26	62	NNE	1	b	30·26	−·05	63	59	+ 1	N	2	b	0	b	*	73	57	-
	Fanö	30·22	63	E	4	b	30·21	−·00	62	57	0	S	0	b	*	b	*	72	57	-
British Islands.	Sumburgh Head	30·32	54	S	0	c	30·34	+·06	49	49	+ 2	NE	2	c	3	bc.c	*	59	45	-
	Stornoway ...	30·30	61	E	3	c	30·29	+·05	57	54	+ 2	E	2	b	2	bc.c	13·7	63	48	-
	Wick	30·35	50	E	1	b	30·35	+·06	50	48	− 9	E	2	fg	1	b	*	60	43	-
	Nairn	30·30	54	E	1	bc	30·33	+·07	55	52	− 4	E	1	c	1	bc	*	65	47	-
	Aberdeen ...	30·29	48	NE	2	f	30·31	+·05	55	52	− 8	N	2	c	1	f	9·5	65	46	-
	Leith	30·24	60	S	0	b	30·28	+·04	56	53	− 7	ENE	1	c	*	b	*	68	48	-
	Shields	30·25	50	NNE	2	fg	30·26	+·01	49	49	− 4	N	3	fg	3	om.f	*	56	46	-
	Spurn Head ...	30·12	53	N	5	o	30·13	−·04	52	51	− 3	N	5	c	4	o,r	*	56	50	0·01
	York	30·20	66	N	3	bc	30·20	−·01	58	53	− 2	N	2	b	*	bc	3·2	70	48	-
	Loughborough ...	30·15	66	NNE	3	c	30·16	−·03	57	54	− 4	NNW	3	bcmw	*	bc.cm	*	72	50	-
	Ardrossan ...	30·22	63	WNW	2	cm	30·25	·00	59	56	− 3	ENE	3	bm	2	c.cm	*	69	48	-
	Malin Head ...	30·28	55	E	2	om	30·26	·00	56	55	− 4	E	2	bm	1	o,om	*	61	51	-
	Belmullet ...	30·30	60	N	2	b	30·24	−·03	60	55	+ 3	ENE	1	b	*	b	*	62	47	-
	Donaghadee ...	30·26	58	NW	4	bc	30·25	−·01	56	54	− 4	NNW	4	m	2	bc	*	64	50	-
	Liverpool (Bidston)	30·20	58	WNW	1	bc	30·19	−·03	60	56	+ 4	W	1	b	1	bc	*	61	52	-
	Holyhead ...	30·21	55	NW	2	ct	30·19	−·05	57	55	− 3	NNE	1	b	1	b,ct	*	59	50	-
	Parsonstown ...	30·22	65	NNW	1	b	30·23	−·04	59	55	0	S	0	b	*	b	10·8	68	46	-
	Valencia ...	30·26	60	WNW	1	b	30·21	−·06	59	53	+ 1	S	0	bc	2	bc.b	11·2	61	46	-
	Roche's Point ..	30·23	62	SSW	2	b	30·22	−·05	58	55	+ 1	S	0	b	1	b	*	64	50	-
	Pembroke (St. Ann's Hd.)	30·20	56	NW	3	b	30·25	+·03	62	57	+ 7	S	0	bm	2	b	14·2	62	53	-
	Scilly	30·23	57	NNW	4	cf	30·18	−·05	57	55	0	NNW	3	cmw	1	c.cf	12·7	61	53	-
	Prawle Point ...	30·14	65	NW	3	c	30·13	−·04	66	62	+ 5	N	3	bc	2	c	*	71	55	-
	Jersey (St. Aubin's)	30·12	65	WNW	3	bcm	30·10	−·05	62	58	+ 5	NW	3	bm	3	b.bcm	*	68	55	-
	Hurst Castle ...	30·09	70	NNE	2	bcm	30·06	−·07	66	61	+ 2	NNE	3	bm	2	cm.bcm	*	73	55	-
	Dungeness ...	29·99	63	N	5	o	29·97	−·05	60	59	+ 4	N	3	c	2	r.o	*	63	56	0·25
	North Foreland	30·01	56	NW	4	r	30·01	−·06	56	56	+ 1	NW	1	f	1	r	*	56	53	1·31
	London (Brixton) ...	30·08	64	NNE	3	c	30·06	−·06	57	56	− 4	NE	2	ogr	*	p.og.bc	0·4	68	55	0·01
	Oxford	30·12	63	N	2	bc	30·10	−·05	60	57	− 2	N	2	bc	*	bc	*	72	52	-
	Cambridge ...	30·11	61	N	3	o	30·09	−·06	54	53	− 4	N	1	r	*	o	0·0	64	52	0·36
	Yarmouth ...	30·06	56	NNW	3	c	30·05	−·06	55	54	0	N	3	og	3	or.c	*	58	53	1·67
Germany & Holland.	Cuxhaven ...	30·11	66	E	4	b	30·14	−·01	60	60	− 1	E	4	b	*	b	*	72	55	-
	Berlin	30·12	73	E	2	c	30·15	−·02	66	57	− 3	E	2	b	*	c	*	77	57	-
	Wiesbaden ...	*	*	*	*	*	29·98	−·08	61	61	− 6	S	0	r	*	*	*	72	61	1·02
	Munich	30·09	59	SW	6	r	30·05	−·10	60	60	− 5	E	2	r	*	r	*	75	57	1·10
	The Helder ...	30·00	65	ENE	2	o	30·02	−·04	62	57	− 1	E	3	bc	2	o	*	66	61	0·12
Belgium.	Brussels ...	*	*	*	*	*	29·98	·00	59	59	− 7	WSW	1	r	*	o	*	73	57	0·04
	Cape Gris Nez ...	?	56	NE	5	r	?	?	56	56	+ 1	ENE	1	f	1	r	*	57	52	0·75
	Paris	30·02	62	W	1	o	29·99	−·02	58	57	− 4	W	2	m	*	o	*	63	58	0·04
	Brest	30·19	58	NNW	3	b	30·17	−·02	54	51	− 2	N	3	b	2	b	*	61	50	-
	Lorient	30·13	67	N	3	bc	30·15	·00	55	53	− 2	N	3	bc	2	bc	*	73	52	-
France &	Rochefort ...	30·12	66	NNW	3	bc	30·12	−·03	61	60	+ 2	NNE	2	bc	*	o,bc	*	72	57	-
	Belfort														*		*			
	Lyons	30·02	68	NNW	1	o	30·05	·00	57	54	− 5	NNW	1	r	*	r.o	*	73	54	0·04
	Nice	29·95	69	E	6	c	29·95	−·01	65	60	− 8	SW	1	c	1	c	*	81	59	-
	Perpignan ...	30·06	63	W	2	o	30·07	+·05	65	58	− 5	NW	3	b	*	o	*	77	59	0·16
	Biarritz ...	30·12	63	WNW	4	o	30·11	·00	59	59	− 2	SW	4	o	2	o	*	64	57	-
Peninsula.	Corunna ...																*			
	Lisbon	30·15	60	N	3	b	30·10	−·05	64	59	0	NW	4	b	*	b	*	72	57	-
	Azores (P. Delgada)	29·94	65	WSW	3	o	29·97	+·06	65	62	− 1	N	3	c	2	o	*	70	61	0·04

For Explanation of Columns, see bottom of last page.

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

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

Bright Sunshine yesterday Southport 11·4 hrs;

WEATHER CHARTS

FOR Friday. 10th June, 1898

BAROMETER, WIND AND SEA.

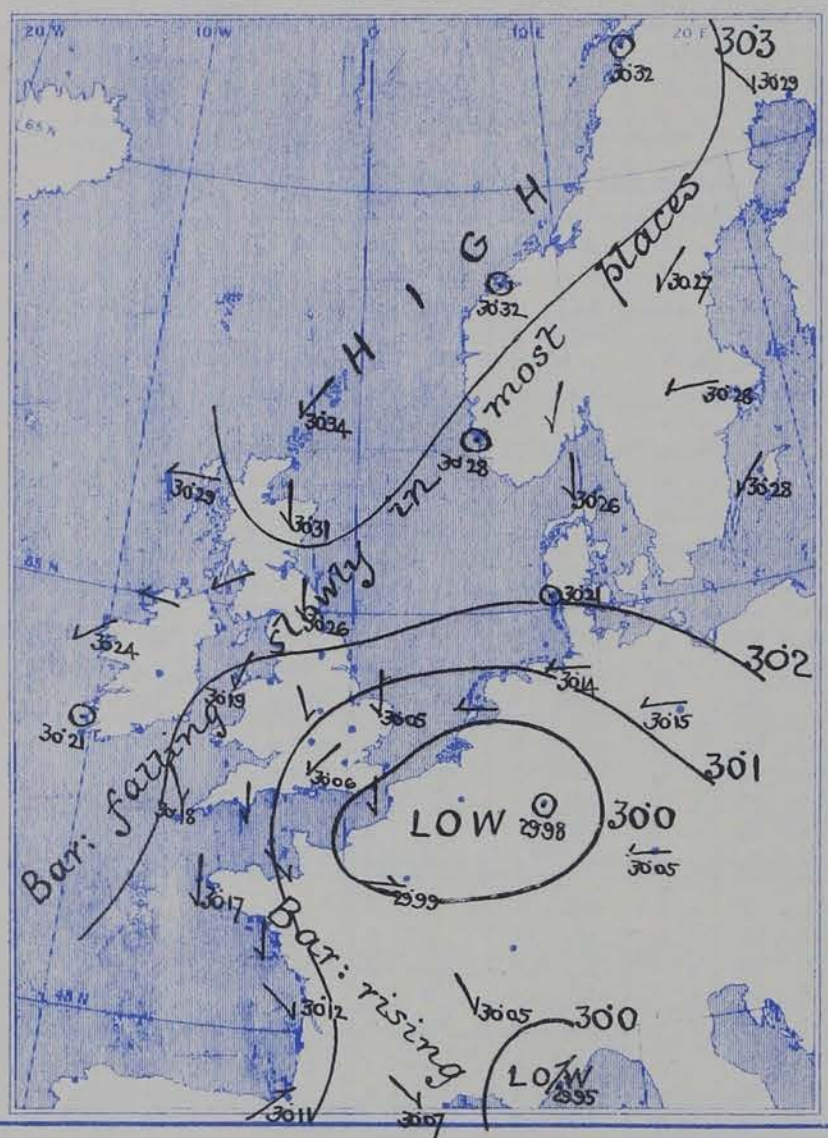
BAROMETER—Isobars are drawn for each tenth of an inch.

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

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

Force 8 to 10 ⟶⟶ ; Force 1 to 4 ⟶ ; }

SEA—Rough ▤ ; High ▤

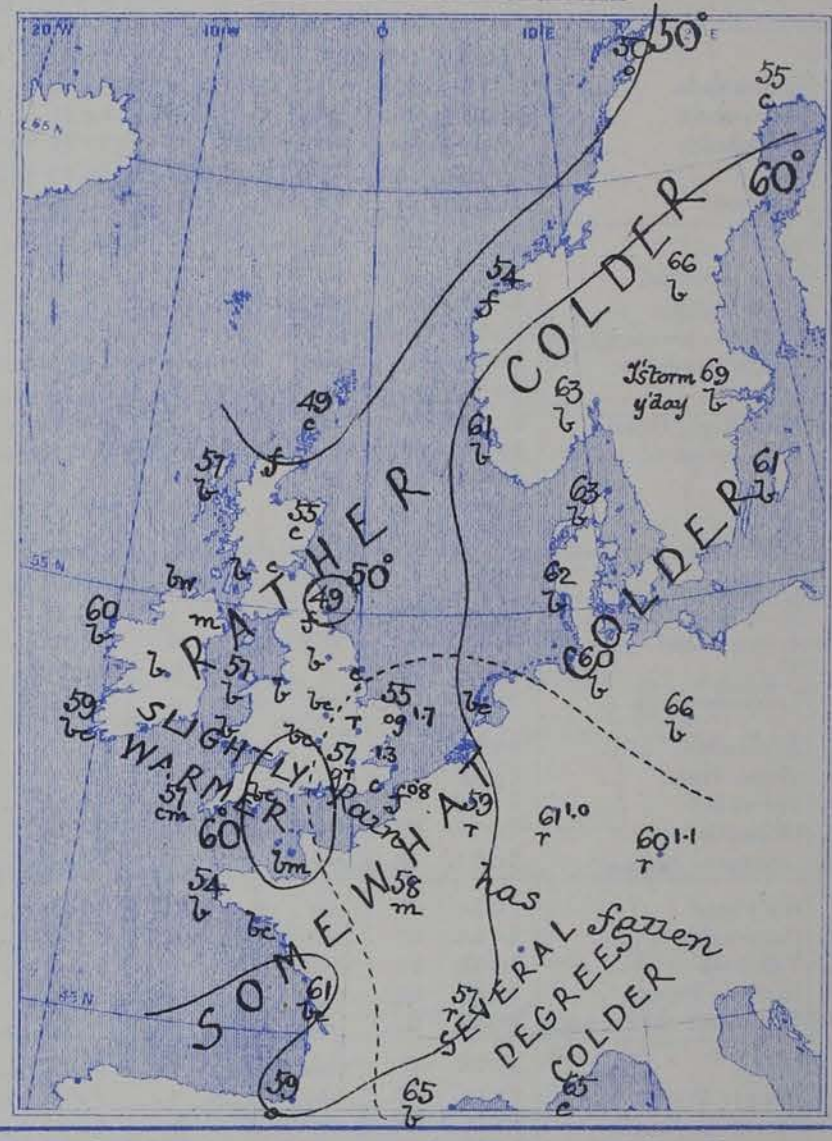


TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

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



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

STATIONS.	PRESSURE AT 8 A.M.	TEMPERATURE OF AIR. 1871-95.								RAINFALL.	BRIGHT SUNSHINE.	
		Means of				Absolute Extremes.						
	Means, 1871—95.	Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum	Years.	Minimum.	Years	Means. 1866—95.	Means. 1881—95. Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29·898	50·5	48·7	54·6	45·0	70	1891	33	1888	1·93	—	—
Stornoway	29·894	53·4	51·4	58·2	46·0	76	1893	31	1888	2·76	185·1	35
Wick	29·916	53·4	50·8	58·9	45·5	79	1878	30	1881	1·75	—	—
Nairn	29·917	54·4	51·0	62·3	47·3	86	1876	30	1888	1·73	—	—
Aberdeen	29·933	54·8	50·8	61·0	47·2	80	1881, 87	30	1888	1·80	196·5	37
Leith	29·943	55·9	52·3	63·9	48·0	86	1887	34	1886	1·79	—	—
Shields	29·959	54·9	51·8	60·6	48·5	76	1878, 84	37	1881, 86, 95	1·71	—	—
Spurn Head	29·971	55·3	52·8	60·3	51·1	80*	1885	34*	1881	1·64	—	—
York	29·979	56·1	52·7	66·2	48·4	88	1878	35	1894	2·21	173·0	34
Loughborough	29·991	57·7	53·8	68·6	48·8	86*	1893	32*	1895	2·20	—	—
Ardrossan	29·944	55·3	52·3	62·1	49·4	85	1878	36	1890	2·32	—	—
Malin Head	29·934	53·6	51·2	59·0	50·8	—	—	—	—	—	—	—
Belmullet	29·953	56·2	53·2	60·8	51·4	—	—	—	—	2·85	—	—
Donaghadee	29·959	55·1	53·0	61·5	49·7	77	1887	36	1880	2·03	—	—
Holyhead	29·976	55·9	53·4	61·7	51·3	83	1878	42	1882	1·97	—	—
Liverpool	29·976	57·0	52·8	64·0	51·1	85	1878, 93	38	1872	1·99	—	—
Parsonstown	29·981	56·2	52·9	64·9	48·5	85	1887	32	1881	2·34	173·7	35
Valencia	29·984	57·4	54·5	62·5	51·2	81	1887	40	1875, 80, 82	3·34	203·4	41
Roche's Point	29·983	57·0	53·8	64·3	51·3	89	1876, 87	41	1881	3·07	—	—
Pembroke	29·983	55·4	53·4	60·5	51·6	79	1893	38	1888	1·88	234·7	48
Scilly	30·002	57·5	55·3	61·5	53·2	75	1893	41	1888	1·76	—	—
Prawle Point	30·010	57·1	54·7	61·7	50·7	79*	1887	39*	1881	1·59	—	—
Jersey	30·019	59·0	55·9	64·9	52·8	87	1872	39	1890	1·86	243·1	51
Hurst Castle	30·007	57·9	55·7	64·6	52·0	84	1893	38	1881	1·83	—	—
Dover	29·989	58·2	55·0	63·0	52·3	77	1878	37	1890, 91, 92, 93	1·52	—	—
LONDON	30·001	58·9	54·6	69·2	50·6	91	1878	35	1880	1·99	167·4†	34†
Oxford	29·996	56·8	53·3	67·1	49·9	86	1876, 93	35	1892, 93	2·11	192·1	39
Cambridge	29·994	58·1	54·7	68·8	48·4	88	1888, 93	33	1892	2·14	195·3	40
Yarmouth	29·983	56·8	54·0	61·9	51·0	81	1877, 88	40	1892	1·86	—	—

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

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·3 ins: and more over the northwest of Norway and the northeast of Scotland, and exceeding 30·2 ins: over Ireland.
Lowest, Below 30·0 ins: in a shallow depression over Belgium and the northeast of France.
Gradients moderate over the east and south of England, very slight over the western and northern parts of our Islands.
Barometer inclined to rise over the southeast of England, but to fall in the west and northwest.

TEMPERATURE

Highest, (1) 69° at Stockholm, and above 60° at the Swedish stations generally; (2) 65° at Kuopio and Nice; (3) 66° at Hurst Castle and Pauls L. 62° at Hemsby 60° at Dunsfold and Oxford.
Lowest, 49° at Lumbugh Head and Shields, 50° both at Wick and Bdo., 52° at Spurn Head.
The maxima recorded yesterday varied greatly; they exceeded 70° in several parts of England, but the thermometer did not rise above 68° in London, scarcely exceeded 60° on several parts of our northeast coasts, and failed to reach even 60° at many of the stations.

WIND

Extremely light and variable over Ireland and Scotland, N. over England, moderate in force in the east, light elsewhere. In France it is NW., in Germany E.

WEATHER

Very fine over all the northern and western parts of the Kingdom, dull in the east and southeast, with fog at some stations, rain in London.
Heavy rain (exceeding an inch) has fallen along our southeast coasts and in some parts of Germany. All our western and northern districts have been dry, with from 10 to 14 hrs of Bright Sunshine.

SEA

Moderate or slight along our east coasts, slight to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

There is probably a disturbance over the Atlantic likely to cause a shift of wind to the S. over Ireland.

In the east and southeast the weather is likely to clear up slowly.

FORECASTS

For the 24 hours ending at NOON on 11TH JUNE 1898

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	NE. airs and fine weather.
1	SCOTLAND EAST	
2	ENGLAND N.E.	N. breezes, moderate; dull, some thick rain.
3	ENGLAND EAST	Same as No 5.
4	MIDLAND COUNTIES	N. airs; fair generally.
5	ENGLAND SOUTH	N. breezes, changeable, rainy at times.
6	SCOTLAND WEST	NE. and N. breezes; fine generally.
7	ENGLAND N.W.	
8	ENGLAND S.W.	Calms and SE. breezes; fine generally.
9	IRELAND NORTH	
10	IRELAND SOUTH	

WARNINGS

NONE ISSUED.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	30·30	54	61	SW	0	b	0
Sumburgh Head	30·30	57	56	NW	1	bc	3
Stornoway	30·28	63	56	ESE	3	bc	3
Aberdeen	30·25	55	53	ENE	3	bc	2
Shields	30·25	53	52	NNE	2	om	2
Ardrossan	30·24	65	60	WNW	2	c	2
Malin Head ...	30·29	59	57	E	2	o	1
Belmullet	30·30	60	55	WNW	2	b	*
Holyhead	30·24	58	56	NW	2	bc	1

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	30·28	59	56	W	3	bc	3
Scilly	30·23	60	56	NW	3	c	1
Jersey	30·14	67	61	NW	3	b	3
Hurst Castle ...	30·06	67	63	NE	2	cm	2
Dungeness ...	30·02	60	59	N	5	r	4
North Foreland	30·02	55	55	NW	4	r	3
London (Westminster)	30·09	66	60	N	3	c	
Yarmouth ...	30·07	57	55	NNW	3	or	3 *
Rochefort ...	30·10	62	61	NNW	3	o	*

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

Weather in morning very fine and bright over the Baltic, Scandinavia, nearly the whole of our Islands, and many parts of Central Europe, dull and rainy however, over France, the Netherlands and the southeast of England. Heavy rains falling later over our extreme southeastern counties and at Cape Gris Nez, as well as in the west and south of Germany, but continuing fine and dry over Scandinavia, Scotland, Ireland, and the west of England.

Temperature rose in Norway, Scotland and the north of Ireland, and in the northwest of Germany, fallen over the southeast of England. Morning readings highest 82° at Brindisi, 73° at Patras, Algiers and Nice; exceeding 60° over nearly the whole of Europe. Lowest 47° at Sumburgh Head, 53° at La Hève, 55° at Stornoway and at Spurn Hd, Yarmouth and Cape Gris Nez. Changing irregularly later, reaching 70° to 73° in some parts of our Islands and Norway, 73° at Brussels, 77° at Berlin, 81° at Nice, but not exceeding 68° in London, and 56° at Spurn Hd and Shields.

Wind very light and variable over Continental Europe and also over Scotland and Ireland, but N over England, and blowing briskly over our southeastern counties, S and SE over Western Germany, and E. on the Dutch coast. A separate cyclonic circulation of very light winds prevailing over the northern parts of the Mediterranean.

Barometer highest 30·3 in: and more over Scandinavia and exceeding 30·2 in: over the Baltic as well as over the northern and western parts of the British Islands. Lowest below 30·0 in: in three shallow depressions, one over the south of Russia, another over the northern half of the Mediterranean, and the third over Belgium and the northeast of France. Falling over the Netherlands later, rising slightly in the west and north of our Islands.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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DAILY WEATHER REPORT

for 8 a.m. on Saturday, 11th June, 1898.

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

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)								PAST 24 HOURS.				
		Barom.	Temp.	Wind.		Weather	Barometer.		Temperature.			Wind.		Weather.	Sea (0 to 9.)	Weather.	Hours of Bright Sunshine.	Temp.		Rainfall.
		At 32° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)		At 32° Fahr. and M. S. L.	Change since Yesterday.	Dry Bulb.	Wet Bulb.	Change since Yesterday.	Direc.	Force (0 to 12.)					Max.	Min.	
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
Scandinavia.	Haparanda ...	30·22	54	L	0	b	30·12	-·17	54	48	- 1	SSW	2	b	*	b	*	63	44	-
	Hernösand ...	30·24	54	L	0	c	30·19	-·08	60	56	- 6	S	2	c	*	c	*	68	52	0·04
	Stockholm ...	30·23	64	L	0	b	30·16	-·12	69	59	0	L	0	b	*	b	*	73	54	-
	Wisby	30·23	59	E	4	b	30·17	-·11	60	55	- 1	ENE	4	b	*	b	*	64	50	-
	Karlstad ...	30·19	67	NNE	2	b	30·13	-·13	64	59	0	NNE	2	bc	*	b	*	*	*	-
	Bodö	30·29	49	W	4	r	30·23	-·09	51	46	+ 1	W	2	0	1	r	*	52	46	-
	Christiansund ...	30·35	54	NE	1		30·25	-·07	53	49	- 1	NE	4		2		*	55	52	-
	Skudesnaes ...	30·23	55	NW	4		30·20	-·08	53	52	- 8	NNW	6		2		*	?70	50	*
	Færder (Christiania Fjord)	30·18	67	WSW	1		30·12	-·14	67	63	+ 4	S	1	0	0		*	72	63	-
	Skagen (The Scaw)	30·19	65	NNW	1	bc	30·15	-·11	63	59	0	L	0	c	0	bc	*	70	55	-
	Fanö	30·17	65	ESE	2	b	30·15	-·06	62	57	0	E	1	b	*	b	*	82	57	-
	Sumburgh Head	30·34	49	NE	3	c	30·31	-·03	48	46	- 1	NE	1	0	3	0,c	*	52	44	-
	Stornoway ...	30·27	60	E	4	b	30·26	-·03	52	50	- 5	L	0		0	b	4·0	61	45	-
	Wick	30·35	48	E	3		30·34	-·01	48	46	- 2	E	2	0	1		*	53	43	-
	Nairn	30·31	52	NE	2		30·32	-·01	48	47	- 1	E	1		0		*	60	45	-
	Aberdeen ...	30·31	49	NE	2		30·32	+·01	49	47	- 6	N	1	0	2	bc.f	5·6	60	46	-
	Leith	30·28	58	E	1	0	30·30	+·02	49	48	- 1	ENE	2	0	*	0	*	62	46	-
	Shields	30·25	53	N	3	c	30·30	+·04	49		0	NNE	3		3		*	57	47	-
	Spurn Head ...	30·16	55	NNE	4	b	30·19	+·06	50	50	- 2	N	5		4	bc.b	*	58	49	-
	York	30·20	68	N	2	b	30·24	+·04	57	54	- 1	N	2	b	*	b	12·6	70	48	-
	Loughborough ...	30·15	68	NE	3	b	30·22	+·06	59	54	+ 2	NNE	3	bw	*	c.bc.bw	*	72	46	-
British Islands.	Ardrossan ...	30·20	66	NE	4	bm	30·26	+·01	54	53	- 5	NE	5		2	bm	*	70	49	-
	Malin Head ...	30·19	57	E	3	c	30·19	-·07	55	54	- 1	ESE	4		2	c	*	64	53	-
	Belmullet ...	30·19	65	ENE	2	b	30·15	-·09	64	59	+ 4	ENE	1	0	*	bc.b	*	68	55	-
	Donaghadee ...	30·21	69	NNW	3	b	30·26	+·01	56	54	0	NW	2		0	b	*	71	56	-
	Liverpool (Bidston)	30·14	71	E	1	b	30·21	+·02	66	55	+ 6	E	1	b	?	b	*	72	53	-
	Holyhead ...	30·17	58	N	2	bc mt	30·17	-·02	68	63	+ 11	E	1	b	1	bc,mt	*	68	54	-
	Parsonstown ...	30·15	72	L	0	c	30·17	-·06	60	57	+ 1	L	0	0	*	b,c	10·1	73	48	-
	Valencia ...	30·19	62	N	1	bc	30·19	-·02	59	53	0	L	0	bc	1	b.bc	13·1	62	45	-
	Roche's Point ..	30·18	61	SSW	2	b	30·18	-·04	58	55	0	N	1	b	1	b	*	64	53	-
	Pembroke (St. Ann's Hd.)	30·13	66	NNE	3	b	30·17	-·05	63	57	+ 1	SE	3	bm	2	b	13·7	67	52	-
	Scilly	30·15	59	NW	3	c	30·12	-·06	58	56	+ 1	N	2	cw	0	c	13·3	61	55	-
	Prawle Point ...	30·10	70	W	1	c	30·14	+·01	67	61	+ 1	NNE	3	b	2	c	*	71	57	-
	Jersey (St. Aubin's)	30·10	65	NNW	3	bm	30·10	·00	62	58	0	NNE	3	bm	3	bm	*	70	58	-
	Hurst Castle ...	30·07	68	NNE	1	cm	30·12	+·06	63	58	- 3	NE	2	bm	2	cm	*	68	54	-
	Dungeness ...	30·02	60	N	3	c	30·06	+·09	63	58	+ 3	N	3	bc	2	c	*	64	55	0·02
	North Foreland	30·06	56	N	3	o	30·09	+·08	57	54	+ 1	NW	4	bc	3	c.o	*	57	54	0·01
	London (Brixton) ...	30·09	61	NE	3	bc	30·12	+·06	60	55	+ 3	N	2	b	*	or.g.bc	0·0	62	50	0·18
	Oxford	30·14	59	NNE	1	b	30·18	+·08	62	56	+ 2	NE	3	b	*	b	*	71	48	-
	Cambridge ...	30·12	62	N	2	b	30·16	+·07	58	56	+ 4	N	4	b	*	r,b	2·8	63	44	0·32
	Yarmouth ...	30·08	60	N	3	bc	30·13	+·08	58	55	+ 3	N	4	b	3	bc	*	60	52	0·01
Germany & Holland.	Cuxhaven ...	30·09	66	E	3	b	30·10	-·04	60	59	0	E	2	c	*	b	*	72	57	-
	Berlin	30·08	73	ESE	2	b	30·10	-·05	68	59	+ 2	ESE	3	b	*	b	*	82	59	-
	Wiesbaden ...	*	*	*	*	*	30·00	+·02	68	61	+ 7	SE	2	b	*	*	*	70	61	0·16
	Munich	29·98	60	L	0	o	29·97	-·08	61	59	+ 1	E	2	0	*	0	*	70	57	0·24
	The Helder ...	30·00	64	NE	4	c	30·05	+·03	64	60	+ 2	NE	2	b	2	c	*	64	59	-
Belgium. France &	Brussels ...	*	*	*	*	*	30·01	+·03	65	62	+ 6	NNE	1	b	*	0	*	69	58	0·20
	Cape Gris Nez ...	?	56	ENE	3	0	?	?	57	54	+ 1	NE	2	m	2	0	*	61	54	-
	Paris	30·01	60	N	2	0	30·03	+·04	59	59	+ 1	NW	1		*	0	*	60	58	-
	Brest	30·16	58	N	3	b	30·11	-·06	54	54	0	N	1		1	b	*	61	52	-
	Lorient	30·10	66	NE	4	c	30·10	-·05	58	56	+ 3	N	2	b	2	c	*	73	52	-
	Rochefort ...	30·08	64	NNW	4	b	30·07	-·05	62	59	+ 1	NE	3	0	*	b	*	70	59	-
	Belfort	29·95	62	NSW	4	0	29·95	-·02	59	57	- 1	W	1	m	*	0	*	69	54	-
	Lyons	30·03	65	NW	1	0	29·99	-·06	64	60	+ 1	NNW	1	c	*	0	*	68	55	-
	Nice	29·89	63	L	0	c	29·85	-·10	62	59	- 3	L	0	c	0	c	*	77	57	0·28
	Perpignan ...	30·04	72	W	3	b	30·00	-·07	67	60	+ 2	NW	3	bc	*	b	*	75	60	-
	Biarritz ...	30·09	67	NW	3	b	30·05	-·06	63	60	+ 4	SSW	2	b	1	b	*	68	57	-
Peninsula.	Corunna ...																*			
	Lisbon	30·08	60	NNW	5	b	30·06	-·04	62	57	- 2	NNW	4	0	*	b	*	77	59	-
	Azores (P. Delgada)	30·08	63	NE	1	bc	30·10	+·13	63	62	0	NNE	1	b	2	bc	*	70	59	-

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

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

Bright Sunshine yesterday Southport 14·5 hrs;

WEATHER CHARTS

FOR Saturday, 11th June, 1898

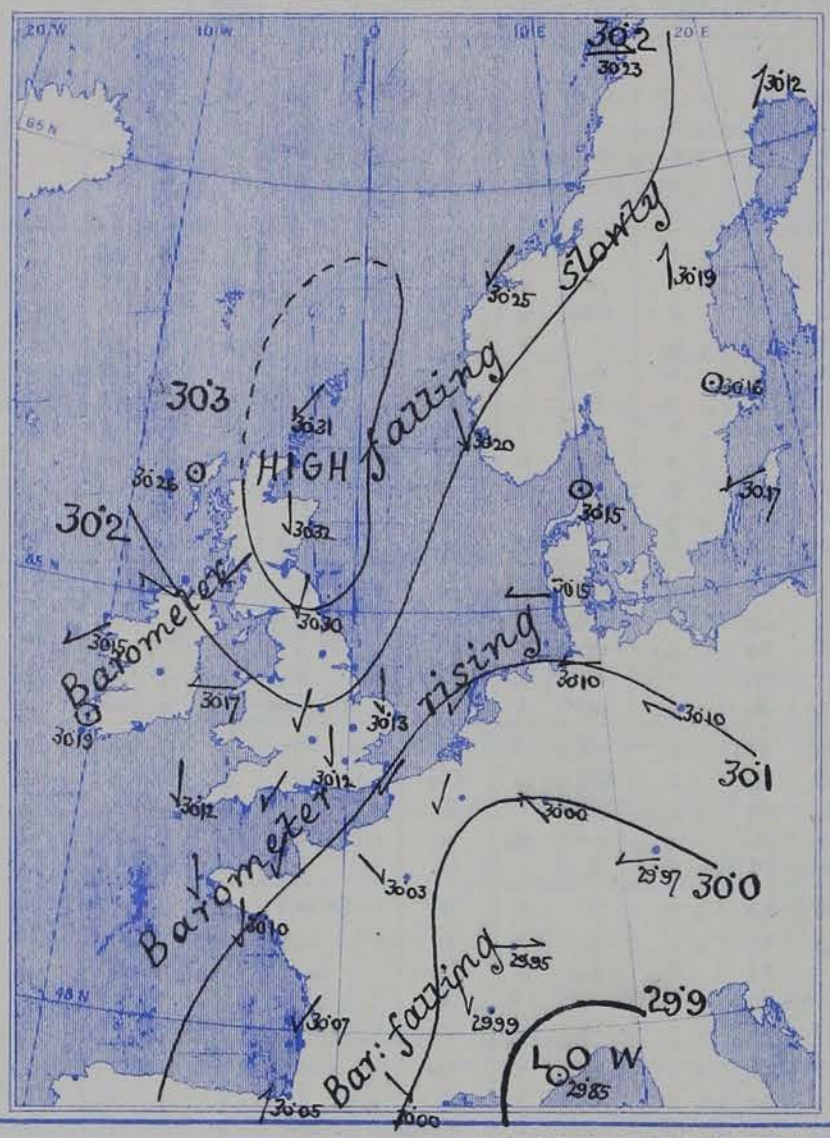
BAROMETER, WIND AND SEA.

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

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

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

SEA—Rough ▤ ; *High* ▩

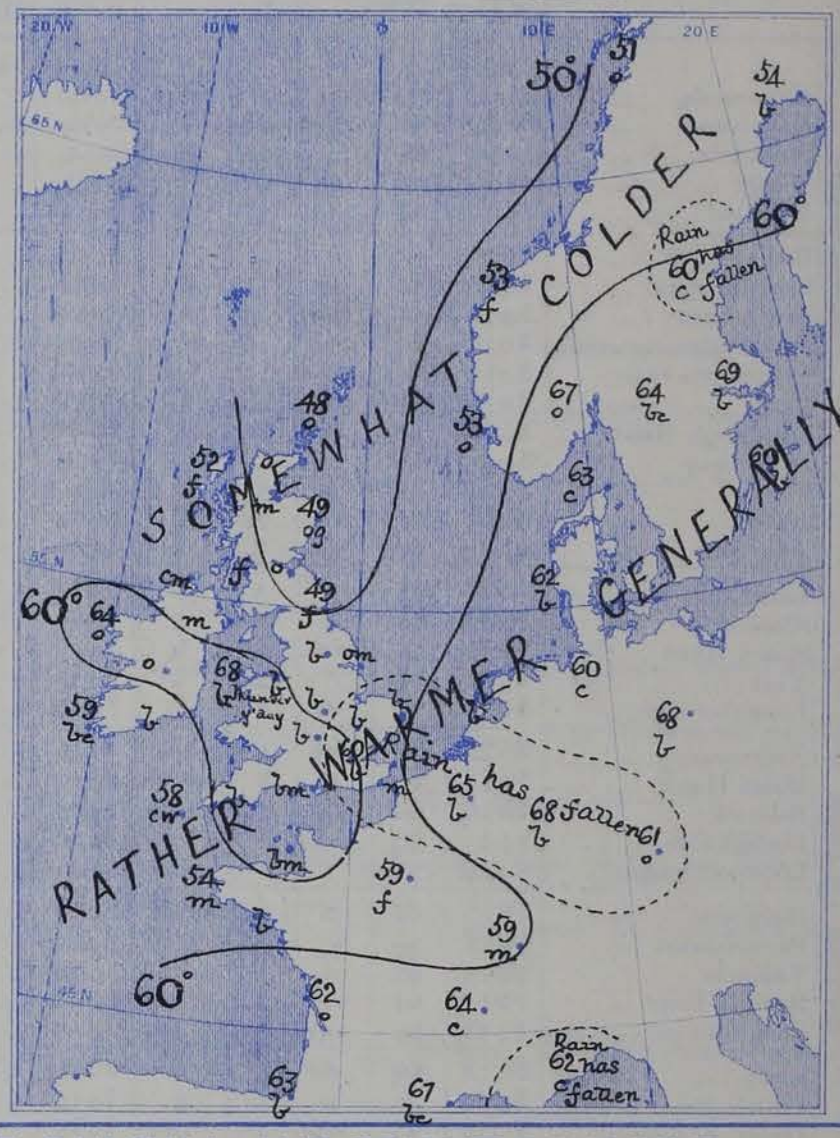


TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

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



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

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of				Absolute Extremes.				RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95.	
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum	Years.	Minimum.	Years		Hours.	Per cent. of possible.
	(*Inches.*)	°	°	°	°	°		°		(*Inches.*)		
Sumburgh Head	29·898	50·5	48·7	54·6	45·0	70	1891	33	1888	1·93	—	—
Stornoway	29·894	53·4	51·4	58·2	46·0	76	1893	31	1888	2·76	185·1	35
Wick	29·916	53·4	50·8	58·9	45·5	79	1878	30	1881	1·75	—	—
Nairn	29·917	54·4	51·0	62·3	47·3	86	1876	30	1888	1·73	—	—
Aberdeen	29·933	54·8	50·8	61·0	47·2	80	1881, 87	30	1888	1·80	196·5	37
Leith	29·943	55·9	52·3	63·9	48·0	86	1887	34	1886	1·79	—	—
Shields	29·959	54·9	51·8	60·6	48·5	76	1878, 84	37	1881, 86, 95	1·71	—	—
Spurn Head	29·971	55·3	52·8	60·3	51·1	80*	1885	34*	1881	1·64	—	—
York	29·979	56·1	52·7	66·2	48·4	88	1878	35	1894	2·21	173·0	34
Loughborough	29·991	57·7	53·8	68·6	48·8	86*	1893	32*	1895	2·20	—	—
Ardrossan	29·944	55·3	52·3	62·1	49·4	85	1878	36	1890	2·32	—	—
Malin Head	29·934	53·6	51·2	59·0	50·8	—	—	—	—	—	—	—
Belmullet	29·953	56·2	53·2	60·8	51·4	—	—	—	—	2·85	—	—
Donaghadee	29·959	55·1	53·0	61·5	49·7	77	1887	36	1880	2·03	—	—
Holyhead	29·976	55·9	53·4	61·7	51·3	83	1878	42	1882	1·97	—	—
Liverpool	29·976	57·0	52·8	64·0	51·1	85	1878, 93	38	1872	1·99	—	—
Parsonstown	29·981	56·2	52·9	64·9	48·5	85	1887	32	1881	2·34	173·7	35
Valencia	29·984	57·4	54·5	62·5	51·2	81	1887	40	1875, 80, 82	3·34	203·4	41
Roche's Point	29·983	57·0	53·8	64·3	51·3	80	1876, 87	41	1881	3·07	—	—
Pembroke	29·983	55·4	53·4	60·5	51·6	79	1893	38	1888	1·88	234·7	48
Scilly	30·002	57·5	55·3	61·5	53·2	75	1893	41	1888	1·76	—	—
Prawle Point	30·010	57·1	54·7	61·7	50·7	79*	1887	39*	1881	1·59	—	—
Jersey	30·019	59·0	55·9	64·9	52·8	87	1872	39	1890	1·86	243·1	51
Hurst Castle	30·007	57·9	55·7	64·6	52·0	84	1893	38	1881	1·83	—	—
Dover	29·989	58·2	55·0	63·0	52·3	77	1878	37	1890, 91, 92, 93	1·52	—	—
LONDON	30·001	58·9	54·6	69·2	50·6	91	1878	35	1880	1·99	167·4†	34†
Oxford	29·996	56·8	53·3	67·1	49·9	86	1876, 93	35	1892, 93	2·11	192·1	39
Cambridge	29·994	58·1	54·7	68·8	48·4	88	1888, 93	33	1892	2·14	195·3	40
Yarmouth	29·983	56·8	54·0	61·9	51·0	81	1877, 88	40	1892	1·86	—	—

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

† The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·3 ins: and more over Scotland, and exceeding 30·1 ins: all over our Islands and the northeastern shores of the North Sea.
Lowest, below 29·9 ins: in the south of France, and below 30·0 ins: over South Germany.
Gradients slight. Barometer falling a little except over the southeastern parts of England and the Netherlands, where it is rising slowly.

TEMPERATURE

Highest, 69° at Stockholm, 68° at Berlin, Wiesbaden, and Holyhead.
Lowest, 48° to 50° at nearly all the Scotch stations, 54° at Ubert, 53° to 51° in the west of Norway.
The maxima registered yesterday were 70° to 72° over Central England, 77° at Nice, 82° at Berlin and the South. In London it was only 62° and at Paris 60°.

WIND

Very variable and light over Scandinavia, Scotland and Ireland; N. over England, light at the eastern stations, moderate in the east; N.E. to W. over France.

WEATHER

Fine over our Islands generally, but hazy in some parts of Scotland. At most of the Continental stations also it is fine.
Further falls of rain occurred yesterday at our eastern stations and over the Netherlands, but the amounts are not large.
Bright Sunshine recorded yesterday was from 10 to 14 hours at our northeastern and western stations, but very slight over our southeastern counties; in London there was none.

SEA

Moderate to slight on our eastern coasts, slight to very smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Fine weather is probable generally, with rising temperatures.

FORECASTS

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

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	Very light airs, fair, hazy.
1	SCOTLAND EAST	
2	ENGLAND N.E.	
3	ENGLAND EAST	N. to N.E. breezes, light; fine, warmer.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	N. to N.E. and Variable airs; fine generally.
7	ENGLAND N.W.	
8	ENGLAND S.W.	
9	IRELAND NORTH	Very Variable airs; fine, hazy.
10	IRELAND SOUTH	
	WARNINGS	NONE ISSUED

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	30·32	70	61	NW	2	b	1
Sumburgh Head	30·35	50	49	NE	3	o	3
Stornoway	30·28	61	57	E	3	b	3
Aberdeen	30·31	54	52	E	2	bc	2
Shields	30·26	55	54	N	3	c	3
Ardrossan	30·22	70	65	ENE	3	bm	2
Malin Head ...	30·24	61	58	E	3	c	2
Belmullet	30·22	66	57	NNE	3	bc	*
Holyhead	30·18	59	57	NNE	2	b	1
Valencia	30·20	60	56	WSW	3	b	3
Scilly	30·18	59	56	NW	3	cm	1
Jersey	30·10	70	62	WNW	3	b	3
Hurst Castle ...	30·08	67	62	NE	3	cm	2
Dungeness ...	30·00	61	60	N	3	c	2
North Foreland	30·04	57	56	NNW	4	c	3
London (Westminster)	30·08	60	57	NNE	2	og	*
Yarmouth ...	30·07	58	56	NNE	3	bc	3
Rochefort ...	30·12	68	66	NNW	4	b	*

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

Weather in morning fine and bright over the western and northern parts of our Islands, almost the whole of Scandinavia and many parts of southern, southwestern and central Europe; but dull, foggy and raining over the northeast of France, western Germany, the Netherlands, and southeastern part of England. Rain falling later (but not in large quantity) over the last named regions, considerable fog experienced on our northeast coasts, thunder at Holyhead, but weather on the whole improving considerably.

Temperature in morning very irregularly distributed. Highest (1) 89° at Malta, 81° at Pindivi, and above 70° at many of the Mediterranean and Adriatic stations; (2) 69° at Stockholm, 67° at Memel, and much above 60° at the Swedish stations and on the shores of the Gulf of Finland. Lowest 49° at Sumburgh Head and Shields, 50° at Wick, and at Bodø, and below 60° over Ireland, and 52° to 57° over the east and southeast of England. Rising later to 70° and more in several parts of Scandinavia and the British Islands, and to 82° at Paris and Berlin, but not touching 60° in the northeast of England, and reaching only 60° at Paris and 62° in London.

Wind very light generally (1) chiefly N. to E. over Scandinavia and the British Islands, N. to NW. in the west and south of France, but E. over Germany, SE. at Münster, SW. at Brussels; (2) Calm over the southern half of Ireland and at Pembroke. No decided change later.

Barometer highest 30·3 ins. and more to 30·2 ins. over Ireland, Scotland, the Baltic, Finland, and Scandinavia. Lowest (1) about 29·8 ins. to 29·9 ins. in a depression over the south of Russia; (2) Below 30·0 ins. over the northeast and east of France, the west of Germany and the north of Italy, as well as over Tunis and Malta. Rising later at our southeastern stations and over the Netherlands, falling slightly in Ireland and the northwest of Scotland.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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DAILY WEATHER REPORT

for 8 a.m. on Sunday 12th June, 1898.

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

	STATIONS.	YESTERDAY EVENING (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)								PAST 24 HOURS.				
		Barom.	Temp.	Wind.			Barometer.		Temperature.			Wind.					Temp.		
		At 32° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)	Weather	At 32° Fahr. and M. S. L.	Change since Yesterday.	Dry Bulb.	Wet Bulb.	Change since Yesterday.	Direc.	Force (0 to 12.)	Weather.	Sea (0 to 9.)	Weather.	Hours of Bright Sunshine.	Max.	Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
Scandinavia.	Haparanda ...	30·05	55	2	•	b	30·00	−·12	51	45	− 3	N	4	o	*	b	*	64	46	—
	Hernösand ...	30·03	53	2	o	b	29·90	−·29	51	54	− 3	NW	2	o	*	b	*	63	50	0·47
	Stockholm ...	30·02	61	2	o	b	29·91	−·25	61	51	− 8	2	o	o	*	b	*	73	54	—
	Wisby	30·05	61	WSW	4	b	29·94	−·23	61	56	+ 1	WSW	4	b	*	b	*	70	48	—
	Karlstad ...	30·01	62	NNE	2	bc	29·96	−·17	60	56	− 4	NW	2	bc	*	bc	*	*	*	—
	Bodö	30·13	49	N	2	b	30·11	−·12	51	46	o	N	4	b	1	b	*	55	46	—
	Christiansund ...	30·18	51	NE	3	r	30·15	−·10	48	46	− 5	SW	2	c	3	r	*	55	46	0·43
	Skudesnaes ...	30·15	52	NNW	8	c	30·17	−·03	51	46	− 2	NNW	7	c	2	c	*	57	46	*
	Færder (Christiania Fjord)	30·00	65	NE	4	c	29·94	−·18	60	55	− 7	N	4	b	1	c	*	68	57	—
	Skagen (The Scaw)	30·04	58	W	2	b	29·95	−·20	59	58	− 4	NNW	2	mr	0	b	*	72	50	—
	Fanö	30·12	55	NW	4	b	30·09	−·06	55	52	− 7	NW	7	b	*	b	*	75	52	—
	Sumburgh Head	30·30	49	NW	1	o	30·31	·00	46	44	− 2	N	1	o	2	o	*	50	43	—
	Stornoway ...	30·23	60	E	3	c	30·24	−·02	55	53	+ 3	2	o	b	o	bc, c	12·5	61	45	—
	Wick	30·30	49	SE	1	o	30·31	−·03	49	46	+ 1	SE	1	o	1	bc, o	*	51	46	—
	Nairn	30·30	51	E	2	o	30·29	−·03	50	49	+ 2	2	o	d	1	o	*	54	46	0·01
	Aberdeen ...	30·32	48	E	2	o	30·32	·00	46	45	− 3	SE	1	og	2	bc, o	2·9	52	45	—
British Islands.	Leith	30·28	53	E	1	o	30·29	−·01	48	47	− 1	2	o	om	*	o	*	54	45	—
	Shields	30·30	49	NNE	2	o	30·33	+·03	47	46	− 2	E	1	o	3	f o	*	51	45	—
	Spurn Head ...	30·24	50	N	5	o	30·29	+·10	50	48	o	NNE	3	opd	3	o	*	53	47	—
	York	30·26	60	N	2	b	30·32	+·08	49	47	− 8	NW	1	o	*	b	12·8	65	47	—
	Loughborough ...	30·22	66	NNE	3	bc	30·30	+·08	50	49	− 9	NE	2	ogm	*	3 bc, om	*	71	49	—
	Ardrossan ...	30·20	65	NNE	4	baf	30·25	−·01	53	52	− 1	NE	2	bm	1	baf	*	67	47	—
	Malin Head ...	30·18	60	ESE	2	om	30·18	−·01	59	56	+ 4	E	1	bm	1	om	*	63	54	—
	Belmullet ...	30·20	60	W	1	o	30·27	+·12	59	56	− 5	NE	1	c	*	o	*	64	53	—
	Donaghadee ...	30·24	62	NW	2	bc	30·27	+·01	55	53	− 1	NW	3	c	1	bm	*	64	52	—
	Liverpool (Bidston)	30·19	69	ENE	3	bm	30·25	+·04	55	52	− 11	ESE	4	bc	3	bm	*	72	53	—
	Holyhead ...	30·19	61	NW	1	c	30·22	+·05	62	60	− 6	W	1	cm	0	c	*	70	55	—
	Parsonstown ...	30·17	67	NW	1	o	30·23	+·06	57	55	− 3	NW	1	o	*	c, o, bc	2·2	70	54	0·04
	Valencia ...	30·21	59	W	1	o	30·27	+·08	57	55	− 2	NW	3	o	3	c, o	8·2	64	48	—
	Roche's Point ..	30·21	61	SSE	1	cm	30·23	+·05	55	54	o	NNW	3	b	3	cm	*	62	52	—
	Pembroke (St. Ann's Hd.)	30·16	68	NW	4	b	30·22	+·05	59	56	− 4	SE	3	bm	3	b	13·4	68	56	—
	Scilly	30·16	61	NW	2	c	30·20	+·08	59	56	+ 1	NNW	3	cw	o	c	10·7	63	55	—
	Prawle Point ...	30·14	70	NNE	2	o	30·23	+·09	56	54	− 11	ENE	4	o	2	c	*	72	53	—
	Jersey (St. Aubin's)	30·11	68	ENE	2	bm	30·19	+·09	58	55	− 4	ENE	3	bcm	3	bm	*	70	54	—
	Hurst Castle ...	30·12	68	NE	2	bcm	30·24	+·12	58	53	− 8	NE	1	om	1	bm, bcm	*	72	52	—
	Dungeness ...	30·10	64	NNE	4	b	30·22	+·16	53	52	− 10	NNE	4	o	3	b	*	69	52	—
	North Foreland	30·16	54	N	4	b	30·25	+·16	52	51	− 5	N	4	o	3	b	*	60	50	—
	London (Brixton) ...	30·15	68	NE	3	b	30·24	+·12	52	50	− 8	NNE	2	og	*	b, c	13·5	77	50	—
	Oxford	30·22	59	ENE	3	b	30·28	+·10	50	48	− 12	ENE	3	o	*	b	*	73	48	—
	Cambridge ...	30·22	56	N	3	o	30·29	+·13	50	50	− 8	NNE	3	dg	*	o	13·2	67	48	—
	Yarmouth ...	30·18	55	N	4	c	30·25	+·12	51	50	− 7	N	3	cg	3	b, c	*	60	48	—
Germany & Holland.	Cuxhaven ...	30·05	66	N	2	b	30·12	+·02	58	58	− 2	NNW	4	bc	*	b	*	70	57	—
	Berlin	29·99	72	SE	2	c	30·03	−·07	60	56	− 8	NW	4	o	*	c	*	81	59	—
	Wiesbaden ...	*	*	*	*	*	30·07	+·07	69	62	− 1	NW	2	b	*	*	*	79	61	—
	Munich	29·99	60	W	5	b	30·11	+·14	59	56	− 2	N	4	o	*	b	*	72	54	0·20
	The Helder ...	30·08	61	NNE	2	b	30·19	+·14	54	52	− 10	NNE	3	o	2	b	*	68	52	—
Belgium.	Brussels ...	*	*	*	*	*	30·20	+·19	58	55	− 7	N	1	c	*	b	*	77	54	—
	Cape Gris Nez ..	?	56	ESE	4	m	?	?	54	51	− 3	ESE	4	o	4	m	*	61	50	—
	Paris	30·02	66	WSW	4	b	30·15	+·12	55	54	− 4	NNE	3	m	*	b	*	74	54	0·83
	Brest	30·08	68	N	2	b	30·15	+·04	58	57	+ 4	ENE	2	o	1	b	*	75	54	—
	Lorient	30·08	66	W	2	c	30·12	+·02	62	59	+ 4	E	3	c	2	c	*	75	52	—
France &	Rochefort ...	30·04	66	NNW	4	o	30·08	+·01	63	63	+ 1	2	o	m	*	o	*	75	59	—
	Belfort	29·96	63	2	o	o	30·01	+·06	62	59	+ 3	2	o	m	*	o	*	73	51	—
	Lyons	29·97	68	N	1	c	30·03	+·04	65	61	+ 1	N	1	b	*	c	*	73	60	—
	Nice	29·85	64	SW	2	c	29·86	+·01	69	63	+ 7	E	2	b	o	c	*	73	59	—
	Perpignan ...	29·94	74	NW	2	b	30·02	+·02	71	63	+ 4	NW	3	b	*	b	*	79	62	—
	Biarritz ...	30·01	68	NW	2	b	30·05	·00	65	53	+ 2	NNW	3	c	1	b	*	76	63	—
Peninsula.	Corunna ...																*			
	Lisbon	30·03	62	N	4	bc	30·00	−·06	65	61	+ 3	NNE	3	c	*	bc	*	72	59	0·16
	Azores (P. Delgada)	30·16	64	SE	1	bc	30·14	+·04	67	62	+ 2	E	1	b	2	bc	*	72	59	—

For Explanation of Columns, see bottom of last page.

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

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

Bright Sunshine yesterday Southport 13·4 hrs;

WEATHER CHARTS

FOR 1898

Sunday 12th June

BAROMETER, WIND AND SEA.

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

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

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

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

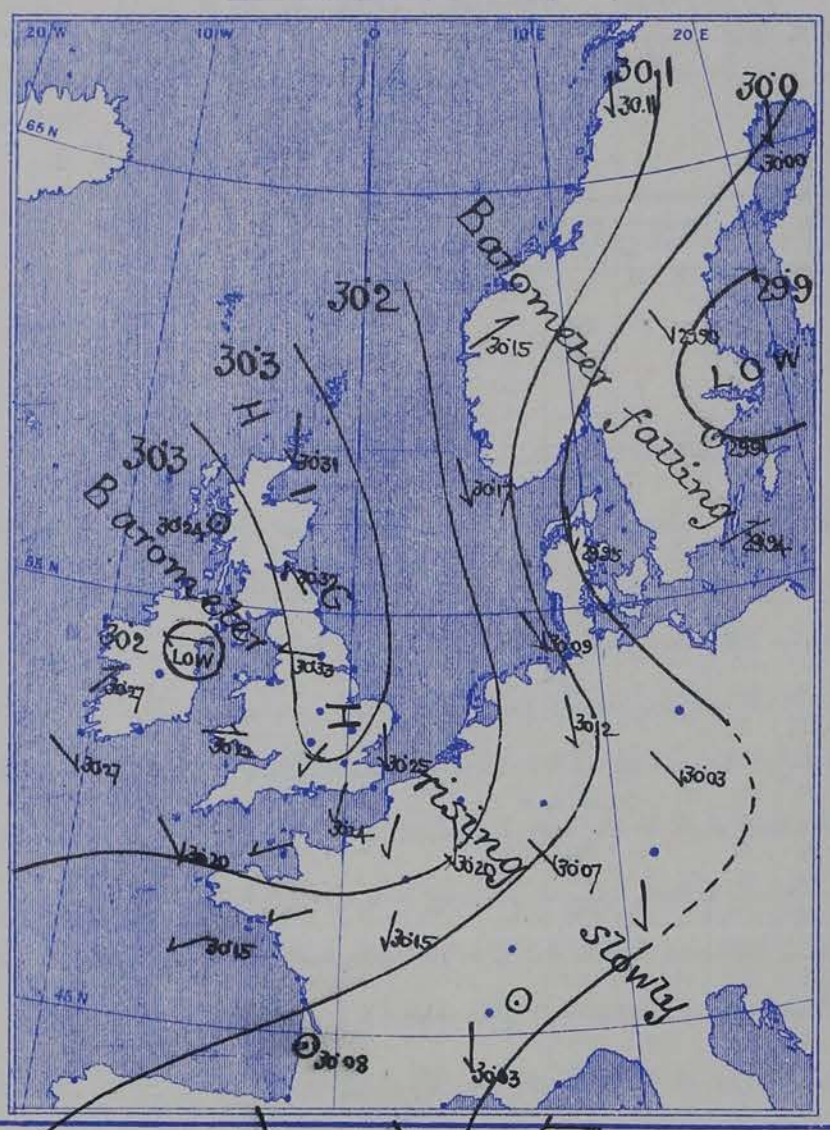
SEA—Rough ▤ ; *High* ▦

TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

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


20 W
10 W
0
10 E
20 E
65 N
55 N
45 N
Barometer falling
Barometer rising
Slowly
LOW
H
30·1
30·0
29·9
30·2
30·3
30·3
30·2
30·3
30·2
30·1
30·0
29·9
29·9
30·3
30·2

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·3 in: and more to 30·2 in: over the whole of our Islands, Belgium, and the eastern half of the North Sea.
Lowest, 29·9 in: and less, over Central Sweden and also over the Riviera.
Gradients slight. Distribution over our Islands anticyclonic except over the north of Ireland.

TEMPERATURE

Barometer changing little and irregularly over our Islands, falling over Scandinavia and the Baltic.

Highest, 71° at Perpignan, 69° at Nice, 65° to 62° over the southern half of France as a whole; 61° at Wick and Stockholm, 57° to 59° in Ireland.
Lowest, 46° to 50° over the eastern parts of Scotland and the north eastern and midland parts of England, 51° at Yarmouth, 52° in London.

WIND

The maxima recorded yesterday exceeded 70° in many parts of England and touched 77° in London; that at Paris was 74°, at Nice 73°, and that at Berlin 81°. The thermometer fell quickly over the east of England last night.

Very light and extremely variable on our north eastern and northern coasts, light N¹ to NE¹ over England as a whole; N¹ to W¹ over Scandinavia and strong in places, N¹ over France.

WEATHER

The N² breeze at our eastern stations showed some sign of freshening.

Cloudy over our Islands generally – most in the east, with very slight drizzle at times at Spurn Head and Cambridge, dull over the Continent as a whole, but clear and bright in the south of France.
Very fine weather prevailed over our Islands and France yesterday, but there were some sharp local rains over Sweden and Norway.

SEA

Bright Sunshine recorded yesterday ranged from 2·2 hrs at Parsonstown to 13·5 hrs: in London.

Slight to smooth very generally.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

For the 24 hours ending at NOON on 13th June 1893

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

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	30·17	57	53	NNW	8	c	2
Sumburgh Head	30·31	50	48	N	1	o	3
Stornoway	30·25	60	56	E	3	bc	3
Aberdeen	30·33	50	48	E	3	bc	2
Shields	30·31	50	50	NNE	2	f	3
Ardrossan	30·23	66	63	NE	4	bf	2
Malin Head ...	30·19	58	55	ESE	4	c	3
Belmullet	30·19	62	53	W	1	o	*
Holyhead	30·21	65	60	NW	2	c	1
Valencia	30·19	63	55	WNW	1	c	2
Scilly	30·15	62	59	N	2	c	0
Jersey	30·21	69	62	NE	2	b	2
Hurst Castle ...	30·11	70	64	ENE	1	bm	1
Dungeness ...	30·08	67	62	NNE	4	b	3
North Foreland	30·14	58	55	N	4	b	4
London (Westminster)	30·13	71	62	NNE	3	b	*
Yarmouth	30·17	58	55	N	4	b	4
Rochefort ...	30·03	71	72	N	3	c	*

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

Weather in morning still fine over Ireland, Scotland, many parts of Sweden, the Baltic, Russia, Germany, Holland, and the eastern and southern parts of our Islands, cloudy as a whole elsewhere, fog prevalent in the west of Scotland. Rain prevalent later very locally in some parts of Scandinavia, Germany and France, thunder reported at Valencia. Very fine over England all day.

Temperature in morning highest 79° at Brindisi, 76° at Constantinople and Athens, 71° at Malta, Palermo and Algiers; 68° at Wiesbaden and Berlin, as well as at Holyhead, 67° at Flensburg, 66° at Riga, 65° at Helsingfors. Lowest only 48° to 49° over the northeastern and eastern parts of Great Britain, 50° at Spurn Head, 52° at Stornoway, 51° at Bodö; 59° at Paris and Belfort. Rising later to 65° at York, 71° in London and Brussels, 79° at Wiesbaden and at Perpignan, but readings not at all uniform over large areas. Succeeding night much colder over England.

Wind light generally — NE¹ to N³ over our Islands (moderate on our east coasts); very variable over Scandinavia, NE¹ over Germany, N¹ and NW³ over France, extremely variable on the Mediterranean shores. Becoming very variable in Ireland later.

Barometer highest 30·3 ins. and more over the northeast of Scotland and exceeding 30·2 ins. over the northern parts of our Islands and the west of Norway. Lowest Below 29·9 ins. over the Riviera, Italy, the whole of southeastern Europe and the south of Russia. The depression over Belgium and the northeast of France almost entirely filled up. Rising over our Islands all day, but beginning to fall over Sweden and Norway.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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

DAILY WEATHER REPORT

for 8 a.m. on Monday 13th June 1898.

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

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb.	Temperature. Wet Bulb.	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max.	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
Scandinavia	Haparanda ...	29.90	55	2	0	b	29.92	−.08	55	48	+ 4	N	2	b	*	b	*	59	48	—
	Hernösand ...	29.92	53	NW	2	0	29.95	+.05	56	49	− 1	NW	6	bc	*	0	*	61	50	—
	Stockholm ...	29.82	55	2	0	r	29.77	−.14	49	48	− 12	N	2	r	*	r	*	72	49	—
	Wisby	29.78	58	ENE	4	c	29.73	−.21	55	53	− 6	NNW	4	o	*	c	*	73	54	0.08
	Karlstad ...	29.88	56	NW	4	o	29.93	−.03	52	48	− 8	N	6	c	*	o.r	*	*	*	0.63
	Bodö	30.13	51	N	4	b	30.15	+.04	45	41	− 6	NNW	4	b	1	b	*	54	43	—
	Christiansund ...	30.21	54	N	2	r	30.25	+.10	52	50	+ 4	NE	4	o	3	r	*	56	?50	0.08
	Skudesnaes ...	30.13	52	NNW	7	c	30.15	−.02	53	49	+ 2	NNW	6	c	2	c	*	55	46	*
	Færder (Christiania Fjord)	29.95	59	N	6	b	30.01	+.07	55	48	− 5	N	6	b	3	b	*	63	54	—
	Skagen (The Scaw)	29.98	54	N	3	r	30.01	+.06	55	50	− 4	NE	4	bc	1	r	*	66	52	0.04
	Fanö	30.09	51	NW	6	bc	30.08	−.01	55	52	0	NW	5	bc	*	bc	*	59	50	—
British Islands	Sumburgh Head	30.30	48	N	1	o	30.32	+.01	45	43	− 1	N	1	o	2	o	*	49	42	—
	Stornoway ...	30.26	58	ESE	4	b	30.34	+.10	51	49	− 4	E	3	c	3	b	14.2	62	48	—
	Wick	30.32	49	SE	2	o	?30.34	+.03	47	45	− 2	E	1	o	1	o	*	53	42	—
	Nairn	30.31	51	E	2	o	30.36	+.07	50	47	0	E	1	c	1	o	*	53	46	—
	Aberdeen ...	30.33	48	ESE	2	o	30.37	+.05	48	45	+ 2	N	1	og	1	o	0.0	50	45	—
	Leith	30.28	51	ENE	1	o	30.35	+.06	50	47	+ 2	E	2	o	*	o	*	54	47	—
	Shields	30.29	50	E	2	o	30.35	+.02	48	47	+ 1	NE	2	o	3	o,d	*	52	46	—
	Spurn Head ...	30.27	49	NE	3	o	30.30	+.01	50	48	0	NNE	4	o	4	o.ov	*	53	48	—
	York	30.27	51	E	1	o	30.33	+.01	50	48	+ 1	NNE	1	o	*	c,o	4.0	59	42	—
	Loughborough ...	30.25	59	NE	2	c	30.32	+.02	48	46	− 2	E	3	ow	*	ow,c,ow	*	60	46	—
	Ardrossan ...	30.23	62	W	1	cw	30.33	+.08	54	52	+ 1	NE	1	of	1	cw	*	65	50	—
	Malin Head ...	30.27	53	NNW	3	ow	30.34	+.16	51	51	− 8	WNW	4	f	2	ow	*	60	51	0.06
	Belmullet ...	30.31	58	N	3	c	30.38	+.11	56	53	− 3	NNE	2	o	*	c	*	61	52	—
	Donaghadee ...	30.27	56	NNW	2	o	30.33	+.06	52	52	− 3	NNW	3	f	1	o	*	57	49	0.11
	Liverpool (Bidston)	30.21	64	E	2	b	30.30	+.05	52	49	− 3	ESE	1	o	?	b	*	67	50	—
	Holyhead ...	30.22	56	NW	3	oft	30.28	+.06	55	54	− 7	NW	2	f	1	oft	*	64	51	—
	Parsonstown ...	30.20	65	N	1	bc	30.33	+.10	53	52	− 4	N	1	w	*	bc	4.9	68	50	—
	Valencia ...	30.26	60	N	6	bq	30.30	+.03	60	56	+ 3	ENE	5	bw	4	bq	9.9	62	54	—
	Roche's Point ...	30.20	62	NNW	4	c	30.29	+.06	61	58	+ 3	ESE	1	bcw	1	zlr.c	*	68	54	0.06
	Pembroke (St. Ann's Hd.)	30.20	58	SE	2	o	30.26	+.04	56	52	− 3	ESE	3	bcw	2	c.o	6.6	61	54	0.02
	Scilly	30.23	59	NNW	2	c	30.19	−.01	58	56	− 1	NE	2	opw	1	c,t	11.9	63	54	—
	Prawle Point ...	30.20	54	ENE	2	c	30.24	+.01	52	50	− 4	ENE	4	c	3	c,tlp	*	57	50	0.03
	Jersey (St. Aubin's)	30.18	62	NE	3	bw	30.16	−.03	55	52	− 3	NE	3	ow	3	bc,bw	*	63	53	—
	Hurst Castle ...	30.21	59	SSW	1	cw	30.22	+.02	53	51	− 2	NE	4	ow	2	cw	*	65	53	—
	Dungeness ...	30.20	55	NE	4	c	30.19	−.03	53	51	0	NE	4	c	3	c	*	58	51	—
Germany & Holland	North Foreland	30.24	52	NNE	4	o	30.25	.00	52	49	0	NE	4	o	3	o	*	54	49	—
	London (Brixton) ...	30.23	54	NNE	1	og	30.27	+.03	50	48	− 2	NE	2	og	*	og	0.0	56	48	—
	Oxford	30.25	52	NE	3	og	30.30	+.02	48	46	− 2	NE	2	og	*	og,d	*	57	47	—
	Cambridge ...	30.25	54	N	2	o	30.30	+.01	50	48	0	NNE	2	dg	*	o	0.0	55	46	—
	Yarmouth ...	30.23	53	NNE	3	cw	30.25	.00	51	48	0	NNE	4	c	3	cw	*	54	49	—
	Cuxhaven ...	30.13	56	WNW	6	c	30.14	+.02	53	52	− 5	NW	5	o	*	c	*	59	52	—
	Berlin	30.01	68	W	1	b	30.08	+.05	53	49	− 7	WNW	4	o	*	b	*	75	50	0.08
	Wiesbaden ...	*	*	*	*	*	30.12	+.05	63	59	− 4	N	1	b	*	*	*	79	55	—
	Munich	30.15	57	W	4	bc	30.17	+.06	63	58	+ 4	SE	3	bc	*	bc	*	70	50	0.16
	The Helder ...	30.20	53	NNE	2	c	30.22	+.03	53	50	− 1	NNE	3	o	2	c	*	59	50	—
France & Belgium	Brussels ...	*	*	*	*	*	30.21	+.01	50	48	− 8	NE	3	o	*	o	*	71	48	—
	Cape Gris Nez ...	?	53	ENE	4	o	?	?	55	52	+ 1	ENE	5	bc	5	o	*	55	50	—
	Paris	30.12	70	NE	2	b	30.12	−.03	63	60	+ 8	NE	1	w	*	b	*	71	57	—
	Brest	30.12	69	NE	2	b	30.09	−.06	54	53	− 4	ENE	4	o	2	b	*	79	50	—
	Lorient	30.10	70	NE	3	c	30.07	−.05	56	52	− 6	NE	4	o	4	c	*	79	52	—
	Rochefort ...	30.06	72	NNW	1	b	30.00	−.08	68	66	+ 5	N	1	o	*	b	*	77	63	—
	Belfort	30.01	53	NE	2	o	30.04	+.03	60	56	− 2	E	4	w	*	o	*	71	52	—
	Lyons ...	29.98	77	SE	1	b	30.03	.00	64	59	− 1	N	1	b	*	b	*	80	59	—
	Nice	29.97	73	2	0	bc	30.03	+.17	64	63	− 5	SW	2	bc	1	bc	*	79	59	—
	Perpignan ...	29.97	80	NW	2	c	30.01	−.01	75	66	+ 4	SW	1	b	*	c	*	83	62	—
	Biarritz ...	30.04	69	NW	3	c	30.01	−.04	65	63	0	WSW	3	o	1	c	*	72	63	—
Peninsula	Corunna ...																*			
	Lisbon	29.99	66	?ENE	4	bc	30.01	+.01	62	61	− 3	ENE	3	f	*	bc	*	75	61	0.47
	Azores (P. Delgada)	30.19	66	ESE	1	bc	30.18	+.04	68	65	+ 1	ESE	1	bc	2	bc	*	72	64	—

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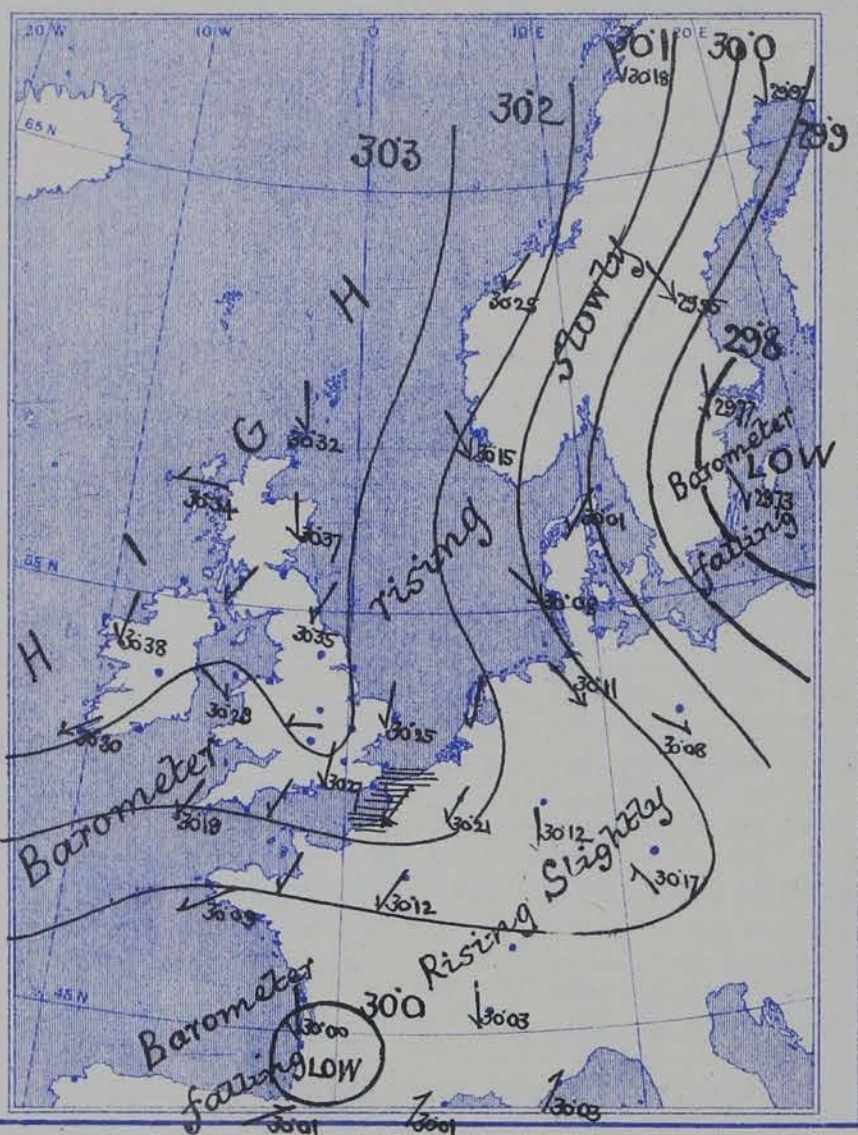
Force above 10 ⟶⟶ ; *Force 5 to 7* ⟶ ; *Force 8 to 10* ⟶ ; *Force 1 to 4* ⟶ ; *Calm* ⊙

SEA—Rough ; *High*



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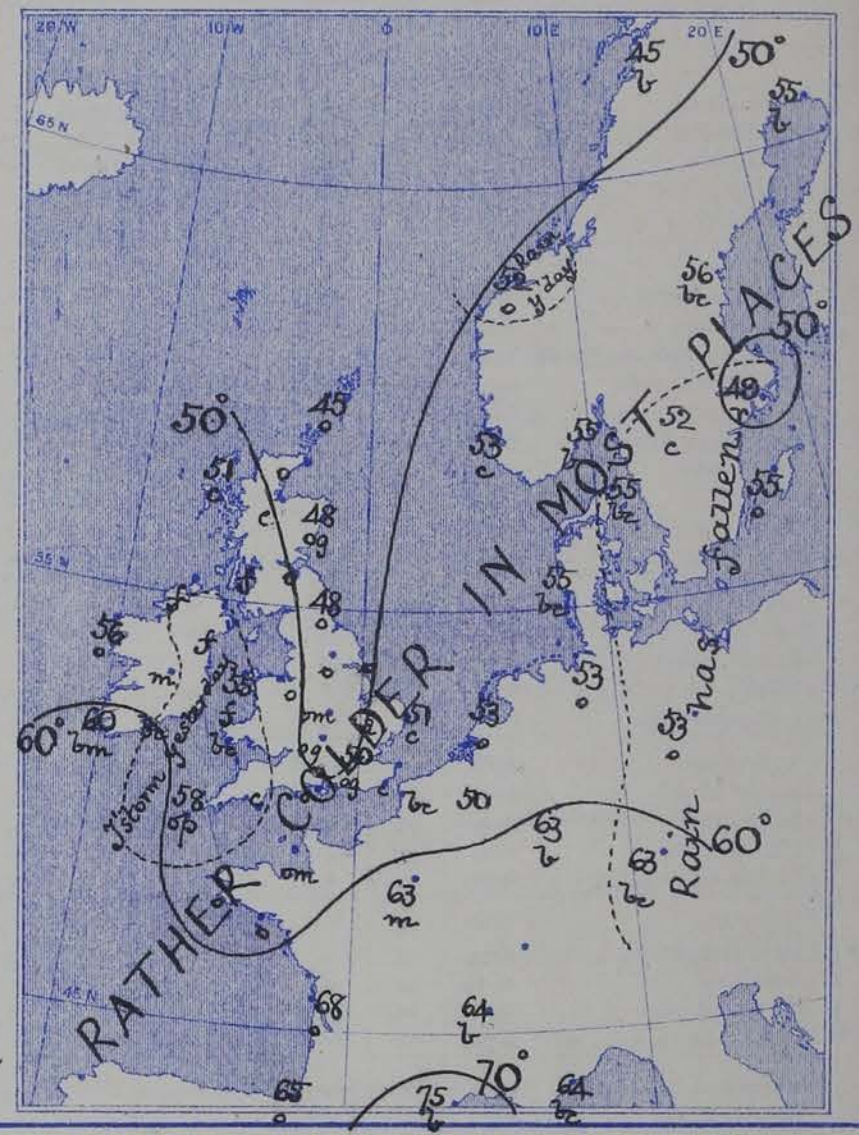


VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE IN THE MONTH OF JUNE.

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of Dry Bulb 8 a.m.	Means of Wet Bulb 8 a.m.	Means of Daily Maximum.	Means of Daily Minimum.	Absolute Extremes. Maximum	Years.	Minimum.	Years.	RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95. Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29·898	50·5	48·7	54·6	45·0	70	1891	33	1888	1·93	—	—
Stornoway	29·894	53·4	51·4	58·2	46·0	76	1893	31	1888	2·76	185·1	35
Wick	29·916	53·4	50·8	58·9	45·5	79	1878	30	1881	1·75	—	—
Nairn	29·917	54·4	51·0	62·3	47·3	86	1876	30	1888	1·73	—	—
Aberdeen	29·933	54·8	50·8	61·0	47·2	80	1881, 87	30	1888	1·80	196·5	37
Leith	29·943	55·9	52·3	63·9	48·0	86	1887	34	1886	1·79	—	—
Shields	29·959	54 9	51·8	60·6	48·5	76	1878, 84	37	1881, 86, 95	1·71	—	—
Spurn Head	29 971	55·3	52·8	60·3	51·1	80*	1885	34*	1881	1·64	—	—
York	29·979	56·1	52·7	66·2	48·4	88	1878	35	1894	2·21	173·0	34
Loughborough	29·991	57·7	53·8	68 6	48·8	86*	1893	32*	1895	2·20	—	—
Ardrossan	29·944	55·3	52·3	62·1	49·4	85	1878	36	1890	2·32	—	—
Malin Head	29·934	53·6	51·2	59·0	50·8	—	—	—	—	—	—	—
Belmullet	29·953	56·2	53·2	60·8	51·4	—	—	—	—	2·85	—	—
Donaghadee	29·959	55·1	53·0	61 5	49·7	77	1887	36	1880	2·03	—	—
Holyhead	29·976	55·9	53·4	61 7	51·3	83	1878	42	1882	1·97	—	—
Liverpool	29 976	57·0	52 8	64·0	51·1	85	1878, 93	38	1872	1·99	—	—
Parsonstown	29 981	56·2	52·9	64·9	48·5	85	1887	32	1881	2·34	173·7	35
Valencia	29·984	57·4	54·5	62·5	51·2	81	1887	40	1875, 80, 82	3·34	203·4	41
Roche's Point	29·983	57·0	53·8	64·3	51·3	80	1876, 87	41	1881	3·07	—	—
Pembroke	29·983	55·4	53·4	60·5	51·6	79	1893	38	1888	1·88	234·7	48
Scilly	30 002	57·5	55·3	61·5	53·2	75	1893	41	1888	1·76	—	—
Prawle Point	30·010	57·1	54·7	61·7	50·7	79*	1887	39*	1881	1·59	—	—
Jersey	30·019	59·0	55·9	64·9	52·8	87	1872	39	1890	1·86	243·1	51
Hurst Castle	30·007	57·9	55·7	64·6	52·0	84	1893	38	1881	1·83	—	—
Dover	29·989	58·2	55·0	63·0	52·3	77	1878	37	1890, 91, 92, 93	1·52	—	—
LONDON	30·001	58·9	54·6	69·2	50·6	91	1878	35	1880	1·99	167·4†	34†
Oxford	29·996	56·8	53·3	67·1	49·9	86	1876, 93	35	1892, 93	2·11	192·1	39
Cambridge	29·994	58·1	54·7	68·8	48·4	88	1888, 93	33	1892	2·14	195·3	40
Yarmouth	29·983	56·8	54·0	61·9	51·0	81	1877, 88	40	1892	1·86	—	—

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

† The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE — Highest 30.3 ins. and more over all the N^rn. parts of our Islands and over Ireland.
Lowest (1) Below 29.8 ins. over the Baltic and the SE. of Sweden; (2) Below 30.0 ins. in the SW. of France.
Gradients over our Islands slight — mainly favourable for NE.^ly to N.^ly winds, but locally irregular over St. George's Channel.
Barometer falling a little over the Baltic and the SW. of France, rising slightly, but unsteadily elsewhere.

TEMPERATURE — Highest 75° at Perpignan, and above 60° over the S.^rn. and central parts of France and the southwestern parts of Germany.
Lowest (1) 48° to 50° over the inland and NE.^rn. parts of Gt. Britain, 53° to 55° over the Channel; (2) 45° at Bodö, 49° at Stockholm, 52° at Karlstad.
The maxima recorded over England yesterday were all below 60° (52° at Shields) but in Ireland they were as high as 60° to 68°. At Paris the maximum was 71°, at Wiesbaden, Brest and Nice 79° was recorded, and at Perpignan 88°.

WIND — Very light and variable over Ireland and Scotland; NE.^ly over England, the Channel and N. of France, and blowing with moderate strength at the southern and eastern stations. Strong N.^ly and NW.^ly breezes prevailed over Scandinavia and Denmark.

WEATHER — Fine on our SW.^rn. coasts, dull over England, foggy very generally over our NW.^rn. districts. Over the S.^rn. and E.^rn. parts of France and the W. and S. of Germany it was very fine. Rain had fallen, locally, at some of our own and the Continental stations — heavily at Karlstad. Thunderstorms had occurred on our SW.^rn. and W.^rn. coasts. Bright Sunshine recorded yesterday was very considerable at some of our W.^rn. and NW.^rn. stations, but in the S. and E. of England there was hardly any — at most of the stations none.

SEA — Moderate in the E. and S., smooth generally elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

No decided change is indicated at present.

FORECASTS

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

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	N.^ly breezes, light, fair.
1 SCOTLAND EAST	
2 ENGLAND N.E.	Same as No 4.
3 ENGLAND EAST	Same as No 5.
4 MIDLAND COUNTIES	N.^ly breezes, light, fair, dry.
5 ENGLAND SOUTH	NE.^ly breezes moderate to fresh, cloudy, perhaps slight rain, cold.
6 SCOTLAND WEST	Variable airs, fair as a whole, not settled.
7 ENGLAND N.W.	
8 ENGLAND S.W.	NE.^ly breezes, light to moderate fair.
9 IRELAND NORTH	Same as Nos 6 and 7.
10 IRELAND SOUTH	
WARNINGS	None issued.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	30·16	56	50	NNW	8	bc	2
Sumburgh Head							
Stornoway	30·25	62	57	SSE	3	b	3
Aberdeen							
Shields							
Ardrossan							
Malin Head ...	30·26	? 60	55	NNW	1	bc	1
Belmullet							*
Holyhead							
Valencia							
Scilly							
Jersey	30·20	61	58	ENE	4	bcm	3
Hurst Castle ...							
Dungeness ...	30·21	56	54	NE	4	c	3
North Foreland	30·25	54	51	N	4	o	3
London (Westminster)							*
Yarmouth ...							
Rochefort ...	30·08	75	73	NNW	2	b	*

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

Continental information not received.

SUMMARY OF CHANGES IN THE WEATHER OVER EUROPE FROM THE 5TH TO 11TH JUNE.

The weather experienced over Europe during the past week has been changing slowly, but the general character of the two spells which have prevailed have been clearly marked, as far as the western countries are concerned.

At first the barometer was highest (30.3 ins. to 30.2 ins. over the extreme Nw. countries and rather high (30.1 ins. and more) in a band extending thence in a S. direction over Scandinavia and central Europe to Italy. In the E. a shallow depression (29.8 ins. and less) was found over the S. parts of Russia, and another (29.6 ins. and less) was approaching Ireland from the SW. The latter caused rain very generally, but not in large quantities over the N. and W. parts of the United Kingdom, where the wind was SE. to W.; some secondary disturbances connected with this system caused thunder showers in various parts of England on the following day or two.

The depression now disappeared and the barometer rose on our W. and N. coasts and pressure became still more generally high over N. Europe. A new series of disturbances then spread gradually over France, W. Germany, the Netherlands and our SE. counties from the southwestward causing much rain in those districts, with thunder and lightning in many places, while over the W. and N. parts of the British Islands the weather became very fine and bright. This set of disturbances was dying out at the end of the week. Over S. Russia the depression referred to at the beginning of the week continued in force—with very little movement—till near its close.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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

DAILY WEATHER REPORT

for 8 a.m. on Tuesday 14th JUNE, 1898.

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

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)									PAST 24 HOURS.				
		Barom.	Temp.	Wind.		Weather	Barometer.		Temperature.			Wind.		Weather.	Sea (0 to 9.)	Weather.	Hours of Bright Sunshine.	Temp.		Rainfall.
		At 32° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)		At 32° Fahr. and M. S. L.	Change since Yesterday.	Dry Bulb.	Wet Bulb.	Change since Yesterday.	Direc.	Force (0 to 12.)					Max.	Min.	
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
Scandinavia.	Haparanda ...	30·03	51	N	2	bc	30·12	+ ·20	53	45	— 2	N	2	b	*	bc	*	63	45	—
	Hernösand ...	30·02	51	Z	0	bc	30·12	+ ·17	55	46	— 1	N	4	bc	*	bc	*	61	50	—
	Stockholm ...	29·89	50	NNE	4	o	29·95	+ ·18	54	47	+ 5	N	8	b	*	o	*	61	46	0·59
	Wisby	29·82	52	NNW	6	o	29·88	+ ·15	48	46	— 7	N	8	r	*	o	*	55	48	0·39
	Karlstad ...	30·00	59	N	2	b	30·09	+ ·16	53	47	+ 1	N	4	b	*	b	*	*	*	—
	Bodö	30·17	46	NW	4	c	30·21	+ ·06	46	43	+ 1	SW	4	c	2	c	*	52	41	—
	Christiansund ...	30·30	50	NW	1	r	30·29	+ ·04	50	46	— 2	WNW	1	c	2	r	*	54	48	0·12
	Skudesnaes ...	30·13	53	NNW	6	b	30·15	·00	51	47	— 2	NNW	4	b	2	b	*	58	46	*
	Færder (Christiania Fjord)	30·04	62	W	2	b	30·13	+ ·12	54	47	— 1	NNE	4	b	2	b	*	62	52	—
	Skagen (The Scaw)	30·06	56	NW	2	b	30·11	+ ·10	55	50	0	NE	3	b	0	b	*	64	54	—
	Fanö	30·13	51	NW	4	c	30·15	+ ·07	53	50	— 2	NW	4	c	*	c	*	64	50	—
	Sumburgh Head	30·34	47	N	2	o	30·34	+ ·02	46	45	+ 1	N	2	o	2	o	*	49	41	—
	Stornoway ...	30·34	55	ESE	3	b	30·32	— ·02	56	54	+ 5	E	1	bc	1	b	11·4	58	44	—
	Wick	30·39	47	N	3	o	30·37	+ ·03	49	46	+ 2	S	2	bc	1	o	*	53	43	—
	Nairn	30·37	55	E	1	b	30·37	+ ·01	53	50	+ 3	Z	0	b	0	b	*	58	38	—
	Aberdeen ...	30·38	50	N	2	c	30·38	+ ·01	49	45	+ 1	N	2	c	2	o, c	0·2	52	44	—
British Islands.	Leith	30·35	55	NE	2	bc	30·38	+ ·03	52	48	+ 2	ENE	1	o	*	bc	*	58	47	—
	Shields	30·36	50	NNE	3	o	30·38	+ ·03	47	45	— 1	N	2	o	3	o	*	51	45	—
	Spurn Head ...	30·31	51	N	4	ov	30·32	+ ·02	50	48	0	N	3	ov	4	ov	*	54	47	—
	York	30·34	53	N	1	o	30·35	+ ·02	50	45	0	N	2	o	*	o	0·0	54	46	—
	Loughborough ...	30·31	52	NE	3	o	30·34	+ ·02	48	46	0	N	2	o	*	om, o	*	54	47	—
	Ardrossan ...	30·30	62	W	1	bm	30·38	+ ·05	54	53	0	Z	0	om	0	bm, bm	*	64	49	—
	Malin Head ...	30·34	54	WNW	3	c	30·36	+ ·02	54	51	+ 3	S	2	c	1	f, bc, c	*	56	51	—
	Belmullet ...	30·39	57	NNE	2	c	30·38	·00	57	54	+ 1	E	1	o	*	o, c	*	60	51	—
	Donaghadee ...	30·34	58	NNW	3	b	30·39	+ ·06	52	50	0	ESE	3	m	1	f, b	*	64	48	—
	Liverpool (Bidston)	30·30	56	E	1	og	30·37	+ ·07	51	45	— 1	ENE	1	bc	2	og	*	59	46	—
	Holyhead ...	30·30	54	NNE	3	bf	30·35	+ ·07	54	51	— 1	NE	2	bm	1	f, bf	*	62	50	—
	Parsonstown ...	30·31	63	Z	0	o	30·36	+ ·03	54	52	+ 1	Z	0	o	*	o	0·1	64	49	—
	Valencia ...	30·29	68	N	2	bm	30·34	+ ·04	61	59	+ 1	Z	0	bm	1	b, bm	14·1	70	50	—
	Roche's Point ...	30·31	60	SSE	2	bm	30·35	+ ·06	58	54	— 3	ENE	2	bm	2	bm	*	65	51	—
	Pembroke (St. Ann's Hd.)	30·24	51	NNE	4	bc	30·32	+ ·06	53	48	— 3	ESE	3	og	3	bc	10·9	58	52	—
	Scilly	30·21	58	NE	3	c	30·24	+ ·05	54	50	— 4	NE	4	c	2	c	5·0	60	50	0·02
	Prawle Point ...	30·22	55	ENE	3	c	30·26	+ ·02	49	47	— 3	NE	5	c	4	c	*	57	48	—
	Jersey (St. Aubin's)	30·14	55	NE	5	om	30·17	+ ·01	55	52	0	ENE	5	om	4	r, om	*	57	51	0·01
	Hurst Castle ...	30·21	57	NE	3	om	30·25	+ ·03	52	52	— 1	NE	4	og	3	om	*	59	51	—
	Dungeness ...	30·20	54	NE	4	c	30·20	+ ·01	52	50	— 1	NE	5	c	4	c	*	58	51	—
Germany & Holland.	North Foreland	30·25	51	NNE	4	o	30·25	·00	50	47	— 2	N	4	o	4	o	*	54	49	—
	London (Brixton) ...	30·26	54	NE	3	og	30·28	+ ·01	51	47	+ 1	NE	2	og	*	og	0·1	57	49	—
	Oxford	30·31	50	NE	3	og	30·31	+ ·01	50	46	+ 2	NE	3	og	*	og	*	52	47	—
	Cambridge ...	30·28	52	NNE	3	o	30·31	+ ·01	51	47	+ 1	NNE	2	o	*	o	0·0	56	47	—
	Yarmouth ...	30·26	52	NNE	4	cv	30·27	+ ·02	52	49	+ 1	NNE	3	bc	4	cv	*	54	48	—
	Cuxhaven ...	30·14	56	NW	3	bc	30·18	+ ·04	54	53	+ 1	NW	3	o	*	bc	*	57	52	—
	Berlin	30·05	63	WNW	2	bc	30·12	+ ·04	58	53	+ 5	W	2	b	*	bc	*	70	52	—
	Wiesbaden ...	*	*	*	*	*	30·12	·00	57	51	— 6	NE	3	b	*	*	*	73	52	—
	Munich	30·09	63	NE	2	b	30·09	— ·08	63	58	0	NE	2	b	*	b	*	70	50	—
	The Helder ...	30·22	54	NNE	3	o	30·22	·00	53	49	0	NNE	2	o	2	o	*	55	52	—
	Brussels ...	*	*	*	*	*	30·20	— ·01	51	46	+ 1	NE	4	o	*	b	*	66	48	—
	Cape Gris Nez ...	?	54	E	5	o	?	?	53	50	— 2	NE	5	o	5	o	*	55	50	—
	Paris	30·08	66	NE	3	b	30·08	— ·04	53	50	— 10	NE	3	b	*	b	*	73	51	—
	Brest	30·03	56	ENE	3	o	30·12	+ ·03	52	51	— 2	ENE	4	o	3	o	*	77	50	—
	Lorient	30·08	57	NE	4	o	30·05	— ·02	52	52	— 4	NE	5	o	4	o	*	79	52	0·67
France & Belgium.	Rochefort ...	29·99	70	ENE	2	o	29·94	— ·06	61	61	— 7	ENE	4	o	*	o	*	77	59	0·43
	Belfort ...	29·95	70	ENE	2	o	29·99	— ·05	51	52	— 3	ENE	3	m	*	o	*	76	51	—
	Lyons	29·95	75	E	1	bc	29·99	— ·04	62	61	— 2	N	1	r	*	bct, rl	*	82	60	0·12
	Nice	30·01	66	SW	2	c	29·99	— ·04	68	63	+ 4	Z	0	b	1	c	*	77	59	—
	Perpignan ...	29·95	69	NE	1	o	29·92	— ·09	68	66	— 7	E	2	r	*	o	*	82	61	—
	Biarritz ...	29·99	66	NW	2	o	29·92	— ·09	62	62	— 3	N	2	r	2	o	*	68	61	0·47
Peninsula.	Corunna ...																*			
	Lisbon	30·01	62	NW	3	b	30·00	— ·01	59	57	— 3	NNW	4	o	*	b	*	73	59	—
	Azores (P. Delgada)	30·21	66	Z	0	b	30·20	+ ·02	68	64	0	SW	1	bc	2	b	*	73	63	—

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

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

Bright Sunshine yesterday Southport 0·8 hrs;

WEATHER CHARTS

FOR Tuesday, 14th June, 1898

BAROMETER, WIND AND SEA.

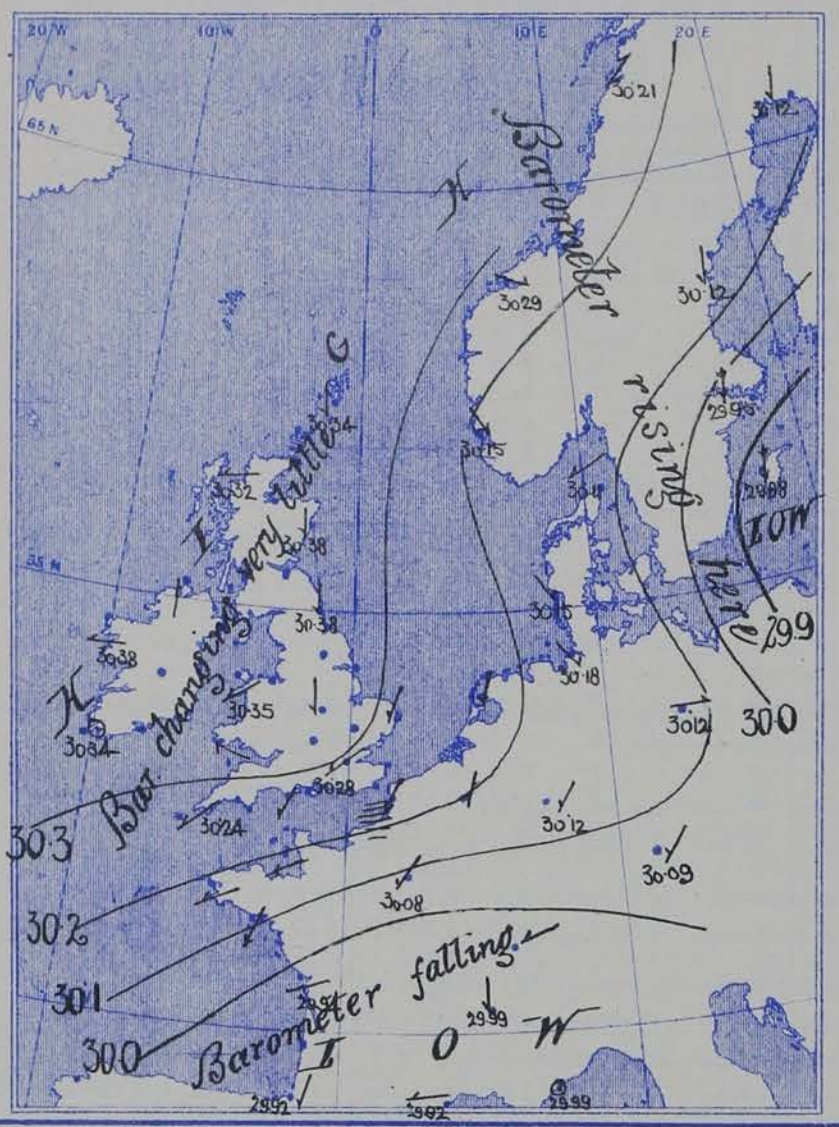
BAROMETER—Isobars are drawn for each tenth of an inch.

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

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

Force 8 to 10 ⟶ ; Force 1 to 4 ⟶ ; }

SEA—Rough ≡ ; High ▬


20 W
10 W
0
10 E
20 E
65 N
35 N
Barometer rising very little
Barometer falling
Barometer falling slowly
Barometer falling
Barometer falling
Barometer falling

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30·3 ins. and upwards in a large anticyclone extending over our Islands from the N.ward
Lowest 29·9 ins. and less in a depression over the N.W. parts of the Baltic, 30·0 ins. and less in a large area covering the Spanish peninsula and the greater part of France.
Gradients slight generally, but moderate over the north of France.
Barometer steady in our islands, falling slightly in the west of France, rising elsewhere.

TEMPERATURE

Highest (1) 68° at Nice and Perpignan, 63° at Munich, and 62° at Lyons and Biarritz; (2) 61° at Valencia (Ireland), 58° at Rockes Pt. and 57° at Belmullet.
Lowest (1) 46° at Sumburgh Head, 47° at Shields, and 48° at Loughborough; (2) 46° at Bodo, 48° at Wisby.
The maxima registered yesterday were below 55° at many of our N.W., E.N.E. and central stations. In the west, however, the thermometer exceeded 60°, and at Valencia (Ireland) it touched 70°.

WIND

Light from the N.ward on the east coasts of Gt. Britain; moderate to fresh from the NE.ward over the south of England, the Netherlands and the N.W. parts of France; E.ly on our western coasts.
N.ly or NW.ly over Sweden, Denmark and the south of Norway, with a gale at Stockholm & Wisby.

WEATHER

Fine at many of our own W.ward and N.W. stations, as well as in Scandinavia, Denmark & Germany.
Cloudy or dull over the greater part of England, France and the Netherlands, with rain at Lyons, Biarritz and Perpignan.
Slight rain fell yesterday at Scilly and Jersey, and larger quantities in the W. of France, as well as in the S. of Sweden. Thunder and lightning occurred at Lyons in the evening.

SEA

Rather rough at Cape Gris Nez, and moderate on our own S. and E. coasts, but slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

There are at present no signs of any very decided change, but a temporary clearance of the sky is probable at some of our eastern and southern stations.

FORECASTS

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

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	Light variable airs; fair generally.
1	SCOTLAND EAST	
2	ENGLAND N.E.	N.ly and NE.ly winds, light; cloudy, cool.
3	ENGLAND EAST	Same as No. 5.
4	MIDLAND COUNTIES	Same as No. 2.
5	ENGLAND SOUTH	NE.ly winds moderate or fresh, fair generally, rather warmer.
6	SCOTLAND WEST	Light breezes, chiefly NE.ly; fine generally, but hazy in places.
7	ENGLAND N.W.	
8	ENGLAND S.W.	Same as No. 5.
9	IRELAND NORTH	Same as Nos. 6 and 7.
10	IRELAND SOUTH	
	WARNINGS	None issued.

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

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	30·14	58	52	NNW	6	b	2
Sumburgh Head	30·34	47	45	NW	2	o	2
Stornoway	30·35	58	53	ESE	4	b	4
Aberdeen	30·37	51	47	N	1	o	3
Shields	30·36	50	48	NE	2	o	3
Ardrossan	30·32	62	59	W	1	bc	1
Malin Head ...	30·34	55	54	WNW	1	bc	1
Belmullet	? 30·44	60	55	NE	2	o	*
Holyhead	30·29	58	56	NNE	3	f	2
Valencia	30·30	69	62	NNE	2	b	3
Scilly	30·21	58	54	E	3	c	1
Jersey	30·16	56	55	NE	4	o	3
Hurst Castle ...	30·22	59	55	NE	4	ow	3
Dungeness ...	30·21	57	54	NE	4	bc	3
North Foreland	30·26	54	50	NNE	4	o	4
London (Westminster)	30·26	56	51	ENE	3	o	*
Yarmouth ...	30·26	54	50	NNE	3	cv	3
Rochefort ...	29·99	72	70	NE	4	o	*

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

Weather in morning dull in most parts of Gt. Britain, with slight showers at Scilly; foggy on our NW. coasts; fine, but hazy, in the south of Ireland. Fine over Italy, the S. of France and the Mediterranean, as well as at most of the Scandinavian and Danish stations; dull in other parts of the Continent, with rain at Kuopio and Stockholm. Considerable quantities of rain falling later in the S. of Sweden and also in the W. of France, and thunder and lightning occurring at Lyons in evening.

Temperature fallen in most places. Morning readings highest 79° at Barcelona and Athens, 77° at Patras, and 76° at Constantinople; above 65° over S^rn Europe generally, and above 60° at most of the Russian stations. Lowest (1) 45° at Sumburgh Hd., 47° at Wick, and 48° at Aberdeen, Shields, Loughborough and Cosford; (2) 45° at Bodö, and 47° at Archangel. Remaining below 50° all day at many of our own N^rn, E^rn and central stations, but exceeding 60° in the W. and reaching 70° at Valencia, - Exceeding 75° in the W. and S. of France, and touching 82° at Lyons & Perpignan.

Wind light and rather variable over the northern parts of the United Kingdom, but moderate from the NE^wd or E^wd in the south, as well as in the Netherlands and the north of France. Moderate to strong from the N^wd or NW^wd over Scandinavia and Denmark; light to moderate from the NW^wd in Germany and Austria, but blowing a gale from W. at Neufahrwasser; S^ly over the central parts of Russia. Variable in Italy and the south of France, NE? over the Spanish peninsula. No important change occurring over western Europe during day.

Barometer highest 30.3 ins. and upwards over Ireland and the N^rn parts of Gt. Britain, 30.1 ins. and upwards in an anticyclone covering nearly the whole of NW^rn Europe. Lowest 29.8 ins. and less in a large depression over W^rn Russia and the N^rn parts of the Baltic; 30.0 ins. and less over Algeria, and also in two small depressions with their centres lying respectively near Bordeaux and the Isle of Elba. No important change occurring later.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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

for 8 a.m. on Wednesday, 15th June, 1898.

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

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)									PAST 24 HOURS.				
		Barom.	Temp.	Wind.		Weather	Barometer.		Temperature.			Wind.		Weather.	Sea (0 to 9.)	Weather.	Hours of Bright Sunshine.	Temp.		Rainfall.
		At 32° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)		At 32° Fahr. and M. S. L.	Change since Yesterday.	Dry Bulb.	Wet Bulb.	Change since Yesterday.	Direc.	Force (0 to 12.)					Max.	Min.	
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
Scandinavia.	Haparanda ...	30·06	50	W	2	c	29.99	-·13	52	49	+1	SW	2	b	*	c	*	61	39	-
	Hernösand ...	30·13	51	W	0	bc	30·10	-·02	56	48	+1	N	4	b	*	bc	*	?	46	-
	Stockholm ...	30·06	52	N	6	b	30·10	+·15	57	47	+3	N	6	b	*	b	*	61	46	-
	Wisby	30·02	48	NNE	4	c	30·08	+·20	48	46	0	N	4	b	*	c	*	52	45	0·04
	Karlstad ...	30·12	57	NE	2	b	30·15	+·06	57	50	+4	W	2	b	*	b	*	*	*	-
	Bodö	30·16	46	SW	4	r	30·07	-·14	47	45	+1	ESE	4	0	1	r	*	50	43	0·20
	Christiansund ...	30·25	54	NE	2	b	30·21	-·08	52	48	+2	N	1	c	2	b	*	54	48	-
	Skudesnaes ...	30·15	52	NNW	6	b	30·21	+·06	53	50	+2	NNW	4	c	2	b	*	57	46	*
	Færder (Christiania Fjord)	30·10	63	NNW	2	b	30·15	+·02	57	51	+3	N	2	b	1	b	*	63	54	-
	Skagen (The Scaw)	30·12	58	NE	2	b	30·17	+·06	60	55	+5	SSW	1	0	0	b	*	68	50	-
	Fanö	30·12	51	NW	2	b	30·20	+·05	55	53	+2	NNE	1	b	*	b	*	61	46	-
	Sumburgh Head	30·28	48	WNW	1	0	30·23	-·11	49	48	+3	W	2	0	2	0	*	50	45	-
	Stornoway ...	30·28	62	NNW	3	bc	30·27	-·05	56	54	0	W	2	0	2	b,bc	12·5	67	50	-
	Wick	30·30	49	S	2	b	30·29	-·08	57	55	+8	N	2	0	2	b	*	57	45	-
	Nairn	30·28	56	E	2	b	30·29	-·08	57	54	+4	W	1	c	1	b	*	60	42	-
	Aberdeen ...	30·32	48	E	2	b	30·29	-·09	57	53	+8	SE	1	c	1	b	10·1	57	43	-
British Islands.	Leith	30·28	56	ENE	1	b	30·27	-·11	54	53	+2	N	1	om	*	b	*	63	45	-
	Shields	30·32	50	E	2	b	30·29	-·09	51	49	+4	E	1	m	2	b	*	52	42	-
	Spurn Head ...	30·28	50	N	4	0	30·28	-·04	50	48	0	N	3	ov	4	ov	*	55	48	-
	York	30·31	56	N	1	b	30·29	-·06	51	47	+1	NNW	1	b	*	0,b	4·2	57	38	-
	Loughborough ...	30·30	54	NE	2	0	30·30	-·04	48	46	0	NNE	1	bcmw	*	0,bc	*	56	32	-
	Ardrossan ...	30·30	59	W	3	bm	30·30	-·08	56	54	+2	WSW	3	c	2	bm	*	61	49	-
	Malin Head ...	30·33	58	E	1	b	30·33	-·03	55	53	+1	NW	3	0	1	b	*	60	53	-
	Belmullet ...	30·35	59	NNE	2	0	30·38	·00	57	54	0	NNE	1	0	*	0	*	64	50	-
	Donaghadee ...	30·34	58	NE	3	b	30·33	-·06	53	51	+1	NW	3	m	1	b	*	59	48	-
	Liverpool (Bidston)	30·30	56	NW	1	b	30·30	-·07	55	52	+4	W	2	0	2	b	*	58	49	-
	Holyhead ...	30·31	53	N	2	bcm	30·33	-·02	58	55	+4	NW	1	b	1	bm,bcm	*	58	47	-
	Parsonstown ...	30·30	67	W	0	c	30·34	-·02	58	56	+4	NW	1	0	*	c	8·9	68	49	-
	Valencia ...	30·31	63	W	3	bm	30·36	+·02	58	56	-3	NNW	2	om	2	bm	12·1	67	51	-
	Roche's Point ..	30·34	59	SSE	2	bc	30·35	·00	59	56	+1	N	1	bcm	1	bc	·*	64	52	-
	Pembroke (St. Ann's Hd.)	30·28	56	S	2	b	30·32	·00	55	52	+2	NW	1	bm	1	b	10·5	58	47	-
	Scilly	30·25	57	NNE	4	c	30·29	+·05	55	50	+1	ENE	2	c	1	c	6.3	59	50	-
	Prawle Point ...	30·24	53	NE	3	bc	30·28	+·02	55	51	+6	ENE	3	bc	2	bc	*	56	43	-
	Jersey (St. Aubin's)	30·15	58	NE	5	b	30·23	+·06	54	49	-1	NE	4	om	3	bcm,b	*	60	52	-
	Hurst Castle ...	30·23	55	NNE	4	c	30·26	+·01	53	49	+1	NE	4	bc	3	om,c	*	59	47	-
	Dungeness ...	30·16	55	NE	4	c	30·20	·00	52	49	0	NE	4	c	3	c	*	57	50	-
	North Foreland	30·23	53	N	4	c	30·23	-·02	51	46	+1	N	4	0	3	c	*	55	49	-
	London (Brixton) ...	30·26	54	NNE	2	0q	30·27	-·01	50	45	-1	NNE	3	0q	*	0q	0·0	56	47	-
	Oxford	30·29	51	NE	2	0	30·29	-·02	49	45	-1	N	3	0q	*	0q	*	54	38	-
	Cambridge ...	30·28	52	N	3	0	30·28	-·03	51	47	0	N	3	0	*	0	0·1	57	44	-
	Yarmouth ...	30·24	53	N	4	c	30·23	-·04	51	47	-1	N	4	cv	4	bc,c	*	54	47	-
Germany & Holland.	Cuxhaven ...	30·13	56	NW	4	c	30·13	-·05	56	56	+2	NW	3	bc	*	c	*	59	52	-
	Berlin	30·04	63	NW	1	c	30·06	-·06	61	54	+3	SE	1	b	*	c	*	72	52	-
	Wiesbaden ...	*	*	*	*	*	30·01	-·11	59	46	+2	N	2	b	*	*	*	68	54	-
	Munich	30·01	62	W	0	0	29·93	-·16	54	54	-9	SE	4	r	*	0	*	72	54	0·12
	The Helder ...	30·17	53	NNE	3	0	30·17	-·05	54	48	+1	NNE	1	c	1	0	*	59	50	-
	Brussels ..	*	*	*	*	*	30·16	-·04	51	47	0	NNE	3	0	*	0	*	59	48	-
	Cape Gris Nez ..	?	54	NE	5	c	?	?	52	46	-1	ENE	5	0	5	c	*	55	48	-
	Paris	30·06	59	NE	4	b	30·10	+·02	54	49	+1	NNE	4	b	*	b	*	62	47	-
	Brest	30·12	57	ENE	5	c	30·22	+·10	52	49	0	NE	2	0	2	c	*	61	46	-
	Lorient... ...	30·05	58	NE	5	c	30·16	+·11	52	47	0	ENE	5	c	5	c	*	?61	48	-
France & Belgium.	Rochefort ...	29.98	59	NE	4	0	29.99	+·05	54	53	-7	NE	5	c	*	0	*	64	50	-
	Belfort	29.92	62	E	2	m	29.89	-·10	53	52	-4	ENE	4	r	*	m	*	70	53	0·12
	Lyons	29.92	62	W	1	r	29.88	-·11	57	56	-5	NNW	3	r	*	klr	*	73	56	0·63
	Nice	29.86	68	SW	2	c	29.73	-·26	67	62	-1	W	0	b	2	c	*	73	59	0·08
	Perpignan ...	29.86	68	E	2	0	29.78	-·14	70	63	+2	W	3	0	*	0	*	73	59	-
	Biarritz ...	29.91	65	NNW	4	0	29.87	-·05	62	62	0	NNW	4	0	2	0	*	66	61	0·20
Peninsula.	Corunna ...																*			
	Lisbon	29.99	61	NNW	4	0	30·03	+·03	63	59	+4	NW	5	b	*	0	*	68	59	-
	Azores (P. Delgada)	30·21	64	SE	3	c	30·16	-·04	67	66	-1	SSE	3	0	3	c	*	73	64	-

For Explanation of Columns, see bottom of last page.

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

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

Bright Sunshine yesterday Southport 12·5 hrs;

WEATHER CHARTS

FOR Wednesday, 15th June, 1898

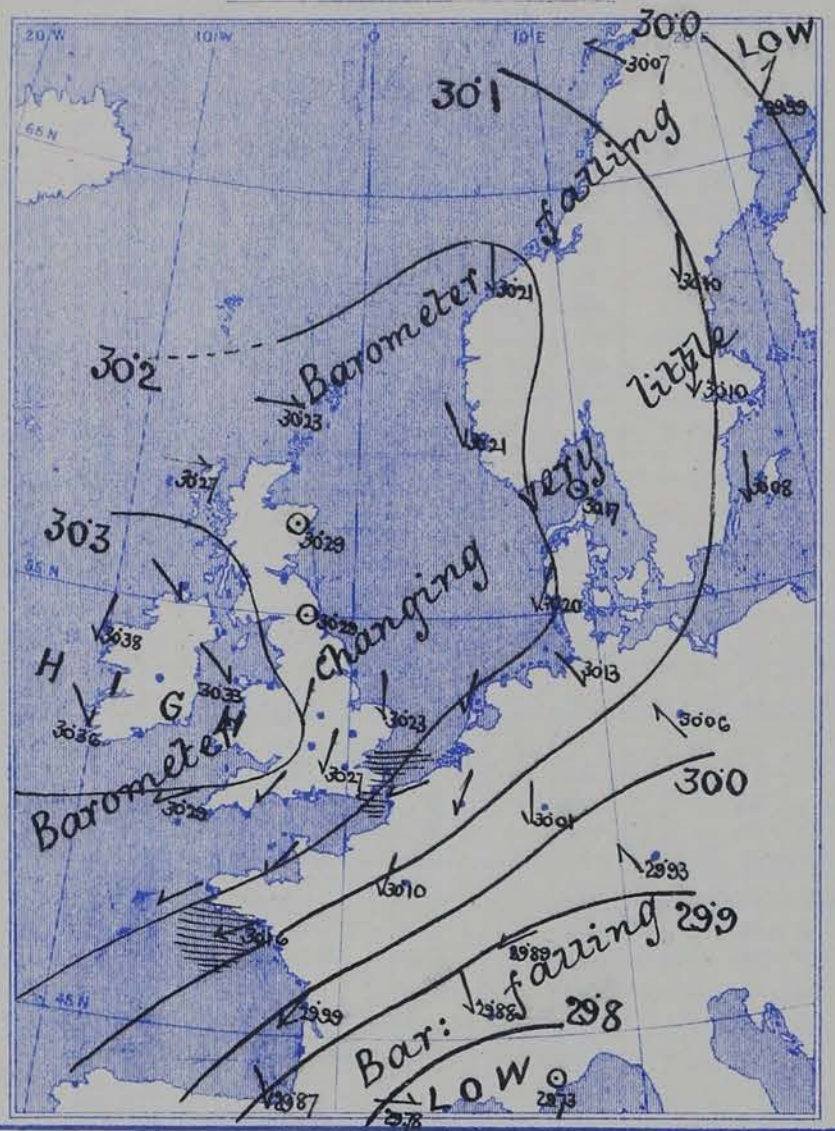
BAROMETER, WIND AND SEA.

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

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

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

SEA—Rough ; *High*



TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

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

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

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of				Absolute Extremes.				RAINFALL. Means.	BRIGHT SUNSHINE. Means, 1881—95.	
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum	Years.	Minimum.	Years	1866—95.	Hours.	Per cent. of possible.
	(*Inches.*)	°	°	°	°	°		°		(*Inches.*)		
Sumburgh Head	29·898	50·5	48·7	54·6	45·0	70	1891	33	1888	1·93	—	—
Stornoway	29·894	53·4	51·4	58·2	46·0	76	1893	31	1888	2·76	185·1	35
Wick	29·916	53·4	50·8	58·9	45·5	79	1878	30	1881	1·75	—	—
Nairn	29·917	54·4	51·0	62·3	47·3	86	1876	30	1888	1·73	—	—
Aberdeen	29·933	54·8	50·8	61·0	47·2	80	1881, 87	30	1888	1·80	196·5	37
Leith	29·943	55·9	52·3	63·9	48·0	86	1887	34	1886	1·79	—	—
Shields	29·959	54·9	51·8	60·6	48·5	76	1878, 84	37	1881, 86, 95	1·71	—	—
Spurn Head	29·971	55·3	52·8	60·3	51·1	80*	1885	34*	1881	1·64	—	—
York	29·979	56·1	52·7	66·2	48·4	88	1878	35	1894	2·21	173·0	34
Loughborough	29·991	57·7	53·8	68·6	48·8	86*	1893	32*	1895	2·20	—	—
Ardrossan	29·944	55·3	52·3	62·1	49·4	85	1878	36	1890	2·32	—	—
Malin Head	29·934	53·6	51·2	59·0	50·8	—	—	—	—	—	—	—
Belmullet	29·953	56·2	53·2	60·8	51·4	—	—	—	—	2·85	—	—
Donaghadee	29·959	55·1	53·0	61·5	49·7	77	1887	36	1880	2·03	—	—
Holyhead	29·976	55·9	53·4	61·7	51·3	83	1878	42	1882	1·97	—	—
Liverpool	29·976	57·0	52·8	64·0	51·1	85	1878, 93	38	1872	1·99	—	—
Parsonstown	29·981	56·2	52·9	64·9	48·5	85	1887	32	1881	2·34	173·7	35
Valencia	29·984	57·4	54·5	62·5	51·2	81	1887	40	1875, 80, 82	3·34	203·4	41
Roche's Point	29·983	57·0	53·8	64·3	51·3	80	1876, 87	41	1881	3·07	—	—
Pembroke	29·983	55·4	53·4	60·5	51·6	79	1893	38	1888	1·88	234·7	48
Scilly	30·002	57·5	55·3	61·5	53·2	75	1893	41	1888	1·76	—	—
Prawle Point	30·010	57·1	54·7	61·7	50·7	79*	1887	39*	1881	1·59	—	—
Jersey	30·019	59·0	55·9	64·9	52·8	87	1872	39	1890	1·86	243·1	51
Hurst Castle	30·007	57·9	55·7	64·6	52·0	84	1893	38	1881	1·83	—	—
Dover	29·989	58·2	55·0	63·0	52·3	77	1878	37	1890, 91, 92, 93	1·52	—	—
LONDON	30·001	58·9	54·6	69·2	50·6	91	1878	35	1880	1·99	167·4†	34†
Oxford	29·996	56·8	53·3	67·1	49·9	86	1876, 93	35	1892, 93	2·11	192·1	39
Cambridge	29·994	58·1	54·7	68·8	48·4	88	1888, 93	33	1892	2·14	195·3	40
Yarmouth	29·983	56·8	54·0	61·9	51·0	81	1877, 88	40	1892	1·86	—	—

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

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest. 30·3 in: and upwards, over Ireland and Wales; 30·1 in: and upwards in an anticyclone covering the whole of north-western Europe.
Lowest, 29·8 in: and less, in a depression over the south of France.
Gradients slight generally, but moderate over France.
Barometer changing very little in our Islands, falling in the north of Scandinavia and also in the south of France.

TEMPERATURE

Highest, 70° at Perpignan, 67° at Nice, 63° at Lisbon, and 62° at Biarritz; highest in our Islands 59° at Rockall Point.
Lowest, (1) 47° at Bodö and 49° at Lumbugh Head; (2) 48° at Loughborough, 49° at Oxford, and 50° at Spurn Head and in London.
The maxima registered yesterday were below 55° at several of our eastern and central stations; in the west, however, the thermometer exceeded 60 and at Paramatoren it reached 68°.

WIND

Light to moderate from the W.N.W. or N.W. at most of our northern stations, but from the N.E. over the south of our Islands and the greater part of France; W. or N.W. in the south of France.
N. over the greater part of Scandinavia, but variable in the north.

WEATHER

Fair or fine over Western Europe as a whole, but dull at several of the English and Irish stations, and still very gloomy in London.
Dull also over the southern parts of France and Germany, with rain at Lyons, Belfort, and Munich.
Rain fell yesterday in the south of France (with a thunderstorm at Lyons) and also at Bodö and Wick, but in our Islands the weather remained very dry.

SEA

Rather rough at Cape Gris Nez and Isigny, moderate off the east of England, but slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The anticyclone is now inclined to move southwards, and it is probable that depressions will shortly begin to approach our extreme northern coasts. Over the central parts of England the weather is likely to clear shortly.

FORECASTS

For the 24 hours ending at NOON on 16 JUNE 1898

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	W.N.W. winds, light or moderate; dull, some rain
1	SCOTLAND EAST	Light breezes, chiefly W.N.W.; fair generally.
2	ENGLAND N.E.	N.N.E. to W.N.W. winds, light; fair generally. Warmer.
3	ENGLAND EAST	N.N.W. winds, light; fair generally, rather warmer.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	W.N.W. and N.W.N. winds, light; fair generally.
7	ENGLAND N.W.	
8	ENGLAND S.W.	N.E.N. to N.N.W. winds, light; fair generally, rather warmer.
9	IRELAND NORTH	N.W. to W.N.W. winds, moderate; cloudy, some showers.
10	IRELAND SOUTH	N.N.W. and N.W.N. winds, light; fair generally.
	WARNINGS	NONE ISSUED.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	30·16	57	52	NNW	6	b	2
Sumburgh Head	30·32	48	48	WNW	1	o	2
Stornoway	30·28	67	59	ESE	2	b	2
Aberdeen	30·34	61	48	E	2	b	2
Shields	30·36	51	47	NE	2	b	3
Ardrossan	30·39	60	58	SW	2	b	1
Malin Head ...	30·35	56	52	NNW	2	b	1
Belmullet	30·38	60	57	NW	1	o	*
Holyhead	30·35	54	51	NNE	2	bm	1
Valencia	30·33	63	59	W	3	bm	4
Scilly	30·25	55	51	NNE	4	c	3
Jersey	30·17	60	54	ENE	6	bc	5
Hurst Castle ...	30·24	58	54	NE	3	om	3
Dungeness ...	30·20	55	52	NE	5	c	3
North Foreland	30·25	54	49	N	4	c	3
London (Westminster)	30·27	54	49	NNE	3	o	*
Yarmouth ...	30·27	54	50	NNE	3	bc	4
Rochefort ...	29·95	63	63	ENE	4	o	*

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

Weather in morning fine at many of our own western and northern stations, as well as in Scandinavia, Denmark, Germany, Austria and Italy. Cloudy or dull elsewhere, with rain at Biarritz, Perpignan, and Madrid, and also at Riga and Visby. Sky clearing later in the north and east of England, but weather remaining very dull in the southeast. Rain falling in the southern parts of France and Germany and a thunderstorm occurring at Lyons.

Temperature fallen in France and Spain and also in Russia, but changed irregularly elsewhere. Morning readings highest 90° at La Calle, 80° at Brindisi, 79° at Aumale, and 76° at Athens; above 65° in most parts of southern and southeastern Europe. Lowest (1) 39° at Archangel, and 46° at Bodo; (2) 46° at Sumburgh Head, 48° at Loughborough, and 49° at Wick and Aberdeen. Remaining below 55° all day in some parts of eastern and central England, but exceeding 60° on our western coasts, and reaching 68° at Parsonstown. Exceeding 70° in Germany and the south of France.

Wind light from the N.W. on the eastern coasts of Great Britain, moderate to fresh from the N.E. over the south of England, the Netherlands and the northern parts of France. Moderate to strong from the N.E. in Finland and from the N. over Scandinavia, with a gale at Stockholm and Visby; N.W. over Denmark, Germany, Austria, and the south of Russia. Variable in Italy; E. in the extreme south of France; N. on the Portuguese coasts. No important change occurring over Western Europe during day.

Barometer highest 30·3 in. and upwards over all but the southern parts of the United Kingdom; 30·1 in. and upwards in an anticyclone covering the whole of northwestern Europe. Lowest 29·6 in. and less. in a well marked depression over Central Russia; 29·9 in. and less. in a shallow area over Spain and a portion of Algeria. 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.

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

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DAILY WEATHER REPORT

for 8 a.m. on Thursday, 16th June, 1898.

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

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)									PAST 24 HOURS.				
		Barom.	Temp.	Wind.			Barometer.		Temperature.			Wind.						Temp.		
		At 32° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)	Weather	At 32° Fahr. and M. S. L.	Change since Yesterday.	Dry Bulb.	Wet Bulb.	Change since Yesterday.	Direc.	Force (0 to 12.)	Weather.	Sea (0 to 9.)	Weather.	Hours of Bright Sunshine.	Max.	Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
Scandinavia	Haparanda ...	29.89	52	NSW	2	c	29.83	-.16	61	49	+7	SW	0	bc	*	c	*	66	45	-
	Hernösand ...	29.99	55	SW	0	b	29.97	-.13	59	52	+3	NNW	2	bc	*	b	*	63	43	-
	Stockholm ...	30.02	55	S	2	b	29.99	-.11	63	54	+6	NNE	2	b	*	b	*	64	45	-
	Wisby	30.06	49	N	4	b	30.01	-.07	52	49	+4	W	4	b	*	b	*	52	41	-
	Karlstad ...	30.01	62	SSW	2	b	30.01	-.14	59	52	+2	NNE	2	b	*	b	*	*	*	-
	Bodö	29.99	50	SW	6	r	29.92	-.15	48	47	+1	SW	6	o	2	r	*	50	45	0.47
	Christiansund ...	30.21	52	W	2	o	30.21	.00	51	49	-1	W	4	o	3	o	*	55	48	0.04
	Skudesnaes ...	30.19	52	NNW	6	c	30.13	-.08	53	50	0	NNW	7	c	2	o.c	*	56	46	*
	Færder (Christiania Fjord)	30.04	60	SW	2	c	30.02	-.13	59	53	+2	NNE	4	bc	2	c	*	63	55	-
	Skagen (The Scaw)	30.08	57	NNW	2	b	30.05	-.12	59	55	-1	W	3	b	0	b	*	68	50	-
	Fanö	30.15	55	NW	4	c	30.12	-.08	54	51	-1	NW	4	c	*	c	*	64	52	-
	Sumburgh Head	30.22	51	NNW	3	c	30.22	-.01	51	50	+2	NNW	2	o	3	f,c	*	53	46	0.03
	Stornoway ...	30.28	58	N	1	c	30.27	.00	54	52	-2	SE	2	c	2	a.c	4.5	63	43	-
	Wick	30.29	52	N	1	o	†30.23	-.06	56	52	-1	N	1	c	1	o	*	60	48	-
	Nairn	30.25	67	E	1	b	30.27	-.02	56	54	-1	W	0	o	0	b	*	68	50	-
	Aberdeen ...	30.30	54	ESE	2	bc	30.28	-.01	52	51	-5	NE	2	ogd	1	c.bc	2.6	58	48	-
	Leith	30.26	56	ENE	1	c	30.26	-.01	55	52	+1	NE	2	o	*	c	*	65	50	-
	Shields	30.30	52	E	1	c	30.28	-.01	53	51	+2	ENE	2	cm	3	cm	*	56	47	-
	Spurn Head ...	30.27	51	NNE	3	o	30.26	-.02	52	50	+2	NNE	3	ov	3	ov	*	54	49	-
	York	30.27	60	NNE	1	c	30.28	-.01	53	50	+2	NNE	1	c	*	b,c	6.6	62	45	-
	Loughborough ...	30.25	59	ENE	2	o	30.28	-.02	51	49	+3	N	1	om	*	bc.c.om	*	62	46	-
British Islands.	Ardrossan ...	30.24	61	NW	3	c	30.25	-.05	59	58	+3	NW	1	b	1	c	*	65	52	-
	Malin Head ...	30.33	58	N	3	c	30.31	-.02	53	51	-2	NNW	4	o	2	c	*	60	51	-
	Belmullet ...	30.37	62	NNE	1	b	30.32	-.06	61	56	+4	NE	1	bc	*	b	*	64	53	-
	Donaghadee ...	30.30	58	NW	4	bc	30.28	-.05	56	53	+3	NNW	5	b	3	bc	*	63	51	-
	Liverpool (Bidston)	30.27	56	NNW	2	bc	30.26	-.04	55	52	0	SE	1	o	?	bc	*	60	49	-
	Holyhead ...	30.30	55	NNW	2	b	30.27	-.06	52	52	-6	N	2	f	1	of,b	*	58	50	-
	Parsonstown ...	30.29	69	NW	1	bc	30.31	-.03	59	55	+1	NW	1	bc	*	bc	7.7	71	48	-
	Valencia ...	30.33	61	NW	2	cm	30.28	-.08	61	59	+3	W	0	bm	1	cm	4.8	62	50	-
	Roche's Point ...	30.31	65	SW	2	bc	30.29	-.06	62	58	+3	N	1	bc	1	bc	*	66	55	-
	Pembroke (St. Ann's Hd.)	30.27	60	NNE	4	b	30.24	-.08	59	55	+4	NE	4	b	3	b	13.4	63	50	-
	Scilly	30.27	59	N	4	cm	30.24	-.05	59	57	+4	NNE	2	c	3	cm	13.8	60	50	-
	Prawle Point ...	30.23	54	WSW	3	bc	30.26	-.02	55	52	0	ENE	3	bc	2	bc	*	58	50	-
	Jersey (St. Aubin's)	30.20	58	NNE	4	cm	30.23	.00	57	52	+3	NE	3	cm	3	bc.cm	*	58	48	-
	Hurst Castle ...	30.21	60	WSW	1	bcm	30.25	-.01	51	48	-2	NE	3	cm	3	bcm	*	66	46	-
	Dungeness ...	30.17	55	NNE	4	c	30.19	-.01	53	50	+1	NNE	4	c	5	c	*	57	48	-
	North Foreland	30.22	52	NNE	4	c	30.22	-.01	52	49	+1	N	3	o	3	o,c	*	53	50	-
	London (Brixton) ...	30.23	58	NNE	2	bc	30.25	-.02	50	46	0	ENE	2	og	*	c,b	5.6	63	47	-
	Oxford	30.25	53	NE	2	c	30.27	-.02	50	48	+1	NE	1	og	*	cm	*	62	45	-
	Cambridge ...	30.25	55	N	3	bc	30.26	-.02	54	50	+3	N	2	o	*	bc	6.3	60	45	-
	Yarmouth ...	30.22	53	NNE	4	c	30.22	-.01	52	49	+1	NNE	3	c	4	bc.c	*	55	49	-
Germany & Holland.	Cuxhaven ...	30.12	63	N	4	bc	30.12	-.01	57	57	+1	NNE	3	bc	*	bc	*	63	55	-
	Berlin	30.05	63	ENE	4	b	30.07	+.01	56	49	-5	ENE	3	b	*	b	*	72	48	-
	Wiesbaden ...	*	*	*	*	*	29.94	-.07	57	50	-2	NE	3	bc	*	*	*	68	54	-
	Munich	29.97	51	SE	5	o	29.86	-.07	47	47	-7	NE	5	r	*	o	*	57	46	1.06
	The Helder ...	30.16	55	NNE	3	b	30.16	-.01	54	50	0	N	2	c	2	b	*	59	52	-
Belgium.	Brussels ...	*	*	*	*	*	30.15	-.01	53	50	+2	NNE	4	o	*	b	*	61	50	-
	Cape Gris Nez ...	?	54	ENE	5	o	?	?	54	50	+2	NE	4	o	4	o	*	55	48	-
	Paris	30.02	59	NNE	1	b	30.10	.00	55	52	+1	N	4	m	*	b	*	64	50	-
	Brest	30.09	57	NE	4	b	30.22	.00	51	50	-1	WSW	1	o	1	b	*	59	45	-
	Lorient	30.13	58	NNE	5	b	30.21	+.05	50	48	-2	NNE	4	b	2	b	*	79	48	-
France &	Rochefort ...	30.05	66	NE	4	b	30.11	+.12	52	51	-2	ENE	4	b	*	b	*	73	48	-
	Belfort														*		*			
	Lyons	29.79	62	N	2	bc	29.81	-.07	54	50	-3	N	4	c	*	bc	*	66	52	0.04
	Nice	29.60	64	W	0	klr	29.46	-.27	62	60	-5	W	0	c	3	klr	*	75	55	1.06
	Perpignan ...	29.71	66	NW	4	r	29.81	+.03	63	53	-7	NW	6	f	*	r	*	73	61	-
	Biarritz ...	29.95	64	NNW	5	c	30.05	+.18	59	55	-3	NE	2	c	4	c	*	64	55	0.04
Peninsula.	Corunna ...														*		*			
	Lisbon	30.06	60	NNW	5	b	30.08	+.05	63	59	0	NW	4	b	*	b	*	70	57	-
	Azores (P. Delgada)	30.17	67	SSW	4	c	30.13	-.03	66	63	-1	W	0	o	2	c	*	70	63	0.04

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

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

Bright Sunshine yesterday Southport 8.7 hrs;

WEATHER CHARTS

FOR Thursday, 16th June, 1898

BAROMETER, WIND AND SEA.

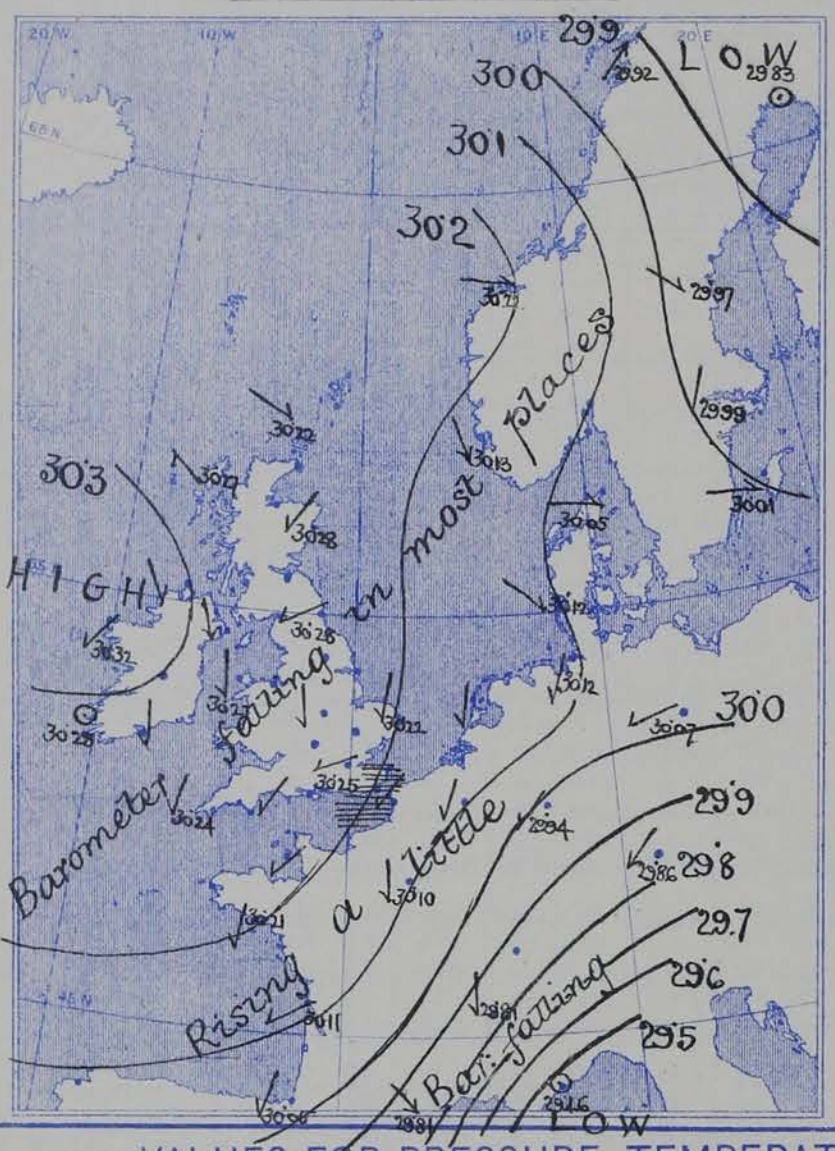
BAROMETER—Isobars are drawn for each tenth of an inch.

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

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

Force 8 to 10 ⟶ ;

SEA—Rough ▤ ; *High* ▩

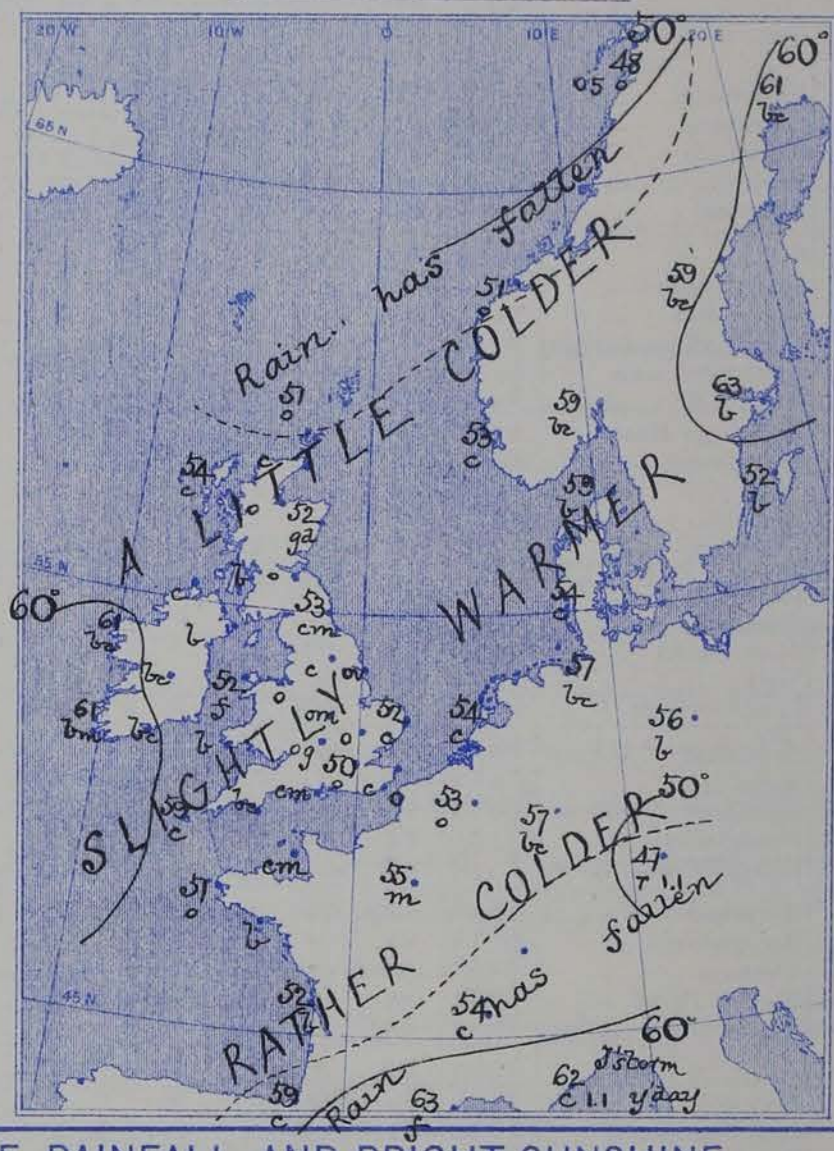


TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

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



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

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of				Absolute Extremes.				RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95.	
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum	Years.	Minimum.	Years		Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		*(Inches.)*		
Sumburgh Head	29 · 898	50 · 5	48 · 7	54 · 6	45 · 0	70	1891	33	1888	1 · 93	—	—
Stornoway	29 · 894	53 · 4	51 · 4	58 · 2	46 · 0	76	1893	31	1888	2 · 76	185 · 1	35
Wick	29 · 916	53 · 4	50 · 8	58 · 9	45 · 5	79	1878	30	1881	1 · 75	—	—
Nairn	29 · 917	54 · 4	51 · 0	62 · 3	47 · 3	86	1876	30	1888	1 · 73	—	—
Aberdeen	29 · 933	54 · 8	50 · 8	61 · 0	47 · 2	80	1881, 87	30	1888	1 · 80	196 · 5	37
Leith	29 · 943	55 · 9	52 · 3	63 · 9	48 · 0	86	1887	34	1886	1 · 79	—	—
Shields	29 · 959	54 · 9	51 · 8	60 · 6	48 · 5	76	1878, 84	37	1881, 86, 95	1 · 71	—	—
Spurn Head	29 · 971	55 · 3	52 · 8	60 · 3	51 · 1	80*	1885	34*	1881	1 · 64	—	—
York	29 · 979	56 · 1	52 · 7	66 · 2	48 · 4	88	1878	35	1894	2 · 21	173 · 0	34
Loughborough	29 · 991	57 · 7	53 · 8	68 · 6	48 · 8	86*	1893	32*	1895	2 · 20	—	—
Ardrossan	29 · 944	55 · 3	52 · 3	62 · 1	49 · 4	85	1878	36	1890	2 · 32	—	—
Malin Head	29 · 934	53 · 6	51 · 2	59 · 0	50 · 8	—	—	—	—	—	—	—
Belmullet	29 · 953	56 · 2	53 · 2	60 · 8	51 · 4	—	—	—	—	2 · 85	—	—
Donaghadee	29 · 959	55 · 1	53 · 0	61 · 5	49 · 7	77	1887	36	1880	2 · 03	—	—
Holyhead	29 · 976	55 · 9	53 · 4	61 · 7	51 · 3	83	1878	42	1882	1 · 97	—	—
Liverpool	29 · 976	57 · 0	52 · 8	64 · 0	51 · 1	85	1878, 93	38	1872	1 · 99	—	—
Parsonstown	29 · 981	56 · 2	52 · 9	64 · 9	48 · 5	85	1887	32	1881	2 · 34	173 · 7	35
Valencia	29 · 984	57 · 4	54 · 5	62 · 5	51 · 2	81	1887	40	1875, 80, 82	3 · 34	203 · 4	41
Roche's Point	29 · 983	57 · 0	53 · 8	64 · 3	51 · 3	80	1876, 87	41	1881	3 · 07	—	—
Pembroke	29 · 983	55 · 4	53 · 4	60 · 5	51 · 6	79	1893	38	1888	1 · 88	234 · 7	48
Scilly	30 · 002	57 · 5	55 · 3	61 · 5	53 · 2	75	1893	41	1888	1 · 76	—	—
Prawle Point	30 · 010	57 · 1	54 · 7	61 · 7	50 · 7	79*	1887	39*	1881	1 · 59	—	—
Jersey	30 · 019	59 · 0	55 · 9	64 · 9	52 · 8	87	1872	39	1890	1 · 86	243 · 1	51
Hurst Castle	30 · 007	57 · 9	55 · 7	64 · 6	52 · 0	84	1893	38	1881	1 · 83	—	—
Dover	29 · 989	58 · 2	55 · 0	63 · 0	52 · 3	77	1878	37	1890, 91, 92, 93	1 · 52	—	—
LONDON	30 · 001	58 · 9	54 · 6	69 · 2	50 · 6	91	1878	35	1880	1 · 99	167 · 4+	34+
Oxford	29 · 996	56 · 8	53 · 3	67 · 1	49 · 9	86	1876, 93	35	1892, 93	2 · 11	192 · 1	39
Cambridge	29 · 994	58 · 1	54 · 7	68 · 8	48 · 4	88	1888, 93	33	1892	2 · 14	195 · 3	40
Yarmouth	29 · 983	56 · 8	54 · 0	61 · 9	51 · 0	81	1877, 88	40	1892	1 · 86	—	—

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

\+ The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30·3 ins. and upwards over the N^rn. and central parts of Ireland, 30·1 ins. and upwards in an anticyclone embracing the whole of our Islands, the North Sea and the neighbouring parts of the Continent.
Lowest 29·5 ins. and less in a deep depression over the Gulf of Genoa; 29·9 ins. & less in the N. of Sweden.
Gradients slight generally, but steep over the south of France.
Barometer falling a little in our Islands and also in Scandinavia and Denmark; rising in most other localities, but falling in the extreme south of France.

TEMPERATURE

Highest (1) 63° at Perpignan and Lisbon, and 62° at Nice; (2) 65° at Stockholm, and 61° at Haparanda; (3) 62° at Roches Point.
Lowest (1) 47° at Munich; (2) 48° at Bodo, and 51° at Christiansund and Sumburgh Hd.; (3) 50° in London and at Oxford.
During yesterday the thermometer rose to 60° and upwards in most parts of the United Kingdom, to 68° at Nairn, and to 71° at Parsonstown. On the E. and S.E. coasts of England it did not exceed 55°.

WIND

Light to moderate from the N^wd. or NE^wd. over the greater part of our Islands, France, Germany and the Netherlands, but NW^ly. on some parts of our own northwest coasts.
W^ly. or NW^ly. at most of the Scandinavian and Danish stations, and strong in force at Bodo & Skuden.

WEATHER

Cloudy or dull in most parts of Gt. Britain, with drizzling rain at Aberdeen.
Fine in nearly all other parts of W^rn. Europe, but dull in the W. of Norway, & rainy at Munich.
A little rain fell yesterday in the Shetlands and W. of Norway and larger quantities in the S^rn. parts of France and Germany, with a thunderstorm at Nice. Solar halos were seen at Oxford yesterday.

SEA

Slight or smooth generally, but rather rough at Dungeness.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

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

FORECASTS

For the 24 hours ending at NOON on 17TH JUNE 1898

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	Light variable airs, fair generally.
1	SCOTLAND EAST	N^ly. winds, light, fair generally.
2	ENGLAND N.E.	
3	ENGLAND EAST	
4	MIDLAND COUNTIES	NE^ly. winds, light, fair generally.
5	ENGLAND SOUTH	
6	SCOTLAND WEST	Light breezes, chiefly NW^ly. fair generally, but some mist or fog.
7	ENGLAND N.W.	
8	ENGLAND S.W.	Same as Nos. 3 to 5.
9	IRELAND NORTH	Same as Nos. 1 and 2.
10	IRELAND SOUTH	
	WARNINGS	None issued.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	30·21	56	51	NNW	6	o	2
Sumburgh Head	30·23	51	51	W	2	f	2
Stornoway	30·23	63	56	N	1	d	1
Aberdeen	30·31	55	52	E	2	bc	1
Shields	30·30	52	50	E	2	cm	2
Ardrossan	30·26	65	61	NW	3	c	0
Malin Head ...	30·34	59	56	NW	4	c	2
Belmullet	30·37	62	57	NE	1	b	*
Holyhead	30·32	57	54	N	1	of	1
Valencia	30·35	61	58	NW	3	cm	3
Scilly	30·27	59	56	N	3	cmv	3
Jersey	30·23	58	52	NNE	4	bc	3
Hurst Castle ...	30·23	63	58	ENE	2	bcm	2
Dungeness ...	30·19	55	51	NNE	4	c	3
North Foreland	30·23	53	49	N	4	o	3
London (Westminster)	30·24	59	50	NE	2	c	*
Yarmouth ...	30·23	55	51	N	4	bc	4
Rochefort ...	30·01	71	67	NE	4	b	*

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

Weather in morning fair or fine over W.rn and N.rn Europe generally, but dull at several of the English and Irish stations. Dull in most of the central and southern countries, with rain at Munich, Belfort and Lyons, but fine in Portugal, and also over Greece and N.rn Italy. Sky clearing later in most parts of England and Ireland, but solar halos seen at Oxford. A little rain falling in the Shetlands and W. of Norway, and much larger amounts in the S.rn parts of France and Germany, with a thunderstorm at Nice.

Temperature risen in the W. and N. of our Islands and also in Scandinavia and Denmark, but fallen in most other localities. Morning readings highest 80° at Brindisi and Palermo, 79° at Spezia, and 78° at Athens; above 70° in many parts of S.rn Europe. Lowest (1) 43° at Archangel, 47° at Bodo, and 49° at Sumburgh Head; (2) 48° at Loughborough, and 49° at Oxford. Rising during day to 60° and upwards in most parts of the United Kingdom, to 68° at Nairn, and to 71° at Parsonstown; exceeding 70° also in the W. and S. of France, and reaching 79° at Lorient.

Wind light from the W.wd or NW.wd over the northern parts of the United Kingdom; but moderate from the N.wd or NE.wd in the south, as well as over the greater part of France and the Netherlands; NW.ly over the Spanish peninsula. NE.ly over Finland, N.ly over Scandinavia, Denmark and Germany; W.ly in the south of Russia. Variable over Austria, Italy and the south of France. No important change occurring during day.

Barometer highest 30·3 ins. and upwards over Ireland and Wales; 30·1 ins. and upwards in an anticyclone covering the whole of NW.rn Europe. Lowest 29·5 ins. and less in a depression over central Russia; 29·8 ins. and less in a large shallow disturbance over the S. of France and the neighbouring parts of Italy and the Mediterranean. Scarcely any change occurring over the W.rn countries later.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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

DAILY WEATHER REPORT

for 8 a.m. on Friday 17TH JUNE, 1898.

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

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)									PAST 24 HOURS.				
		Barom.	Temp.	Wind.		Weather	Barometer.		Temperature.			Wind.		Weather.	Sea (0 to 9.)	Weather.	Hours of Bright Sunshine.	Temp.		Rainfall.
		At 32° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)		At 32° Fahr. and M. S. L.	Change since Yesterday.	Dry Bulb.	Wet Bulb.	Change since Yesterday.	Direc.	Force (0 to 12.)					Max.	Min.	
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
Scandinavia.	Haparanda ...	29.75	55	Z	0	c	29.68	—.15	60	51	— 1	N	2	c	*	c	*	63	45	0.04
	Hernösand ...	29.95	58	NW	2	b	29.91	—.06	56	48	— 3	NW	2	b	*	b	*	66	50	—
	Stockholm ...	29.98	58	SE	2	o	29.94	—.05	63	55	o	E	2	b	*	o	*	70	46	—
	Wisby	29.98	56	NNW	4	bc	29.96	—.05	55	51	+ 3	NNW	4	bc	*	bc	*	61	45	—
	Karlstad ...	29.95	66	SSE	2	c	29.92	—.09	60	55	+ 1	S	2	b	*	c	*	*	*	—
	Bodö	29.88	48	SW	6	r	29.83	—.09	48	46	o	SW	4	o	2	r	*	45	45	0.16
	Christiansund ...	30.12	53	W	3	o	30.01	—.20	48	47	— 3	W	4	r	4	o	*	55	45	0.16
	Skudesnaes ...	30.12	52	NNW	6	b	30.10	—.03	52	49	— 1	NNW	6	b	2	b	*	57	46	*
	Færder (Christiania Fjord)	29.97	61	SSW	2	bc	29.94	—.08	60	54	+ 1	N	1	bc	1	bc	*	66	57	—
	Skagen (The Scaw)	30.00	62	SSW	1	b	29.96	—.09	60	57	+ 1	SW	2	b	0	b	*	72	54	—
	Fanö	30.07	53	WNW	4	o	30.05	—.07	54	50	o	NW	6	bc	*	•	*	57	52	—
	Sumburgh Head	30.19	52	W	2	bc	30.06	—.16	50	49	— 1	WSW	2	r	3	o.bc	*	55	45	—
	Stornoway ...	30.20	57	SE	2	c	30.10	—.17	55	54	+ 1	SSW	3	o	3	c	10.5	60	50	0.02
	Wick	30.24	54	S	1	c	30.14	—.09	57	56	+ 1	S	1	r	1	c	*	62	47	—
	Nairn	30.20	60	E	2	b	30.14	—.13	57	53	+ 1	W	1	c	1	b	*	66	43	—
	Aberdeen ...	30.24	54	S	2	bc	30.14	—.14	64	57	+ 12	SSW	1	bc	1	r.o.bc	2.3	64	49	0.03
British Islands.	Leith	30.19	60	E	1	b	30.17	—.09	59	55	+ 4	N	1	cm	*	b	*	63	49	—
	Shields	30.25	52	ESE	3	o	30.20	—.08	52	51	— 1	SW	2	m	2	c.o	*	56	48	—
	Spurn Head ...	30.26	52	E	2	c	30.23	—.03	56	54	+ 4	SSW	3	cv	3	p.c	*	57	50	0.04
	York	30.24	57	SE	2	o	30.24	+ .04	54	52	+ 1	SW	1	c	*	o	4.5	67	48	—
	Loughborough ...	30.23	66	SE	1	c	30.25	+ .03	57	54	+ 6	SSE	1	cm	*	cm.c.o.c	*	67	50	—
	Ardrossan ...	30.19	60	NW	4	c	30.19	—.06	57	56	— 2	S	2	b	1	bc.c	*	63	46	—
	Malin Head ...	30.24	58	NNW	1	b	30.13	—.18	60	56	+ 7	SSW	4	bc	1	b	*	60	48	—
	Belmullet ...	30.27	63	NE	1	b	30.21	—.11	60	56	— 1	WSW	3	c	*	b	*	66	53	—
	Donaghadee ...	30.25	60	NNW	4	b	30.22	—.06	62	57	+ 6	W	3	b	1	b	*	63	44	—
	Liverpool (Bidston)	30.23	58	WNW	1	o	30.25	—.01	58	53	+ 3	W	3	b	2	cm	*	65	52	—
	Holyhead ...	30.25	55	NW	2	b	30.26	—.01	60	56	+ 5	SSW	1	b	1	f.cm.b	*	60	49	—
	Parsonstown ...	30.23	69	NW	1	b	30.24	—.07	64	59	+ 5	W	1	c	*	b	12.0	70	50	—
	Valencia ...	30.25	63	Z	0	bm	30.27	—.01	58	55	— 3	WSW	1	c	2	bm	13.3	65	53	—
	Roche's Point ...	30.27	63	S	3	bc	30.26	—.03	60	56	— 2	W	1	bm	1	bc	*	65	52	—
	Pembroke (St. Ann's Hd.)	30.23	61	NNE	4	b	30.27	+ .03	59	54	o	NNW	2	b	2	b	14.1	62	50	—
	Scilly	30.24	60	N	2	c	30.28	+ .04	60	58	+ 1	N	1	cf	1	c	13.2	62	58	0.01
	Prawle Point ...	30.25	54	SSW	3	b	30.29	+ .03	54	54	— 1	WSW	3	of	2	c.b	*	58	50	—
	Jersey (St. Aubin's)	30.23	59	NNE	3	bm	30.30	+ .07	60	54	+ 3	NE	1	bmw	1	bm.bw	*	61	45	—
	Hurst Castle ...	30.23	57	SW	2	bm	30.28	+ .03	59	56	+ 5	SSE	1	bm	0	bm	*	64	48	—
	Dungeness ...	30.20	57	NE	3	c	30.27	+ .05	55	52	+ 2	NE	3	c	2	c	*	60	51	—
	North Foreland	30.23	54	N	3	bc	30.29	+ .07	54	51	+ 2	N	1	o	1	c.bc	*	56	51	—
	London (Brixton) ...	30.23	60	NE	2	c	30.29	+ .04	58	54	+ 5	NW	2	c	*	c.b	3.1†	65	49	—
	Oxford	30.25	56	E	1	bc	30.28	+ .01	58	54	+ 5	S	1	bm	*	bc	*	66	49	—
	Cambridge ...	30.24	59	N	1	o	30.28	+ .02	55	53	+ 1	ESE	1	c	*	o	0.9	61	46	—
	Yarmouth ...	30.22	54	N	3	c	30.26	+ .04	53	50	+ 1	NNE	2	bc	3	c	*	57	50	—
Germany & Holland.	Cuxhaven ...	30.08	59	N	4	bc	30.13	+ .01	54	54	— 3	NW	4	o	*	bc	*	61	52	—
	Berlin	29.99	65	NE	3	b	30.06	—.01	62	51	+ 6	Z	0	c	*	b	*	72	52	—
	Wiesbaden ...	*	*	*	*	*	30.12	+ .18	59	55	+ 2	NW	3	c	*	*	*	68	55	—
	Munich	29.99	48	SE	3	r	30.10	+ .24	51	50	+ 4	W	2	o	*	r	*	52	46	1.22
	The Helder ...																*			
Belgium.	Brussels ...	*	*	*	*	*	30.25	+ .10	52	51	— 1	SE	2	o	*	b	*	65	49	—
	Cape Gris Nez ...	?	54	ENE	4	b	?	?	54	51	o	E	2	o	2	b	*	57	50	—
	Paris	30.11	62	N	4	b	30.23	+ .13	51	49	— 4	N	3	o	*	b	*	68	47	—
	Brest	30.21	64	NE	2	o	30.28	+ .16	52	49	+ 1	NE	2	b	2	b	*	68	45	—
	Lorient	30.18	63	W	1	b	30.28	+ .07	53	50	+ 3	E	3	b	3	b	*	72	48	—
France &	Rochefort ...	30.12	66	NW	3	c	30.22	+ .11	55	54	+ 3	NE	3	b	*	c	*	70	50	—
	Belfort	29.97	50	NE	2	r	30.05		54	50		NE	2	m	*	r	*	60	46	0.24
	Lyons	29.93	54	N	3	o	30.02	+ .21	55	50	+ 1	N	4	b	*	o	*	68	63	—
	Nice	29.89	60	Z	o	c	29.78	+ .32	58	57	— 4	E	1	o	3	c	*	66	55	1.14
	Perpignan ...	29.92	68	NW	4	b	30.04	+ .23	61	55	— 2	NW	4	o	*	b	*	70	55	0.20
	Biarritz ...	30.09	62	WNW	4	bc	30.14	+ .09	60	57	+ 1	S	2	c	2	bc	*	64	57	—
Peninsula.	Corunna ...																*			
	Lisbon	30.08	60	NW	4	b	30.11	+ .03	65	59	+ 2	Z	0	b	*	b	*	72	57	—
	Azores (P. Delgada)	30.13	64	ESE	3	r	30.15	+ .02	67	66	+ 1	SW	3	c	3	r	*	72	64	0.12

For Explanation of Columns, see bottom of last page. † The corresponding value in yesterday's report should have been 6.0 hours.

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

Bright Sunshine yesterday Southport 1.5 hrs;

WEATHER CHARTS

FOR FRIDAY, 17th JUNE, 1898

BAROMETER, WIND AND SEA.

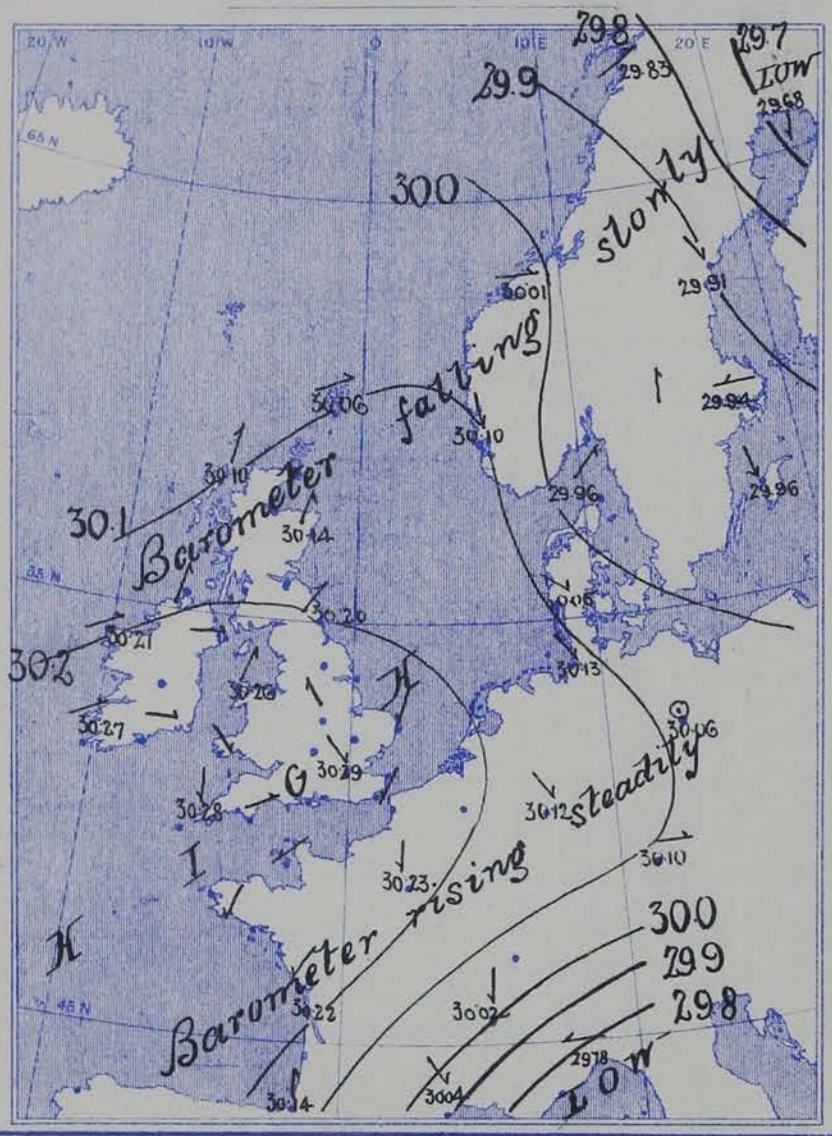
BAROMETER—Isobars are drawn for each tenth of an inch.

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

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

Force 8 to 10 ⟫⟶ ; Force 1 to 4 ⟶ ; }

SEA—Rough ▤ ; High ▩

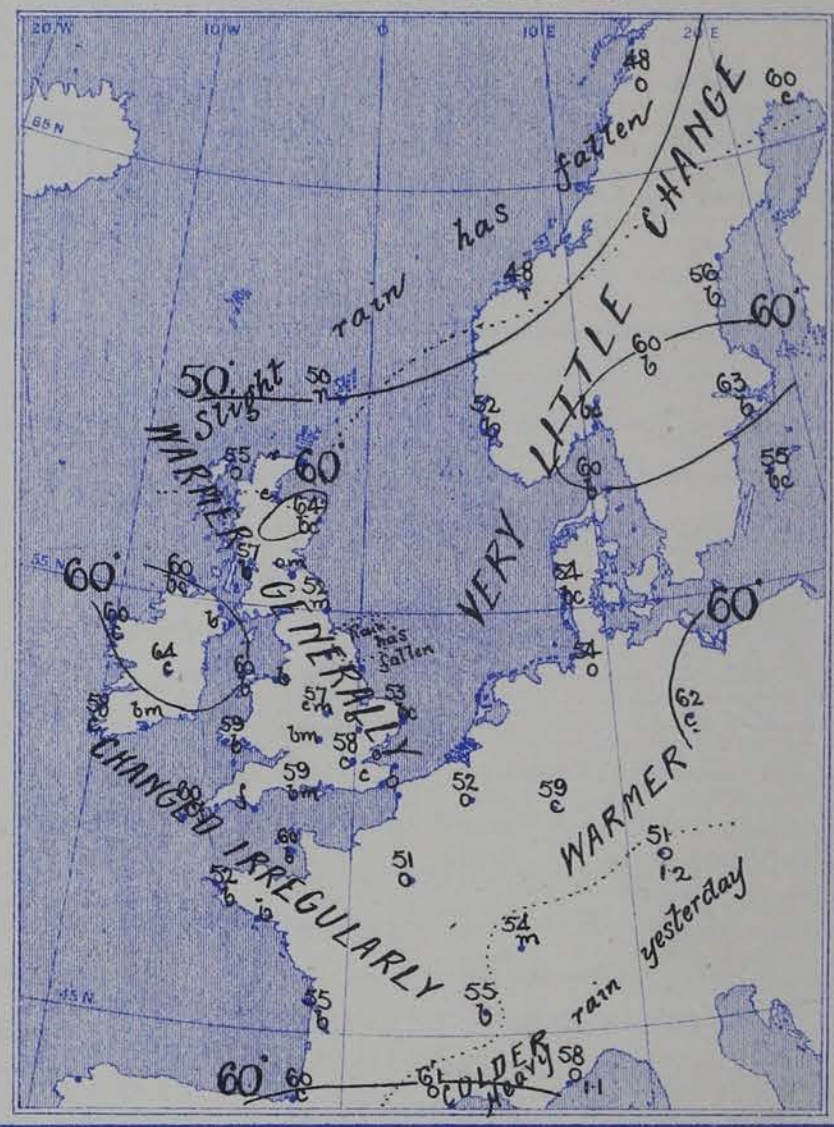


TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

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



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

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of				Absolute Extremes.				RAINFALL. Means.	BRIGHT SUNSHINE. Means, 1881—95.	
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum	Years.	Minimum.	Years	1866—95.	Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29·898	50·5	48·7	54·6	45·0	70	1891	33	1888	1·93	—	—
Stornoway	29·894	53·4	51·4	58·2	46·0	76	1893	31	1888	2·76	185·1	35
Wick	29·916	53·4	50·8	58·9	45·5	79	1878	30	1881	1·75	—	—
Nairn	29·917	54·4	51·0	62·3	47·3	86	1876	30	1888	1·73	—	—
Aberdeen	29·933	54·8	50·8	61·0	47·2	80	1881, 87	30	1888	1·80	196·5	37
Leith	29·943	55·9	52·3	63·9	48·0	86	1887	34	1886	1·79	—	—
Shields	29·959	54·9	51·8	60·6	48·5	76	1878, 84	37	1881, 86, 95	1·71	—	—
Spurn Head	29·971	55·3	52·8	60·3	51·1	80*	1885	34*	1881	1·64	—	—
York	29·979	56·1	52·7	66·2	48·4	88	1878	35	1894	2·21	173·0	34
Loughborough	29·991	57·7	53·8	68·6	48·8	86*	1893	32*	1895	2·20	—	—
Ardrossan	29·944	55·3	52·3	62·1	49·4	85	1878	36	1890	2·32	—	—
Malin Head	29·934	53·6	51·2	59·0	50·8	—	—	—	—	—	—	—
Belmullet	29·953	56·2	53·2	60·8	51·4	—	—	—	—	2·85	—	—
Donaghadee	29·959	55·1	53·0	61·5	49·7	77	1887	36	1880	2·03	—	—
Holyhead	29·976	55·9	53·4	61·7	51·3	83	1878	42	1882	1·97	—	—
Liverpool	29·976	57·0	52·8	64·0	51·1	85	1878, 93	38	1872	1·99	—	—
Parsonstown	29·981	56·2	52·9	64·9	48·5	85	1887	32	1881	2·34	173·7	35
Valencia	29·984	57·4	54·5	62·5	51·2	81	1887	40	1875, 80, 82	3·34	203·4	41
Roche's Point	29·983	57·0	53·8	64·3	51·3	80	1876, 87	41	1881	3·07	—	—
Pembroke	29·983	55·4	53·4	60·5	51·6	79	1893	38	1888	1·88	234·7	48
Scilly	30·002	57·5	55·3	61·5	53·2	75	1893	41	1888	1·76	—	—
Prawle Point	30·010	57·1	54·7	61·7	50·7	79*	1887	39*	1881	1·59	—	—
Jersey	30·019	59·0	55·9	64·9	52·8	87	1872	39	1890	1·86	243·1	51
Hurst Castle	30·007	57·9	55·7	64·6	52·0	84	1893	38	1881	1·83	—	—
Dover	29·989	58·2	55·0	63·0	52·3	77	1878	37	1890, 91, 92, 93	1·52	—	—
LONDON	30·001	58·9	54·6	69·2	50·6	91	1878	35	1880	1·99	167·4†	34†
Oxford	29·996	56·8	53·3	67·1	49·9	86	1876, 93	35	1892, 93	2·11	192·1	39
Cambridge	29·994	58·1	54·7	68·8	48·4	88	1888, 93	33	1892	2·14	195·3	40
Yarmouth	29·983	56·8	54·0	61·9	51·0	81	1877, 88	40	1892	1·86	—	—

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

† The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30·2 ins. and upwards in an anticyclone lying over Ireland, England, the Netherlands and the northern parts of France

Lowest 29·7 ins. and less in a depression over Lapland; 29·8 ins. and less in another disturbance over the Gulf of Genoa. Gradients slight. Barometer falling at all our more N^rn. stations, but steady in the S. of our Islands, and rising over France and Germany.

TEMPERATURE

Highest (1) 65° at Lisbon and 61° at Perpignan; (2) 64° at Aberdeen and Parsonstown, and 62° at Donaghadee; (3) 63° at Stockholm, and 62° at Berlin.

Lowest (1) 48° at Bodö and Christiansund, and 50° at Sumburgh Hd.; (2) 51° at Paris & Munich, & 52° at Brussels & Brest.

During yesterday the thermometer rose to 65° or a little above it in many parts of the United Kingdom, and to 70° at Parsonstown.

WIND

Light from the S^wd. or SW^wd. over the northern parts of our Islands, and from the W^wd. in the south of Ireland, but variable in the south of England; N. by W. or NE. by N. in France. N. by W. or NW. by N. over the greater part of Scandinavia and Denmark and strong in force at Skudesnaes and Fanö.

WEATHER

Fair or fine over W^rn. Europe as a whole, but foggy in the W^rn. parts of the English Channel, and dull in the N. of Scotland and the W. of Norway, with rain at Sumburgh Hd. Wick & Christiansund.

Dull also in some parts of Germany and the south of France.

Slight rain fell yesterday at one or two of our own N^rn. and E^rn. stations and also in the W. of Norway, and larger quantities in the S^rn. parts of France and Germany, - as much as 1·2 in. at Munich, and 1·1 in. at Nice.

SEA

Slight or smooth generally.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The anticyclone is moving southwards, and depressions are likely to appear shortly off our north and northwest coasts. SW. by W. winds will probably spread over the entire Kingdom, with some rain in the west and north.

FORECASTS

For the 24 hours ending at NOON on 18TH JUNE 1898

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	S. by W. and SW. by W. winds, moderate, cloudy, some rain.
1	SCOTLAND EAST	
2	ENGLAND N.E.	SW. by W. winds, light, fair at first, showery later.
3	ENGLAND EAST	Variable breezes, finally SW.; fair, warm.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	Same as No. 2.
7	ENGLAND N.W.	
8	ENGLAND S.W.	NW. by W. to W. by W. winds, light, fair generally but some fog on coast.
9	IRELAND NORTH	W. by W. to SW. by W. winds, moderate or fresh, fine at first, some rain later.
10	IRELAND SOUTH	
	WARNINGS	None issued

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

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	30·13	57	53	NNW	8	c	2
Sumburgh Head	30·21	53	52	WNW	2	o	3
Stornoway ...	30·24	58	54	SE	1	c	2
Aberdeen	30·26	54	52	ESE	2	o	1
Shields	30·27	53	51	ENE	2	c	3
Ardrossan	30·20	61	58	NW	4	bc	2
Malin Head ...	30·28	57	53	NNW	1	b	1
Belmullet	30·29	64	57	NNE	1	b	*
Holyhead	30·26	58	55	NW	3	cm	2
Valencia	30·26	65	61	W	2	bm	3
Scilly	30·24	60	57	N	2	c	3
Jersey	30·23	60	55	NNE	3	bm	3
Hurst Castle ...	30·23	60	55	SW	2	bm	2
Dungeness ...	30·20	59	55	NNE	3	c	2
North Foreland	30·23	56	52	N	3	c	3
London (Westminster)	30·23	63	55	NE	3	c	*
Yarmouth ...	30·22	57	52	NNE	3	c	4
Rochefort ...	30·13	65	64	N	3	o	*

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

Weather in morning fine in Ireland, but cloudy or dull in most parts of Gt. Britain, with drizzling rain at Aberdeen. Fine over Nrn Europe as a whole, and also over the Spanish peninsula, Greece and Srn Italy; dull and rainy over Nrn Italy and the neighbouring parts of Germany and Austria. Sky clearing later in many parts of England, but slight rain falling at one or two of our Nrn and Ern stations, as well as in the W. of Norway, and considerable quantities over the southern parts of France and Germany.

Temperature risen in most parts of our Islands, and also over Sweden and Nrn Russia; fallen in most other localities. Morning readings highest 81° at Brindisi and Patras, 80° at Athens, and 78° at Palermo, above 70° in many parts of Srn Europe. Lowest (1) 47° at Munich, 48° at Moscow, and 50° at Breslau and Kiew; (2) 48° at Bodö, and 51° at Christiansund and Sumburgh Hd.; (3) 50° in London and at Oxford. Rising during day to 65° and upwards in many parts of the United Kingdom, France and Germany to 70° at Parsonstown, and to 72° at Lorient and Berlin, as well as at Lisbon.

Wind light to moderate from the Nwd or NEwd over the greater part of our Islands, France, Germany and the Netherlands, but NW. by W. on our own northwest coasts. W. over the northern parts of Scandinavia, but N. by W. in the south, as well as at most of the Russian stations; W. by N. or NW. by W. in Denmark. Fresh to strong from the NWwd in the extreme south of France, and from the SWwd in Italy; E. by N. or NE. by N. in Austria, with a gale at Trieste. Subsequently shifting to the NEwd in the northeast of England and the N. and E. of Scotland; no important change occurring elsewhere.

Barometer highest 30.3 ins. and upwards over the Nrn and central parts of Ireland, 30.1 ins. and upwards in an anticyclone embracing the whole of our Islands, the North Sea and the neighbouring parts of the Continent. Lowest 29.5 ins. and less in an elongated depression extending from the Gulf of Genoa to the Nrn parts of the Adriatic, and also in another area over central Russia. No important change occurring later, but very shallow depression forming over Scotland, and barometer falling slightly in most parts of our Island.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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" Weekly " " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on Saturday, 18th June, 1898.

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

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)								PAST 24 HOURS.				
		Barom.	Temp.	Wind.		Weather	Barometer.		Temperature.			Wind.		Weather.	Sea (0 to 9.)	Weather.	Hours of Bright Sunshine.	Temp.		Rainfall.
		At 32° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)		At 32° Fahr. and M. S. L.	Change since Yesterday.	Dry Bulb.	Wet Bulb.	Change since Yesterday.	Direc.	Force (0 to 12.)					Max.	Min.	
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
Scandinavia	Haparanda ...	29.62	50	W	2	0	29.67	-.01	52	46	- 8	N	2	c	*	bc	*	64	43	0.24
	Hernösand ...	29.81	56	NNW	2	bc	29.74	-.17	54	45	- 2	NW	1	b	*	bc	*	63	46	-
	Stockholm ...	29.89	51	N	2	0	29.80	-.14	56	53	- 1	2	0	0	*	0	*	70	50	0.08
	Wisby	29.85	60	SSW	4	c	29.82	-.14	51	50	- 4	NNW	4	0	*	c	*	63	50	-
	Karlstad ...	29.89	60	NE	2	b	29.80	-.12	55	52	- 5	SSE	4	0	*	b,r	*	*	*	0.08
	Bodö	29.82	49	N	2	b	29.79	-.04	50	47	+ 2	NNE	2	c	1	b	*	50	45	-
	Christiansund ...	29.95	51	W	5	0	29.72	-.29	51	49	+ 3	SSE	3	r	?	0	*	54	45	0.71
	Skudesnaes ...	30.06	52	WSW	2	r	29.86	-.24	53	51	+ 1	S	2	m	1	b,r	*	56	46	*
	Færder (Christiania Fjord)	29.89	62	W	1	0	29.83	-.11	58	50	- 2	NNW	2	bc	1	0	*	64	55	-
	Skagen (The Scaw)	29.91	59	W	1	bc	29.90	-.06	58	54	- 2	NNW	4	bc	0	bc	*	72	55	-
	Fanö	30.13	51	NW	5	b	30.03	-.02	56	54	+ 2	W	5	c	*	b	*	59	52	-
British Islands.	Sumburgh Head	29.97	51	WSW	3	r	29.54	-.32	52	52	+ 2	WSW	4	r	5	0,r	*	54	46	0.86
	Stornoway ...	29.95	58	WSW	4	c	29.73	-.37	55	54	0	W	4	0	4	p,0,c	0.0	58	52	0.15
	Wick	30.03	56	S	2	0	29.70	-.44	60	58	+ 3	NNW	3	0	1	0	*	62	52	0.05
	Nairn	30.02	65	WSW	2	c	29.73	-.41	61	56	+ 4	W	3	0	1	c	*	67	54	0.03
	Aberdeen ...	30.05	56	E	2	bc	29.75	-.39	63	57	- 1	SW	2	c	1	bc,r	8.4	66	50	0.10
	Leith	30.08	68	W	3	bc	29.86	-.31	60	57	+ 1	WSW	3	0	*	bc	*	75	55	0.08
	Shields	30.12	68	W	3	c	29.98	-.22	60	57	+ 8	SW	3	op	2	bm,c	*	71	50	-
	Spurn Head ...	30.15	57	SSE	4	c	30.08	-.15	61	59	+ 5	WSW	3	c	3	c	*	63	54	-
	York	30.16	70	W	3	b	30.07	-.17	60	56	+ 6	SSW	3	c	*	b	11.0	74	52	-
	Loughborough ...	30.19	72	WNW	2	b	30.16	-.09	59	55	+ 2	W	3	cm	*	cm,bc,c	*	74	51	-
	Ardrossan ...	30.11	62	WSW	2	0	29.93	-.26	56	56	- 1	S	4	om	3	c,0	*	62	55	0.11
	Malin Head ...	30.11	60	W	4	bc	29.90	-.23	56	56	- 4	SSW	6	rqm	4	bc	*	66	55	0.08
	Belmullet ...	30.16	61	WSW	5	0	30.04	-.17	58	58	- 2	W	4	0	*	0	*	64	58	0.15
	Donaghadee ...	30.14	68	WSW	3	bc	30.00	-.22	60	58	- 2	WSW	4	c	2	bc	*	70	54	-
	Liverpool (Bidston)	30.20	65	WNW	1	b	30.10	-.15	63	57	+ 5	SW	3	c	3	b	*	67	53	-
	Holyhead ...	30.21	58	SW	3	cm	30.13	-.13	56	54	- 4	SW	4	om	3	cf,cm	*	64	53	-
	Parsonstown ...	30.20	65	W	1	c	30.11	-.13	60	58	- 4	W	2	or	*	c	7.5	70	55	0.01
	Valencia ...	30.26	62	SSW	3	bcm	30.19	-.08	59	58	+ 1	SW	4	ogm	4	cf,bcm	7.6	64	56	-
	Roche's Point ..	30.25	65	SW	4	b	30.21	-.05	61	58	+ 1	SW	4	m	4	b	#	66	55	-
	Pembroke (St. Ann's Hd.)	30.28	62	NW	4	bc	?30.22	-.05	57	54	- 2	WNW	4	bm	3	bc	13.7	62	54	-
	Scilly	30.31	61	W	1	b	30.28	.00	61	57	+ 1	SW	2	c	1	b	14.5	64	55	-
	Prawle Point ..	30.27	58	WSW	3	bc	30.27	-.02	58	56	+ 4	WSW	3	bc	2	bc	*	60	52	-
	Jersey (St. Aubin's)	30.30	62	W	3	bm	30.31	+.01	55	55	- 5	WSW	3	b,f	3	b,f	*	63	48	-
	Hurst Castle ...	30.26	58	SW	3	cm	30.24	-.04	60	57	+ 1	WSW	2	bcm	1	bm,cm	*	64	54	-
	Dungeness ...	30.25	56	SW	3	o	30.21	-.06	56	53	+ 1	WSW	3	f	2	0	*	59	53	-
	North Foreland	30.26	56	SE	2	bc	30.20	-.09	63	59	+ 9	W	1	b	1	bc	*	63	49	-
	London (Brixton) ...	30.23	66	SW	3	b	30.21	-.08	65	59	+ 7	SW	2	b	*	c,b	3.5	72	52	-
	Oxford	30.21	67	WNW	1	b	30.20	-.08	61	56	+ 3	WSW	4	bm	*	bm	*	74	53	-
	Cambridge ...	30.19	73	SW	1	bc	30.16	-.12	65	60	+ 10	WSW	3	bc	*	bc	8.9	73	52	-
	Yarmouth ...	30.20	58	S	3	bc	30.14	-.12	63	58	+ 10	W	2	b	2	bc	*	63	51	-
Germany & Holland.	Cuxhaven ...	30.15	56	NW	4	c	30.12	-.01	55	55	+ 1	WSW	4	c	*	c	*	57	52	-
	Berlin	30.08	61	W	3	b	30.12	+.06	56	51	- 6	W	4	c	*	b	*	72	50	-
	Wiesbaden ...	*	*	*	*	*	30.25	+.10	56	51	- 3	NW	2	b	*	*	*	68	46	-
	Munich... ..	30.17	56	SE	0	bc	30.25	+.15	57	53	+ 6	W	3	bc	*	bc	*	63	46	-
	The Helder ...	30.23	55	NW	1	bc	30.12		58	56		SW	3	b	2	bc	*	59	45	-
France & Belgium.	Brussels ...	*	*	*	*	*	30.25	.00	57	54	+ 5	SW	3	b	*	b	*	61	42	-
	Cape Gris Nez...	?	55	W	1	m	?	?	55	54	+ 1	SW	3	m	3	m	*	61	50	-
	Paris	30.25	62	N	3	b	30.30	+.07	56	53	+ 5	SE	0	b	*	b	*	66	46	-
	Brest	30.31	59	N	2	b	30.33	+.05	55	55	+ 3	NNW	1	m	0	b	*	64	46	-
	Lorient... ...	30.28	63	W	2	b	30.31	+.03	58	56	+ 5	E	2	b	1	b	*	72	48	-
	Rochefort ...	30.21	65	NW	4	b	30.28	+.06	57	55	+ 2	N	2	b	*	b	*	70	52	-
	Belfort	30.09	64	NNE	1	bc	30.23	+.18	54	51	0	NE	2	m	*	bc	*	67	47	-
	Lyons	30.09	66	N	2	b	30.21	+.19	59	53	+ 4	NNW	2	b	*	b	*	68	52	-
	Nice	29.94	62	SE	0	c	30.08	+.30	65	56	+ 7	SE	0	bc	2	c	*	65	55	0.04
	Perpignan ...	30.08	70	NW	3	b	30.21	+.17	66	55	+ 5	NW	3	b	*	b	*	72	56	-
	Biarritz ...	30.19	64	NNW	3	b	30.22	+.08	63	59	+ 3	SE	0	b	2	b	*	66	57	-
Peninsula.	Corunna ...																*			
	Lisbon	30.12	71	NNW	4	b	30.11	.00	73	59	+ 8	NNE	4	b	*	b	*	74	65	-
	Azores (P. Delgada)	30.24	66	NE	2	b	30.24	+.09	68	65	+ 1	SE	0	b	2	b	*	73	63	-

For Explanation of Columns, see bottom of last page.

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

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

Bright Sunshine yesterday Southport 12.2 hrs;

WEATHER CHARTS

FOR Saturday, 18th June, 1898

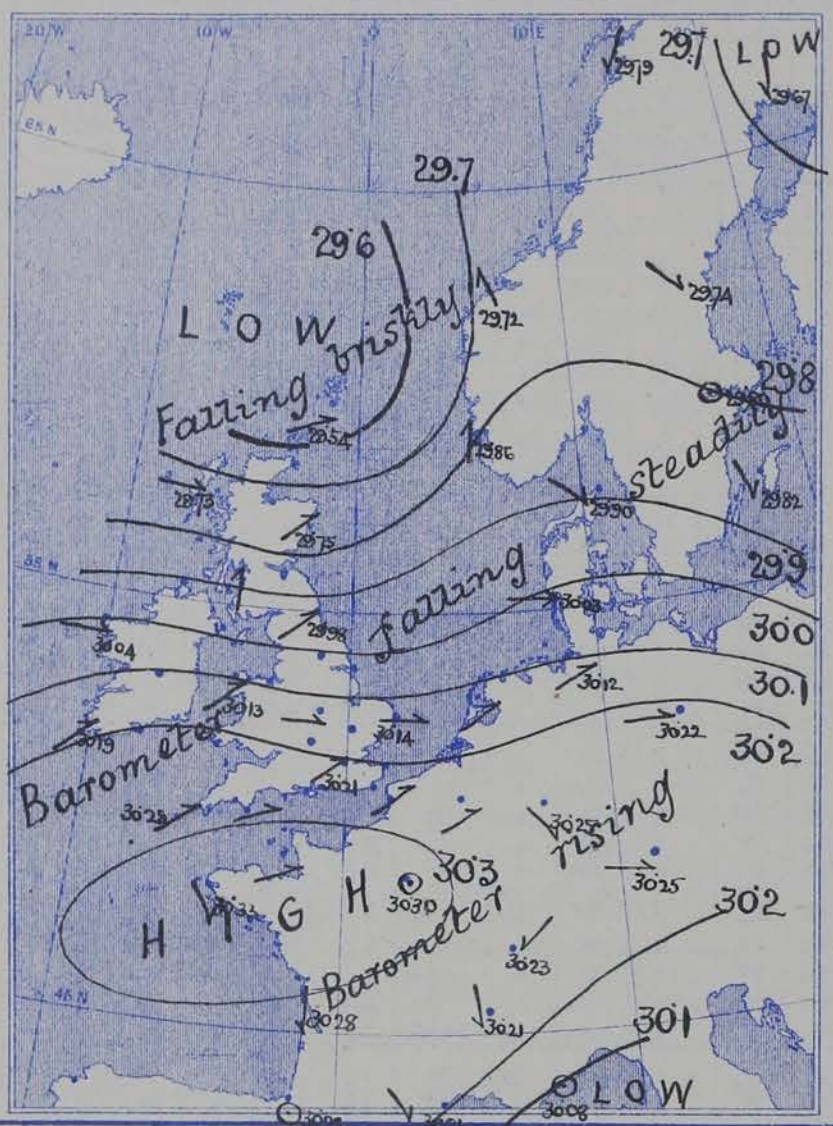
BAROMETER, WIND AND SEA.

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

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

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

SEA—Rough ; *High*

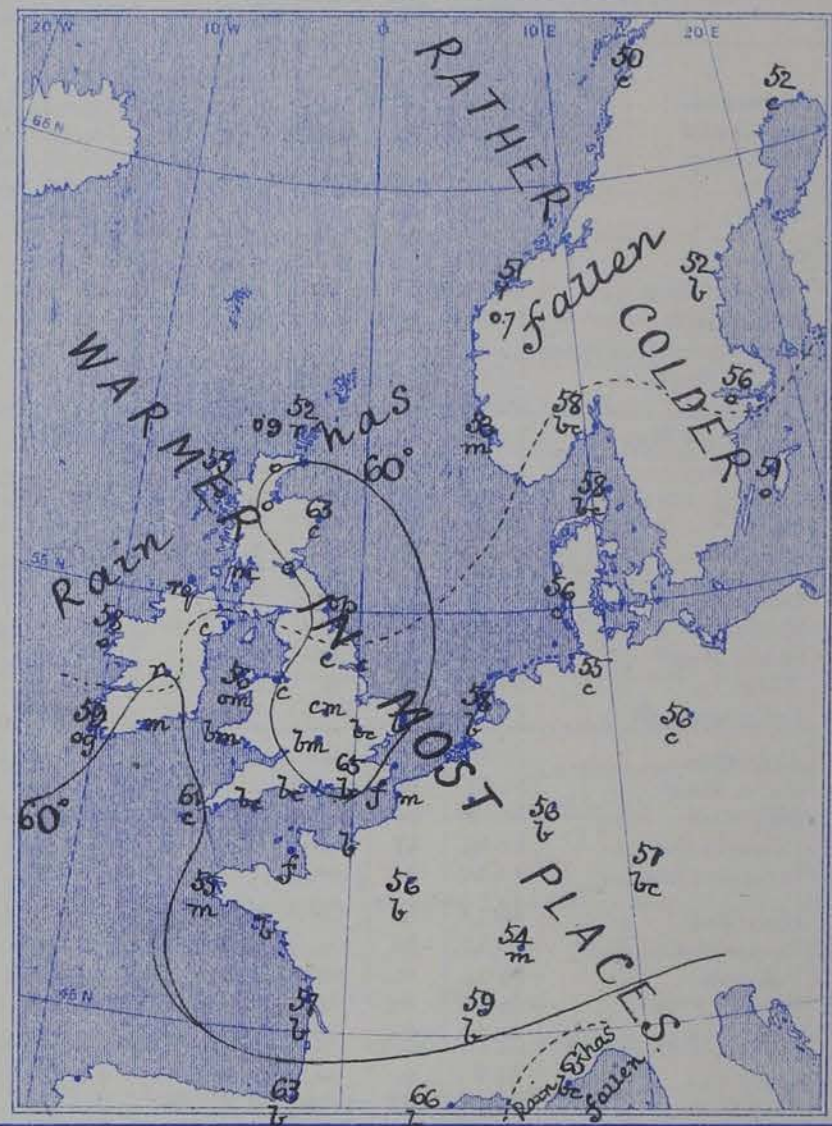


TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

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



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

STATIONS.	PRESSURE AT 8 A.M. Means. 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of				Absolute Extremes.				RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95.	
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum	Years.	Minimum.	Years.		Hours.	Per cent. of possible.
	(*Inches.*)	°	°	°	°	°		°		(*Inches.*)		
Sumburgh Head	29 · 898	50 · 5	48 · 7	54 · 6	45 · 0	70	1891	33	1888	1 · 93	—	—
Stornoway	29 · 894	53 · 4	51 · 4	58 · 2	46 · 0	76	1893	31	1888	2 · 76	185 · 1	35
Wick	29 · 916	53 · 4	50 · 8	58 · 9	45 · 5	79	1878	30	1881	1 · 75	—	—
Nairn	29 · 917	54 · 4	51 · 0	62 · 3	47 · 3	86	1876	30	1888	1 · 73	—	—
Aberdeen	29 · 933	54 · 8	50 · 8	61 · 0	47 · 2	80	1881, 87	30	1888	1 · 80	196 · 5	37
Leith	29 · 943	55 · 9	52 · 3	63 · 9	48 · 0	86	1887	34	1886	1 · 79	—	—
Shields	29 · 959	54 · 9	51 · 8	60 · 6	48 · 5	76	1878, 84	37	1881, 86, 95	1 · 71	—	—
Spurn Head	29 · 971	55 · 3	52 · 8	60 · 3	51 · 1	80*	1885	34*	1881	1 · 64	—	—
York	29 · 979	56 · 1	52 · 7	66 · 2	48 · 4	88	1878	35	1894	2 · 21	173 · 0	34
Loughborough	29 · 991	57 · 7	53 · 8	68 · 6	48 · 8	86*	1893	32*	1895	2 · 20	—	—
Ardrossan	29 · 944	55 · 3	52 · 3	62 · 1	49 · 4	85	1878	36	1890	2 · 32	—	—
Malin Head	29 · 934	53 · 6	51 · 2	59 · 0	50 · 8	—	—	—	—	—	—	—
Belmullet	29 · 953	56 · 2	53 · 2	60 · 8	51 · 4	—	—	—	—	2 · 85	—	—
Donaghadee	29 · 959	55 · 1	53 · 0	61 · 5	49 · 7	77	1887	36	1880	2 · 03	—	—
Holyhead	29 · 976	55 · 9	53 · 4	61 · 7	51 · 3	83	1878	42	1882	1 · 97	—	—
Liverpool	29 · 976	57 · 0	52 · 8	64 · 0	51 · 1	85	1878, 93	38	1872	1 · 99	—	—
Parsonstown	29 · 981	56 · 2	52 · 9	64 · 9	48 · 5	85	1887	32	1881	2 · 34	173 · 7	35
Valencia	29 · 984	57 · 4	54 · 5	62 · 5	51 · 2	81	1887	40	1875, 80, 82	3 · 34	203 · 4	41
Roche's Point	29 · 983	57 · 0	53 · 8	64 · 3	51 · 3	80	1876, 87	41	1881	3 · 07	—	—
Pembroke	29 · 983	55 · 4	53 · 4	60 · 5	51 · 6	79	1893	38	1888	1 · 88	234 · 7	48
Scilly	30 · 002	57 · 5	55 · 3	61 · 5	53 · 2	75	1893	41	1888	1 · 76	—	—
Prawle Point	30 · 010	57 · 1	54 · 7	61 · 7	50 · 7	79*	1887	39*	1881	1 · 59	—	—
Jersey	30 · 019	59 · 0	55 · 9	64 · 9	52 · 8	87	1872	39	1890	1 · 86	243 · 1	51
Hurst Castle	30 · 007	57 · 9	55 · 7	64 · 6	52 · 0	84	1893	38	1881	1 · 83	—	—
Dover	29 · 989	58 · 2	55 · 0	63 · 0	52 · 3	77	1878	37	1890, 91, 92, 93	1 · 52	—	—
LONDON	30 · 001	58 · 9	54 · 6	69 · 2	50 · 6	91	1878	35	1880	1 · 99	167 · 4½	34†
Oxford	29 · 996	56 · 8	53 · 3	67 · 1	49 · 9	86	1876, 93	35	1892, 93	2 · 11	192 · 1	39
Cambridge	29 · 994	58 · 1	54 · 7	68 · 8	48 · 4	88	1888, 93	33	1892	2 · 14	195 · 3	40
Yarmouth	29 · 983	56 · 8	54 · 0	61 · 9	51 · 0	81	1877, 88	40	1892	1 · 86	—	—

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

† The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·3 in: and upwards in the north of France; 30·2 in: and upwards in an anticyclone embracing nearly the whole of France and the southern parts of our Islands and Germany.
Lowest, 29·6 in: and less, in a depression lying off the north of Scotland.
Gradients moderate over the greater part of our Islands and the North Sea, but slight elsewhere.
Barometer falling at all but the French and German stations,—briskly in the extreme north.

TEMPERATURE

Highest, (1) 73° at Lisbon, 66° at Perpignan, and 65° at Nice; (2) 65° in London and at Cambridge, and 63° at Aberdeen, Liverpool, Yarmouth and the North Foreland.
Lowest, (1) 50° at Bodö, 51° at Christiansund, and 52° at Haparanda and Lumburgh Head; (2) 52° at Belfast and 55° at Cape Gris Nez.
During yesterday the thermometer rose to 70° and upwards in many parts of the United Kingdom and to 75° at Leith.

WIND

Light to moderate from the SW^{ly} or W^{ly} over our Islands, the Netherlands, Denmark and Germany, and from the S^{ly} or SE^{ly} in Norway.
Calm or light from the N^{ly} or NW^{ly} in France and also in Sweden.

WEATHER

Fine over the southern parts of England, as well as in France, Germany, Denmark, and the Netherlands.
Cloudy or dull, with rain at several of the Irish stations, as well as at Lumburgh Head and Christiansund, and passing showers at Shields.
Since yesterday morning rain has fallen at most of our northern stations,—heavily (0·9 inch) at Lumburgh Head.

SEA

Rather rough off the Shetlands, and moderate off the south of Ireland, but slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression in the north is inclined to spread southwards, and cloudy showery weather seems likely to set in shortly over nearly the whole kingdom.

FORECASTS

For the 24 hours ending at NOON on 19TH JUNE 1898

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	W^{ly} winds, freshening; cloudy, showery
1 SCOTLAND EAST	
2 ENGLAND N.E.	
3 ENGLAND EAST	SW^{ly} and W^{ly} winds, light or moderate; fine at first, then cloudy and showery.
4 MIDLAND COUNTIES	
5 ENGLAND SOUTH	
6 SCOTLAND WEST	SW^{ly} to W^{ly} winds, moderate or fresh; cloudy, showery.
7 ENGLAND N.W.	
8 ENGLAND S.W.	
9 IRELAND NORTH	
10 IRELAND SOUTH	
WARNINGS	NONE ISSUED.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	30·11	60	53	NNW	6	b	2
Sumburgh Head	30·01	54	54	W	3	c	3
Stornoway	30·04	57	55	WSW	2	c	4
Aberdeen	30·09	63	56	SE	2	bc	1
Shields	30·15	69	59	NNW	2	bm	2
Ardrossan	30·15	60	59	S	2	c	2
Malin Head ...	30·13	62	57	W	3	bc	1
Belmullet	30·19	64	59	WSW	4	c	*
Holyhead	30·25	61	57	SW	3	cf	2

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	30·28	64	59	SW	2	cm	3
Scilly	30·30	60	57	W	2	c	1
Jersey	30·32	62	57	WSW	2	b	2
Hurst Castle ...	30·29	64	60	SW	2	bm	1
Dungeness ...	30·28	57	54	S	2	c	1
North Foreland	30·30	56	52	E	2	bc	1
London (Westminster)	30·25	69	61	WSW	2	c	*
Yarmouth ...	30·23	57	54	SE	4	bc	4
Rochefort ...	30·23	66	54	WNW	4	b	*

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

Weather in morning fair or fine over the greater part of our Islands and the Continent, but foggy in the western parts of the English Channel and dull in the north of Scotland and the west of Norway, with rain at Sumburgh Head and Christiansund. Cloudy or dull over Germany and Central France, as well as at many of the Russian stations. Rain falling later in the northern parts of our Islands generally, heavily at Sumburgh Head and also at some of the Scandinavian stations.

Temperature risen in our Islands, changed very irregularly elsewhere. Morning readings highest 85° at Constantinople, 83° at Athens, and 78° at Brindisi; above 70° in many parts of southern Europe, and above 60° at some of the Irish and Scotch stations. Lowest, (1) 48° at Bodö and Christiansund, and 50° at Sumburgh Head: (2) 49° at Kiew, and 51° at Moscow and Kharkow: (3) 51° at Paris and Munich. Rising during day to 70° or a little above it in many parts of the United Kingdom and the west and south of France and to 75° at Lisbon; reaching 79° at Lisbon.

Wind light from the S.ward or SW.ward over the northern parts of our Islands and from the W.ward in the south of Ireland, but variable in the south of England, and N$^{\text{ly}}$ or NE$^{\text{ly}}$ over the greater part of France. W$^{\text{ly}}$ or SW$^{\text{ly}}$ in the west of Norway; NW$^{\text{ly}}$ over Russia, Denmark, Germany and the southern parts of Scandinavia. W$^{\text{ly}}$ or SW$^{\text{ly}}$ in Italy and Greece. SW$^{\text{ly}}$ breezes setting in later over the whole of the United Kingdom.

Barometer highest 30·2 ins: and upwards in an anticyclone lying over Ireland, England, the Netherlands, and the north and west of France. Lowest 29·6 ins: and less, in a depression over the north of Russia, 29·8 ins: and less, in a well marked system over the Gulf of Genoa. General fall of the barometer taking place over our Islands later, and new depression beginning to appear off the north of Scotland.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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DAILY WEATHER REPORT

for 8 a.m. on Sunday 19th June, 1898.

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

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb.	Temperature. Wet Bulb.	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max.	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
Scandinavia	Haparanda ...	29.68	51	ENE	2	c	29.67	·00	51	43	— 1	NE	4	c	*	c	*	61	48	—
	Hernösand ...	29.63	51	S	4	c	29.62	—·12	53	47	— 1	E	4	o	*	c	*	61	46	—
	Stockholm ...	29.63	55	SW	2	o	29.43	—·37	54	50	— 2	NE	5	c	*	o	*	63	46	012
	Wisby	29.66	53	SSW	4	r	29.30	—·52	51	50	o	W	4	r	*	r	*	55	48	063
	Karlstad ...	29.48	56	S	2	r	29.45	—·35	55	52	o	NNE	4	o	*	r	*	*	*	0·55
	Bodö	29.70	49	NE	4	b	29.65	— ·14	51	46	+ 1	N	4	b	1	b	*	51	46	—
	Christiansund ...	29.49	54	S	1	r	29.62	— ·10	53	51	+ 2	WSW	2	c	3	r	*	54	48	047
	Skudesnaes ...	29.58	51	WNW	6	r	29.78	— ·05	51	48	— 2	NW	6	r	3	rf	*	53	48	*
	Færder (Christiania Fjord)	29.45	52	WSW	5	b	29.48	— ·35	56	51	— 2	SW	4	b	3	b	*	59	54	0·16
	Skagen (The Scaw)	29.54	55	W	7	r	29.50	— ·40	57	54	— 1	NW	5	b	1	r	*	59	52	0·20
	Fano	29.76	55	WSW	6	o	29.74	— ·29	53	50	— 3	NW	7	o	*	o	*	61	53	0·04
British Isles	Sumburgh Head	29.65	50	WNW	4	o	29.81	+ ·27	46	45	— 6	WNW	3	r	5	o	*	53	45	0·04
	Stornoway ...	29.90	56	WNW	4	o	29.94	+ ·21	53	52	— 2	WNW	4	c	4	o	4·6	58	50	0·03
	Wick	29.81	55	NW	4	o	29.91	+ ·21	53	52	— 7	NW	6	o	1	o	*	61	49	0·11
	Nairn	29.84	61	W	4	c	29.95	+ ·22	57	52	— 4	W	3	c	1	c	*	66	51	—
	Aberdeen ...	29.84	67	NW	3	bc	29.94	+ ·19	56	51	— 7	WNW	3	o	1	bcq	7·7	69	54	—
	Leith	29.89	64	WSW	3	b	29.99	+ ·13	58	54	— 2	W	3	c	*	b	*	67	52	—
	Shields	29.93	63	WSW	3	c	30.03	+ ·05	58	54	— 2	WSW	3	c	2	p.o.c	*	67	53	0·01
	Spurn Head ...	29.98	60	W	3	c	30.05	— ·03	57	55	— 4	WNW	3	c	3	bp.c	*	68	55	0·07
	York	30.01	62	W	3	op	30.07	·00	58	50	— 2	W	1	o	*	op	0·5	65	52	0·05
	Loughborough ...	30.08	63	W	3	c	30.12	—·04	59	55	o	WNW	3	o	*	c.opq.c	*	73	56	0·02
	Ardrossan ...	29.97	61	W	4	bc	30.06	+ ·13	59	55	+ 3	W	4	c	3	o.bc	*	61	53	—
	Malin Head ...	30.04	56	W	5	oq	30.12	+ ·22	54	51	— 2	W	4	o	4	oq	*	64	53	—
	Belmullet ...	30.13	59	WNW	3	om	30.18	+ ·14	56	53	— 2	WSW	3	o	*	om	*	61	50	0·01
	Donaghadee ...	30.05	64	WNW	4	c	30.13	+ ·13	60	54	o	NW	4	c	2	c	*	70	53	0·01
	Liverpool (Bidston)	30.05	63	WSW	6	o	30.14	+ ·04	56	53	— 7	WNW	2	o	3	o	*	65	54	0·10
	Holyhead ...	30.10	57	SW	3	o	30.17	+ ·04	56	55	o	WNW	2	om	1	df.o	*	59	54	0·09
	Parsonstown ...	30.14	61	W	1	o	30.20	+ ·09	59	54	— 1	Z	0	c	*	or.	0·1	63	53	0·05
	Valencia ...	30.21	59	WSW	3	om	30.22	+ ·03	57	56	— 2	W	1	o	2	om	0·0	60	54	003
	Roche's Point ...	30.19	63	WSW	3	c	30.23	+ ·02	59	57	— 2	N	1	c	2	c	*	64	56	—
	Pembroke (St. Ann's Hd.)	30.18	57	WSW	5	m	30.18	—·04	55	55	— 2	NW	4	oq	4	m	1·3	59	54	—
	Scilly	30.27	61	WSW	4	c	30.24	—·04	59	58	— 2	W	4	of	3	c	12·5	66	56	0·01
	Prawle Point ...	30.25	59	SW	4	bc	30.22	—·05	60	59	+ 2	WSW	3	f	3	bc.f	*	61	54	—
	Jersey (St. Aubin's)	30.29	60	W	4	cm	30.26	—·05	58	57	+ 3	W	3	cm	3	bc.cm	*	62	55	—
	Hurst Castle ...	30.19	61	SW	4	cm	30.17	—·07	63	60	+ 3	WSW	4	cm	2	bcm.cm	*	63	58	—
	Dungeness ...	30.11	58	SW	4	c	30.11	—·10	60	59	+ 4	SW	3	c	2	bc.r	*	63	56	0·01
	North Foreland	30.10	67	SW	4	c	30.11	—·09	63	61	o	W	3	c	2	bc.c	*	74	58	0·10
	London (Brixton) ...	30.12	71	WSW	3	bc	30.13	—·08	67	60	+ 2	WSW	3	bc	*	bc.or	10·1	77	60	—
	Oxford	30.14	59	WSW	3	o	30.13	—·07	64	59	+ 3	WNW	2	b	*	c.o.r	*	71	57	—
	Cambridge ...	30.08	66	WSW	3	r	30.11	—·05	64	60	— 1	WNW	3	o	*	b.r	10·3	76	59	0·03
	Yarmouth ...	30.03	66	WNW	3	op	30.05	—·09	60	57	— 3	NW	3	c	3	b.op.	*	74	58	0·04
Germany & Holland.	Cuxhaven ...	29.94	59	SW	5	r	29.84	— ·28	56	53	+ 1	W	6	c	*	r	*	68	55	004
	Berlin	30.04	67	W	2	o	29.79	— ·33	60	58	+ 4	W	3	o	*	o	*	73	56	0·12
	Wiesbaden ...	*	*	*	*	*	30.06	—·19	61	58	+ 5	WSW	2	o	*	*	*	72	56	—
	Munich	30.22	61	SW	1	b	30.18	—·07	62	55	+ 5	W	6	c	*	b	*	68	52	—
	The Helder ...	30.00	58	WSW	3	r	29.97	—·15	58	55	o	WNW	2	b	2	r	*	63	57	0·08
Belgium.	Brussels ...	*	*	*	*	*	30.00	— ·15	59	58	+ 2	WSW	2	o	*	o	*	73	53	—
	Cape Gris Nez ...	?	57	WSW	5	m	?	?	58	56	+ 3	W	2	m	2	m	*	61	54	—
	Paris	30.22	71	WSW	1	bc	30.21	— ·09	59	56	+ 3	W	2	o	*	bc	*	74	52	—
	Brest	30.34	61	NW	1	o	?	?	58	54	+ 3	NW	2	o	1	o	*	66	52	—
	Lorient	30.30	65	W	4	bc	30.29	—·02	55	55	— 3	NW	2	o	2	bc	*	70	48	—
France &	Rochefort ...	30.28	66	NNW	4	b	30.27	—·01	62	59	+ 5	NW	2	b	*	b	*	73	57	—
	Belfort	30.17	65	W	2	m	30.20	—·03	58	52	+ 2	SSW	1	m	*	m	*	75	49	—
	Lyons	30.22	68	NNW	1	b	30.26	+ ·05	64	56	+ 5	NNW	1	b	*	b	*	73	54	—
	Nice	30.13	67	NW	2	b	30.11	+ ·03	68	59	+ 3	E	1	b	1	b	*	73	56	—
	Perpignan ...	30.20	73	NW	3	o	30.23	+ ·02	70	59	+ 4	NW	2	o	*	o	*	76	60	—
	Biarritz ...	30.24	66	NNW	3	b	30.26	+ ·04	64	62	+ 1	W	3	o	2	b	*	70	59	—
Penin-sula.	Corunna ...																*			
	Lisbon	30.06	76	NNW	5	b	30.10	—·01	71	59	— 2	NE	4	b	*	b	*	86	70	—
	Azores (P. Delgada)	30.26	66	NE	2	b	30.24	·00	66	62	— 2	ENE	3	b	2	b	*	73	63	—

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

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

Bright Sunshine yesterday Southport 0·2 hrs;

WEATHER CHARTS

FOR Sunday, 19th June, 1898

BAROMETER, WIND AND SEA.

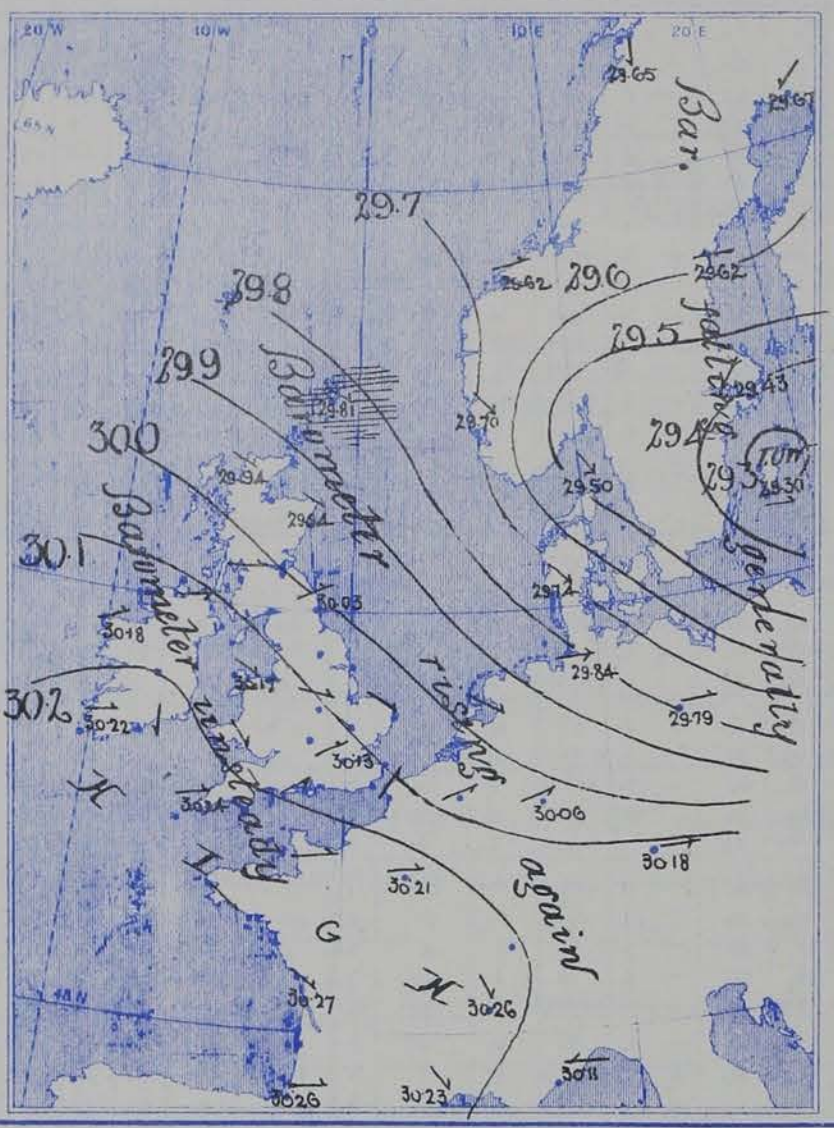
BAROMETER—Isobars are drawn for each tenth of an inch.

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

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

Force 8 to 10 ⟶ ; Force 1 to 4 ⟶ ; }

SEA—Rough ▤ ; High ▦

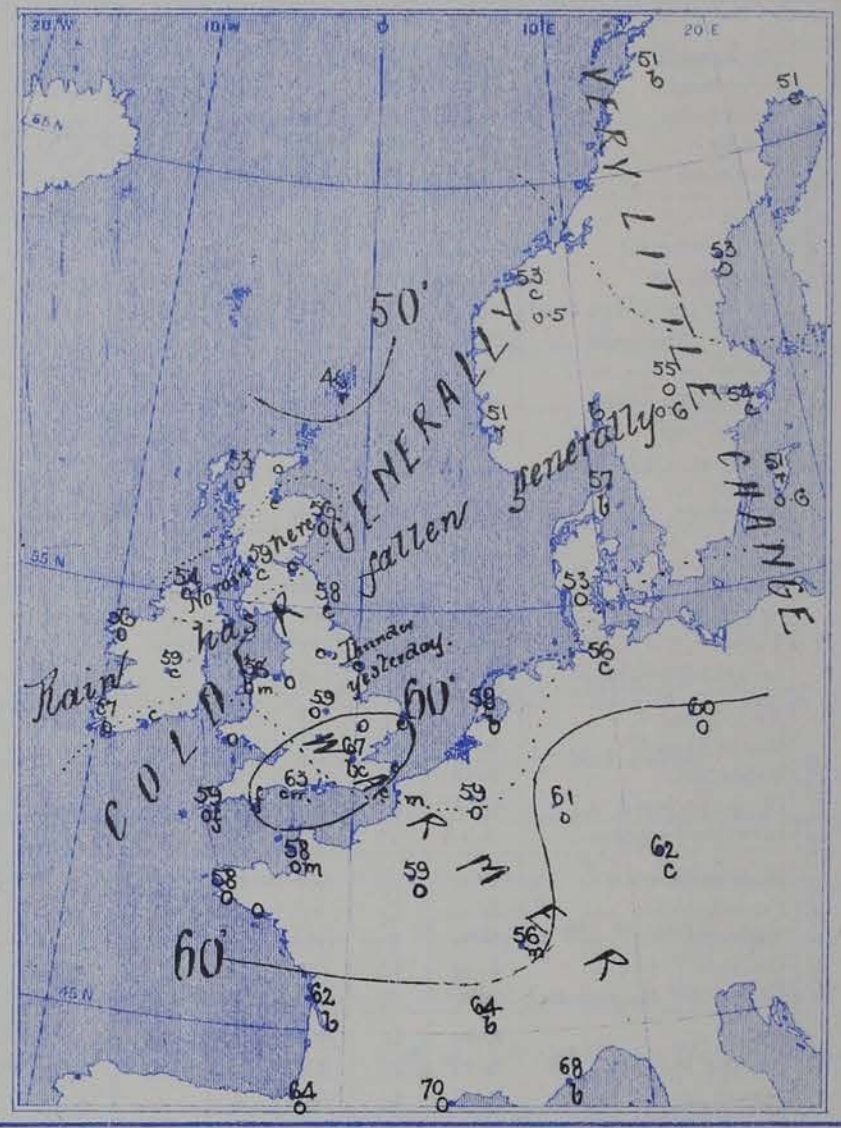


TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

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



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

STATIONS.	PRESSURE AT 8 A.M.	TEMPERATURE OF AIR. 1871-95.								RAINFALL.	BRIGHT SUNSHINE.	
		Means of				Absolute Extremes.				Means,	Means, 1881—95.	
	Means, 1871—95.	Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum	Years.	Minimum.	Years	1866—95.	Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29·898	50·5	48·7	54·6	45·0	70	1891	33	1888	1·93	—	—
Stornoway	29·894	53·4	51·4	58·2	46·0	76	1893	31	1888	2·76	185·1	35
Wick	29·916	53·4	50·8	58·9	45·5	79	1878	30	1881	1·75	—	—
Nairn	29·917	54·4	51·0	62·3	47·3	86	1876	30	1888	1·73	—	—
Aberdeen	29·933	54·8	50·8	61·0	47·2	80	1881, 87	30	1888	1·80	196·5	37
Leith	29·943	55·9	52·3	63·9	48·0	86	1887	34	1886	1·79	—	—
Shields	29·959	54·9	51·8	60·6	48·5	76	1878, 84	37	1881, 86, 95	1·71	—	—
Spurn Head	29·971	55·3	52·8	60·3	51·1	80*	1885	34*	1881	1·64	—	—
York	29·979	56·1	52·7	66·2	48·4	88	1878	35	1894	2·21	173·0	34
Loughborough	29·991	57·7	53·8	68·6	48·8	86*	1893	32*	1895	2·20	—	—
Ardrossan	29·944	55·3	52·3	62·1	49·4	85	1878	36	1890	2·32	—	—
Malin Head	29·934	53·6	51·2	59·0	50·8	—	—	—	—	—	—	—
Belmullet	29·953	56·2	53·2	60·8	51·4	—	—	—	—	2·85	—	—
Donaghadee	29·959	55·1	53·0	61·5	49·7	77	1887	36	1880	2·03	—	—
Holyhead	29·976	55·9	53·4	61·7	51·3	83	1878	42	1882	1·97	—	—
Liverpool	29·976	57·0	52·8	64·0	51·1	85	1878, 93	38	1872	1·99	—	—
Parsonstown	29·981	56·2	52·9	64·9	48·5	85	1887	32	1881	2·34	173·7	35
Valencia	29·984	57·4	54·5	62·5	51·2	81	1887	40	1875, 80, 82	3·34	203·4	41
Roche's Point	29·983	57·0	53·8	64·3	51·3	80	1876, 87	41	1881	3·07	—	—
Pembroke	29·983	55·4	53·4	60·5	51·6	79	1893	38	1888	1·88	234·7	48
Scilly	30·002	57·5	55·3	61·5	53·2	75	1893	41	1888	1·76	—	—
Prawle Point	30·010	57·1	54·7	61·7	50·7	79*	1887	39*	1881	1·59	—	—
Jersey	30·019	59·0	55·9	64·9	52·8	87	1872	39	1890	1·86	243·1	51
Hurst Castle	30·007	57·9	55·7	64·6	52·0	84	1893	38	1881	1·83	—	—
Dover	29·989	58·2	55·0	63·0	52·3	77	1878	37	1890, 91, 92, 93	1·52	—	—
LONDON	30·001	58·9	54·6	69·2	50·6	91	1878	35	1880	1·99	167·4†	34†
Oxford	29·996	56·8	53·3	67·1	49·9	86	1876, 93	35	1892, 93	2·11	192·1	39
Cambridge	29·994	58·1	54·7	68·8	48·4	88	1888, 93	33	1892	2·14	195·3	40
Yarmouth	29·983	56·8	54·0	61·9	51·0	81	1877, 88	40	1892	1·86	—	—

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

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·2 ins. and upwards, in an anticyclone lying over the Bay of Biscay, France, and the extreme southwest of our Islands
Lowest, 29·3 ins. and less, in an elongated and rather complex depression with its centre near Wick.
Gradients slight generally, but rather steep over Denmark, North Germany, and the south of Norway.
Barometer rising in most parts of our Islands and also in the west of Norway, but inclined to fall on our extreme western coasts, falling in the western parts of the Continent generally

TEMPERATURE

Highest, (1) 71° at Lisbon, 70° at Perpignan, and 68° at Nice; (2) 67° in London, and 64° at Oxford and Cambridge.
Lowest, 46° at Lerwick Head, 51° at Haparanda, Wick, Bodö, and Skudesnaes, and 53° at Hernösand, Faroe, Stornoway, and Wick.
During yesterday the thermometer rose to 70° and upwards in many parts of England, to 76° at Cambridge and to 77° in London.

WIND

W' or NW' over Western Europe as a whole, light or moderate in force generally, but strong at Wick and also on the eastern shores of the North Sea.
Variable in the west of Norway, NE' in Sweden, with a gale at Stockholm.

WEATHER

Cloudy or dull in most places, with fog in the western parts of the English Channel, and rain at Lerwick Hd., Skudesnaes, and Wick.
Fine at several of the southern French stations and also in the neighbourhood of the Skaw Rock.
Showers fell yesterday in many parts of the United Kingdom and its immediate neighbourhood, and larger quantities of rain at some of the Scandinavian stations. Thunder was heard at Spurn Head.

SEA

Slight or smooth generally, but rather rough at Lerwick Head.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

For the 24 hours ending at NOON on 20th June 1898

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

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29.65	51	51	SSW	6	rf	3
Sumburgh Head	29.56	52	51	WNW	4	o	5
Stornoway	29.84	58	54	WNW	5	o	5
Aberdeen	29.79	66	59	NW	5	bcq	2
Shields	29.93	67	61	SW	4	o	2
Ardrossan	29.93	61	59	W	4	o	3
Malin Head ...	29.99	56	56	W	6	o	4
Belmullet	30.09	59	58	W	3	o	*
Holyhead	30.10	57	56	SW	3	df	2

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	30.21	60	59	SW	5	om	5
Scilly	30.28	63	60	WSW	4	c	2
Jersey	30.32	62	58	WSW	4	bc	3
Hurst Castle ...	30.22	62	59	SW	3	bcm	3
Dungeness ...	30.17	61	59	SW	4	bc	3
North Foreland	30.14	72	65	S	3	bc	2
London (Westminster)	30.14	76	63	SW	2	bc	*
Yarmouth ...	30.04	73	61	WSW	4	b	3
Rochefort ...	30.37	69	61	NNW	3	bc	*

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

Weather in morning fine over the south of England and the greater part of the Continent. Cloudy or dull over Ireland the northern parts of Great Britain and the west of Norway, with rain in several places; dull also at some of the Russian and Austrian stations, with rain at Hermannstadt. Showers falling later in most parts of the United Kingdom, with thunder at Spurn Head. Larger quantities of rain occurring at some of the Scandinavian and Danish stations.

Temperature rises over Great Britain, France and the west of Norway, as well as in Austria and the south of Russia; falls in most other localities. Morning highest 78° at Athens, 77° at Patras, 76° at Oporto, and 73° at Lisbon; above 65° over southern Europe generally, and just reaching that point in London and at Cambridge. Lowest (1) 50° at Bodö and Archangel, and 51° at Christiansund; (2) 54° at Belfort, and 55° at Cape Gris Nez and Jersey. Rising during day to 70° and upwards in many parts of England, France and Germany, to 76° at Cambridge and Perpignan and to 77° in London; reaching 86° at Lisbon.

Wind light to moderate from the SW^{wd} or W^{wd} over our Islands, the Netherlands, Denmark, and North Germany, and from the S^{wd} or SE^{wd} in Norway. NW^{ly} over Russia, Austria, and the southern and eastern parts of Germany. Variable in France, NE^{ly} over the Spanish Peninsula and nothern Italy; W^{ly} or NW^{ly} over southern Italy. Subsequently veering to the NW^{wd} in the north of Scotland; no important change occurring elsewhere.

Barometer highest 30·3 ins: and upwards over the northern parts of France; 30·1 ins: and upwards in an anticyclone embracing the whole of Spain, France, Germany, and the southern half of the United Kingdom. Lowest 29·5 ins: and less (apparently) in a depression over the north of Russia; 29·6 ins: and less, in another disturbance off the north of Scotland. Depression off Scotch coasts subsequently advancing over Norway and barometer rising again in the north of our Islands. Anticyclone moving slowly southeastwards.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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DAILY WEATHER REPORT

for 8 a.m. on Monday, 20th June, 1898.

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

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)									PAST 24 HOURS.				
		Barom.	Temp.	Wind.		Weather	Barometer.		Temperature.			Wind.		Weather.	Sea (0 to 9.)	Weather.	Hours of Bright Sunshine.	Temp.		Rainfall.
		At 32° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)		At 32° Fahr. and M. S. L.	Change since Yesterday.	Dry Bulb.	Wet Bulb.	Change since Yesterday.	Direc.	Force (0 to 12.)					Max.	Min.	
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
Scandinavia	Haparanda ...	29.64	49	SW	0	c	29.61	-.06	53	47	+ 2	SW	2	bc	*	c	*	55	43	–
	Hernösand ...	29.67	51	SW	0	c	29.68	+.06	51	47	- 2	S	2	0	*	c	*	61	43	–
	Stockholm ...	29.57	52	NE	4	0	29.64	+.21	55	?	+ 1	W	4	c	*	0	*	59	45	–
	Wisby	29.55	49	NNE	4	bc	29.66	+.36	53	50	+ 2	N	3	c	*	bc	*	55	46	–
	Karlstad ...	29.59	57	W	2	0	29.65	+.20	51	49	- 4	NNE	2	0	*	0,r	*	*	*	0.20
	Bodö	29.68	50	N	2	b	29.66	+.01	49	44	- 2	NNE	2	0	8	b	*	52	43	-
	Christiansund ...	29.69	56	NE	2	b	29.75	+.13	52	48	- 1	NE	3	0	2	b	*	56	46	–
	Skudesnaes ...	29.77	51	NW	6	0	29.79	+.09	51	48	0	NW	4	bc	2	r.0	*	52	48	*
	Færder (Christiania Fjord)	29.58	58	W	2	0	29.67	+.19	53	49	- 3	NNE	5	c	2	0	*	61	52	0.12
	Skagen (The Scaw)	29.59	58	NW	2	bc	29.66	+.16	58	55	+ 1	NNE	2	0	0	bc	*	63	54	–
	Fanö	29.82	52	WNW	7	c	29.84	+.10	53	50	0	?WNW	6	c	*	c	*	57	52	–
	Sumburgh Head	29.83	49	W	2	0	29.80	-.01	51	50	+ 5	W	1	c	3	0	*	52	45	0.02
	Stornoway ...	29.94	55	W	3	0	29.72	-.22	51	51	- 2	SE	4	r	4	0	1.0	57	49	0.05
	Wick	29.93	52	NW	6	0	29.81	-.10	52	50	- 1	S	2	r	2	0	*	58	45	0.05
	Nairn	29.95	57	WNW	2	c	?29.78	-.17	54	52	- 3	E	1	r	1	c	*	66	47	0.04
	Aberdeen ...	29.95	56	ESE	1	0g	29.81	-.13	54	51	- 2	S	3	0gp	2	0g,r	1.7	66	50	0.02
British Islands	Leith	29.98	62	W	3	c	29.82	-.12	55	55	- 3	SW	0	r	*	c	*	66	50	0.18
	Shields	30.01	64	WSW	3	c	29.85	-.18	61	61	+ 3	E	1	rm	2	c	*	66	56	0.34
	Spurn Head ...	30.03	61	WNW	4	c	29.91	-.14	62	60	+ 5	WSW	4	b	3	c.p	*	67	55	0.01
	York	30.06	63	W	3	bc	29.90	-.17	64	61	+ 6	W	3	bc	*	0,bc	5.6	68	54	*
	Loughborough ...	30.10	67	WNW	2	bc	30.00	-.12	63	60	+ 4	WSW	3	c	*	c.bc,c,0	*	70	52	–
	Ardrossan ...	30.03	56	WNW	3	0	29.82	-.24	58	57	- 1	WSW	3	0p	3	0	*	61	52	0.30
	Malin Head ...	30.05	54	W	4	0p	29.84	-.28	55	55	+ 1	W	6	0gm	5	0.0p	*	56	54	0.27
	Belmullet ...	30.04	59	WSW	3	0	29.96	-.22	57	57	+ 1	W	3	0	*	0	*	61	52	0.02
	Donaghadee ...	30.07	55	SSE	3	c	29.91	-.22	62	60	+ 2	W	3	c	1	c	*	66	52	0.02
	Liverpool (Bidston)	30.12	62	W	2	bc	29.96	-.18	63	60	+ 7	WSW	4	c	4	bc	*	63	56	–
	Holyhead ...	30.13	57	SW	3	c	29.99	-.18	57	56	+ 1	SW	3	0m	2	c	*	64	53	–
	Parsonstown ...	30.10	67	W	1	c	30.05	-.15	61	60	+ 2	W	2	0	*	c	11.3	70	59	–
	Valencia ...	30.17	60	SW	3	f	30.06	-.16	62	61	+ 5	SW	3	0g	4	0f	0.6	63	56	–
	Roche's Point ...	30.16	62	SW	3	bc	30.08	-.15	62	60	+ 3	SW	3	c	3	bc	*	64	57	–
	Pembroke (St. Ann's Hd.)	30.12	57	W	4	0	30.08	-.10	57	56	+ 2	W	4	f	4	c.0.f	7.5	62	55	0.01
	Scilly	30.23	50	W	2	f	30.15	-.09	59	58	0	WSW	3	0f	3	f	0.0	63	56	0.01
	Prawle Point ...	30.20	59	WSW	4	bc	30.15	-.07	58	57	- 2	WSW	3	0	2	c.rf	*	64	55	0.03
	Jersey (St. Aubin's)	30.24	60	W	4	c	30.20	-.06	59	58	+ 1	WSW	3	0apf	3	0.f	*	61	55	0.02
	Hurst Castle ...	30.13	60	WNW	3	c	30.12	-.05	59	58	- 4	SW	4	0m	2	c	*	70	55	–
	Dungeness ...	30.07	60	SW	4	c	30.07	-.04	59	57	- 1	SW	4	bc	3	0.c	*	65	53	–
	North Foreland	30.10	64	SE	1	c	30.06	-.05	65	58	+ 2	SW	2	b	1	bc.c	*	69	54	–
	London (Brixton) ...	30.09	71	W	2	bc	30.08	-.05	68	60	- 4	W	2	0	*	c,b	3.6	74	54	–
	Oxford	30.11	62	NW	3	b	30.07	-.06	61	58	- 3	WSW	2	0g	*	b	*	73	53	–
	Cambridge ...	30.08	70	NW	2	b	30.04	-.07	61	59	- 3	SW	3	0	*	b	9.4	71	50	–
	Yarmouth ...	30.07	61	ENE	2	b	29.99	-.06	62	58	+ 2	WSW	4	bc	3	b	*	63	53	–
Germany & Holland	Cuxhaven ...	29.91	56	W	7	0	29.91	+.07	56	53	0	W	6	0	*	0	*	59	54	–
	Berlin	29.84	58	WNW	4	0	29.87	+.08	55	51	- 5	W	4	0	*	0	*	68	53	–
	Wiesbaden ...	*	*	*	*	*	30.04	+.03	61	55	0	NW	1	0	*	*	*	68	58	–
	Munich	30.14	56	W	6	r	30.15	-.03	58	56	- 4	NW	6	0	*	r	*	68	56	0.24
	The Helder ...	30.03	56	WNW	2	c	29.97	.00	58	55	0	W	1	0	1	c	*	59	54	–
Belgium. France &	Brussels ...	*	*	*	*	*	30.08	-.02	57	56	- 2	WSW	1	m	*	0	*	69	53	–
	Cape Gris Nez ...	?	58	WSW	1	m	?	?	57	56	- 1	WSW	2	b	1	m	*	64	52	–
	Paris	30.19	67	WSW	2	c	30.16	-.05	58	58	- 1	W	2	0	*	c	*	73	54	–
	Brest																*			
	Loriant	30.26	61	NW	4	c	30.23	-.06	59	59	+ 4	WNW	1	m	3	c	*	70	55	–
	Rochefort ...	30.25	67	NW	4	b	30.20	-.07	59	59	- 3	W	2	m	*	b	*	73	57	–
	Belfort														*		*			
	Lyons	30.18	71	N	1	c	30.15	-.11	69	61	+ 5	N	1	bc	*	c	*	76	60	–
	Nice	30.06	68	E	0	bc	30.02	-.09	64	61	- 4	SW	1	bc	2	bc	*	75	59	–
	Perpignan ...	30.16	76	W	3	b	30.16	-.07	73	62	+ 3	W	3	b	*	b	*	?	62	–
	Biarritz ...	30.22	69	N	3	b	30.17	-.09	64	60	0	SSW	2	b	2	b	*	70	59	–
Peninsula.	Corunna ...																*			
	Lisbon	30.00	78	N	5	b	30.02	-.08	72	62	+ 1	NNE	4	b	*	b	*	86	64	–
	Azores (P. Delgada)	30.19	66	NE	3	b	30.10	-.14	67	63	+ 1	NE	4	b	3	b	*	72	63	–

For Explanation of Columns, see bottom of last page.

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

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

Bright Sunshine yesterday Southport 5.2 *hrs;*

WEATHER CHARTS

FOR Monday, 20th June, 1898

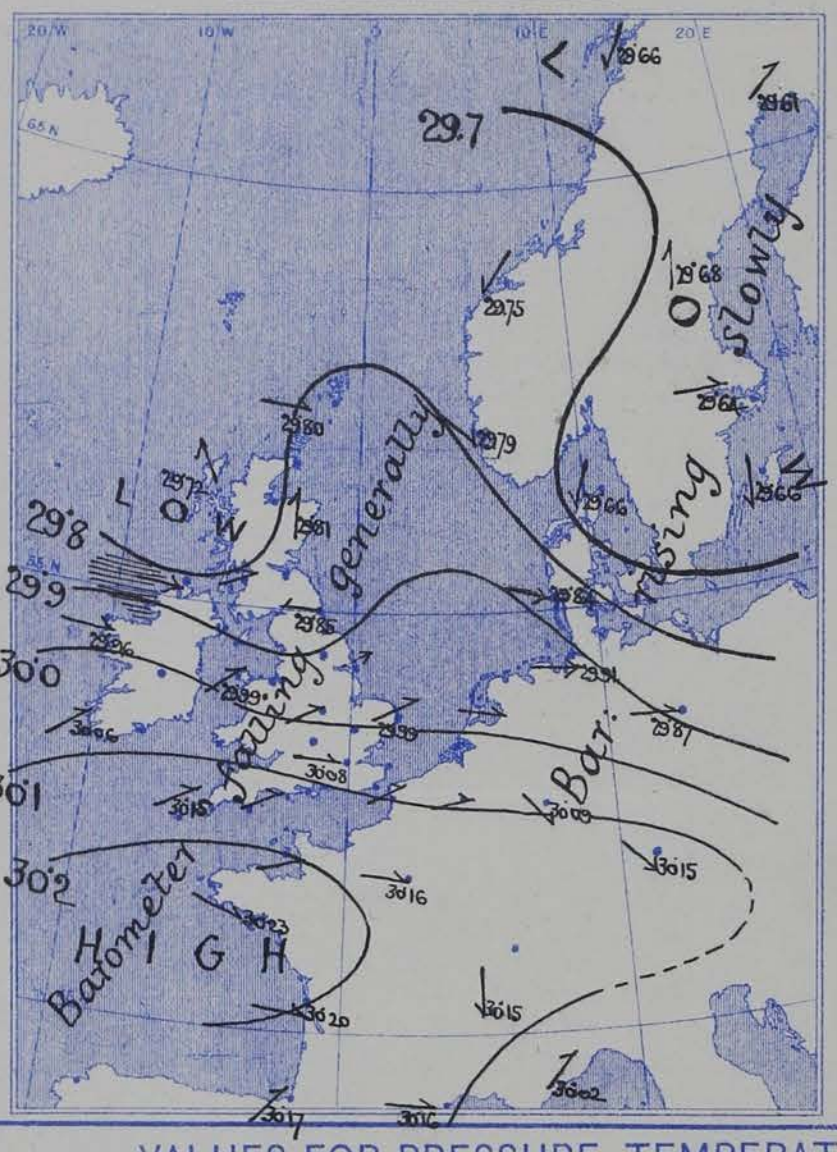
BAROMETER, WIND AND SEA.

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

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

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

SEA—Rough ▤ ; High ▦

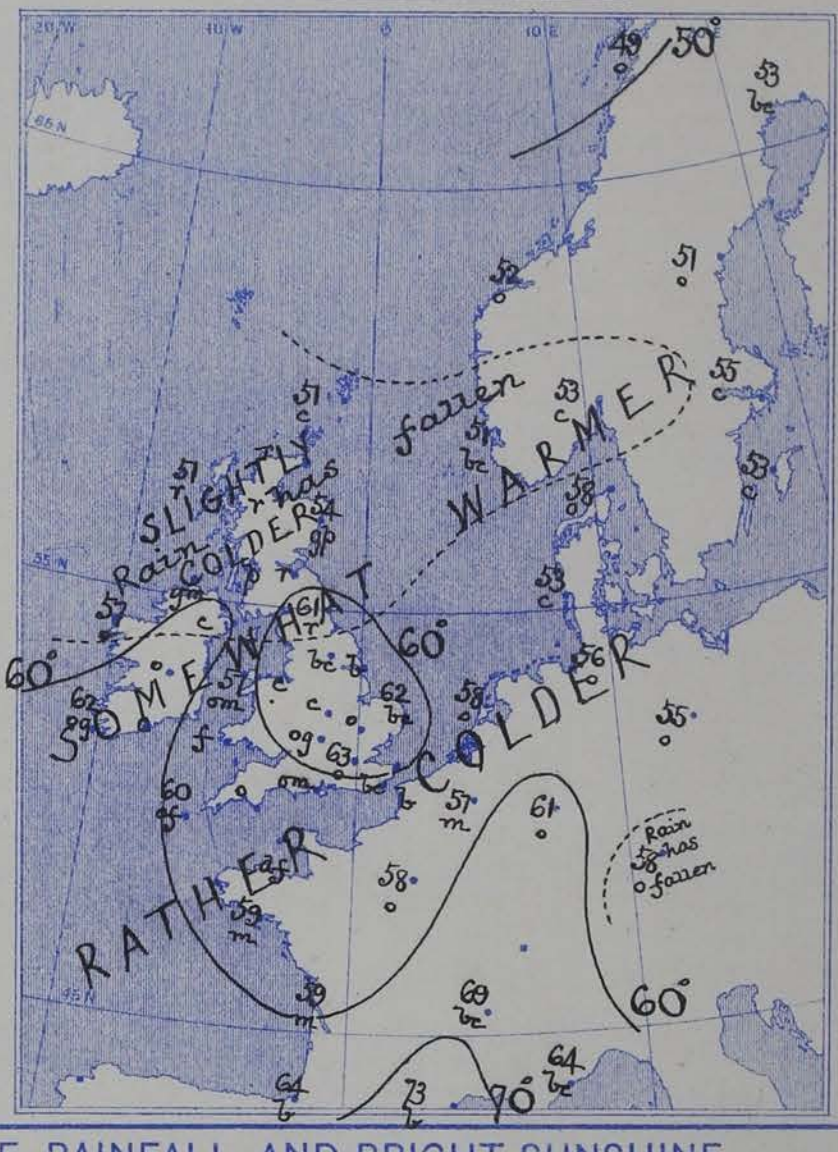


TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

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



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

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of				Absolute Extremes.				RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95.	
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum	Years.	Minimum.	Years		Hours.	Per cent. of possible.
	(*Inches.*)	°	°	°	°	°		°		(*Inches.*)		
Sumburgh Head	29 · 898	50 · 5	48 · 7	54 · 6	45 · 0	70	1891	33	1888	1 · 93	—	—
Stornoway	29 · 894	53 · 4	51 · 4	58 · 2	46 · 0	76	1893	31	1888	2 · 76	185 · 1	35
Wick	29 · 916	53 · 4	50 · 8	58 · 9	45 · 5	79	1878	30	1881	1 · 75	—	—
Nairn	29 · 917	54 · 4	51 · 0	62 · 3	47 · 3	86	1876	30	1888	1 · 73	—	—
Aberdeen	29 · 933	54 · 8	50 · 8	61 · 0	47 · 2	80	1881, 87	30	1888	1 · 80	196 · 5	37
Leith	29 · 943	55 · 9	52 · 3	63 · 9	48 · 0	86	1887	34	1886	1 · 79	—	—
Shields	29 · 959	54 · 9	51 · 8	60 · 6	48 · 5	76	1878, 84	37	1881, 86, 95	1 · 71	—	—
Spurn Head	29 · 971	55 · 3	52 · 8	60 · 3	51 · 1	80*	1885	34*	1881	1 · 64	—	—
York	29 · 979	56 · 1	52 · 7	66 · 2	48 · 4	88	1878	35	1894	2 · 21	173 · 0	34
Loughborough	29 · 991	57 · 7	53 · 8	68 · 6	48 · 8	86*	1893	32*	1895	2 · 20	—	—
Ardrossan	29 · 944	55 · 3	52 · 3	62 · 1	49 · 4	85	1878	36	1890	2 · 32	—	—
Malin Head	29 · 934	53 · 6	51 · 2	59 · 0	50 · 8	—	—	—	—	—	—	—
Belmullet	29 · 953	56 · 2	53 · 2	60 · 8	51 · 4	—	—	—	—	2 · 85	—	—
Donaghadee	29 · 959	55 · 1	53 · 0	61 · 5	49 · 7	77	1887	36	1880	2 · 03	—	—
Holyhead	29 · 976	55 · 9	53 · 4	61 · 7	51 · 3	83	1878	42	1882	1 · 97	—	—
Liverpool	29 · 976	57 · 0	52 · 8	64 · 0	51 · 1	85	1878, 93	38	1872	1 · 99	—	—
Parsonstown	29 · 981	56 · 2	52 · 9	64 · 9	48 · 5	85	1887	32	1881	2 · 34	173 · 7	35
Valencia	29 · 984	57 · 4	54 · 5	62 · 5	51 · 2	81	1887	40	1875, 80, 82	3 · 34	203 · 4	41
Roche's Point	29 · 983	57 · 0	53 · 8	64 · 3	51 · 3	80	1876, 87	41	1881	3 · 07	—	—
Pembroke	29 · 983	55 · 4	53 · 4	60 · 5	51 · 6	79	1893	38	1888	1 · 88	234 · 7	48
Scilly	30 · 002	57 · 5	55 · 3	61 · 5	53 · 2	75	1893	41	1888	1 · 76	—	—
Prawle Point	30 · 010	57 · 1	54 · 7	61 · 7	50 · 7	79*	1887	39*	1881	1 · 59	—	—
Jersey	30 · 019	59 · 0	55 · 9	64 · 9	52 · 8	87	1872	39	1890	1 · 86	243 · 1	51
Hurst Castle	30 · 007	57 · 9	55 · 7	64 · 6	52 · 0	84	1893	38	1881	1 · 83	—	—
Dover	29 · 989	58 · 2	55 · 0	63 · 0	52 · 3	77	1878	37	1890, 91, 92, 93	1 · 52	—	—
LONDON	30 · 001	58 · 9	54 · 6	69 · 2	50 · 6	91	1878	35	1880	1 · 99	167 · 4†	34†
Oxford	29 · 996	56 · 8	53 · 3	67 · 1	49 · 9	86	1876, 93	35	1892, 93	2 · 11	192 · 1	39
Cambridge	29 · 994	58 · 1	54 · 7	68 · 8	48 · 4	88	1888, 93	33	1892	2 · 14	195 · 3	40
Yarmouth	29 · 983	56 · 8	54 · 0	61 · 9	51 · 0	81	1877, 88	40	1892	1 · 86	—	—

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

† The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·2 ins: and upwards, in the northwest of France; 30·1 ins: and upwards, in an anticyclone covering nearly the whole of France, South Germany, and the southwest of England.
Lowest, 29·7 ins: and less, in Sweden and also in a depression lying over the north of Scotland.
Gradients slight. Barometer falling in our Islands, France, and the Netherlands, but rising in Scandinavia, Denmark and Germany.

TEMPERATURE

Highest, (1) 73° at Lerpignan, 72° at Lisbon, 69° at Lyons; (2) 65° at the North Foreland, 64° at York, and 63° at Loughborough, Liverpool, and in London.
Lowest, 49° at Bodö, 51° at Hernösand, Karlstad, Skudenaes, Sumburgh Head, and Stornoway, and 52° at Wick.
During yesterday the thermometer rose to 70° and upwards at several of the English stations and to 74° in London.

WIND

Light to moderate from the W.ly or SW.ly over Ireland, England, the Netherlands, and the greater part of France, and from the S.ly or SW.ly in the north of Scotland.
Light from the NE.ly in the west of Norway, moderate to strong from the W.ly or NW.ly in Denmark and Germany.

WEATHER

Cloudy or dull over Western Europe as a whole, with fog at the mouths of the English and Bristol Channels, and rain in Scotland and the extreme north of England.
Fine over the east and southeast of England and also in the south of France.
Since yesterday morning rain has fallen over the northern parts of our Islands generally, but the amount has been mostly slight.
A solar halo was seen at Jersey yesterday.

SEA

Moderate to smooth generally, but rather rough at Malin Head

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression off the west of Scotland is likely to move eastwards, and at the same time to spread out in a southerly direction. Cloudy showery weather is therefore probable over England, with thunder in places.

FORECASTS

For the 24 hours ending at NOON on 21st JUNE, 1898

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	S.ly and SE.ly to Variable or N.ly breezes; dull and rainy at first, some improvement later.
1	SCOTLAND EAST	
2	ENGLAND N.E.	SW.ly to W.ly winds, moderate; unsettled, some rain, thunder locally.
3	ENGLAND EAST	SW.ly to W.ly winds, moderate; cloudy, some showers, thunder locally.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	W.ly to NW.ly winds, fresh; cloudy showery.
7	ENGLAND N.W.	
8	ENGLAND S.W.	SW.ly to W.ly winds, fresh; cloudy showery.
9	IRELAND NORTH	Same as Nos 6 and 7.
10	IRELAND SOUTH	Same as No 8.
	WARNINGS	NONE ISSUED.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29.76	51	50	NW	6	Tf	4
Sumburgh Head							
Stornoway	29.96	57	52	WNW	3	0	3
Aberdeen							
Shields							
Ardrossan							
Malin Head ...	30.10	55	54	W	3	0	3
Belmullet	30.13	60	55	SW	2	0	*
Holyhead							
Valencia							
Scilly							
Jersey	30.26	60	59	N	4	0	3
Hurst Castle ...							
Dungeness ...	30.10	61	60	SW	4	0	3
North Foreland	30.13	65	61	NW	2	bc	1
London (Westminster)							*
Yarmouth ...							
Rochefort ...	30.29	73	67	N	3	bc	*

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

Continental Information not received.

SUMMARY OF CHANGES IN THE WEATHER OVER EUROPE FROM THE 12TH TO THE 18TH JUNE 1898.

During the greater part of this week the northwestern countries were under the influence of an anticyclone, the central portion of which lay at first over the northern, and afterwards over the western parts of our Islands. The prevailing winds were therefore from the N^W or NE^W and the weather fair and dry, but over Great Britain the sky, for the first three days was almost continuously overcast and temperature very low for the time of year. Later on, when the sky gradually cleared, the thermometer rose steadily, but it was not until the 17th that it regained its normal height for the time of year.

Over the eastern parts of the Continent the weather was affected by a depression of inconsiderable depth which moved eastwards from Sweden across western and central Russia. In these countries the weather during the early part of the week was therefore cloudy and unsettled, and on the 14th the northerly wind in the rear of the disturbance increased to a gale at some of the Baltic stations. Over Southern Europe the weather was at first fine and dry, but was afterwards influenced by a complex depression which advanced from the southern parts of the Mediterranean, and which occasioned heavy falls of rain over northern Italy, and the southern parts of France and Germany with thunderstorms in several places.

Towards the close of the week the anticyclone over our Islands began to move away to the southward, while a large depression appeared off the north of Scotland, and spread gradually over the greater part of the Kingdom. SW^ly and W^ly winds therefore set in over northwestern Europe generally, with cloudy, showery weather in all the more northern districts, but with fine warm weather in the south of England. The depression over Russia had by this time passed away to the eastward, while the Mediterranean disturbances were filling up, so that in the Eastern and southern countries the weather was inclined to improve.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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DAILY WEATHER REPORT

for 8 a.m. on Tuesday 21st June, 1898.

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

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)									PAST 24 HOURS.				
		Barom.	Temp.	Wind.			Barometer.		Temperature.			Wind.						Temp.		
		At 32° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)	Weather	At 32° Fahr. and M. S. L.	Change since Yesterday.	Dry Bulb.	Wet Bulb.	Change since Yesterday.	Direc.	Force (0 to 12.)	Weather.	Sea (0 to 9.)	Weather.	Hours of Bright Sunshine.	Max.	Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
Scandinavia.	Haparanda ...	29.60	51	2	0	bc	29.68	+ .07	54	45	+ 1	N	2	bc	*	bc	*	55	46	—
	Hernösand ...	29.68	57	W	2	b	29.75	+ .07	57	47	+ 6	W	2	b	*	b	*	59	45	0.04
	Stockholm ...	29.73	51	2	0	b	29.81	+ .17	58	51	+ 3	W	2	b	*	b	*	58	46	—
	Wisby	29.74	53	SSE	4	r	29.86	+ .20	51	49	— 2	N	4	b	*	r	*	59	43	—
	Karlstad ...	29.76	56	NNE	1	b	29.80	+ .15	56	52	+ 5	S	2	b	*	b	*	*	*	—
	Bodö	29.78	47	N	2	o	29.79	+ .13	48	43	— 1	N	2	bc	1	o	*	52	37	—
	Christiansund ...	29.60	55	NE	1	b	29.69	— .06	55	50	+ 3	NE	2	o	2	b	*	55	46	—
	Skudesnaes ...	29.82	53	NW	2	bc	29.74	— .05	50	49	— 1	S	6	r	8	c, bc	*	55	48	*
	Farder (Christiania Fjord)	29.75	61	W	2	c	29.74	+ .07	58	55	+ 5	S	4	o	2	c	*	61	52	—
	Skagen (The Scaw)	29.79	56	WSW	1	b	29.81	+ .15	54	51	— 4	SSW	3	o	0	b	*	66	50	—
	Fanö	29.89	52	W	2	c	29.84	.00	56	55	+ 3	SW	2	r	*	c	*	63	52	—
British Islands.	Sumburgh Head	29.68	50	SSE	2	o	29.71	— .23	51	49	0	W	4	b	4	c, o	*	56	45	0.09
	Stornoway ...	29.67	56	W	4	o	29.66	— .06	53	52	+ 2	SW	4	o	4	c, o	0.0	58	49	0.03
	Wick	29.69	56	SW	3	bc	? 29.66	— .15	56	54	+ 4	NW	3	bc	2	bc	*	61	50	0.02
	Nairn	29.70	60	W	3	c	29.71	— .07	58	54	+ 4	W	1	c	1	c	*	67	48	0.02
	Aberdeen ...	29.71	62	S	2	og	29.74	— .07	60	52	+ 6	W	1	c	1	o. og. p	0.0	64	49	0.02
	Leith	29.80	58	W	3	o	29.78	— .04	60	56	+ 5	WSW	3	cw	*	o	*	63	54	0.02
	Shields	29.85	66	SW	3	c	29.82	— .03	59	56	— 2	SW	3	c	2	p. c. r	*	69	52	0.08
	Spurn Head ...	29.90	65	W	4	b	29.86	— .05	61	60	— 1	WSW	3	o	3	b	*	67	60	—
	York	29.91	67	W	3	bc	29.86	— .04	62	59	— 2	W	1	o	*	c, o, bc	5.0	70	58	—
	Loughborough ...	29.96	73	WSW	3	c	29.90	— .10	65	61	+ 2	SW	3	o	*	c, bc, c, o	*	74	61	—
	Ardrossan ...	29.86	56	WNW	2	r	29.79	— .03	55	55	— 3	SW	3	o dpw	2	o, r	*	59	54	0.22
	Malin Head ...	29.89	54	W	4	op	29.78	— .06	55	53	0	W	4	c	3	o. p	*	55	53	0.11
	Belmullet ...	29.91	56	WNW	1	ow	29.81	— .15	57	54	0	WSW	3	c	*	ow	*	58	? 51	0.12
	Donaghadee ...	29.87	59	NNW	2	a	29.84	— .07	60	58	— 2	W	3	bc	1	a, r	*	69	52	0.56
	Liverpool (Bidston)	29.92	66	WSW	4	c	29.88	— .08	58	57	— 5	WSW	2	r	2	c	*	70	57	0.12
	Holyhead ...	29.94	58	SW	4	cmw	29.89	— .10	57	56	0	SW	1	dw	1	c, cmw	*	66	54	0.07
	Parsonstown ...	29.92	60	W	3	r	29.87	— .15	58	54	— 3	W	1	bc	*	o. r	0.1	68	55	0.05
	Valencia ...	29.99	60	SW	3	ow	29.91	— .15	57	54	— 5	WSW	3	c	3	o. ow	0.0	64	54	—
	Roche's Point ...	30.03	62	WSW	3	c	29.89	— .19	57	55	— 5	SW	2	rw	3	c	*	64	55	0.20
	Pembroke (St. Ann's Hd.)	30.05	57	WSW	4	o	29.91	— .17	57	56	0	SW	4	f	4	o. f	0.0	59	56	0.03
	Scilly	30.10	62	SW	4	w	29.96	— .19	60	59	+ 1	SSW	3	ow	3	o, w	0.6	66	57	—
	Prawle Point ...	30.11	57	WSW	3	f	30.00	— .15	57	57	— 1	WSW	3	fd	3	f, fd	*	61	56	0.01
	Jersey (St. Aubin's)	30.15	60	W	3	cw	30.05	— .15	59	58	0	ESE	2	of	2	ow, cw, f	*	63	53	—
	Hurst Castle ...	30.08	60	WSW	3	o	30.00	— .12	58	58	— 1	SW	3	ow	2	ow	*	63	57	—
	Dungeness ...	30.01	58	SW	5	c	29.97	— .10	58	57	— 1	SW	4	f	2	c	*	61	55	—
Germany & Holland.	North Foreland	30.03	66	SW	3	o	29.97	— .09	67	64	+ 2	SW	3	bc	2	bc, o	*	71	57	—
	London (Brixton) ...	30.02	71	W	2	c	29.97	— .11	66	63	+ 3	WSW	2	o	*	c. b	1.5	76	61	—
	Oxford	30.02	64	SW	2	b	29.94	— .13	64	61	+ 3	SW	2	og	*	o. b	*	72	59	—
	Cambridge ...	29.99	70	WSW	2	o	29.93	— .11	64	62	+ 3	SW	3	o	*	c, o	4.3	73	55	—
	Yarmouth ...	29.95	72	W	2	bc	29.92	— .07	65	62	+ 3	W	2	bc	2	bc	*	73	59	—
	Cuxhaven ...	29.92	57	W	3	o	29.90	— .01	60	59	+ 4	SW	2	o	*	o	*	61	55	—
	Berlin	29.84	59	W	2	o	29.95	+ .08	59	56	+ 4	W	1	o	*	o	*	64	55	—
	Wiesbaden ...	*	*	*	*	*	30.05	— .04	65	62	+ 4	W	1	o	*	*	*	73	56	—
	Munich	30.15	62	SW	2	o	30.15	.00	64	60	+ 6	W	2	c	*	o	*	68	56	—
	The Helder ...	29.94	58	WSW	2	o	29.91	— .06	61	59	+ 3	SW	1	bc	1	o	*	61	57	—
France & Belgium.	Brussels ...	*	*	*	*	*	30.02	— .06	61	60	+ 4	SW	1	o	*	o	*	73	56	—
	Cape Gris Nez ...	?	57	WSW	4	w	?	?	56	55	— 1	W	3	f	3	w	*	59	54	—
	Paris	30.11	72	WNW	2	bc	30.07	— .04	65	61	+ 7	2	o	o	*	bc	*	75	57	—
	Brest	?	59	SW	1	w	30.06		57	57		2	o	o	0	w	*	63	55	—
	Lorient	30.16	66	W	3	bc	30.05	— .18	59	59	0	E	1	w	2	bc	*	70	55	—
	Rochefort ...	30.14	66	NW	3	b	30.07	— .13	64	62	+ 5	E	2	b	*	b	*	73	55	—
	Belfort	30.12	69	W	2	b	30.06		65	60		E	1	bc	*	b	*	74	55	—
	Lyons	30.08	75	N	1	b	30.05	— .10	69	62	0	ENE	1	b	*	b	*	78	58	—
	Nice	30.02	64	S	2	c	30.06	+ .04	64	55	0	E	1	c	2	c	*	75	61	—
	Perpignan ...	30.06	83	N	2	b	30.06	— .10	73	66	0	NW	1	b	*	b	*	89	62	—
	Biarritz ...	30.03	70	N	3	b	29.97	— .20	67	63	+ 3	2	o	b	2	b	*	72	61	—
Peninsula.	Corunna ...																*			
	Lisbon	29.95	78	NNW	2	b	29.99	— .03	73	62	+ 1	SSW	3	b	*	b	*	91	68	—
	Azores (P. Delgada)	30.11	67	NNE	4	b	30.10	.00	70	60	+ 3	2	o	b	2	b	*	77	63	—

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

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

Bright Sunshine yesterday Southport 3.5 hrs;

WEATHER CHARTS

FOR Tuesday. 21st June 1898

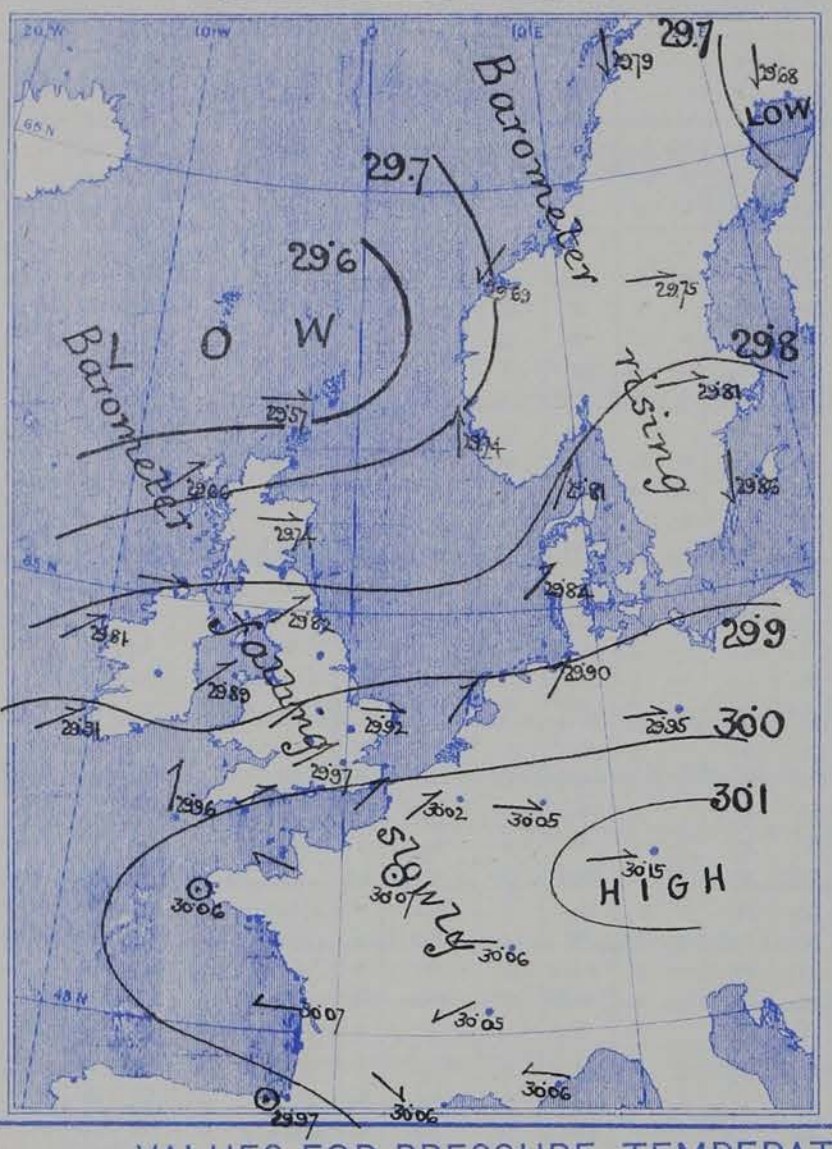
BAROMETER, WIND AND SEA.

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

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

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

SEA—Rough ▤ ; *High* ▩



TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

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

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

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of				Absolute Extremes.				RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95.	
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum	Years.	Minimum.	Years		Hours.	Per cent. of possible.
	(*Inches.*)	°	°	°	°	°		°		(*Inches.*)		
Sumburgh Head	29 · 898	50 · 5	48 · 7	54 · 6	45 · 0	70	1891	33	1888	1 · 93	—	—
Stornoway	29 · 894	53 · 4	51 · 4	58 · 2	46 · 0	76	1893	31	1888	2 · 76	185 · 1	35
Wick	29 · 916	53 · 4	50 · 8	58 · 9	45 · 5	79	1878	30	1881	1 · 75	—	—
Nairn	29 · 917	54 · 4	51 · 0	62 · 3	47 · 3	86	1876	30	1888	1 · 73	—	—
Aberdeen	29 · 933	54 · 8	50 · 8	61 · 0	47 · 2	80	1881, 87	30	1888	1 · 80	196 · 5	37
Leith	29 · 943	55 · 9	52 · 3	63 · 9	48 · 0	86	1887	34	1886	1 · 79	—	—
Shields	29 · 959	54 · 9	51 · 8	60 · 6	48 · 5	76	1878, 84	37	1881, 86, 95	1 · 71	—	—
Spurn Head	29 · 971	55 · 3	52 · 8	60 · 3	51 · 1	80*	1885	34*	1881	1 · 64	—	—
York	29 · 979	56 · 1	52 · 7	66 · 2	48 · 4	88	1878	35	1894	2 · 21	173 · 0	34
Loughborough	29 · 991	57 · 7	53 · 8	68 · 6	48 · 8	86*	1893	32*	1895	2 · 20	—	—
Ardrossan	29 · 944	55 · 3	52 · 3	62 · 1	49 · 4	85	1878	36	1890	2 · 32	—	—
Malin Head	29 · 934	53 · 6	51 · 2	59 · 0	50 · 8	—	—	—	—	—	—	—
Belmullet	29 · 953	56 · 2	53 · 2	60 · 8	51 · 4	—	—	—	—	2 · 85	—	—
Donaghadee	29 · 959	55 · 1	53 · 0	61 · 5	49 · 7	77	1887	36	1880	2 · 03	—	—
Holyhead	29 · 976	55 · 9	53 · 4	61 · 7	51 · 3	83	1878	42	1882	1 · 97	—	—
Liverpool	29 · 976	57 · 0	52 · 8	64 · 0	51 · 1	85	1878, 93	38	1872	1 · 99	—	—
Parsonstown	29 · 981	56 · 2	52 · 9	64 · 9	48 · 5	85	1887	32	1881	2 · 34	173 · 7	35
Valencia	29 · 984	57 · 4	54 · 5	62 · 5	51 · 2	81	1887	40	1875, 80, 82	3 · 34	203 · 4	41
Roche's Point	29 · 983	57 · 0	53 · 8	64 · 3	51 · 3	80	1876, 87	41	1881	3 · 07	—	—
Pembroke	29 · 983	55 · 4	53 · 4	60 · 5	51 · 6	79	1893	38	1888	1 · 88	234 · 7	48
Scilly	30 · 002	57 · 5	55 · 3	61 · 5	53 · 2	75	1893	41	1888	1 · 76	—	—
Prawle Point	30 · 010	57 · 1	54 · 7	61 · 7	50 · 7	79*	1887	39*	1881	1 · 59	—	—
Jersey	30 · 019	59 · 0	55 · 9	64 · 9	52 · 8	87	1872	39	1890	1 · 86	243 · 1	51
Hurst Castle	30 · 007	57 · 9	55 · 7	64 · 6	52 · 0	84	1893	38	1881	1 · 83	—	—
Dover	29 · 989	58 · 2	55 · 0	63 · 0	52 · 3	77	1878	37	1890, 91, 92, 93	1 · 52	—	—
LONDON	30 · 001	58 · 9	54 · 6	69 · 2	50 · 6	91	1878	35	1880	1 · 99	167 · 4†	34†
Oxford	29 · 996	56 · 8	53 · 3	67 · 1	49 · 9	86	1876, 93	35	1892, 93	2 · 11	192 · 1	39
Cambridge	29 · 994	58 · 1	54 · 7	68 · 8	48 · 4	88	1888, 93	33	1892	2 · 14	195 · 3	40
Yarmouth	29 · 983	56 · 8	54 · 0	61 · 9	51 · 0	81	1877, 88	40	1892	1 · 86	—	—

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

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.1 ins. and more to 29.9 ins. over Germany, France & the S.W. parts of our Islands
Lowest 29.6 ins. and less to 29.9 ins. over the Shetland Islands, the N. of Scotland & the W. of Norway.
Gradients slight, and mainly favourable for SW.ly winds over our Islands.
Barometer falling throughout our Islands and France, but not quickly.

TEMPERATURE

Highest 73° at Perpignan, 69° at Lyons, and much above 60° over France and the central parts of Eng
Lowest 48° at Bodö, 50° at Skudesnaes, 51° at Dunbrugh Hd., 53° at Stornoway.
The maxima recorded yesterday were as high as 76° to 70° over England, 75° at Paris, 78° at Lyons, and 87° at Perpignan. At Berlin the maximum was only 64°.

WIND

SW.ly (W to S) in our Islands, and light in force, but more S.ly on the eastern shores of the North Sea. Over France it was very light and anticyclonic, and over the Bay of Biscay very faint from the E.ard

WEATHER

Very cloudy generally and showery at several of our W.rn and S.rn stations; foggy in the English Channel; fine and bright over France and several parts of Sweden
Slight showers have fallen over the N.rn and W.rn parts of our Islands generally, but at Donaghadee the fall has been large. Bright sunshine recorded yesterday was slight in most places, and at several of the N.rn and W.rn stations there was none.

SEA

moderate at our most N.rn stations and at Pembroke slight to very smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The tendency for showery weather over our Islands is increasing steadily, and some rain is probable in all parts of our Islands during the coming 24 hrs. — most at the W.rn and NW.rn stations.

FORECASTS

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

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	SW.ly breezes, moderate to fresh; showery.
1	SCOTLAND EAST	SW.ly breezes, light to moderate; a few slight showers.
2	ENGLAND N.E.	
3	ENGLAND EAST	Same as No. 5.
4	MIDLAND COUNTIES	SW.ly breezes, moderate; showers at times.
5	ENGLAND SOUTH	SW.ly breezes, light; cloudy close; slight showers occasionally.
6	SCOTLAND WEST	SW.ly and S.ly breezes, moderate or fresh; showery, bright interva
7	ENGLAND N.W.	
8	ENGLAND S.W.	
9	IRELAND NORTH	
10	IRELAND SOUTH	
	WARNINGS	None issued.

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

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29.83	55	49	NW	4	c	2
Sumburgh Head	29.75	55	52	S	2	c	3
Stornoway	29.66	58	55	WNW	4	c	4
Aberdeen	29.74	59	56	S	3	c	3
Shields	29.86	65	61	SW	3	c	2
Ardrossan	29.88	59	57	WNW	3	o	2
Malin Head ...	29.88	55	54	W	6	o	4
Belmullet	29.93	56	55	WSW	1	om	*
Holyhead	29.99	66	62	SW	4	c	3

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	30.01	64	62	S	3	o	4
Scilly	30.14	65	62	SW	3	o	3
Jersey	30.19	61	60	W	4	o	3
Hurst Castle ...	30.11	62	60	SW	4	om	2
Dungeness ...	30.05	60	59	SW	4	c	3
North Foreland	30.04	70	65	WSW	2	bc	2
London (Westminster)	30.04	74	66	WSW	3	c	*
Yarmouth ...	29.95	71	65	W	3	bc	3
Rochefort ...	30.13	72	71	NW	3	b	*

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

Continental Information not received.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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DAILY WEATHER REPORT

for 8 a.m. on Wednesday, 22nd June, 1898.

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

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)								PAST 24 HOURS.				
		Barom.	Temp.	Wind.			Barometer.		Temperature.			Wind.					Temp.		
		At 32° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)	Weather	At 32° Fahr. and M. S. L.	Change since Yesterday.	Dry Bulb.	Wet Bulb.	Change since Yesterday.	Direc.	Force (0 to 12.)	Weather.	Sea (0 to 9.)	Weather.	Hours of Bright Sunshine.	Max.	Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
Scandinavia	Haparanda ...	29.70	54	NW	0	b	29.72	+.04	58	48	+4	S	6	bc	*	0	*	63	39	-
	Hernösand ...	29.69	55	S	2	o	29.64	-.11	58	54	+1	S	6	bc	*	0	*	64	?	.
	Stockholm ...	29.81	53	SW	2	b	29.75	-.06	60	59	+2	SE	2	c	*	b	*	66	46	-
	Wisby	29.85	52	?	5	b	29.85	-.01	58	53	+7	S	4	o	*	b	*	59	46	-
	Karlstad ...	29.75	56	SSW	4	o	29.67	-.13	57	55	+1	S	4	o	*	o	*	*	*	-
	Bodö	29.67	48	NNE	3	b	29.60	-.19	51	47	+3	ESE	2	r	o	b	*	51	43	-
	Christiansund ...	29.60	56	WNW	1	c	29.59	-.10	53	49	-2	WNW	3	bc	2	c	*	59	48	-
	Skudesnaes ...	29.76	54	SW	2	c	29.55	-.19	51	51	+1	SSW	7	of	4	c	*	55	48	*
	Færder (Christiania Fjord)	29.71	57	SSW	3	m	29.63	-.11	57	53	-1	SSW	4	r	2	m	*	59	55	-
	Skagen (The Scaw)	29.78	57	WSW	1	m	29.66	-.15	52	51	-2	NE	1	r	o	m	*	61	52	0.16
	Fanö	29.80	54	W	0	c	29.65	-.19	57	57	+1	SW	4	o	*	c	*	61	54	0.20
British Isles	Sumburgh Head	29.61	54	SSE	2	c	29.41	-.16	47	46	-4	N	2	r	4	c.tlr	*	58	45	0.27
	Stornoway ...	29.55	50	SW	2	r	29.56	-.10	49	48	-4	NW	4	c	4	c.r	2.6	53	43	0.25
	Wick	29.59	54	NW	3	c	29.51	-.15	52	50	-4	NW	3	o	2	c	*	64	42	0.07
	Nairn	29.56	62	W	2	bc	29.55	-.16	53	50	-5	WNW	2	c	1	bc	*	67	47	-
	Aberdeen ...	29.60	56	S	3	bc	29.56	-.18	52	49	-8	W	3	c	2	kp.c.r	4.7	63	45	0.13
	Leith	29.61	58	WSW	2	bc	29.61	-.17	59	52	-1	WSW	2	c	*	bc	*	66	47	0.12
	Shields	29.69	60	S	2	op	29.67	-.15	55	51	-4	SW	3	c	2	op	*	66	50	0.04
	Spurn Head ...	29.72	62	SW	4	c	29.74	-.12	59	55	-2	W	4	c	3	r.c	*	67	55	0.14
	York	29.74	58	W	1	r	29.74	-.12	58	52	-4	WSW	2	bc	*	o r	0.0	65	50	0.67
	Loughborough ...	29.79	63	SW	3	o	29.80	-.10	60	55	-5	W	2	bcw	*	op.c.bc	*	68	53	0.12
	Ardrossan ...	29.66	55	W	3	cp	29.66	-.13	56	53	+1	W	4	bc	3	c.cp	*	60	51	0.07
	Malin Head ...	29.64	54	W	6	bcpt	29.70	-.08	54	52	-1	NW	5	cqp	4	tlhp.bc	*	55	50	0.24
	Belmullet ...	29.77	55	W	5	b	29.83	+.02	55	50	-2	WNW	5	c	*	b	*	59	50	0.10
	Donaghadee ...	29.72	62	NW	5	c	29.74	-.10	58	53	-2	NW	4	bc	2	c	*	69	49	-
	Liverpool (Bidston)	29.78	58	WNW	1	r	29.78	-.10	55	52	-3	WSW	4	bc	4	r	*	60	51	0.58
	Holyhead ...	29.78	57	SW	2	cm	29.80	-.09	55	52	-2	WSW	3	c	2	rf.cm	*	58	49	0.38
	Parsonstown ...	29.80	61	W	2	bc	29.85	-.02	55	51	-3	W	2	c	*	bc	11.5	65	48	-
	Valencia ...	29.89	58	W	4	b	29.93	+.02	56	51	-1	NW	4	c	4	b	13.0	61	51	0.02
	Roche's Point ..	29.87	61	W	3	c	29.89	.00	56	51	-1	NNW	4	b	3	r.c	*	64	51	0.06
	Pembroke (St. Ann's Hd.)	29.85	57	NW	4	o	29.86	-.05	55	51	-2	NW	4	b	4	o	0.0	58	53	0.26
	Scilly	29.90	57	NW	3	cp	29.91	-.05	57	52	-3	WNW	4	c	3	c.cp	2.1	66	50	-
	Prawle Point ...	29.90	57	SW	3	c	29.87	-.13	60	57	+3	WSW	2	bc	2	cf.p	*	60	52	0.01
	Jersey (St. Aubin's)	29.91	66	W	3	bc	29.88	-.17	59	57	0	WNW	3	c	3	bv.p	*	70	55	0.01
	Hurst Castle ...	29.88	58	WSW	3	cm	29.83	-.17	61	58	+3	WSW	2	cm	2	cm.cm	*	63	56	-
	Dungeness ...	29.88	58	WSW	3	o	29.79	-.18	59	58	+1	SW	2	f	2	cf.o	*	63	54	-
	North Foreland	29.87	65	SW	3	c	29.79	-.18	62	58	-5	W	2	c	1	bc.c	*	74	54	-
	London (Brixton) ...	29.83	66	SW	3	c	29.81	-.16	62	57	-4	WSW	1	o	*	bc.c	3.8	77	56	-
	Oxford	29.82	64	WSW	2	o	29.82	-.12	60	58	-4	W	2	bc	*	r.c.o	*	73	54	0.07
	Cambridge ...	29.79	71	SW	3	b	29.80	-.13	60	57	-4	NW	1	c	*	c.b	4.3	74	56	0.03
	Yarmouth ...	29.78	64	S	2	bc	29.78	-.14	61	58	-4	W	2	bc	2	p.bc	*	71	55	0.10
Germany & Holland	Cuxhaven ...	29.87	63	NW	3	c	29.75	-.15	63	62	+3	SW	4	c	*	c	*	68	57	-
	Berlin	29.89	66	W	0	o	29.81	-.14	68	64	+9	SE	1	b	*	o	*	72	59	0.04
	Wiesbaden ...	*	*	*	*	*	29.88	-.17	67	63	+2	N	1	bc	*	*	*	79	61	-
	Munich	30.02	67	NE	2	b	30.00	-.15	72	65	+8	W	5	b	*	b	*	77	57	-
	The Helder ...	29.83	59	SW	1	bc	29.75	-.16	59	57	-2	SW	1	o	1	bc	*	64	57	-
Belgium.	Brussels ...	*	*	*	*	*	29.84	-.18	63	62	+2	SW	1	r	*	c	*	67	55	-
	Cape Gris Nez ...	?	59	WSW	3	c	?	?	55	54	-1	WSW	1	f	1	c	*	61	52	-
	Paris	29.93	75	SW	1	bc	29.82	-.25	66	62	+1	S	2	bc	*	bc	*	76	57	-
	Brest	29.93	59	NW	1	m	29.92	-.14	56	55	-1	NW	1	o	1	m	*	66	52	-
	Lorient	29.93	63	W	2	m	29.90	-.15	58	56	-1	NNE	3	c	2	m	*	77	55	-
France &	Rochefort ...	29.91	75	NE	2	b	29.89	-.18	61	60	-3	NW	4	r	*	b	*	90	59	0.04
	Belfort	29.91	77	W	3	c	29.93	-.13	71	65	+6	WSW	3	m	*	c	*	85	60	-
	Lyons	29.96	80	S	1	bc	29.96	-.09	66	57	-3	S	1	o	*	b	*	84	60	-
	Nice	30.06	64	SE	4	o	30.05	-.01	65	63	+1	W	0	m	?	o	*	?	?	-
	Perpignan ...	?	76	NE	2	b	30.02	-.04	66	63	-1	NE	2	o	*	b	*	81	58	-
	Biarritz ...	29.82	79	NNE	3	b	29.90	-.07	66	64	-1	SSE	2	o	2	b	*	81	64	-
Peninsula.	Corunna ...																*			
	Lisbon	29.99	68	WSW	4	o	29.99	.00	67	61	-6	WSW	3	o	*	o	*	82	64	-
	Azores (P. Delgada)	30.20	69	N	3	o	30.25	+.15	67	63	-3	NE	3	c	2	o	*	77	64	-

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

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

Bright Sunshine yesterday Southport 0.1 hrs;

WEATHER CHARTS

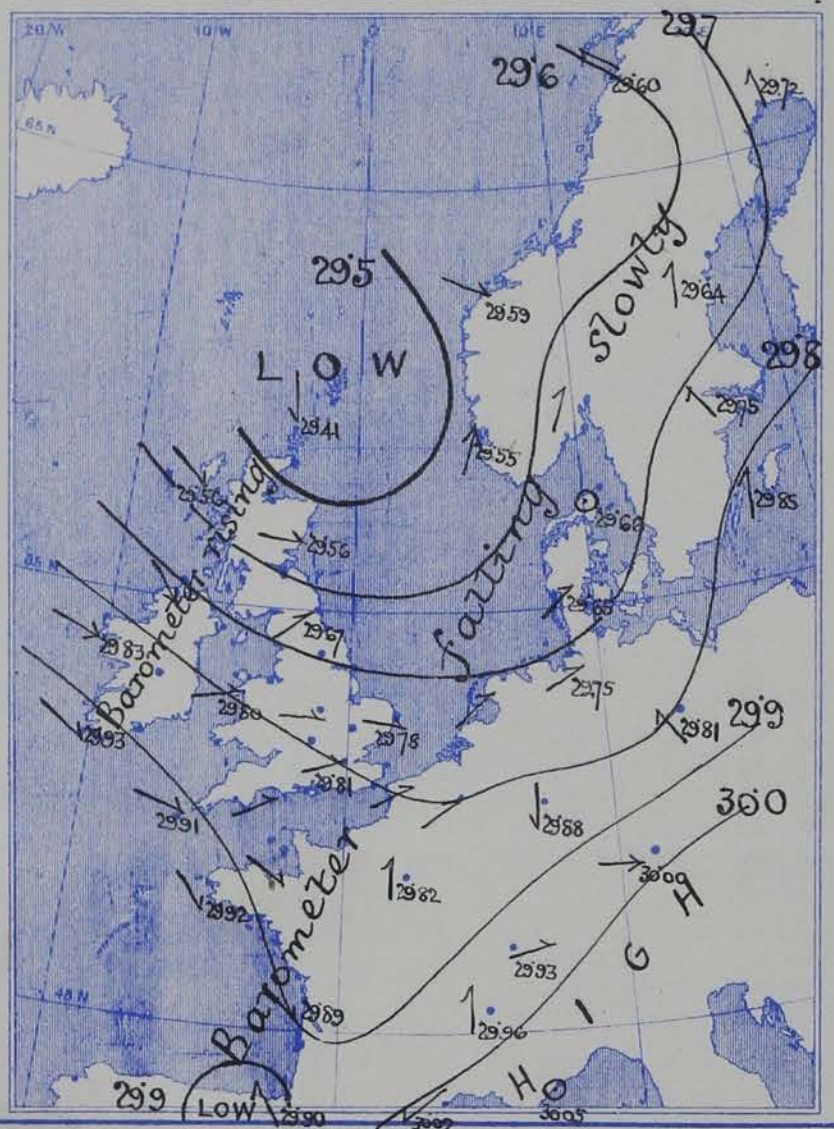
FOR Wednesday, 22nd June, 1898

BAROMETER, WIND AND SEA.

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

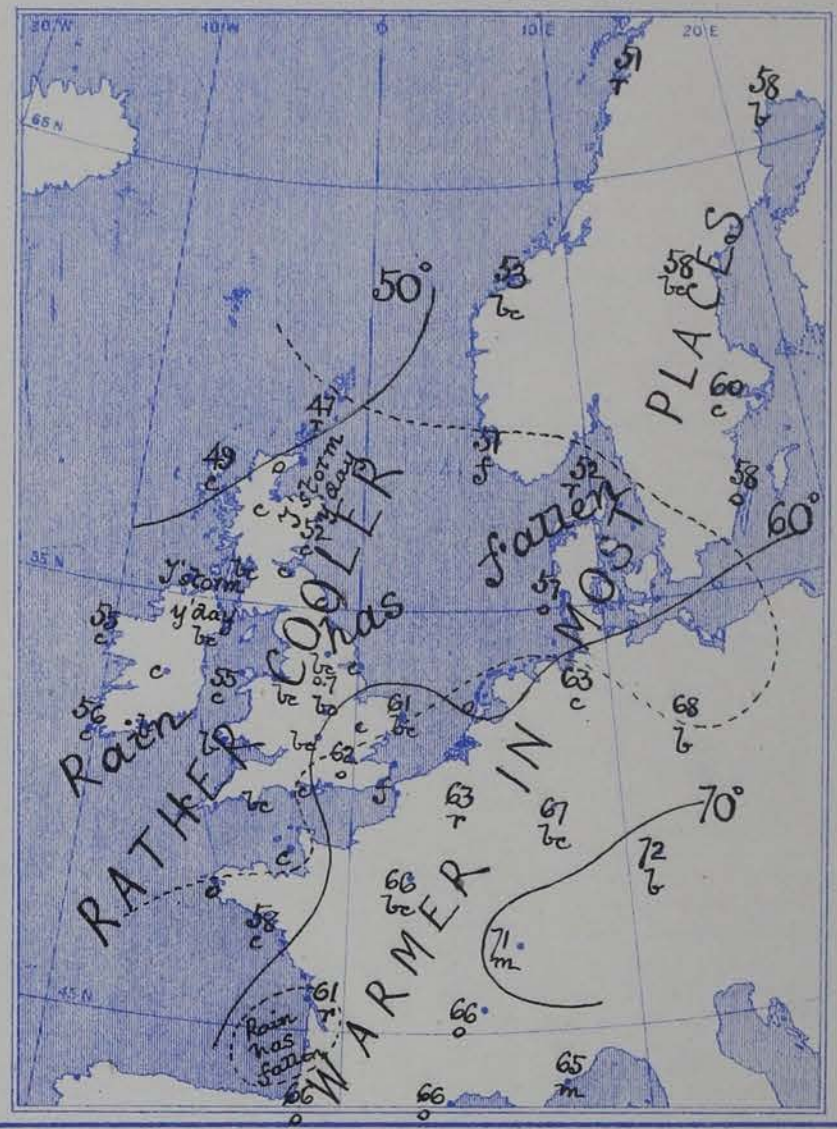
Force above 10 ⟫⟶ ; *Force 5 to 7* ⟶ : } Calm ⊙
Force 8 to 10 ⟫⟶ ; *Force 1 to 4* ⟶ ; }

SEA—Rough ▤ : *High* ▩



TEMPERATURE & WEATHER.

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



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

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of				Absolute Extremes.				RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95.	
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum	Years.	Minimum.	Years		Hours.	Per cent. of possible.
	(*Inches.*)	°	°	°	°	°		°		(*Inches.*)		
Sumburgh Head	29·898	50·5	48·7	54·6	45·0	70	1891	33	1888	1·93	—	—
Stornoway	29·894	53·4	51·4	58·2	46·0	76	1893	31	1888	2·76	185·1	35
Wick	29·916	53·4	50·8	58·9	45·5	79	1878	30	1881	1·75	—	—
Nairn	29·917	54·4	51·0	62·3	47·3	86	1876	30	1888	1·73	—	—
Aberdeen	29·933	54·8	50·8	61·0	47·2	80	1881, 87	30	1888	1·80	196·5	37
Leith	29·943	55·9	52·3	63·9	48·0	86	1887	34	1886	1·79	—	—
Shields	29·959	54·9	51·8	60·6	48·5	76	1878, 84	37	1881, 86, 95	1·71	—	—
Spurn Head	29·971	55·3	52·8	60·3	51·1	80*	1885	34*	1881	1·64	—	—
York	29·979	56·1	52·7	66·2	48·4	88	1878	35	1894	2·21	173·0	34
Loughborough	29·991	57·7	53·8	68·6	48·8	86*	1893	32*	1895	2·20	—	—
Ardrossan	29·944	55·3	52·3	62·1	49·4	85	1878	36	1890	2·32	—	—
Malin Head	29·934	53·6	51·2	59·0	50·8	—	—	—	—	—	—	—
Belmullet	29·953	56·2	53·2	60·8	51·4	—	—	—	—	2·85	—	—
Donaghadee	29·959	55·1	53·0	61·5	49·7	77	1887	36	1880	2·03	—	—
Holyhead	29·976	55·9	53·4	61·7	51·3	83	1878	42	1882	1·97	—	—
Liverpool	29·976	57·0	52·8	64·0	51·1	85	1878, 93	38	1872	1·99	—	—
Parsonstown	29·981	56·2	52·9	64·9	48·5	85	1887	32	1881	2·34	173·7	35
Valencia	29·984	57·4	54·5	62·5	51·2	81	1887	40	1875, 80, 82	3·34	203·4	41
Roche's Point	29·983	57·0	53·8	64·3	51·3	80	1876, 87	41	1881	3·07	—	—
Pembroke	29·983	55·4	53·4	60·5	51·6	79	1893	38	1888	1·88	234·7	48
Scilly	30·002	57·5	55·3	61·5	53·2	75	1893	41	1888	1·76	—	—
Prawle Point	30·010	57·1	54·7	61·7	50·7	79*	1887	39*	1881	1·59	—	—
Jersey	30·019	59·0	55·9	64·9	52·8	87	1872	39	1890	1·86	243·1	51
Hurst Castle	30·007	57·9	55·7	64·6	52·0	84	1893	38	1881	1·83	—	—
Dover	29·989	58·2	55·0	63·0	52·3	77	1878	37	1890, 91, 92, 93	1·52	—	—
LONDON	30·001	58·9	54·6	69·2	50·6	91	1878	35	1880	1·99	167·4†	34†
Oxford	29·996	56·8	53·3	67·1	49·9	86	1876, 93	35	1892, 93	2·11	192·1	39
Cambridge	29·994	58·1	54·7	68·8	48·4	88	1888, 93	33	1892	2·14	195·3	40
Yarmouth	29·983	56·8	54·0	61·9	51·0	81	1877, 88	40	1892	1·86	—	—

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

† The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, (1) 29·9 in: and more over the extreme southwest of our Islands and the southwest of France; (2) 30·0 in: and more over Switzerland and the southeast of France.
Lowest, 29·4 in: to 29·5 in: over the Shetland Islands and their neighbourhood, and below 29·6 in: over the northern parts of Norway.
Gradients moderate to slight.
Barometer beginning to rise again on our western coasts, but still falling in the northeast.

TEMPERATURE

Highest, 72° at Munich, 71° at Belfast, 66° at Biarritz and Paris, 62° in London, 60° at Stockholm
Lowest, 47° at Lerwick Head, 49° at Stornoway, 51° to 53° at several of the other northern stations.
The maxima recorded yesterday ranged from 77° to 70° over our southern counties, but did not reach 70° in the north. That at Paris was 76°, at Wiesbaden 79°, and those in the southern parts of France exceeded 80°.

WIND

Light from the W.N.W. over the greater part of England, moderate to fresh from the N.N.W. on our western coasts, but S.W. to S. on the eastern shores of the North Sea

WEATHER

Fair as a whole, but cloudy in several places and foggy over the eastern parts of the Channel.
Rain has fallen in many places (0·7 in: at York) but hardly any of it over our southern counties or in France.
Thunderstorms have occurred at several of our northern stations.
Bright Sunshine recorded yesterday was 13 hrs: at Valencia and 11·5 hrs at Yarmouth, but was much less over Great Britain

SEA

Moderate in the north and west, slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Fine weather is probable almost all over our Islands, with light to moderate breezes from NW. and W.

FORECASTS

For the 24 hours ending at NOON on 23RD JUNE 1898

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	N.W. to W.N.W. breezes, some showers, then fair.
1	SCOTLAND EAST	
2	ENGLAND N.E.	W.N.W. to N.W. breezes; some local thundershowers, then fine.
3	ENGLAND EAST	
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	W.N.W. and N.W. breezes, moderate or light; fair as a whole.
6	SCOTLAND WEST	Same as Nos 0 and 1.
7	ENGLAND N.W.	N.W. and W.N.W. breezes, fresh to light; fair generally.
8	ENGLAND S.W.	
9	IRELAND NORTH	
10	IRELAND SOUTH	
	WARNINGS	NONE ISSUED.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29.77	55	53	SSW	4	c	3
Sumburgh Head	29.63	54	53	W	2	c	4
Stornoway	29.61	52	51	WNW	3	r	3
Aberdeen	29.68	58	54	SSE	3	c	3
Shields	29.76	58	56	SE	2	op	2
Ardrossan	29.68	59	58	SSW	3	c	3
Malin Head ...	29.69	52	52	W	1	tlr	4
Belmullet	29.77	59	54	W	5	b	*
Holyhead	29.82	56	56	SW	2	r	1

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	29.89	60	56	WSW	5	c	5
Scilly	29.92	65	62	SW	3	c	3
Jersey	29.96	66	62	SSW	3	b	3
Hurst Castle ...	29.95	62	60	SW	3	omv	2
Dungeness ...	29.92	62	60	WSW	4	cfv	3
North Foreland	29.87	70	66	S	4	bcv	2
London (Westminster)	29.88	76	67	WSW	3	bc	*
Yarmouth ...	29.86	64	62	S	3	p	3
Rochefort ...	30.00	?89	?82	E	2	b	*

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

Weather in morning fine over the greater part of the Continent, but dull over the southern half of Russia, still raining over Austria; fair over the southeastern half of British Islands, but foggy in places, dull and rainy in the west and north. Rain falling later in many parts of the United Kingdom — heavily at York, and thunderstorms occurring at several of our northern stations.

Temperature in morning highest 77° at Pakas, 74° at Trieste, and exceeding 70° at several of the Mediterranean and Adriatic stations; 65° at Belfort, 63° at Münster; 66° to 60° over the inland and eastern parts of England. Lowest, 43° at Archangel, 48° at Bodö, 50° at Thorshavn, and below 60° almost all over Scotland, northern Europe and Russia. Rising later to between 65° and 70° at many of our northern stations, and touching 77° in London, 79° at Wiesbaden, and 80° to 85° over the southern half of France.

Wind (1) very light and variable over France and southern Europe; (2) light to moderate from SW. and W. over the British Islands, and from a more southerly point on the eastern shores of the North Sea; (3) very light from the N. over Finland and the Baltic Provinces, and from the W. over Hungary and the south of Russia. Veering to NW. over the western parts of the United Kingdom later, but becoming S. on our northeast coast.

Barometer highest 30·1 ins. and more to 30·0 ins. over the Mediterranean, southern Europe, France, and the southwest of Germany, as well as the eastern shores of the Adriatic. Lowest (1) below 29·7 ins. over the north of Scotland and the west of Norway; (2) below 29·4 ins. in a depression over Central Russia. Falling later over the United Kingdom, and a V shaped secondary appearing over the northern parts of Great Britain.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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" Weekly " " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on Thursday, 23rd June, 1898.

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

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)									PAST 24 HOURS.				
		Barom.	Temp.	Wind.			Barometer.		Temperature.			Wind.						Temp.		
		At 32° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)	Weather	At 32° Fahr. and M. S. L.	Change since Yesterday.	Dry Bulb.	Wet Bulb.	Change since Yesterday.	Direc.	Force (0 to 12.)	Weather.	Sea (0 to 9.)	Weather.	Hours of Bright Sunshine.	Max.	Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
Scandinavia.	Haparanda ...	29.69	54	SSE	4	0	29.86	-.16	53	50	- 5	S	2	r	#	0	#	61	43	0.04
	Hernösand ...	29.57	51	S	6	f	29.47	-.17	53	52	- 5	S	2	f	#	f	#	59	50	0.08
	Stockholm ...	29.63	55	SE	4	o	29.66	-.09	56	53	- 4	E	0	r	#	o	#	63	48	-
	Wisby	29.73	57	SSW	4	c	29.65	-.20	54	53	- 4	S	4	r	#	c	#	63	46	0.04
	Karlstad ...	29.59	57	SE	2	b	29.58	-.09	54	51	- 3	SW	4	c	#	r.b	#	#	#	0.16
	Bodö	29.56	51	NNE	2	b	29.49	-.11	54	50	+ 3	N	4	b	1	b	#	54	39	-
	Christiansund ...	29.52	54	WNW	1	bc	29.50	-.09	53	50	0	WNW	3	0	2	bc	#	57	50	-
	Skudesnaes ...	29.53	51	SSW	6	r	29.54	-.01	51	49	0	W	6	r	3	bc.r	#	57	46	#
	Færder (Christiania Fjord)	29.55	57	SSW	6	b	29.55	-.08	54	50	- 3	SW	6	b	4	b	#	57	52	-
	Skagen (The Scaw)	29.67	54	W	2	bc	29.65	-.01	55	51	+ 3	W	3	c	0	bc	#	61	48	0.04
	Fanö	29.72	56	WSW	1	c	29.72	+.07	55	53	- 2	WSW	2	b	#	c	#	65	52	-
	Sumburgh Head	29.92	51	N	2	o	29.64	+.23	50	49	+ 3	NW	2	c	4	r.o	#	51	46	0.12
	Stornoway ...	29.65	56	NW	4	bc	29.70	+.14	51	50	+ 2	WNW	3	c	3	c,bc	8.3	57	47	0.05
	Wick	29.63	54	W	4	c	? 29.67	+.16	52	50	0	NW	1	o	1	c	#	58	45	0.02
	Nairn	29.61	55	W	1	c	29.71	+.16	53	51	0	W	1	o	1	c	#	64	46	0.10
	Aberdeen ...	29.62	53	SW	2	cp	29.73	+.17	55	50	+ 3	W	2	c	1	cqp	6.0	62	46	0.16
	Leith	29.65	58	W	3	c	29.76	+.15	58	52	- 1	WNW	2	bcm	#	c	#	67	48	-
	Shields	29.68	61	WSW	3	bc	29.77	+.10	54	51	- 1	W	3	c	2	cp.bc	#	65	46	-
	Spurn Head ...	29.73	58	WSW	4	c	29.80	+.06	55	52	- 4	W	5	c	3	c	#	64	50	-
	York	29.74	63	W	3	b	29.81	+.07	55	50	- 3	W	3	bc	#	b	11.0	65	48	0.01
	Loughborough ...	29.80	57	WSW	1	c	29.90	+.10	55	50	- 5	W	3	cqw	#	bc.ht.	#	69	47	0.07
British Isles.	Ardrossan ...	29.71	57	W	5	bc	29.81	+.15	59	51	+ 3	W	3	c	2	bc	#	61	52	0.02
	Malin Head ...	29.78	53	NW	6	cp	29.82	+.12	55	53	+ 1	WSW	3	bc	3	c.cp	#	55	49	0.02
	Belmullet ...	29.95	55	WNW	4	b	29.82	-.01	54	53	- 1	SSW	3	o	#	b	#	57	50	0.04
	Donaghadee ...	29.81	59	NW	5	bp	29.87	+.13	55	52	- 3	W	4	bc	2	b,p	#	63	45	0.18
	Liverpool (Bidston)	29.80	56	W	5	bc	29.90	+.12	53	50	- 2	W	5	c	4	bc	#	60	50	-
	Holyhead ...	29.84	54	WSW	3	bp	29.84	+.14	55	51	0	WNW	3	bc	2	b,bp	#	62	49	0.01
	Parsonstown ...	29.91	57	NW	1	bc	29.93	+.08	54	51	- 1	W	1	o	#	cp,bc	7.0	62	45	0.04
	Valencia ...	30.03	56	NW	4	bc	29.96	+.03	56	54	0	SW	3	oq	4	bc	11.2	59	51	0.02
	Roche's Point ...	29.94	59	NNW	5	b	30.00	+.11	57	53	+ 1	WSW	3	c	3	b	#	60	48	-
	Pembroke (St. Ann's Hd.)	29.90	55	NW	4	c	†30.03	+.17	54	50	- 1	WNW	4	b	4	b,c	13.1	58	53	-
	Scilly	29.98	59	WNW	4	c	30.07	+.16	55	53	- 2	WNW	2	cp	3	bc.c	13.3	61	53	0.04
	Prawle Point ...	29.92	59	W	4	b	30.04	+.17	56	52	- 4	W	3	bc	2	b	#	62	47	-
	Jersey (St. Aubin's)	29.94	61	W	4	b	30.05	+.17	60	55	+ 1	NW	3	b	3	bc.b	#	64	53	-
	Hurst Castle ...	29.85	65	NW	4	bc	29.98	+.15	60	55	- 1	WNW	4	bc	2	c.bc	#	68	50	-
	Dungeness ...	29.77	62	WSW	3	c	29.93	+.14	60	55	+ 1	WSW	2	b	1	c	#	64	48	-
	North Foreland	29.79	62	SW	1	c	29.92	+.13	56	52	- 6	W	2	b	1	hl.c	#	63	49	0.03
	London (Brixton) ...	29.80	64	NW	1	bc	29.95	+.14	59	51	- 3	NW	2	bc	#	c.b	6.3	71	46	-
	Oxford	29.85	58	W	2	b	29.96	+.14	57	50	- 3	WNW	3	b	#	bc.pq,b	#	68	44	-
	Cambridge ...	29.78	63	NW	3	cb	29.91	+.11	56	51	- 4	W	3	b	#	c.b	8.8	69	44	-
	Yarmouth ...	29.77	59	SE	3	c	29.85	+.07	55	57	- 6	W	4	b	2	p.c	#	62	46	0.07
Germany & Holland.	Cuxhaven ...	29.73	61	N	2	c	29.75	-.00	57	56	- 6	WSW	2	o	#	c	#	66	54	-
	Berlin	29.73	74	NE	0	b	29.74	-.07	65	60	- 3	W	2	o	#	b	#	82	62	-
	Wiesbaden ...	#	#	#	#	#	29.83	-.05	62	57	- 5	SW	2	o	#	#	#	?	?	0.47
	Munich	29.92	68	SE	4	bc	29.95	-.05	57	57	- 15	SSE	1	r	#	bc	#	77	57	0.20
	The Helder ...	29.76	59	NE	0	0	29.79	+.04	58	53	- 1	W	3	bc	2	o	#	64	52	0.04
Belgium.	Brussels ...	#	#	#	#	#	29.90	+.06	58	53	- 5	WNW	4	b	#	o	#	74	48	0.08
	Cape Gris Nez ...	?	58	W	4	o	?	?	55	54	o	NW	2	bc	2	o	#	61	50	-
	Paris	29.86	67	WNW	2	c	29.99	+.17	?	54	?	WNW	1	?	#	c	#	80	52	-
	Brest	30.00	60	NW	2	bc	30.10	+.18	55	53	- 1	NW	2	bc	2	bc	#	64	52	-
	Lorient	29.96	63	NW	4	bc	30.11	+.21	57	54	- 1	NW	3	bc	3	bc	#	70	54	-
France &	Rochefort ...	29.93	64	NW	4	c	30.10	+.21	58	56	- 3	NNW	4	b	#	o,bc	#	64	54	-
	Belfort	29.88	67	W	5	o	29.90	-.03	?	?	?	S	2	o	#	o	#	83	55	0.67
	Lyons	29.91	69	S	2	o	29.98	+.02	60	60	- 6	NW	2	r	#	o	#	75	56	0.16
	Nice	30.01	66	?	1	o	29.86	-.19	66	62	+ 1	E	3	bc	1	o	#	75	61	-
	Perpignan ...	29.96	68	NE	2	c	29.96	-.06	66	62	o	NW	2	bc	#	c	#	73	59	-
	Biarritz ...	29.92	65	NNW	3	r	30.09	+.19	63	56	- 3	NW	4	c	3	r	#	70	59	0.28
Peninsula.	Corunna ...																#			
	Lisbon	30.08	63	N	5	o	30.11	+.12	63	56	- 4	N	4	b	#	o	#	75	59	-
	Azores (P. Delgada)	30.36	65	ENE	2	b	30.35	+.10	67	61	o	NE	4	b	3	b	#	72	68	-

For Explanation of Columns, see bottom of last page.

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

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

Bright Sunshine yesterday Southport 11.7 hrs;

WEATHER CHARTS

FOR Thursday, 23rd June, 1898

BAROMETER, WIND AND SEA.

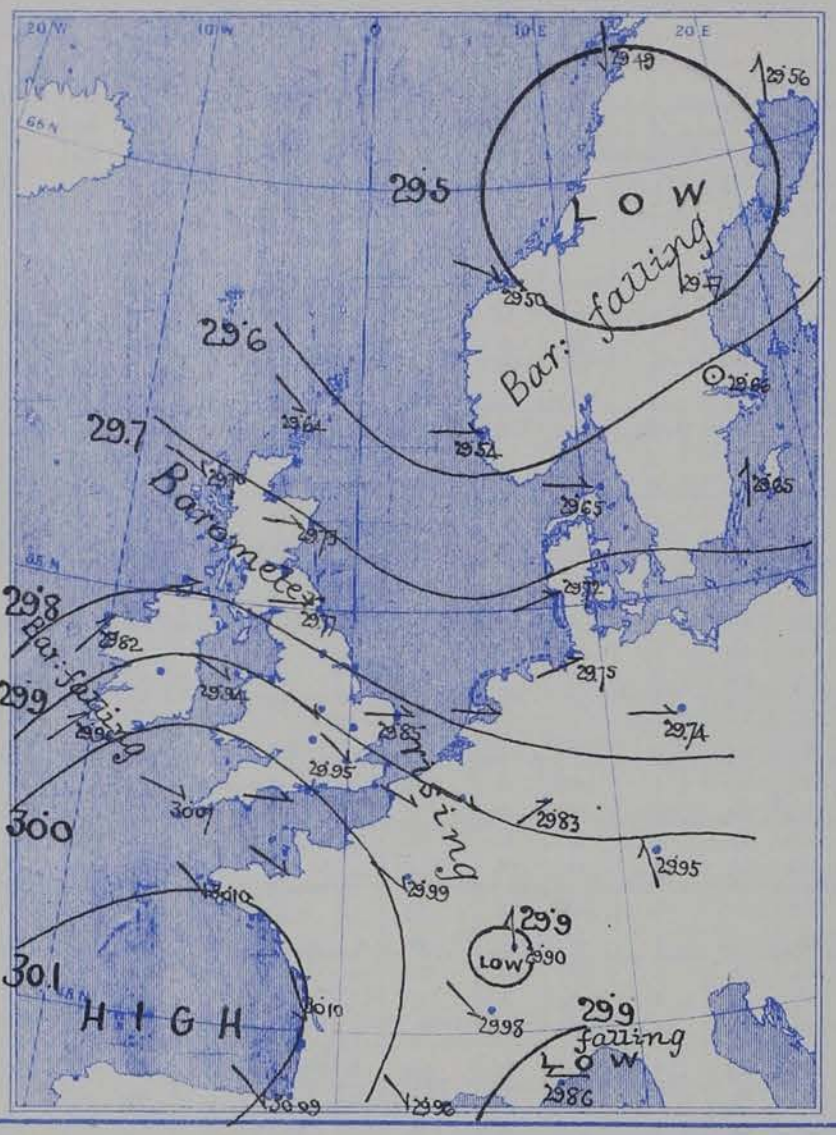
BAROMETER—Isobars are drawn for each tenth of an inch.

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

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

Force 8 to 10 ⟶ ;

SEA—Rough ; High

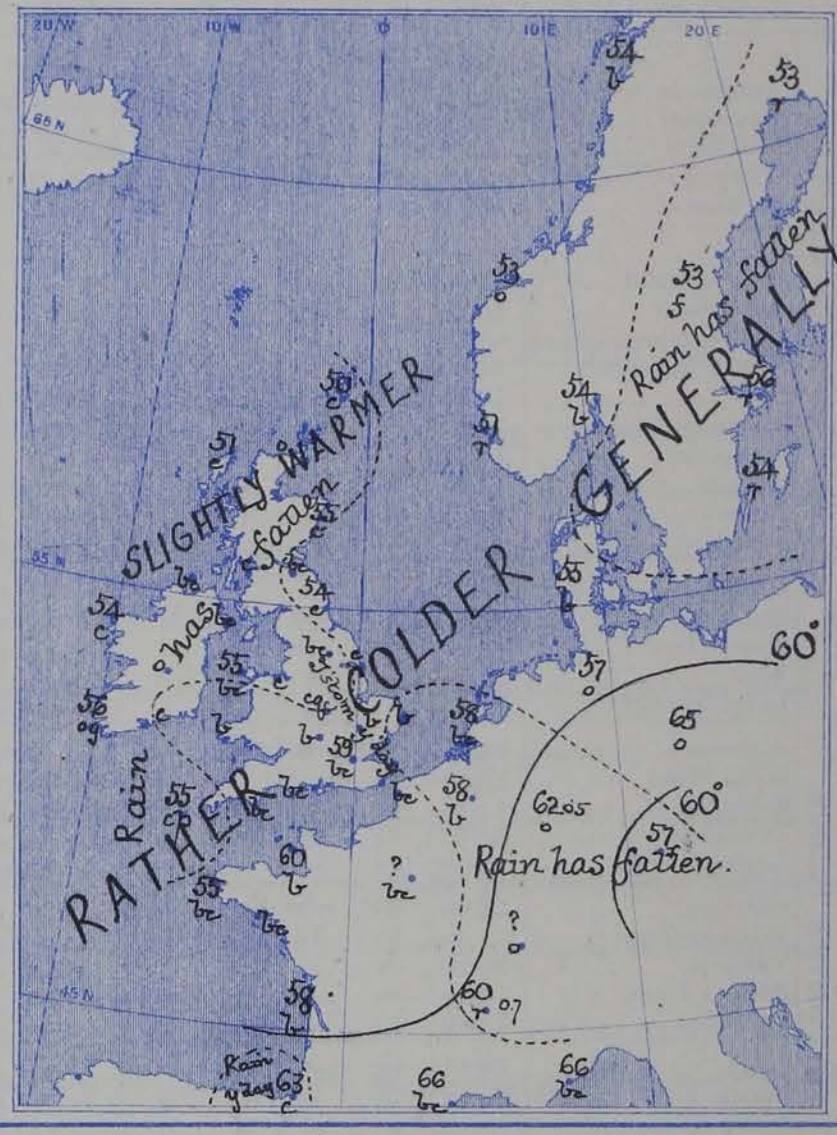


TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

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



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

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of				Absolute Extremes.				RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95.	
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum	Years.	Minimum.	Years.		Hours.	Per cent. of possible.
	(*Inches.*)	°	°	°	°	°		°		(*Inches.*)		
Sumburgh Head	29·898	50·5	48·7	54·6	45·0	70	1891	33	1888	1·93	—	—
Stornoway	29·894	53·4	51·4	58·2	46·0	76	1893	31	1888	2·76	185·1	35
Wick	29·916	53·4	50·8	58·9	45·5	79	1878	30	1881	1·75	—	—
Nairn	29·917	54·4	51·0	62·3	47·3	86	1876	30	1888	1·73	—	—
Aberdeen	29·933	54·8	50·8	61·0	47·2	80	1881, 87	30	1888	1·80	196·5	37
Leith	29·943	55·9	52·3	63·9	48·0	86	1887	34	1886	1·79	—	—
Shields	29·959	54·9	51·8	60·6	48·5	76	1878, 84	37	1881, 86, 95	1·71	—	—
Spurn Head	29·971	55·3	52·8	60·3	51·1	80*	1885	34*	1881	1·64	—	—
York	29·979	56·1	52·7	66·2	48·4	88	1878	35	1894	2·21	173·0	34
Loughborough	29·991	57·7	53·8	68·6	48·8	86*	1893	32*	1895	2·20	—	—
Ardrossan	29·944	55·3	52·3	62·1	49·4	85	1878	36	1890	2·32	—	—
Malin Head	29·934	53·6	51·2	59·0	50·8	—	—	—	—	—	—	—
Belmullet	29·953	56·2	53·2	60·8	51·4	—	—	—	—	2·85	—	—
Donaghadee	29·959	55·1	53·0	61·5	49·7	77	1887	36	1880	2·03	—	—
Holyhead	29·976	55·9	53·4	61·7	51·3	83	1878	42	1882	1·97	—	—
Liverpool	29·976	57·0	52·8	64·0	51·1	85	1878, 93	38	1872	1·99	—	—
Parsonstown	29·981	56·2	52·9	64·9	48·5	85	1887	32	1881	2·34	173·7	35
Valencia	29·984	57·4	54·5	62·5	51·2	81	1887	40	1875, 80, 82	3·34	203·4	41
Roche's Point	29·983	57·0	53·8	64·3	51·3	80	1876, 87	41	1881	3·07	—	—
Pembroke	29·983	55·4	53·4	60·5	51·6	79	1893	38	1888	1·88	234·7	48
Scilly	30·002	57·5	55·3	61·5	53·2	75	1893	41	1888	1·76	—	—
Prawle Point	30·010	57·1	54·7	61·7	50·7	79*	1887	39*	1881	1·59	—	—
Jersey	30·019	59·0	55·9	64·9	52·8	87	1872	39	1890	1·86	243·1	51
Hurst Castle	30·007	57·9	55·7	64·6	52·0	84	1893	38	1881	1·83	—	—
Dover	29·989	58·2	55·0	63·0	52·3	77	1878	37	1890, 91, 92, 93	1·52	—	—
LONDON	30·001	58·9	54·6	69·2	50·6	91	1878	35	1880	1·99	167·4†	34†
Oxford	29·996	56·8	53·3	67·1	49·9	86	1876, 93	35	1892, 93	2·11	192·1	39
Cambridge	29·994	58·1	54·7	68·8	48·4	88	1888, 93	33	1892	2·14	195·3	40
Yarmouth	29·983	56·8	54·0	61·9	51·0	81	1877, 88	40	1892	1·86	—	—

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

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·1 ins: to 30·0 ins: over the Bay of Biscay, the western parts of France, and the southwestern parts of our Islands.
Lowest, 29·5 ins: and less, to 29·6 ins: over almost the whole of Scandinavia.
Gradient moderate, but increasing for SW^{ly} and S^{ly} winds over our western districts.
Barometer falling decidedly in the west of Ireland, rising at our eastern and northern stations.

TEMPERATURE

Highest, 66° to 63° in the south and southwest of France, 65° at Berlin, 60° at Dungeness and Jersey.
Lowest, 50° at Lumbruyh Head, and below 55° at nearly all the Scandinavian stations, as well as in the north of Scotland.
The maxima recorded yesterday, and the minima in the night were much lower than those of the previous day. In London the maximum was 71°, at Paris 80° and at Belfast 83°.

WIND

W^{ly} and fresh to light in force over the eastern and southeastern parts of the Kingdom, SW^{ly} to S^{ly} in Ireland, W^{ly} and NW^{ly} over the Bay of Biscay. It is backing in the west generally, and the change is likely to spread over England shortly.

WEATHER

Rainy in Sweden and the south of Norway, very fine over England, cloudy and unsettled over Ireland and showery at Scilly. It is raining in the south of France and South Germany.
Showers have fallen in many places; thunder occurred yesterday in the east of England.
Bright Sunshine recorded yesterday was 10 to 13 hours at our western stations and at York, 8·8 hrs at Cambridge, 6·3 hrs: in London.

SEA

Moderate in the west and north, slight to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Showers are probable over Ireland and the west and north of Scotland today, and will reach many parts of England tomorrow.

FORECASTS

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

DISTRICTS.	FORECASTS.
0 SCOTLAND NORTH	Wind backing to SW. and S. again and freshening; showery
1 SCOTLAND EAST	
2 ENGLAND N.E.	Same as No 4.
3 ENGLAND EAST	Same as No 5.
4 MIDLAND COUNTIES	SW^{ly} winds, moderate; fine today, some showers tomorrow.
5 ENGLAND SOUTH	W^{ly} and SW^{ly} winds, moderate; fine today, uncertain tomorrow.
6 SCOTLAND WEST	Same as Nos 0 and 1
7 ENGLAND N.W.	SW^{ly} and S^{ly} winds, freshening, with showery, unsettled weather.
8 ENGLAND S.W.	
9 IRELAND NORTH	
10 IRELAND SOUTH	
WARNINGS	NONE ISSUED.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29.58	57	52	SSW	6	bc	4
Sumburgh Head	29.47	49	49	N	2	r	4
Stornoway ...	29.61	54	51	W	3	c	3
Aberdeen	29.60	53	49	WNW	4	cq	3
Shields	29.69	63	54	SW	3	cp	2
Ardrossan	29.69	57	55	W	4	be	3
Malin Head ...	29.75	53	51	NW	6	e	5
Belmullet	29.91	55	50	NNW	4	b	*
Holyhead	29.82	60	55	WSW	3	b	2
Valencia	30.00	58	53	NW	5	bc	5
Scilly	29.94	60	55	WNW	4	bc	3
Jersey	29.94	64	58	W	4	bc	3
Hurst Castle ...	29.85	66	60	WSW	3	c	3
Dungeness ...	29.78	59	58	SW	5	c	4
North Foreland	29.80	58	56	SSE	3	o	2
London (Westminster)	29.79	67	58	WSW	2	c	*
Yarmouth ...	29.78	59	55	ESE	3	c	3
Rochefort ...	29.93	63	62	NNW	4	o	#

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

Weather in morning fair over the greater part of our Islands, France, and Spain, as well as over Central and northern Europe; dull over Russia, showery in the south of Scandinavia. Some rain falling later in many parts of our Islands, and larger quantities locally in various parts of France and Germany. Thunder occurring in the north and east of England.

Temperature fallen over the British Islands. Morning readings highest 84° at Brindisi, 78° at Patras, 77° at Algiers and Tiaret, 73° at Lyons, 71° at Belfort; above 60° over France as a whole, 62° in London, 60° at Loughborough. Lowest 47° at Sumburgh Head, 49° at Stornoway and Archangel, 51° at Aberdeen, 55° at Holyhead. Not touching 70° over our Islands later except in London, but reaching 73° at Lyons and Nice, 80° at Paris, 82° at Berlin, and 83° at Belfort.

Wind (1) rather fresh from NW. on our eastern and northeastern coasts, light W. over England, SW. to S. on the eastern shores of the North Sea, SE. to E. over Lapland; (2) very light NW. over Russia; (3) Light and variable over the Mediterranean, southern and southeastern Europe. The NW. wind becoming more general over our Islands later and blowing strongly in the north of Ireland.

Barometer highest (1) 30·1 ins: and more to 30·0 ins: over the eastern parts of the Mediterranean and southeastern Europe, and exceeding 29·9 ins: not only over Central Europe and Western Russia, but off our western and southwestern coasts only; (2) 30·25 ins: in the Azores. Lowest about 29·4 ins: in the Shetlands and below 29·6 ins: over the northeastern half of Scotland and the west and northwest of Norway. Rising later over the United Kingdom – especially in the west.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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DAILY WEATHER REPORT

for 8 a.m. on Friday, 24th June, 1898.

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

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)									PAST 24 HOURS.				
		Barom.	Temp.	Wind.			Barometer.		Temperature.			Wind.						Temp.		
		At 32° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)	Weather	At 32° Fahr. and M. S. L.	Change since Yesterday.	Dry Bulb.	Wet Bulb.	Change since Yesterday.	Direc.	Force (0 to 12.)	Weather.	Sea (0 to 9.)	Weather.	Hours of Bright Sunshine.	Max.	Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
Scandinavia	Haparanda ...	29.48	50	S	2	o	29.50	-.06	50	49	-3	S	2	o	#	o	#	55	48	0.16
	Hernösand ...	29.42	56	S	2	b	29.46	-.01	68	61	+5	NE	4	bc	#	b	#	59	50	-
	Stockholm ...	29.60	55	E	0	b	29.60	-.06	57	52	+1	SW	2	bc	#	b	#	64	48	-
	Wisby	29.66	55	SSW	4	b	29.71	+.06	53	51	-1	W	4	b	#	b	#	59	45	0.20
	Karlstad ...	29.57	55	SW	4	b	29.59	+.01	55	51	+1	SW	2	bc	#	b	#	#	#	-
	Bodö	29.48	52	N	6	b	29.49	.00	53	49	-1	NNE	1	c	0	b	#	55	37	-
	Christiansund ...	29.56	55	?	1	o	29.62	+.12	52	47	-1	NE	1	c	0	o	#	55	50	-
	Skudesnaes ...	29.67	53	E	0	c	29.65	+.11	52	50	+1	SSE	2	b	2	c	#	55	46	#
	Færder (Christiania Fjord)	29.52	54	SW	6	b	29.63	+.08	56	49	+2	W	1	b	2	b	#	56	50	-
	Skagen (The Scaw)	29.65	54	WSW	4	b	29.72	+.07	55	49	0	W	5	c	2	b	#	61	50	-
	Fanö	29.79	56	WSW	4	bc	29.80	+.08	56	52	+1	SW	4	o	#	bc	#	63	52	-
	Sumburgh Head	29.64	52	SSW	1	b	29.41	-.23	51	50	+1	SE	3	o	4	b,bc	#	54	46	-
	Stornoway ...	29.48	52	SW	5	r	29.28	-.42	53	52	+2	SSW	3	c	3	c.r	5.2	57	49	0.20
	Wick	29.59	54	S	3	o	29.32	-.35	55	54	+3	S	2	o	2	o	#	58	50	0.02
	Nairn	29.54	60	W	1	bc	29.31	-.40	57	55	+4	W	1	bc	1	bc,r	#	65	49	0.30
	Aberdeen ...	29.61	60	S	3	bc	29.34	-.39	63	57	+8	SW	3	bc	2	c,p,bc,r	7.5	63	49	0.21
	Leith	29.65	62	SSW	3	r	29.38	-.38	59	55	+1	WSW	2	om	#	r	#	65	52	0.04
	Shields	29.75	58	SW	2	o	29.45	-.32	57	56	+3	SW	3	op	2	p,c,r	#	63	51	0.20
	Spurn Head ...	29.83	59	WSW	3	c	29.59	-.21	61	58	+6	SW	4	c	3	c,r	#	63	53	0.06
	York	29.83	59	WSW	2	c	29.54	-.27	61	57	+6	SW	3	cp	#	c,p	6.3	64	52	0.12
	Loughborough ...	29.88	61	WSW	2	o	29.63	-.27	60	57	+5	SW	3	cu	#	bc,c,up	#	66	52	0.17
British Islands	Ardrossan ...	29.59	54	SSE	4	r	29.40	-.41	56	55	-3	SSW	3	o	3	c,r	#	61	53	0.43
	Malin Head ...	29.38	54	SSW	7	r,q	29.38	-.44	55	53	0	WSW	2	c	2	r,r,q	#	55	52	0.13
	Belmullet ...	29.54	57	WSW	4	om	29.45	-.37	56	54	+2	W	4	o	#	r,om	#	58	50	0.43
	Donaghadee ...	29.60	54	SSW	6	r	29.44	-.43	59	58	+4	SSW	3	c	2	r	#	62	53	0.34
	Liverpool (Bidston)	29.61	55	SSW	3	#	29.55	-.35	59	57	+6	SW	4	o	4	bc.r	#	60	52	0.42
	Holyhead ...	29.77	53	SSW	5	q,m,r	29.53	-.41	56	55	+1	SW	5	o	4	o,q,m,r	#	61	51	0.41
	Parsonstown ...	29.66	58	S	1	r	29.47	-.46	56	55	+2	SW	2	r	#	or	0.6	58	53	0.47
	Valencia ...	29.70	52	SW	5	o,m	29.55	-.41	56	53	0	WSW	3	cp	5	r,m,om	0.0	59	53	0.44
	Roche's Point ...	29.72	57	SW	6	r	29.56	-.44	57	55	0	WSW	4	c	4	r	#	59	54	0.20
	Pembroke (St. Ann's Hd.)	29.86	55	SW	6	r	29.61	-.42	56	55	+2	SW	5	o	5	c,r	6.6	58	54	0.36
	Scilly	29.96	59	SSW	5	r	29.69	-.38	61	60	+6	SW	8	cp	4	cp,r	4.7	64	53	0.16
	Prawle Point ...	30.00	56	SSW	5	c	29.73	-.31	55	55	-1	SSW	7	q,r	6	c,q,r	#	59	54	0.35
	Jersey (St. Aubin's)	30.09	60	WSW	5	bc	29.89	-.16	57	55	-3	SSW	5	o,q,p	4	bc,p	#	62	54	0.26
	Hurst Castle ...	30.00	59	SW	6	cu	29.76	-.22	57	56	-3	SW	6	q	4	c	#	64	55	0.06
	Dungeness ...	29.96	58	SW	5	c	29.81	-.12	54	54	-6	SSW	6	q	5	c	#	62	54	-
	North Foreland	29.95	60	SW	3	c	29.81	-.11	54	52	-2	S	4	o	3	c	#	65	52	0.02
	London (Brixton) ...	29.93	61	WSW	3	bc	29.76	-.19	56	55	-3	SW	3	or	#	bc,o,q,p	10.6	67	53	0.03
	Oxford	29.91	58	SW	3	o	29.69	-.27	58	56	+1	S	3	p	#	bc,o	#	66	53	0.03
	Cambridge ...	29.90	63	W	3	c	29.70	-.21	58	56	+2	SW	4	b	#	b,c,q	11.5	67	52	0.01
	Yarmouth ...	29.90	62	W	2	bc	29.72	-.13	57	55	+2	SW	5	c	3	p,bc	#	63	52	0.02
Germany & Holland	Cuxhaven ...	29.81	61	W	3	bc	29.87	+.12	54	53	-3	SSW	4	o	#	k,r,bc	#	63	50	0.12
	Berlin	29.86	56	W	3	b	30.02	+.28	57	52	-8	W	3	c	#	b	#	72	51	0.28
	Wiesbaden ...	#	#	#	#	#	30.06	+.23	56	53	-6	S	1	bc	#	#	#	81	49	-
	Munich	30.11	53	SW	4	o	30.15	+.20	59	55	+2	SE	1	b	#	o	#	64	48	0.91
	The Helder ...	29.90	56	W	2	b	29.78	-.01	55	53	-3	SW	5	r	2	b	#	61	55	0.04
Belgium.	Brussels ...	#	#	#	#	#	29.98	+.08	57	53	-1	SSW	1	o	#	b	#	66	46	-
	Cape Gris Nez ...	?	56	W	5	bc	?	?	55	52	0	SW	5	o	5	bc	#	59	52	-
	Paris	30.07	65	W	2	bc	30.02	+.03	57	53	-2	SSW	2	bc	#	bc	#	69	47	-
	Brest	30.11	59	SW	3	bc	29.90	-.20	57	?	+2	SW	4	r	3	bc	#	66	52	0.12
	Lorient	30.14	59	W	4	b	29.93	-.18	56	56	-1	WSW	6	r	5	b	#	70	55	0.12
France &	Rochefort ...	30.16	63	NW	4	b	30.09	-.01	60	57	+2	SSW	2	c	#	b	#	66	54	-
	Belfort	30.07	63	WSW	3	c	30.09	+.19	57	53	?	E	0	m	#	c	#	67	47	0.04
	Lyons	30.11	66	NW	1	b	30.08	+.10	59	52	-1	NNW	1	b	#	b	#	68	49	0.04
	Nice	29.84	71	E	0	bc	29.97	+.11	66	63	0	SW	1	c	2	bc	#	77	59	-
	Perpignan ...	30.10	69	W	3	c	30.11	+.15	66	59	0	W	2	c	#	c	#	76	57	-
	Biarritz ...	30.15	64	N	3	b	30.06	-.03	62	57	-1	E	3	b	2	b	#	68	54	-
Peninsula.	Corunna ...																#			
	Lisbon	30.10	62	NNW	6	b	30.10	-.01	63	57	0	NNW	5	b	#	b	#	72	59	-
	Azores (P. Delgada)	30.34	64	ESE	2	bc	30.28	-.07	66	60	-1	NNE	1	b	2	bc	#	73	59	-

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

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

Bright Sunshine yesterday Southport 7.3 hrs;

WEATHER CHARTS

FOR Friday, 24th June, 1898

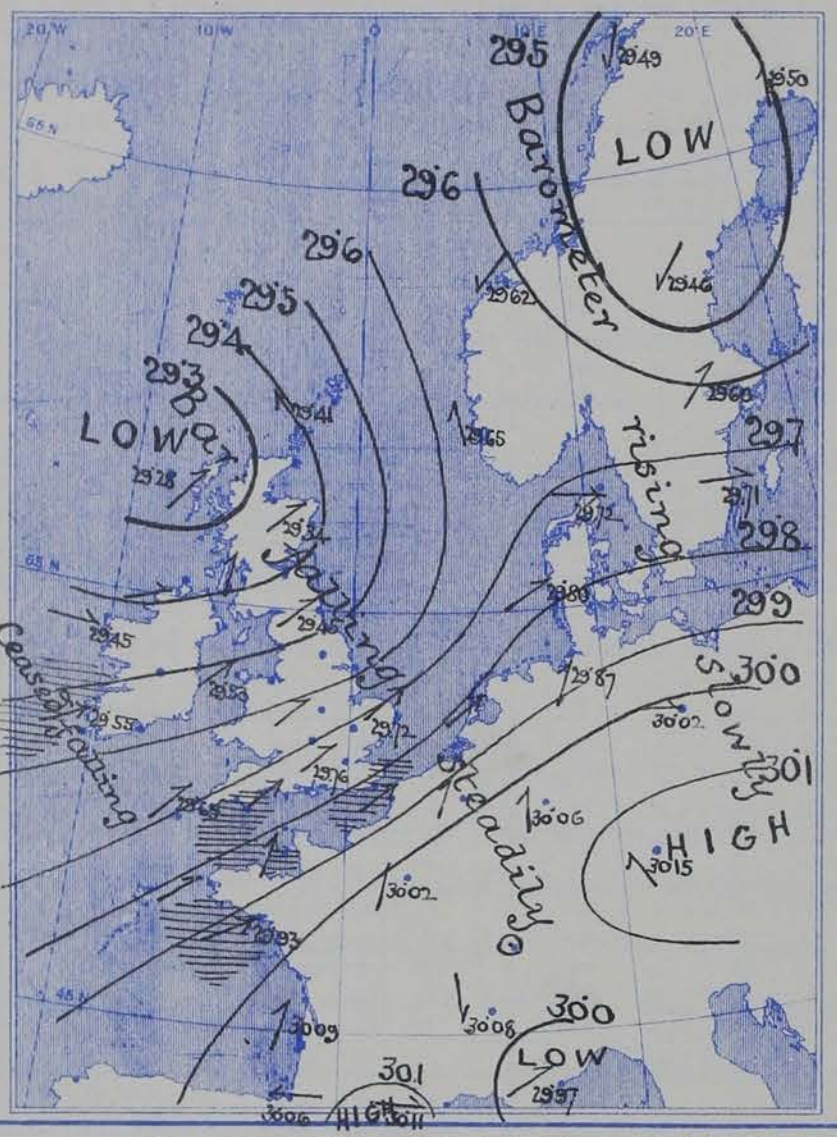
BAROMETER, WIND AND SEA.

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

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

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

SEA—Rough ; *High*

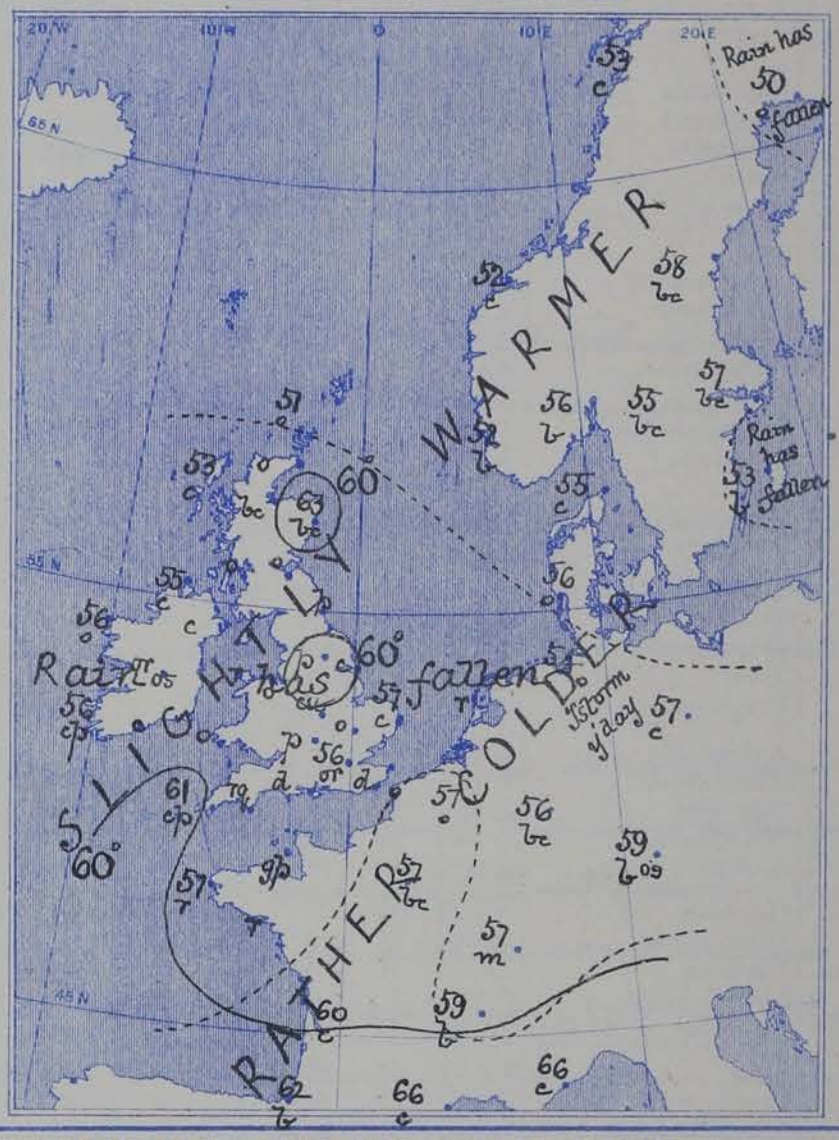


TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

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



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

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of				Absolute Extremes.				RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95.	
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum	Years.	Minimum.	Years		Hours.	Per cent. of possible.
	(*Inches.*)	°	°	°	°	°		°		(*Inches.*)		
Sumburgh Head	29 · 898	50 · 5	48 · 7	54 · 6	45 · 0	70	1891	33	1888	1 · 93	—	—
Stornoway	29 · 894	53 · 4	51 · 4	58 · 2	46 · 0	76	1893	31	1888	2 · 76	185 · 1	35
Wick	29 · 916	53 · 4	50 · 8	58 · 9	45 · 5	79	1878	30	1881	1 · 75	—	—
Nairn	29 · 917	54 · 4	51 · 0	62 · 3	47 · 3	86	1876	30	1888	1 · 73	—	—
Aberdeen	29 · 933	54 · 8	50 · 8	61 · 0	47 · 2	80	1881, 87	30	1888	1 · 80	196 · 5	37
Leith	29 · 943	55 · 9	52 · 3	63 · 9	48 · 0	86	1887	34	1886	1 · 79	—	—
Shields	29 · 959	54 · 9	51 · 8	60 · 6	48 · 5	76	1878, 84	37	1881, 86, 95	1 · 71	—	—
Spurn Head	29 · 971	55 · 3	52 · 8	60 · 3	51 · 1	80*	1885	34*	1881	1 · 64	—	—
York	29 · 979	56 · 1	52 · 7	66 · 2	48 · 4	88	1878	35	1894	2 · 21	173 · 0	34
Loughborough	29 · 991	57 · 7	53 · 8	68 · 6	48 · 8	86*	1893	32*	1895	2 · 20	—	—
Ardrossan	29 · 944	55 · 3	52 · 3	62 · 1	49 · 4	85	1878	36	1890	2 · 32	—	—
Malin Head	29 · 934	53 · 6	51 · 2	59 · 0	50 · 8	—	—	—	—	—	—	—
Belmullet	29 · 953	56 · 2	53 · 2	60 · 8	51 · 4	—	—	—	—	2 · 85	—	—
Donaghadee	29 · 959	55 · 1	53 · 0	61 · 5	49 · 7	77	1887	36	1880	2 · 03	—	—
Holyhead	29 · 976	55 · 9	53 · 4	61 · 7	51 · 3	83	1878	42	1882	1 · 97	—	—
Liverpool	29 · 976	57 · 0	52 · 8	64 · 0	51 · 1	85	1878, 93	38	1872	1 · 99	—	—
Parsonstown	29 · 981	56 · 2	52 · 9	64 · 9	48 · 5	85	1887	32	1881	2 · 34	173 · 7	35
Valencia	29 · 984	57 · 4	54 · 5	62 · 5	51 · 2	81	1887	40	1875, 80, 82	3 · 34	203 · 4	41
Roche's Point	29 · 983	57 · 0	53 · 8	64 · 3	51 · 3	80	1876, 87	41	1881	3 · 07	—	—
Pembroke	29 · 983	55 · 4	53 · 4	60 · 5	51 · 6	79	1893	38	1888	1 · 88	234 · 7	48
Scilly	30 · 002	57 · 5	55 · 3	61 · 5	53 · 2	75	1893	41	1888	1 · 76	—	—
Prawle Point	30 · 010	57 · 1	54 · 7	61 · 7	50 · 7	79*	1887	39*	1881	1 · 59	—	—
Jersey	30 · 019	59 · 0	55 · 9	64 · 9	52 · 8	87	1872	39	1890	1 · 86	243 · 1	51
Hurst Castle	30 · 007	57 · 9	55 · 7	64 · 6	52 · 0	84	1893	38	1881	1 · 83	—	—
Dover	29 · 989	58 · 2	55 · 0	63 · 0	52 · 3	77	1878	37	1890, 91, 92, 93	1 · 52	—	—
LONDON	30 · 001	58 · 9	54 · 6	69 · 2	50 · 6	91	1878	35	1880	1 · 99	167 · 4†	34†
Oxford	29 · 996	56 · 8	53 · 3	67 · 1	49 · 9	86	1876, 93	35	1892, 93	2 · 11	192 · 1	39
Cambridge	29 · 994	58 · 1	54 · 7	68 · 8	48 · 4	88	1888, 93	33	1892	2 · 14	195 · 3	40
Yarmouth	29 · 983	56 · 8	54 · 0	61 · 9	51 · 0	81	1877, 88	40	1892	1 · 86	—	—

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

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·1 in: and more to 29·9 in: over Germany and France.
Lowest, Below 29·5 in: over the northern half of Scandinavia, and below 29·3 in: in the Hebrides.
Gradients rather steep to moderate.
Barometer falling in most places, but shows a tendency to rise again in the extreme southwest.

TEMPERATURE

Highest, 66° in the south of France, 62° at Biarritz; 63° at Aberdeen, 61° at Scilly and York.
Lowest, Below 60° in most parts of our Islands and Scandinavia, and as low as 53° at Stornoway.
The thermometer did not reach 70° at any of our stations yesterday, nor did it touch 60° over the most northern part of Scotland and Ireland.
At Nice, however, the maximum was 77°.

WIND

SW over our Islands generally, and strong in force at our southern stations and over the Channel, moderate to light in Scotland.
A moderate to fresh gale has been felt on several parts of our western and northern coasts during the night.

WEATHER

Fair in the north, cloudy and showery elsewhere, and unsettled over our Islands and their neighbourhood generally.
Fine over France, Germany and Sweden.
Rain has fallen almost everywhere in our Islands,— in Ireland the falls were 0·4 in:.
Bright Sunshine recorded yesterday amounted to between 10 and 13 hrs over the southern parts of England, but was less elsewhere. In Ireland there was hardly any.

SEA

Rough at Prawle Point; rather rough at some of our other southwestern and southern stations, moderate on our western coasts and at Pembrey Head

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Showery changeable weather (some bright intervals) seems likely to prevail in our Islands at present, but no bad gale.

FORECASTS

For the 24 hours ending at NOON on 25th JUNE 1893

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	S½W and SW½W winds, fresh; squally, showery.
1	SCOTLAND EAST	
2	ENGLAND N.E.	
3	ENGLAND EAST	SW½W winds, fresh to moderate; showery.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	SW½W and W½W breezes, fresh; rain at times.
7	ENGLAND N.W.	Same as Nos 3 to 5.
8	ENGLAND S.W.	
9	IRELAND NORTH	W½W to SW½W breezes, moderate; weather changeable, some rain.
10	IRELAND SOUTH	
	WARNINGS	At 3·40 pm yesterday to districts 0, 6, 7, 9 and 10 "Hoist South Cone". At 11·15 am today to same districts "Lower Cone"

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29.63	55	51	NW	4	c	2
Sumburgh Head	29.65	53	49	NW	2	b	3
Stornoway	29.61	57	51	SW	4	c	4
Aberdeen	29.72	56	52	SE	3	bc	3
Shields	29.79	61	53	WSW	2	c	2
Ardrossan	29.74	55	55	SSE	3	c	3
Malin Head ...	29.61	55	54	SW	6	r	4
Belmullet	29.58	58	56	SSW	5	r	*
Holyhead	29.91	57	53	SW	4	o	3
Valencia	29.76	57	57	S	5	rm	6
Scilly	30.05	63	59	WSW	4	cp	3
Jersey	30.12	62	55	WNW	4	bc	3
Hurst Castle ...	30.02	60	56	WSW	4	c	3
Dungeness ...	29.96	59	56	WSW	5	c	4
North Foreland	29.97	63	53	W	2	c	2
London (Westminster)	29.96	66	56	WSW	3	bc	*
Yarmouth ...	29.89	62	55	W	4	bo	3
Rochefort ...	30.17	66	63	NW	4	b	*

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

Weather in morning fine over the greater part of our Islands and the north and east of France, as well as over the greater part of Russia, very changeable elsewhere, raining in the northern parts of Finland and in Switzerland, and becoming unsettled over Ireland also. Rain falling later in all parts of our Islands (0·4 in. to 0·5 in. over Ireland), and as much as 0·9 in. reported at Munich. Thunderstorm reported at Cuxhaven. Becoming squally and unsettled over our Islands generally. [Newspapers report a severe thunderstorm over Germany on Wednesday night].

Temperature falling over Western Europe generally. Morning readings highest 83° at Pisaro, 82° at Algiers, and much above 70° at many of the Mediterranean and Adriatic stations; 60° at Lyons, 59° at Paris and in London; 65° to 70° over the greater part of Germany. Lowest 49° at Archangel, 50° at Sumburgh Hd. 51° at Stornoway, and below 55° over the most northern districts generally. Failing to reach 70° in any part of our Islands and the north of France later, but touching 72° at Berlin, 77° at Metz, and 81° at Wiesbaden.

Wind somewhat variable in direction, but NW. to W. over England and France; SE. to S. over Germany and the Baltic, and very variable over Southern Europe and the Mediterranean. Becoming strong to a gale in force from S. and SW. in many parts of the United Kingdom later.

Barometer highest 30·1 in. and more to 29·9 in. both over southwestern and southeastern Europe. Lowest 29·5 in. and less, in a depression over the northern half of Scandinavia; — an irregular "hollow" covering the Baltic and Germany. Falling fast over the United Kingdom later as a new depression advanced over our western and northern districts from the Atlantic.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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

DAILY WEATHER REPORT

for 8 a.m. on Saturday, 25th June, 1898.

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

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb.	Temperature. Wet Bulb.	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max.	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
Scandinavia	Haparanda ...	29.52	52	NW	0	0	29.48	-.02	51	51	+1	NW	2	r	*	0	*	59	45	0.08
	Hernösand ...	29.56	55	W	2	bc	29.61	+.15	57	48	-1	W	4	b	*	bc	*	64	46	0.12
	Stockholm ...	29.69	60	E	2	b	29.71	+.11	54	50	-3	SW	2	0	*	b	*	64	?	0.08
	Wisby	29.80	57	W	4	b	29.80	+.09	57	54	+4	SSW	8	c	*	b	*	61	50	-
	Karlstad ...	29.69	55	SSW	6	0	29.63	+.04	57	55	+2	SSW	4	0	*	0,r	*	*	*	0.16
	Bodö	29.62	50	NNE	1	0	29.63	+.14	52	48	-1	N	2	0	1	0	*	54	37	-
	Christiansund ...	29.64	55	NE	4	b	29.60	-.02	54	49	+2	ENE	4	b	2	b	*	55	50	-
	Skudesnaes ...	29.51	55	SW	4	0	29.50	-.15	55	52	+3	E	2	m	3	0	*	55	48	*
	Færder (Christiania Fjord)	29.63	53	SSE	2	r	29.62	-.01	55	51	-1	NW	0	0	3	r	*	57	52	0.35
	Skagen (The Scaw)	29.61	55	SSW	5	r	29.63	-.09	57	57	+2	SSW	2	0	0	r	*	63	54	0.35
	Fanö	29.68	55	SW	5	0	29.61	-.19	57	56	+1	SSW	5	0	*	0	*	57	54	0.04
British Islands	Sumburgh Head	29.34	51	ESE	3	f	29.38	-.03	50	50	-1	ENE	2	f	4	r,f	*	52	47	0.04
	Stornoway ...	29.30	56	E	1	0	29.31	+.03	51	51	-2	NE	3	r	3	0	0.6	59	49	0.30
	Wick	29.35	58	SE	1	c	29.31	-.01	52	52	-3	NW	0	r	1	c	*	61	50	0.25
	Nairn	29.28	57	W	1	r	29.28	-.03	58	54	+1	W	1	c	1	r	*	65	48	0.26
	Aberdeen ...	29.31	57	S	3	bc	29.31	-.03	58	52	-5	SW	2	bc	2	p,bc,r	3.6	66	50	0.23
	Leith	29.29	62	W	0	r	29.32	-.06	58	53	-1	SW	1	c	*	r	*	67	48	0.09
	Shields	29.37	63	SSW	2	c	29.36	-.09	56	53	-1	SW	3	c	2	p,c	*	67	49	0.10
	Spurn Head ...	29.44	62	SW	4	c	29.44	-.15	58	55	-3	SSW	4	bc,p,t	4	c	*	69	50	0.21
	York	29.44	61	S	4	cp	29.40	-.14	56	53	-5	S	2	bc,p	*	cp	4.0	69	47	0.03
	Loughborough ...	29.50	61	SW	4	c	29.45	-.18	55	52	-5	SW	3	cv	*	bc,t,c,0	*	71	48	-
	Ardrossan ...	29.30	55	S	2	p	29.35	-.05	57	54	+1	SSW	2	bc	2	om,p	*	60	51	0.11
	Malin Head ...	29.33	51	W	2	p	29.34	-.04	54	51	-1	W	2	b	2	bc,p	*	56	46	0.03
	Belmullet ...	29.45	54	W	3	c	29.45	.00	52	50	-4	NNW	2	0	*	c	*	57	45	0.35
	Donaghadee ...	29.35	57	NSW	4	cp	29.35	-.09	52	50	-7	NNE	3	c	1	cp	*	64	44	0.17
	Liverpool (Bidston)	29.45	57	SW	3	d	29.38	-.17	57	53	-2	SSE	2	c	2	c,p	*	65	49	0.13
	Holyhead ...	29.43	54	SW	4	cp	29.34	-.19	50	49	-6	SW	2	gm,r	1	cp	*	59	48	0.12
	Parsonstown ...	29.43	58	W	2	bc	29.40	-.07	51	49	-5	W	1	cp	*	cp	3.6	59	46	0.47
	Valencia ...	29.50	56	NSW	5	0	29.49	-.06	53	49	-3	NW	4	cp	5	cp,0	4.9	58	49	0.22
	Roche's Point ..	29.51	58	W	4	bc	29.45	-.11	55	51	-2	NNW	5	bc	4	bc,q	*	60	48	0.02
	Pembroke (St. Ann's Hd.)	29.51	56	SW	6	0	29.40	-.21	53	50	-3	NW	6	bc	5	c,q,p	4.0	58	50	0.11
	Scilly	29.64	58	NSW	5	cp	29.51	-.18	58	56	-3	W	5	0,q,r	4	cp	5.5	64	51	0.25
	Prawle Point ...	29.64	56	SSW	4	c	29.52	-.21	54	52	-1	NSW	6	cp	5	cp	*	59	52	0.37
	Jersey (St. Aubin's)	29.74	59	SW	4	cp	29.63	-.26	58	55	+1	NSW	6	bc	5	0,p,m	*	61	?54	0.59
	Hurst Castle ...	29.63	58	SW	6	om	29.54	-.22	57	55	0	SW	5	cp	3	p,om	*	59	55	0.09
	Dungeness ...	29.66	56	SSW	6	rq	29.54	-.27	57	56	+3	SSW	5	c	4	r,rq	*	58	54	0.19
	North Foreland	29.69	56	S	4	0	29.55	-.26	58	54	+4	SW	3	c	2	r,0	*	63	54	0.26
	London (Brixton) ...	29.61	58	W	3	0	29.53	-.23	54	52	-2	SW	2	cp	*	or,bc,0	0.1	61	52	0.17
	Oxford	29.57	56	SW	2	r	29.48	-.21	56	52	-2	SSW	3	cv	*	sr,0	*	66	49	0.41
	Cambridge ...	29.58	59	SW	3	r	29.50	-.20	57	54	-1	SSW	3	c	*	c,r	2.0	67	49	0.26
	Yarmouth	29.60	60	SW	5	cq	29.51	-.21	59	54	+2	SW	4	bc	3	p,cq	*	61	52	0.07
Germany & Holland.	Cuxhaven ...	29.78	56	SW	5	r	29.68	-.19	56	56	+2	SSW	5	r	*	r	*	61	52	0.16
	Berlin	29.88	64	N	0	c	29.82	-.20	62	57	+5	S	1	0	*	c	*	70	57	-
	Wiesbaden ...	*	*	*	*	*	29.84	-.22	60	56	+4	SW	1	c	*	*	*	70	56	-
	Munich	29.97	59	SE	3	c	29.96	-.19	62	57	+3	SE	1	bc	*	c	*	68	54	-
	The Helder ...	29.67	57	SW	5	0	29.57	-.21	60	57	+5	SW	4	c	2	0	*	60	54	0.16
Belgium.	Brussels ...	*	*	*	*	*	29.67	-.31	55	54	-2	SW	6	0	*	0	*	62	53	-
	Cape Gris Nez ...	?	58	SW	5	0	?	?	56	55	+1	NSW	5	0	5	0	*	59	52	0.39
	Paris	29.89	63	SW	4	0	29.74	-.28	56	55	-1	SSW	3	r	*	0	*	67	53	-
	Brest	29.77	58	SW	4	0	29.65	-.25	55	52	-2	NSW	4	c	4	0	*	59	50	0.20
	Lorient	29.82	57	SW	6	r	29.71	-.22	58	58	+2	W	4	bc	5	r	*	63	54	0.28
France &	Rochefort ...	29.99	59	NSW	3	r	29.86	-.23	61	59	+1	W	4	0	*	c,r	*	68	55	0.12
	Belfort	29.91	60	NSW	2	0	29.85	-.24	60	55	+3	NSW	1	0	*	0	*	72	50	-
	Lyons	29.94	69	SE	1	0	29.93	-.15	59	54	0	S	1	r	*	0	*	74	59	-
	Nice	29.97	66	S	2	r	29.93	-.04	65	62	-1	W	0	bc	1	r	*	73	55	-
	Perpignan ...	29.99	73	W	0	b	29.92	-.19	64	63	-2	NE	2	0	*	b	*	77	56	-
	Biarritz ...	30.00	65	NW	3	0	29.93	-.13	65	57	+3	SSW	2	c	2	0	*	70	59	-
Peninsula.	Corunna ...																*			
	Lisbon	30.14	61	NNE	4	b	30.11	+.01	64	58	+1	NNE	4	bc	*	b	*	73	59	-
	Azores (P. Delgada)	30.26	66	W	1	bc	30.23	-.05	66	64	0	N	1	c	2	bc	*	72	64	-

For Explanation of Columns, see bottom of last page.

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

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

Bright Sunshine yesterday Southport 3·3 hrs.

WEATHER CHARTS

FOR Saturday, 25th June, 1898

BAROMETER, WIND AND SEA.

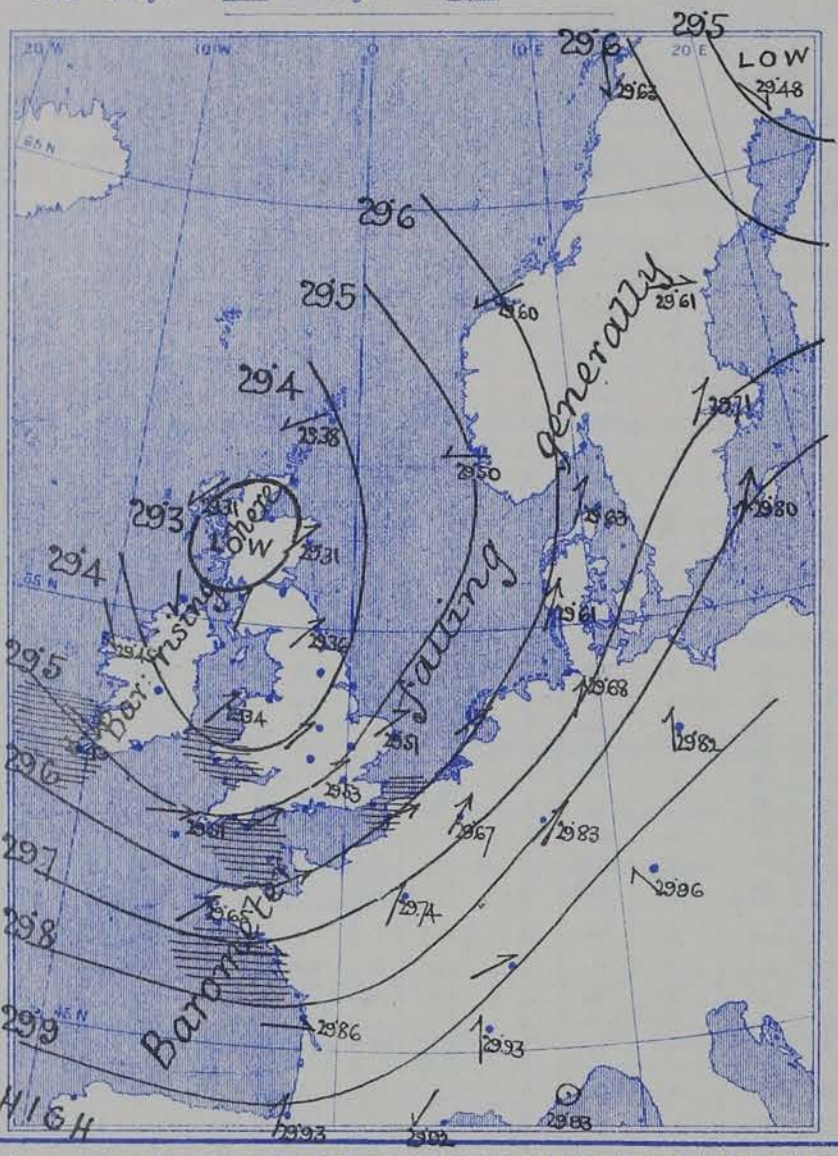
BAROMETER—Isobars are drawn for each tenth of an inch.

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

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

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

SEA—Rough ▤ ; *High* ▨

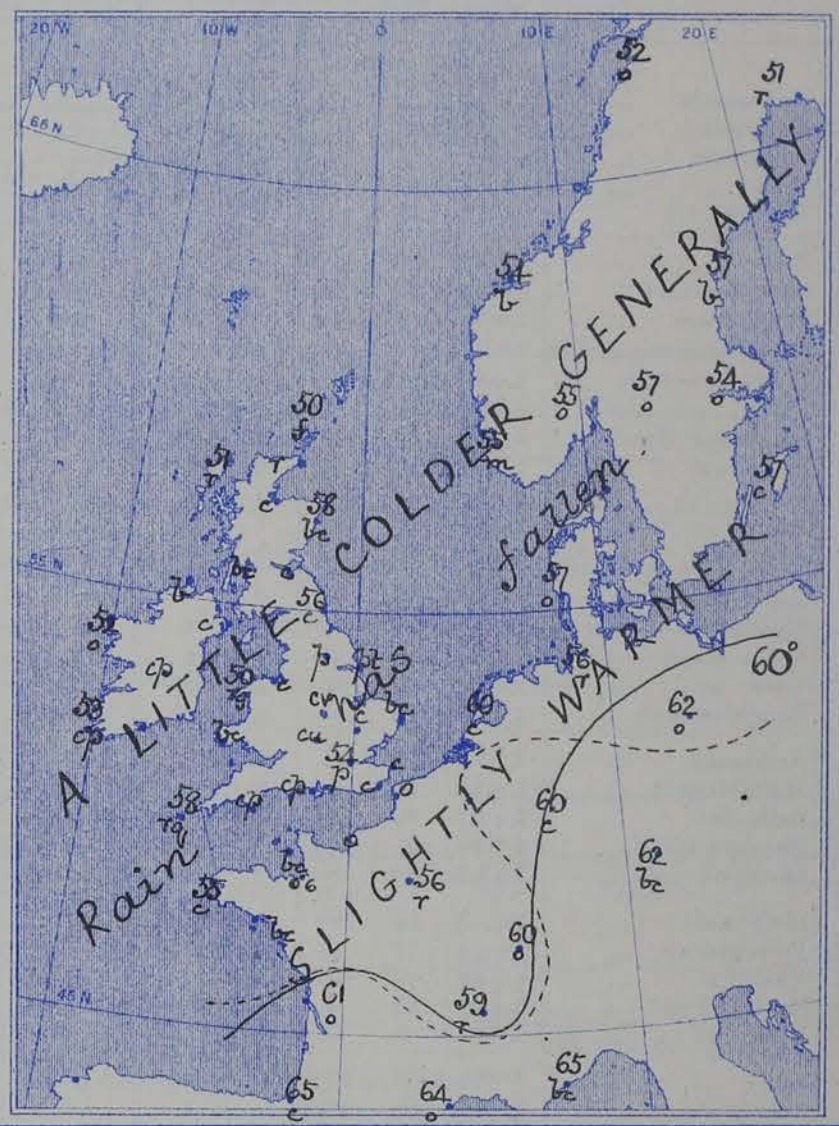


TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

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



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

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of				Absolute Extremes.				RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95.	
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum	Years.	Minimum.	Years.		Hours.	Per cent. of possible.
	(*Inches.*)	°	°	°	°	°		°		(*Inches.*)		
Sumburgh Head	29·898	50·5	48·7	54·6	45·0	70	1891	33	1888	1·93	—	—
Stornoway	29·894	53·4	51·4	58·2	46·0	76	1893	31	1888	2·76	185·1	35
Wick	29·916	53·4	50·8	58·9	45·5	79	1878	30	1881	1·75	—	—
Nairn	29·917	54·4	51·0	62·3	47·3	86	1876	30	1888	1·73	—	—
Aberdeen	29·933	54·8	50·8	61·0	47·2	80	1881, 87	30	1888	1·80	196·5	37
Leith	29·943	55·9	52·3	63·9	48·0	86	1887	34	1886	1·79	—	—
Shields	29·959	54·9	51·8	60·6	48·5	76	1878, 84	37	1881, 86, 95	1·71	—	—
Spurn Head	29·971	55·3	52·8	60·3	51·1	80*	1885	34*	1881	1·64	—	—
York	29·979	56·1	52·7	66·2	48·4	88	1878	35	1894	2·21	173·0	34
Loughborough	29·991	57·7	53·8	68·6	48·8	86*	1893	32*	1895	2·20	—	—
Ardrossan	29·944	55·3	52·3	62·1	49·4	85	1878	36	1890	2·32	—	—
Malin Head	29·934	53·6	51·2	59·0	50·8	—	—	—	—	—	—	—
Belmullet	29·953	56·2	53·2	60·8	51·4	—	—	—	—	2·85	—	—
Donaghadee	29·959	55·1	53·0	61·5	49·7	77	1887	36	1880	2·03	—	—
Holyhead	29·976	55·9	53·4	61·7	51·3	83	1878	42	1882	1·97	—	—
Liverpool	29·976	57·0	52·8	64·0	51·1	85	1878, 93	38	1872	1·99	—	—
Parsonstown	29·981	56·2	52·9	64·9	48·5	85	1887	32	1881	2·34	173·7	35
Valencia	29·984	57·4	54·5	62·5	51·2	81	1887	40	1875, 80, 82	3·34	203·4	41
Roche's Point	29·983	57·0	53·8	64·3	51·3	80	1876, 87	41	1881	3·07	—	—
Pembroke	29·983	55·4	53·4	60·5	51·6	79	1893	38	1888	1·88	234·7	48
Scilly	30·002	57·5	55·3	61·5	53·2	75	1893	41	1888	1·76	—	—
Prawle Point	30·010	57·1	54·7	61·7	50·7	79*	1887	39*	1881	1·59	—	—
Jersey	30·019	59·0	55·9	64·9	52·8	87	1872	39	1890	1·86	243·1	51
Hurst Castle	30·007	57·9	55·7	64·6	52·0	84	1893	38	1881	1·83	—	—
Dover	29·989	58·2	55·0	63·0	52·3	77	1878	37	1890, 91, 92, 93	1·52	—	—
LONDON	30·001	58·9	54·6	69·2	50·6	91	1878	35	1880	1·99	167·4†	34†
Oxford	29·996	56·8	53·3	67·1	49·9	86	1876, 93	35	1892, 93	2·11	192·1	39
Cambridge	29·994	58·1	54·7	68·8	48·4	88	1888, 93	33	1892	2·14	195·3	40
Yarmouth	29·983	56·8	54·0	61·9	51·0	81	1877, 88	40	1892	1·86	—	—

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

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·1 ins: and more to 29·9 ins: over the Iberian Peninsula, and exceeding 29·9 ins: over all the southern parts of France and Germany.
Lowest, Below 29·3 ins: over Scotland, and below 29·4 ins: over the Irish Sea and North Wales.
Gradients moderate, distribution cyclonic and complex.
Barometer beginning to rise again in the extreme west.

TEMPERATURE

Highest, 65° to 64° in the southwest and south of France, 62° at Berlin, 59° at Yarmouth, 58° at Scilly.
Lowest, 50° at Sumburgh Head and Holyhead, 51° at several other of the northern and western stations.
The maxima recorded in our Islands yesterday varied much locally; that at Loughborough was 71°, in London only 61°, but at Aberdeen 66°.
At Paris the maximum was 67°, at Berlin 70°, at Lyons 74°.

WIND

Cyclonic – the circulation being very complete. It is light NE$^{\frac{1}{2}}$ at our most northern stations, N$^{\frac{1}{2}}$ and NW$^{\frac{1}{2}}$ in the west, SW$^{\frac{1}{2}}$ and strong in the Channel, and S$^{\frac{1}{2}}$ on our east coast.

WEATHER

Very changeable over the British Islands and their neighbourhood with sharp showers at times, and occasional thunder and hail.
Bright Sunshine yesterday ranged from 4 to 5½ hours in Ireland and the southwest of England, but was less elsewhere. At several of our southeastern stations there was none.

SEA

Still rather rough at several of the southwestern and southern stations, moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Showery weather is probable today over all districts and some thunder locally. A tendency towards improvement is shown for tomorrow.

FORECASTS

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

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	Varying to NE$^{\frac{1}{2}}$ winds, light; showery today, some thunder, fairer tomorrow.
1	SCOTLAND EAST	
2	ENGLAND N.E.	S$^{\frac{1}{2}}$ to W$^{\frac{1}{2}}$ winds, light to moderate; showers and thunder today, somewhat finer tomorrow.
3	ENGLAND EAST	
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	NW$^{\frac{1}{2}}$ breezes; showery, cool, improving tomorrow.
7	ENGLAND N.W.	
8	ENGLAND S.W.	
9	IRELAND NORTH	
10	IRELAND SOUTH	
	WARNINGS	NONE ISSUED.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29.57	55	52	SSE	6	o	3
Sumburgh Head	29.35	49	49	ESE	4	r	5
Stornoway	29.30	50	51	SW	3	c	3
Aberdeen	29.33	65	51	SW	2	c	2
Shields	29.42	66	58	SW	3	c	2
Ardrossan	29.33	57	56	SSW	4	o	3
Malin Head ...	29.33	50	49	W	3	bc	2
Belmullet	29.43	55	51	W	4	c	*
Holyhead	29.46	57	55	SW	6	cmpl	4

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	29.53	58	53	SW	6	cp	6
Scilly	29.68	63	60	WSW	4	cp	4
Jersey	29.77	60	59	SW	4	o	4
Hurst Castle ...	29.72	58	57	SSW	6	pr	4
Dungeness ...	29.73	55	55	SSW	6	r	5
North Foreland	29.75	56	55	SSW	4	r	3
London (Westminster)	29.67	60	58	W	4	o	*
Yarmouth ...	29.64	60	58	SW	4	c	4
Rochefort ...	30.04	63	59	W	4	c	*

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

Weather in morning becoming very changeable and unsettled all over the British Islands and their neighbourhood; rain falling in many parts of Ireland. England, the north of France and the Netherlands, as well as at St Petersburg and some parts of Central Europe, but very fine conditions prevalent over southern Europe and the Mediterranean. Rain falling later over the northwestern countries very generally, and thunder occurring in some parts of England.

Temperature fallen fast over the north and east of Germany and the Baltic Provinces, changing fitfully over the United Kingdom. Morning readings highest 79° at Patras, 75° at Algiers and Barcelona; exceeding 60° in the south and southwest of France and the south of Russia. Lowest 51° at Lerwick &c. 52° at Christiansund and Skudesnaes, and below 60° over the most northern countries generally. Maxima recorded during the day varying greatly: ~~from~~ touching 69° at York, 71° at Spurn Head, but only 61° in London, 58° at Pembroke and Valencia. Rising to 67° at Paris, 70° at Berlin, 72° at Berlin and 77° at Perpignan.

Wind (1) SW and strong over Ireland and England, S to SE and moderate in the north of Scotland, NE and variable on the coast of Norway; (2) a separate cyclonic circulation observed over Sweden and the Gulf of Bothnia; (3) light and anticyclonic breezes over Spain, France, and the Mediterranean. Veering more to the W over England later, but continuing strong in most places.

Barometer highest 30·1 ins: and more to 29·9 ins: over Spain, the Mediterranean, France, and Germany. Lowest, Below 29·5 ins: in a depression over the northern half of Scandinavia, and 29·3 ins: and less to 29·4 ins: over the northwestern and northern parts of the United Kingdom. A definite depression being formed over Scotland later and spreading southwards.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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DAILY WEATHER REPORT

for 8 a.m. on Sunday 26th June, 1898.

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

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb.	Temperature. Wet Bulb.	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max.	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
Scandinavia.	Haparanda ...	29.63	45	NW	2	c	29.69	+ .21	48	47	− 3	NE	4	r	*	c	*	55	45	0.20
	Hernösand ...	29.65	55	SW	4	b	29.71	+ .10	63	55	+ 6	S	4	bc	*	b	*	63	45	—
	Stockholm ...	29.73	57	SW	2	o	29.75	+ .04	65	59	+ 11	2	o	bc	*	o	*	66	52	—
	Wisby	29.79	57	SSW	4	bc	29.82	+ .02	66	58	+ 9	S	4	b	*	bc	*	66	50	—
	Karlstad ...	29.69	57	S	2	o	29.73	+ .10	58	55	+ 1	S	4	o	*	o	*	*	*	0.39
	Bodö	29.69	49	NNE	4	o	29.76	+ .13	48	43	— 4	N	2	o	1	o	*	54	46	—
	Christiansund ...	29.66	55	NE	5	b	29.76	+ .16	52	49	— 2	NE	4	bc	3	b	*	61	50	—
	Skudesnaes ...	29.60	55	2	o	o	29.71	+ .21	56	55	+ 1	2	o	o	2	to	*	56	50	+
	Færder (Christiania Fjord)	29.65	57	S	2	r	29.71	+ .07	59	53	+ 4	W	1	bc	1	r	*	57	54	0.35
	Skagen (The Scaw)	29.65	55	SSW	1	r	29.72	+ .09	56	56	— 1	ESE	1	mr	0	r	*	59	54	0.32
	Fanö	29.62	57	S	4	c	29.66	+ .05	56	56	— 1	S	2	c	*	c	*	64	52	—
	Sumburgh Head	29.48	50	ENE	3	r	29.73	+ .35	50	49	0	NE	4	o	5	r	*	51	48	0.16
	Stornoway ...	29.46	53	ENE	4	rm	29.76	+ .45	52	51	+ 1	ENE	4	o	4	o.rm	0.0	54	49	1.23
	Wick	29.52	53	E	1	bc	29.75	+ .44	52	51	0	2	o	f	0	bc	*	61	43	—
	Nairn	29.41	58	E	1	bc	29.73	+ .45	53	51	— 5	E	2	c	2	bc	*	65	49	—
	Aberdeen ...	29.43	54	SSE	2	bcq	29.70	+ .39	55	52	— 3	N	3	bc	2	bcq	11.0	61	48	—
	Leith	29.39	61	SW	2	c	29.70	+ .38	57	54	— 1	NE	3	cm	*	c	*	65	50	—
	Shields	29.41	56	SE	2	c	29.60	+ .24	55	54	— 1	NE	2	o	2	p.c.r	*	61	51	0.08
	Spurn Head ...	29.40	55	SE	3	c	29.54	+ .10	59	55	+ 1	ESE	2	bc	2	ptl.c	*	61	50	0.28
	York	29.39	55	N	2	o	29.56	+ .16	56	52	0	N	1	c	*	t.op	3.8	62	45	0.22
	Loughborough ...	29.41	63	SW	2	bc	29.52	+ .07	57	53	+ 2	ESE	1	cm	*	op.bc.c	*	65	46	0.01
British Isl.	Ardrossan ...	29.38	57	SSW	2	bc	29.66	+ .31	60	56	+ 3	NNE	4	cm	2	bc	*	60	49	—
	Malin Head ...	29.42	55	N	4	bcp	29.72	+ .35	55	54	+ 1	N	3	b	3	bcp	*	58	52	0.22
	Belmullet ...	29.59	55	N	4	op	29.80	+ .35	54	52	+ 2	N	5	o	*	op	*	56	47	0.25
	Donaghadee ...	29.42	59	E	2	b	29.64	+ .29	58	55	+ 6	NNE	3	b	1	b	*	59	49	—
	Liverpool (Bidston)	29.39	54	W	1	c	29.56	+ .18	54	52	— 3	N	1	o	1	cp	*	59	49	0.30
	Holyhead ...	29.42	53	N	2	cp	29.57	+ .23	53	52	+ 3	NNE	2	omp	1	cp	*	62	48	0.02
	Parsonstown ...	29.49	53	NW	1	r	?29.64	+ .24	58	54	+ 7	NW	1	bc	*	cp.or	3.4	59	50	0.85
	Valencia ...	29.63	57	NNW	5	cq	29.75	+ .26	56	54	+ 3	N	6	opq	5	cpq.cq	9.9	59	51	0.06
	Roche's Point ..	29.54	54	NNW	5	p	29.67	+ .22	56	52	+ 1	N	4	b	3	p	*	58	51	0.22
	Pembroke (St. Ann's Hd.)	29.45	55	NW	5	bc	29.57	+ .17	56	53	+ 3	NNW	3	b	4	bc	10.4	57	50	—
	Scilly	29.55	56	WNW	5	cp	29.58	+ .07	55	54	— 3	NW	5	r	4	cp	7.5	60	53	0.32
	Prawle Point ...	29.50	56	WSW	4	bc	29.54	+ .02	58	56	+ 4	NW	3	bc	3	p.bc	*	58	50	0.01
	Jersey (St. Aubin's)	29.59	59	SW	5	bc	29.57	— .06	55	53	— 3	SW	5	omp	5	p.bc	*	62	52	0.11
	Hurst Castle ...	29.51	56	WSW	4	c	29.52	— .02	59	56	+ 2	W	3	c	3	cp.c	*	60	54	0.02
	Dungeness ...	29.52	58	SW	4	b	29.53	— .01	57	55	0	SW	4	c	4	bc.b	*	62	54	—
	North Foreland	29.52	57	S	4	bc	29.56	+ .01	54	50	— 4	SE	3	op	3	bc	*	62	51	0.12
	London (Brixton) ...	29.47	58	WSW	2	bc	29.54	+ .01	55	52	+ 1	WSW	2	op	*	cp	7.5	65	48	0.10
	Oxford	29.47	53	SSW	2	b	29.53	+ .05	52	50	— 4	SW	1	p	*	rhp.b	*	59	47	0.19
	Cambridge ...	29.44	59	SSW	3	bc	29.55	+ .05	55	53	— 2	SW	1	r	*	bc	8.4	64	42	0.17
	Yarmouth ...	29.48	56	S	3	rtl	29.56	+ .05	55	52	— 4	SSE	2	b	2	bc.rtl	*	61	49	0.15
Germany & Holland.	Cuxhaven ...	29.63	59	SW	2	r	29.66	— .02	59	58	+ 3	S	1	c	*	r	*	64	52	0.16
	Berlin	29.77	67	SW	1	c	29.73	— .09	64	59	+ 2	SW	2	r	*	c	*	77	62	—
	Wiesbaden ...	*	*	*	*	*	29.73	— .11	60	57	0	SW	1	o	*	*	*	72	56	0.16
	Munich... ..	29.86	65	2	o	r	29.81	— .15	56	52	— 6	2	o	r	*	r	*	72	56	0.35
	The Helder ...	29.54	58	SW	2	b	29.60	+ .03	59	57	— 1	S	1	c	1	b	*	63	48	0.12
France & Belgium.	Brussels ...	*	*	*	*	*	29.64	— .03	58	54	+ 3	SSW	2	o	*	o	*	65	50	0.08
	Cape Gris Nez...	?	57	WSW	4	b	?	?	55	53	— 1	WSW	4	o	4	b	*	61	51	0.16
	Paris	29.65	64	WSW	3	bc	29.64	— .10	53	53	— 3	S	2	r	*	bc	*	70	53	0.04
	Brest	29.63	56	SW	5	r	29.64	— .01	54	53	— 1	WNW	3	o	4	r	*	61	50	0.08
	Lorient... ...	29.66	56	W	5	c	29.67	— .04	56	53	— 2	W	5	r	5	c	*	64	52	0.20
	Rochefort ...	29.81	63	W	5	c	29.76	— .10	59	58	— 2	W	5	bc	*	c	*	68	55	0.08
	Belfort	29.80	62	WSW	3	o	29.78	— .07	53	53	— 7	WSW	5	r	*	o	*	71	53	0.16
	Lyons	29.81	60	NNW	1	r	29.81	— .12	52	52	— 7	E	1	r	*	r	*	67	52	0.71
	Nice	29.88	67	SW	1	b	29.78	— .15	59	58	— 6	2	o	r	1	b	*	72	59	0.04
	Perpignan ...	29.85	64	SW	1	b	29.83	— .09	61	57	— 3	NW	1	r	*	b	*	74	55	0.43
	Biarritz ...	29.91	61	WSW	4	r	29.86	— .07	62	59	— 3	W	5	r	5	r	*	70	57	0.24
Penin-sula.	Corunna ...																*			
	Lisbon	30.08	61	N	5	b	30.06	— .05	63	56	— 1	N	4	bc	*	b	*	70	57	—
	Azores (P. Delgada)	30.25	64	NNE	1	b	30.19	— .04	64	63	+ 1	2	o	o	1	b	*	73	63	—

For Explanation of Columns, see bottom of last page.

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

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

Bright Sunshine yesterday Southport 1.9 hrs;

WEATHER CHARTS

FOR Sunday, 26th June, 1898

BAROMETER, WIND AND SEA.

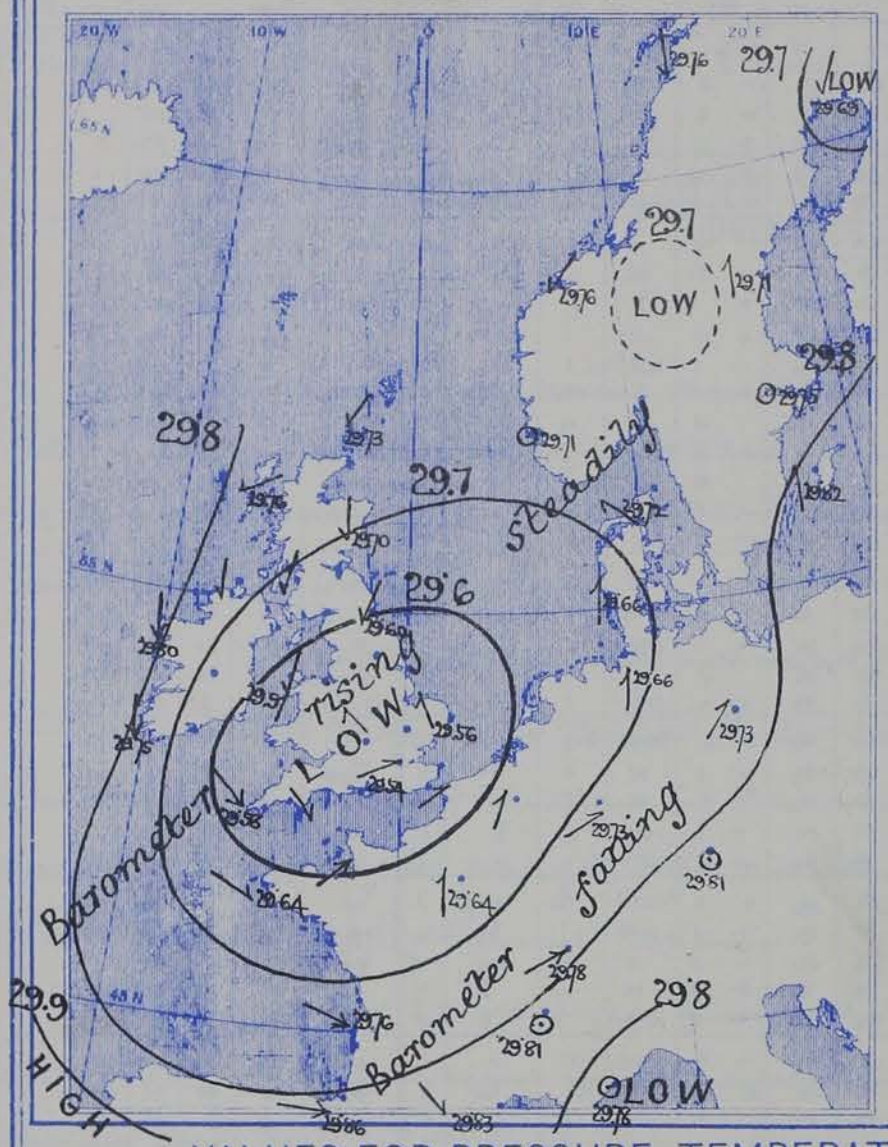
BAROMETER—Isobars are drawn for each tenth of an inch.

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

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

Force 8 to 10 ⟶ ;

SEA—Rough ; High

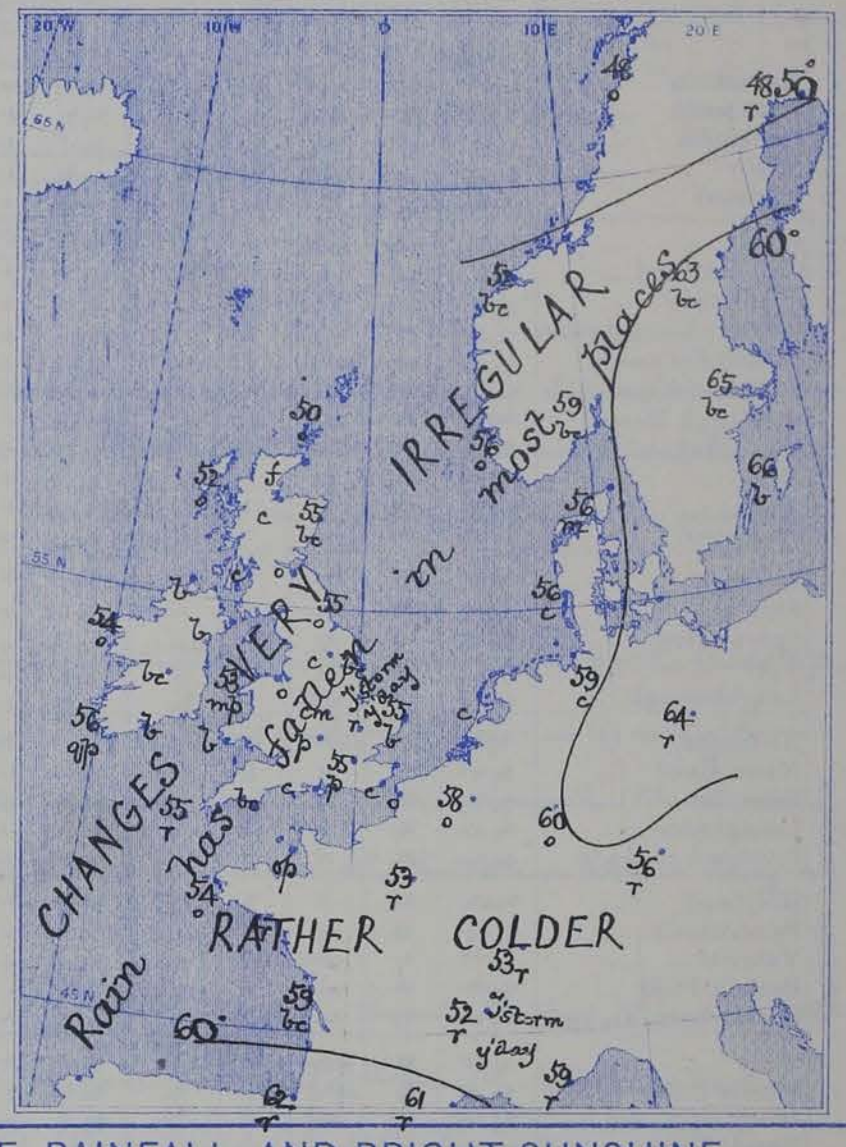


TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

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



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

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of				Absolute Extremes.				RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95.	
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum	Years.	Minimum.	Years		Hours.	Per cent. of possible.
	(Inches.)	°	°	°	°	°		°		(Inches.)		
Sumburgh Head	29·898	50·5	48·7	54 6	45 0	70	1891	33	1888	1·93	—	—
Stornoway	29·894	53·4	51·4	58·2	46 0	76	1893	31	1888	2·76	185·1	35
Wick	29·916	53·4	50·8	58 9	45·5	79	1878	30	1881	1·75	—	—
Nairn	29 917	54·4	51 0	62·3	47 3	86	1876	30	1888	1 73	—	—
Aberdeen	29·933	54·8	50 8	61 0	47 2	80	1881, 87	30	1888	1·80	196·5	37
Leith	29·943	55·9	52 3	63 9	48 0	86	1887	34	1886	1 79	—	—
Shields	29·959	54 9	51 8	60 6	48 5	76	1878, 84	37	1881, 86, 95	1·71	—	—
Spurn Head	29 971	55·3	52·8	60·3	51 1	80*	1885	34*	1881	1·64	—	—
York	29·979	56·1	52·7	66 2	48 4	88	1878	35	1894	2 21	173·0	34
Loughborough	29 991	57·7	53 8	68 6	48 8	86*	1893	32*	1895	2·20	—	—
Ardrossan	29·944	55·3	52 3	62 1	49·4	85	1878	36	1890	2 32	—	—
Malin Head	29·934	53·6	51·2	59 0	50·8	—	—	—	—	—	—	—
Belmullet	29 953	56·2	53 2	60·8	51·4	—	—	—	—	2·85	—	—
Donaghadee	29·959	55·1	53 0	61 5	49·7	77	1887	36	1880	2·03	—	—
Holyhead	29·976	55·9	53 4	61 7	51·3	83	1878	42	1882	1·97	—	—
Liverpool	29 976	57·0	52 8	64·0	51·1	85	1878, 93	38	1872	1·99	—	—
Parsonstown	29 981	56·2	52·9	64·9	48·5	85	1887	32	1881	2·34	173·7	35
Valencia	29·984	57·4	54·5	62 5	51·2	81	1887	40	1875, 80, 82	3·34	203·4	41
Roche's Point	29·983	57·0	53·8	64·3	51·3	80	1876, 87	41	1881	3·07	—	—
Pembroke	29 983	55·4	53·4	60·5	51 6	79	1893	38	1888	1·88	234·7	48
Scilly	30 002	57·5	55·3	61·5	53·2	75	1893	41	1888	1·76	—	—
Prawle Point	30·019	57·1	54·7	61·7	50·7	79*	1887	39*	1881	1·59	—	—
Jersey	30·019	59·0	55·9	64·9	52·8	87	1872	39	1890	1·86	243 1	51
Hurst Castle	30·007	57·9	55·7	64 6	52·0	84	1893	38	1881	1 83	—	—
Dover	29·989	58·2	55·0	63·0	52·3	77	1878	37	1890, 91, 92, 93	1·52	—	—
LONDON	30 001	58·9	54·6	69·2	50·6	91	1878	35	1880	1·99	167·4†	34†
Oxford	29·996	56·8	53·3	67·1	49 9	86	1876, 93	35	1892, 93	2·11	192·1	39
Cambridge	29·994	58·1	54·7	68·8	48·4	88	1888, 93	33	1892	2·14	195 3	40
Yarmouth	29·983	56·8	54 0	61·9	51 0	81	1877, 88	40	1892	1·86	—	—

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

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30·0 ins: and more to 29·8 ins: over Spain and the southwest of France, and exceeding 29·8 ins: off the extreme west of Ireland as well as in a band stretching from Spain over the south of France to Switzerland, Germany and the Baltic.
Lowest, 29·5 ins: to 29·6 ins: in a depression lying over England, and below 29·7 ins: in shallower systems over Scandinavia and the north of Ireland.
Gradients rather steep (for N. winds) over Ireland, slight and variable elsewhere.
Barometer rising over Scandinavia and the west and north of our Islands, falling over Germany and France. Depression over England moving ESE.

TEMPERATURE

Highest (1) 63° to 60° over the Iberian Peninsula: (2) 66° to 60° over Germany and the Baltic.
Lowest, 48° at Haparanda and Bodö. 50° at Sumburgh Head, 52° at Stornoway and Belfast, 53° at Holyhead.
Falling somewhat steadily over our Islands, where the maxima of yesterday failed to exceed 65° at any station. Maximum 71° at Berlin, Munich and Nice.

WIND

Cyclonic in direction – viz N. in Ireland, W. to SW. over France, SW. to S. over Germany and the Netherlands, S. over Sweden, but NE. in the west of Norway. Blowing strongly in the west of Ireland, but with moderate to light force elsewhere.

WEATHER

Fair over Scotland and Ireland; cloudy and very changeable over England and several parts of the Continent, with rain in many places.
Rain has fallen generally – heavily at Stornoway and Lyons. Thunder and lightning have occurred in some localities.
Bright Sunshine recorded yesterday was Nil at Stornoway; elsewhere it varied from 1·9 hrs at Southport to 11 hrs: at Aberdeen.

SEA

Rather rough at Sumburgh Head and Jersey, moderate in the west generally, slight to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

For the 24 hours ending at NOON on 27. JUNE 1898

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

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc	F.	WEA	SEA.
Skudesnaes ...	29.55	58	52	W	0	r	2
Sumburgh Head	29.42	51	51	ENE	3	r	4
Stornoway	29.38	54	53	NE	4	o	4
Aberdeen	29.37	56	52	SSE	4	bc,r	3
Shields	29.40	56	52	ESE	2	bcp	2
Ardrossan	29.36	56	55	SSW	2	bc	2
Malin Head ...	29.39	54	53	NNW	2	b	1
Belmullet	29.53	55	52	NNW	4	cp	*
Holyhead	29.31	57	52	NW	2	cp	1

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Valencia	29.51	58	54	NNW	6	cpr	6
Scilly	29.52	58	54	W	5	c	4
Jersey	29.61	61	56	SW	5	bc	5
Hurst Castle ...	29.51	60	57	SW	5	cp	4
Dungeness ...	29.54	61	58	SW	5	bc	4
North Foreland	29.52	61	55	SW	4	c	3
London (Westminster)	29.46	63	57	SW	4	c	*
Yarmouth ...	29.48	60	55	SSE	5	bc	4
Rochefort ...	29.85	67	63	W	5	c	*

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

Weather in morning fine over eastern, central and southern Europe, but cloudy in many places; dull unsettled and showery over the western and northeastern countries, with thunder occasionally. Thunderstorms occurring later in the northeast and east of England, rain, more or less, in almost all parts of our Islands and France, and amounts large at Stornoway (1·23 ins.) and at Lyons (0·71 in.).

Temperature rising over France and Germany, but falling slowly over the British Islands. Morning readings highest 81° at Brindisi, 77° at Palermo, and above 70° at most stations over the Mediterranean and Adriatic; 63° to 60° over North Germany. Lowest 50° at Sumburgh Head and Holyhead, and below 53° at most of the extreme northern stations; below 60° all over our Islands, Scandinavia, and Northern Russia. Not exceeding 65° in any part of our Islands later, but touching 70° at Paris, and 77° at Berlin, Munich and Nice.

Wind (1) very light and variable (mainly anticyclonic) over the eastern, southeastern, and southern countries; (2) Cyclonic and stronger in the northwest — NE.^{3} in the west of Norway, the Shetlands, and Hebrides, NW.^{3} on our western coasts, but W.^{3} to SW.^{3} over France, SW.^{3} to S.^{3} over the eastern shores of the North Sea and the Baltic, and blowing a gale at times. Becoming more N.^{3} on our western coasts later, and backing to SE. in the east of Scotland.

Barometer highest 30·1 ins. to 29·9 ins. all over the Iberian Peninsula, and exceeding 29·9 ins. over the Mediterranean, southeastern and eastern Europe. Lowest below 29·3 ins. in a depression over Scotland, and below 29·5 ins. in almost all parts of our Islands as well as in another low-pressure system over the east of Lapland and the Kola Peninsula. Rising later over the western and northern parts of the British Islands, falling over our southeastern countries and France. British depression moving southeastwards and undergoing considerable modification.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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,, Weekly ,, ,, ,, £1 10 0 ,,

DAILY WEATHER REPORT

for 8 a.m. on Monday 27th June, 1898.

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

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)									PAST 24 HOURS.				
		Barom.	Temp.	Wind.			Barometer.		Temperature.			Wind.						Temp.		
		At 32° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)	Weather	At 32° Fahr. and M. S. L.	Change since Yesterday.	Dry Bulb.	Wet Bulb.	Change since Yesterday.	Direc.	Force (0 to 12.)	Weather.	Sea (0 to 9.)	Weather.	Hours of Bright Sunshine.	Max.	Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
Scandinavia.	Haparanda ...	29.83	51	NW	0	f	29.86	+ .17	50	49	+ 2	SSW	2	be	#	f	#	59	43	0.04
	Hernösand ...	29.80	55	NW	0	b	29.87	+ .16	61	55	— 2	NW	4	be	#	b	#	68	45	—
	Stockholm ...	29.84	63	SSE	2	c	29.80	+ .05	60	57	— 5	NNE	2	c	#	c	#	72	52	0.04
	Wisby	29.86	61	SE	4	o	29.70	— .12	68	60	+ 2	SSE	6	c	#	o	#	68	52	—
	Karlstad ...	29.79	63	S	2	bc	29.76	+ .03	62	60	+ 4	NE	2	o	#	bc	#	#	#	—
	Bodö	29.89	49	NNW	2	c	29.95	+ .19	48	44	0	SW	4	bc	2	c	#	54	43	—
	Christiansund ...	29.89	53	NE	5	c	29.96	+ .20	52	46	0	ENE	4	b	2	c	#	59	48	—
	Skudesnaes ...	29.80	58	NNW	4	b	29.77	+ .06	61	57	+ 5	N	2	b	1	b	#	62	50	#
	Færder (Christiania Fjord)	29.76	62	WSW	2	b	29.75	+ .04	59	56	0	NNE	4	o	2	b	#	63	57	—
	Skagen (The Scaw)	29.77	60	ENE	1	m	29.67	— .05	57	57	+ 1	ENE	1	r	0	m	#	70	56	0.24
	Fanö	29.71	61	N	2	o	29.64	— .02	59	58	+ 3	N	2	o	#	o	#	72	56	0.16
British Islands.	Sumburgh Head	29.87	53	NE	3	b	29.95	+ .22	50	48	0	N	2	o	4	b	#	53	44	—
	Stornoway	29.94	54	ENE	4	o	30.01	+ .25	52	48	0	NE	3	o	3	o	0.3	55	46	—
	Wick	29.93	50	N	3	o	30.00	+ .25	50	46	— 2	N	3	o	2	o.r	#	55	45	—
	Nairn	29.89	55	E	2	o	30.01	+ .28	53	48	0	E	1	o	1	o	#	63	48	—
	Aberdeen ...	29.85	53	N	3	o g	29.97	+ .27	53	47	— 2	N	4	c q	3	o g. a	3.3	57	49	0.01
	Leith	29.79	62	NE	2	b	29.96	+ .26	53	49	— 4	NNE	2	o	#	b	#	63	51	—
	Shields	29.76	53	NNE	3	o	29.87	+ .27	52	52	— 3	N	4	o p	3	o	#	56	51	—
	Spurn Head ...	29.67	57	NE	3	b	29.81	+ .27	56	53	— 3	N	4	o	4	b. o	#	60	53	—
	York	29.69	59	N	1	c	29.85	+ .29	56	53	0	N	2	o	#	p. c	3.7	64	51	0.06
	Loughborough ...	29.67	55	W	2	c	29.83	+ .31	56	53	— 1	N	3	c m r	#	c p t h	#	67	46	0.05
	Ardrossan ...	29.80	63	NNE	2	b m	29.96	+ .30	58	54	— 2	ENE	1	o m	1	p. b m	#	67	51	0.04
	Malin Head ...	29.86	55	N	5	b c m	30.00	+ .28	52	50	— 3	NNW	5	o	4	b c m	#	59	50	—
	Belmullet ...	29.96	55	N	4	c	30.10	+ .30	55	50	+ 1	N	2	c	#	c	#	58	49	0.03
	Donaghadee ...	29.81	58	NNW	5	b c	29.98	+ .34	56	53	— 2	WNW	3	c	1	b c	#	63	52	0.01
	Liverpool (Bidston)	29.73	56	NE	2	o	29.91	+ .35	53	52	+ 1	N	2	o	3	o p	#	61	50	0.12
	Holyhead ...	29.74	57	N	3	b c	29.94	+ .37	57	54	+ 4	NNW	4	c	3	b c	#	58	52	—
	Parsonstown ...	29.83	60	E	0	o	30.04	+ .40	54	52	— 4	NW	1	c	#	p t. o	8.4	65	48	0.22
	Valencia ...	29.95	56	N	7	o q	30.12	+ .37	56	50	0	NNW	5	c	5	c. o q	3.7	59	52	—
	Roche's Point ..	29.83	61	NNW	4	b c	30.03	+ .36	57	52	+ 1	N	5	b	4	b c	#	65	52	0.02
	Pembroke (St. Ann's Hd.)	29.72	57	N	4	b	29.94	+ .37	56	53	0	N	5	b	3	b	11.1	58	51	—
	Scilly	29.76	59	NW	5	b c	? 29.95	+ .37	57	55	+ 2	N	5	c	3	r. b c	7.9	60	51	0.33
	Prawle Point ...	29.68	55	NNE	2	b	29.87	+ .33	58	57	0	N	2	b c	1	t h r. c	#	60	49	0.32
	Jersey (St. Aubin's)	29.67	59	W	4	c g	29.82	+ .25	57	55	+ 2	NNW	3	c m	3	p. c g	#	61	52	0.03
	Hurst Castle ...	29.64	58	WNW	1	p t	29.80	+ .28	56	54	— 3	NNE	3	o m	2	c. p t	#	63	49	0.18
	Dungeness ...	29.62	59	SSW	3	b c	29.71	+ .18	56	54	— 1	NNW	3	c	2	b c	#	62	49	—
	North Foreland	29.65	56	S	1	b c	29.72	+ .16	58	55	+ 4	WNW	2	c	2	c. b c	#	59	50	0.07
	London (Brixton) ...	29.62	59	SSE	1	c	29.71	+ .23	55	53	0	NNE	2	o	#	o p. b c. r	1.8	63	49	0.08
	Oxford	29.69	54	N	3	b c	29.82	+ .29	54	52	+ 2	N	3	o g	#	p. b c	#	63	47	0.15
	Cambridge ...	29.64	58	ESE	1	o	29.78	+ .23	55	54	0	NNW	3	o	#	p t. o r	5.4	66	47	0.36
	Yarmouth ...	29.63	59	ESE	3	b	29.73	+ .17	55	53	0	NNE	4	c p	4	b	#	60	52	0.31
Germany & Holland.	Cuxhaven ...	29.67	59	NE	1	r	29.67	+ .01	58	57	— 1	WSW	2	b c	#	r	#	64	54	0.20
	Berlin	29.67	56	NW	3	r	29.73	.00	59	56	— 5	W	2	o	#	r	#	66	56	1.02
	Wiesbaden ...	#	#	#	#	#	29.79	+ .06	56	54	— 4	SW	1	c	#	#	#	65	51	0.12
	Munich... ..	29.89	50	SW	5	r	29.86	+ .13	57	53	— 7	SE	1	b	#	r	#	64	45	0.47
	The Helder ...	29.63	56	WNW	1	c	29.69	— .09	58	55	— 1	WSW	1	b c	1	c	#	64	50	0.39
Belgium. France &	Brussels ...	#	#	#	#	#	29.72	+ .08	55	54	— 3	SE	1	o	#	b	#	62	46	0.12
	Cape Gris Nez ...	?	58	SW	1	c	?	?	58	55	+ 3	NE	1	b c	1	c	#	63	52	—
	Paris	29.69	57	SSE	1	r	29.72	— .08	54	53	+ 1	SW	2	o	#	r	#	68	53	0.32
	Brest ...	29.73	56	NNW	3	c	29.88	+ .24	57	55	+ 3	N	4	c	4	c	#	61	50	0.47
	Lorient... ...	29.71	59	W	5	?	29.86	+ .19	56	54	0	NW	3	c	4	?	#	64	54	0.08
	Rochefort ...	29.85	61	WNW	5	o	29.83	+ .07	57	55	— 2	NW	4	o	#	o	#	68	55	0.20
	Belfort	29.77	56	N	3	b	29.88	+ .10	51	50	— 2	E	0	r	#	b	#	63	47	0.08
	Lyons ...	29.80	62	S	1	c	29.83	+ .02	59	52	+ 7	SSW	1	b c	#	b r. c	#	68	52	0.24
	Nice	29.75	66	SW	1	c	29.72	— .06	65	56	+ 6	SW	1	b	1	c	#	72	57	0.35
	Perpignan ...	29.87	63	SW	2	r	29.92	+ .09	61	54	0	W	2	o	#	r	#	72	54	0.04
	Biarritz ...	29.93	63	W	5	r	29.95	+ .09	62	56	0	W	5	r	5	r	#	64	55	0.55
Penin-sula.	Corunna ...																#			
	Lisbon	30.10	60	WSW	5	b	30.12	+ .06	64	55	+ 1	N	5	b	#	b	#	70	57	—
	Azores (P. Delgada)	30.22	67	NE	2	o	30.25	+ .06	67	63	0	NE	3	c	3	o	#	72	64	0.04

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

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

Bright Sunshine yesterday Southport 3.7 *hrs;*

WEATHER CHARTS

FOR Monday, 27th June, 1898

BAROMETER, WIND AND SEA.

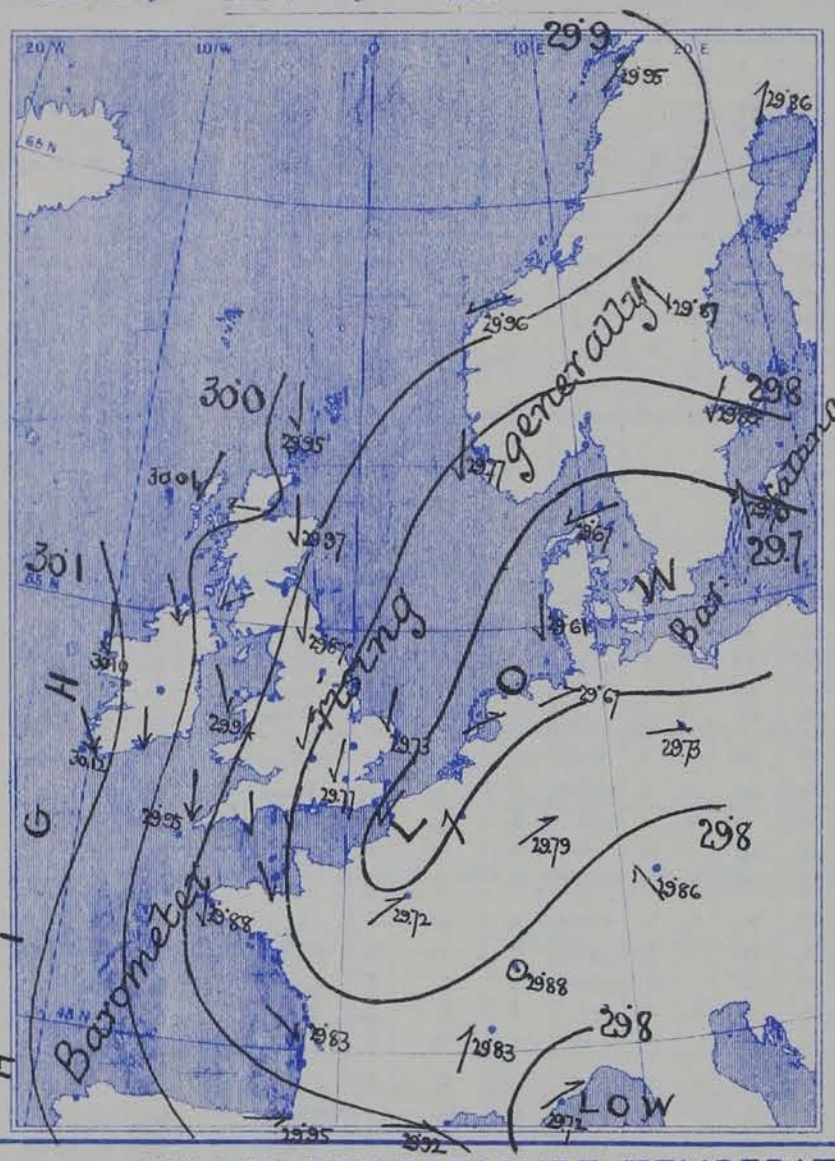
BAROMETER—Isobars are drawn for each tenth of an inch.

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

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

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

SEA—Rough ▤ : *High* ▦

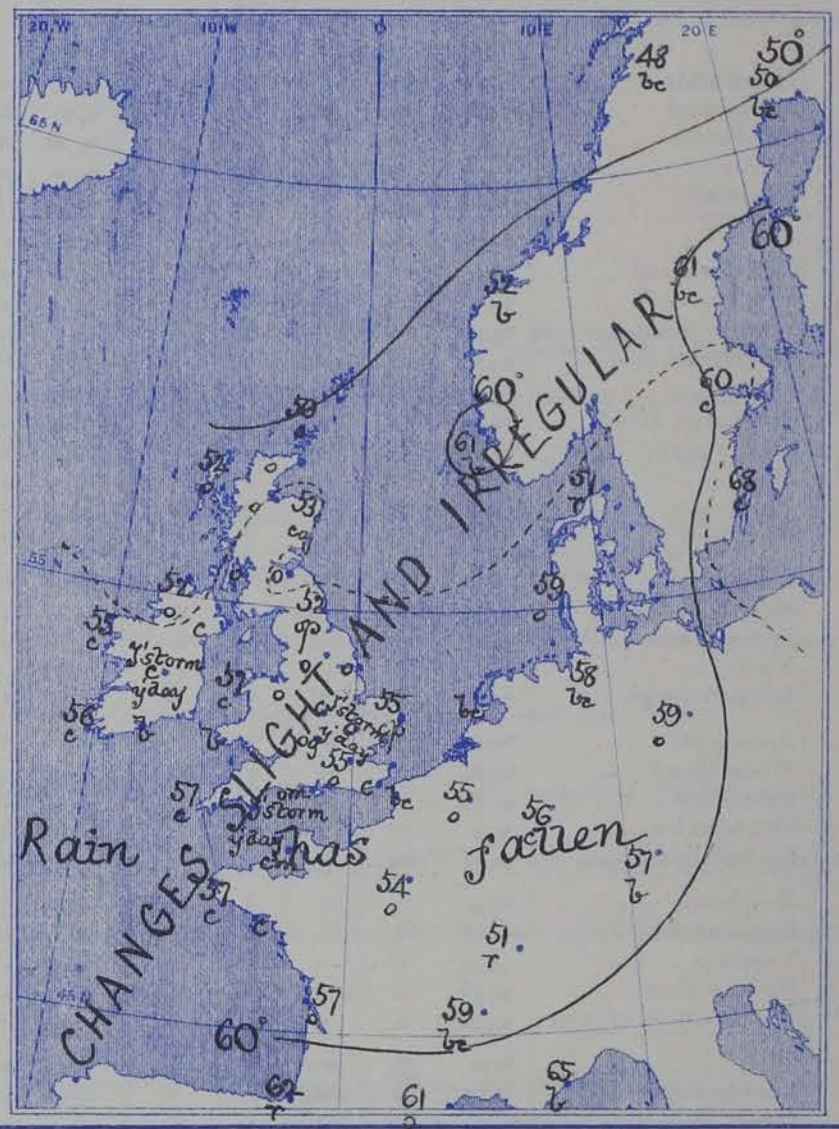


TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

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



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

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of				Absolute Extremes.				RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95.	
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum	Years.	Minimum.	Years.		Hours.	Per cent. of possible.
	(*Inches.*)	°	°	°	°	°		°		(*Inches.*)		
Sumburgh Head	29 · 898	50 · 5	48 · 7	54 · 6	45 · 0	70	1891	33	1888	1 · 93	—	—
Stornoway	29 · 894	53 · 4	51 · 4	58 · 2	46 · 0	76	1893	31	1888	2 · 76	185 · 1	35
Wick	29 · 916	53 · 4	50 · 8	58 · 9	45 · 5	79	1878	30	1881	1 · 75	—	—
Nairn	29 · 917	54 · 4	51 · 0	62 · 3	47 · 3	86	1876	30	1888	1 · 73	—	—
Aberdeen	29 · 933	54 · 8	50 · 8	61 · 0	47 · 2	80	1881, 87	30	1888	1 · 80	196 · 5	37
Leith	29 · 943	55 · 9	52 · 3	63 · 9	48 · 0	86	1887	34	1886	1 · 79	—	—
Shields	29 · 959	54 · 9	51 · 8	60 · 6	48 · 5	76	1878, 84	37	1881, 86, 95	1 · 71	—	—
Spurn Head	29 · 971	55 · 3	52 · 8	60 · 3	51 · 1	80*	1885	34*	1881	1 · 64	—	—
York	29 · 979	56 · 1	52 · 7	66 · 2	48 · 4	88	1878	35	1894	2 · 21	173 · 0	34
Loughborough	29 · 991	57 · 7	53 · 8	68 · 6	48 · 8	86*	1893	32*	1895	2 · 20	—	—
Ardrossan	29 · 944	55 · 3	52 · 3	62 · 1	49 · 4	85	1878	36	1890	2 · 32	—	—
Malin Head	29 · 934	53 · 6	51 · 2	59 · 0	50 · 8	—	—	—	—	—	—	—
Belmullet	29 · 953	56 · 2	53 · 2	60 · 8	51 · 4	—	—	—	—	2 · 85	—	—
Donaghadee	29 · 959	55 · 1	53 · 0	61 · 5	49 · 7	77	1887	36	1880	2 · 03	—	—
Holyhead	29 · 976	55 · 9	53 · 4	61 · 7	51 · 3	83	1878	42	1882	1 · 97	—	—
Liverpool	29 · 976	57 · 0	52 · 8	64 · 0	51 · 1	85	1878, 93	38	1872	1 · 99	—	—
Parsonstown	29 · 981	56 · 2	52 · 9	64 · 9	48 · 5	85	1887	32	1881	2 · 34	173 · 7	35
Valencia	29 · 984	57 · 4	54 · 5	62 · 5	51 · 2	81	1887	40	1875, 80, 82	3 · 34	203 · 4	41
Roche's Point	29 · 983	57 · 0	53 · 8	64 · 3	51 · 3	80	1876, 87	41	1881	3 · 07	—	—
Pembroke	29 · 983	55 · 4	53 · 4	60 · 5	51 · 6	79	1893	38	1888	1 · 88	234 · 7	48
Scilly	30 · 002	57 · 5	55 · 3	61 · 5	53 · 2	75	1893	41	1888	1 · 76	—	—
Prawle Point	30 · 010	57 · 1	54 · 7	61 · 7	50 · 7	79*	1887	39*	1881	1 · 59	—	—
Jersey	30 · 019	59 · 0	55 · 9	64 · 9	52 · 8	87	1872	39	1890	1 · 86	243 · 1	51
Hurst Castle	30 · 007	57 · 9	55 · 7	64 · 6	52 · 0	84	1893	38	1881	1 · 83	—	—
Dover	29 · 989	58 · 2	55 · 0	63 · 0	52 · 3	77	1878	37	1890, 91, 92, 93	1 · 52	—	—
LONDON	30 · 001	58 · 9	54 · 6	69 · 2	50 · 6	91	1878	35	1880	1 · 99	167 · 4†	34†
Oxford	29 · 996	56 · 8	53 · 3	67 · 1	49 · 9	86	1876, 93	35	1892, 93	2 · 11	192 · 1	39
Cambridge	29 · 994	58 · 1	54 · 7	68 · 8	48 · 4	88	1888, 93	33	1892	2 · 14	195 · 3	40
Yarmouth	29 · 983	56 · 8	54 · 0	61 · 9	51 · 0	81	1877, 88	40	1892	1 · 86	—	—

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

GENERAL SITUATION AT 8 A.M.

PRESSURE — Highest 30.1 ins. and more over the W. of Ireland, and exceeding 29.9 ins. on all our W^rn and N^rn coasts, and in Spain.
Lowest 29.7 ins. and less over Holland and N. Germany.
Gradients moderate over our Islands — for N^ly winds, Barometer rising at all our own stations.

TEMPERATURE — Highest 65° to 60° in the S. and SW. of France, 59° at Lyons and at Berlin.
Lowest 48° at Bodo, 50° at Sumburgh Hd. and Wick, and below 55° over all the N^rn and E^rn parts of Scotland.
The highest of the maxima recorded yesterday were 67° at Loughborough, 66° at Cambridge, 68° at Paris and Lyons, 72° at Nice and Perpignan.

WIND — N^ly over our Islands generally, but rather variable over the North Channel.
Over Germany and the eastern half of France it was still SW^ly to W^ly.
It blew very strongly from the N^wd at Valencia (Ireland) during yesterday afternoon and evening. In London it shifted to N. during the night.

WEATHER — Still changeable and showery over England, finer in Ireland and Scotland, but not yet settled anywhere.
Rain fell very generally yesterday except at the most N^rn and NE^rn stations. Largest amounts at our stations were 0.3 in. at certain of our SW^rn and SE^rn stations, and on the Continent 1.02 in. at Berlin, and 0.5 in. at Brest. Bright Sunshine yesterday exceeded 10 hrs. at Pembroke, Eastbourne and Hastings, but was much less elsewhere, at Aberdeen there were 3.3 hrs. only.

SEA — Moderate in some exposed places, slight to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression in the SE. and far E. is passing away slowly; a further small disturbance seems likely to pass southwards over our W^rn districts with rain, after that finer weather is probable, with dry N^ly breezes.

FORECASTS

For the 24 hours ending at NOON on 28TH JUNE 1898

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH.	N^ly breezes, moderate, fair.
1	SCOTLAND EAST	
2	ENGLAND N.E.	N^ly breezes, changeable weather, rain at times, then fair and cool.
3	ENGLAND EAST	
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	NW^ly to NE^ly winds, rainy, then fine and colder.
7	ENGLAND N.W.	
8	ENGLAND S.W.	
9	IRELAND NORTH	N^ly breezes, moderate, fair.
10	IRELAND SOUTH	
	WARNINGS	None issued.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29.76	62	56	NNW	4	bc	2
Sumburgh Head							
Stornoway	29.87	53	51	E.	4	o	4
Aberdeen							
Shields							
Ardrossan							
Malin Head ...	29.80	57	55	N	4	bc	3
Belmullet	29.91	56	54	N	4	o	*
Holyhead							
Valencia							
Scilly							
Jersey	29.62	60	56	WNW	5	c	4
Hurst Castle ...							
Dungeness ...							
North Foreland	29.61	57	54	WSW	1	c	1
London (Westminster)							*
Yarmouth ...							
Rochefort ...	29.74	65	62	WNW	5	c	*

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

Continental information not received.

SUMMARY OF CHANGES IN THE WEATHER OVER EUROPE FROM THE 19TH TO 25TH JUNE.

During the first few days of this period barometric pressure was highest over the Bay of Biscay, Spain, France, and later on over Germany. It was lowest first over the Baltic and Russia, and afterwards some other low-pressure systems advanced from the Atlantic over Scotland and the Nth countries of Europe. It was in these last named countries that falls of rain occurred – in many cases thunder was reported and it was in secondaries which reached our coasts on Tuesday and moved eastwards that the heavy thunderstorms recorded in various parts of Germany on Wednesday night were due.

On Thursday a new disturbance began to approach Ireland from the W.nd and this moved first in a NE.ly and afterwards in a SE.ly direction – finally passing across our Islands on its way to central Europe. Rainy weather now became general both in the British Islands and France, and some other disturbances over Austria caused unsettled weather over Austria and the N of Italy also.

Towards the end of the week the British depression was advancing slowly to the southeastwards; N.ly winds were spreading over the Scotch and Irish parts of our Islands, but showery cold weather was still prevalent in most places – with a tendency to clear up in the extreme NW. and N. Temperature was low and falling.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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" Weekly " " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on Tuesday 28th June, 1898.

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

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)									PAST 24 HOURS.				
		Barom.	Temp.	Wind.		Weather	Barometer.		Temperature.			Wind.		Weather.	Sea (0 to 9.)	Weather.	Hours of Bright Sunshine.	Temp.		Rainfall.
		At 32° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)		At 32° Fahr. and M. S. L.	Change since Yesterday.	Dry Bulb.	Wet Bulb.	Change since Yesterday.	Direc.	Force (0 to 12.)					Max.	Min.	
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
Scandinavia.	Haparanda ...	29.87	50	Z	0	f	29.88	+ .02	63	57	+ 13	NE	4	b	*	f	*	63	46	—
	Hernösand ...	29.72	60	Z	0	bc	29.80	— .07	59	56	— 2	NE	6	o	*	bc	*	73	50	0.08
	Stockholm ...	29.63	61	E	2	r	29.67	— .13	60	59	0	S	4	o	*	r	*	68	57	0.28
	Wisby	29.66	56	SW	4	r	29.76	+ .06	62	57	— 6	SSW	6	b	*	r	*	68	54	0.32
	Karlstad ...	29.61	61	NNE	3	r	29.63	— .13	57	?	— 5	NNE	2	r	*	r	*	*	*	1.14
	Bodö	29.97	50	SW	4	o	29.99	+ .04	54	50	+ 6	N	4	b	1	o	*	54	45	—
	Christiansund ...	29.93	56	ENE	6	b	29.86	— .10	55	50	+ 3	ENE	4	b	2	b	*	59	52	—
	Skudesnaes ...	29.73	59	N	6	mr	29.76	— .01	62	57	+ 1	N	2	b	1	bc,m	*	64	52	*
	Færder (Christiania Fjord)	29.64	60	N	4	r	29.65	— .10	61	57	+ 2	N	4	o	2	r	*	63	59	0.39
	Skagen (The Scaw)	29.53	58	NE	3	r	29.57	— .10	59	58	+ 2	NE	3	mr	1	r	*	59	57	0.55
	Fanö	29.68	57	WNW	5	o	29.71	+ .07	55	54	— 4	NW	6	r	*	o	*	64	55	0.43
	Sumburgh Head	29.93	53	NW	3	bc	29.90	— .05	52	49	+ 2	WNW	1	b	3	bc	*	54	42	—
	Stornoway ...	29.95	59	ESE	3	b	29.86	— .15	55	52	+ 3	SSW	3	bc	3	c,b	10.6	60	45	—
	Wick	29.99	53	E	1	b	29.93	— .07	57	52	+ 7	S	1	b	1	b	*	58	39	—
	Nairn	29.97	58	Z	0	b	29.93	— .08	55	52	+ 2	Z	0	b	1	b	*	60	36	—
	Aberdeen ...	29.98	52	N	2	c	29.95	— .02	57	51	+ 4	ENE	2	bc	1	bc,c	4.9	59	38	—
British Isles.	Leith	29.96	57	NE	1	b	29.96	.00	59	54	+ 6	NE	1	b	*	b	*	59	42	—
	Shields	29.98	52	N	3	c	29.99	+ .12	58	49	+ 1	NW	2	b	3	o,c	*	54	44	—
	Spurn Head ...	29.91	53	N	6	o	29.98	+ .17	55	51	— 1	N	4	bc	4	ogp	*	56	48	—
	York	29.95	53	N	3	o	30.00	+ .15	53	49	— 3	NW	1	b	*	r,o	0.8	58	43	0.06
	Loughborough ...	29.94	54	N	3	o	30.03	+ .20	51	48	— 5	WNW	1	cmr	*	ep,om,c	*	62	42	0.02
	Ardrossan ...	29.94	60	WSW	3	bm	29.96	.00	58	55	0	SE	2	bcm	2	bcm,bm	*	63	45	—
	Malin Head ...	30.00	55	NNW	4	bc	29.94	— .06	54	53	+ 2	SW	4	o	2	c,bc	*	56	48	—
	Belmullet ...	30.07	57	WNW	1	o	29.96	— .14	57	57	+ 2	WSW	2	o	*	b,o	*	58	52	0.04
	Donaghadee ...	30.00	58	NNW	5	b	30.01	+ .03	57	52	+ 1	WNW	4	b	2	b	*	63	40	—
	Liverpool (Bidston)	29.96	58	N	1	c	30.02	+ .11	57	53	+ 2	W	1	bc	2	p,c	*	62	52	0.02
	Holyhead ...	29.99	56	N	2	cmr	30.02	+ .08	59	55	+ 2	S	1	b	1	cmr	*	59	48	—
	Parsonstown ...	30.02	63	NW	1	b	30.00	— .04	57	55	+ 3	Z	0	o	*	b	6.0	63	47	—
	Valencia ...	30.09	58	NW	2	c	30.01	— .11	58	57	+ 2	S	2	rmr	3	c	5.5	58	54	0.07
	Roche's Point ...	30.05	63	NNW	4	b	30.05	+ .02	57	54	0	S	1	c	1	b	*	64	50	—
	Pembroke (St. Ann's Hd.)	30.00	57	N	5	bc	30.04	+ .10	56	54	0	S	2	b	2	bc	14.1	59	52	—
	Scilly	30.04	58	NNW	4	c	30.04	+ .09	58	57	+ 1	NNW	1	bcr	1	c	8.6	59	53	—
	Prawle Point ...	29.93	61	N	2	bc	30.06	+ .19	56	54	— 2	ENE	2	bc	2	tlr,bc,p	*	64	50	0.10
	Jersey (St. Aubin's)	29.90	61	WNW	4	bm	30.05	+ .23	59	55	+ 2	NNE	3	bcmr	4	cg,bm	*	63	54	0.02
	Hurst Castle ...	29.89	59	NNE	2	ow	30.03	+ .23	58	54	+ 2	NNE	1	bmr	2	tlr,ow	*	65	51	0.10
	Dungeness ...	29.81	56	NNE	4	c	29.98	+ .27	53	52	— 3	N	2	c	1	c	*	64	51	0.10
	North Foreland	29.83	57	N	5	c	29.99	+ .27	53	51	— 5	NW	3	o	2	bc,c	*	63	51	0.03
	London (Brixton) ...	29.86	58	N	2	o	30.02	+ .25	55	50	0	N	2	o	*	cp,o	1.8	62	50	0.08
	Oxford	29.95	53	NNE	2	o	30.04	+ .22	56	51	+ 2	N	2	c	*	op,c	*	64	46	0.04
	Cambridge ...	29.89	55	N	3	p	30.03	+ .25	54	50	— 1	N	3	b	*	p	1.9	64	48	0.19
	Yarmouth ...	29.82	57	N	4	c	29.95	+ .22	55	50	0	N	4	c	4	cp,c	*	59	50	0.06
Germany & Holland.	Cuxhaven ...	29.73	61	WNW	3	b	29.82	+ .15	57	57	— 1	W	3	o	*	b	*	64	55	—
	Berlin	29.73	68	Z	0	b	29.80	+ .07	67	57	+ 8	W	1	b	*	b	*	79	57	—
	Wiesbaden ...	*	*	*	*	*	29.91	+ .12	59	55	+ 3	NW	1	bc	*	*	*	66	53	0.12
	Munich	29.85	52	SW	5	r	30.01	+ .15	57	51	0	W	3	b	*	r	*	66	51	0.20
	The Helder ...	29.76	59	NNE	2	bc	29.89	+ .20	55	52	— 3	NNW	1	o	1	bc	*	64	54	—
Belgium.	Brussels ...	*	*	*	*	*	29.93	+ .21	55	54	0	NNE	1	mr	*	o	*	65	47	0.75
	Cape Gris Nez ...	?	58	ENE	3	bc	?	?	55	54	— 3	NNE	4	o	4	bc	*	63	52	0.08
	Paris	29.78	54	W	1	o	29.94	+ .22	53	53	— 1	WNW	2	o	*	o	*	58	52	0.79
	Brest	30.04	58	N	3	b	30.08	+ .20	56	54	— 1	N	3	c	2	b	*	61	52	—
	Lorient	29.95	61	NW	4	c	30.06	+ .20	56	54	0	NW	3	c	3	c	*	64	50	0.08
France &	Rochefort ...	29.95	61	NNW	4	c	30.03	+ .20	59	56	+ 2	NW	3	o	*	bc,c	*	64	55	0.04
	Belfort	29.80	55	SE	1	o	29.94	+ .06	54	51	+ 3	W	3	o	*	o	*	67	48	0.08
	Lyons	29.86	58	WNW	2	c	30.01	+ .18	55	52	— 4	SW	1	o	*	c	*	70	51	—
	Nice	29.71	69	NW	7	b	29.88	+ .16	59	51	— 6	E	2	bc	2	b	*	75	54	—
	Perpignan ...	29.95	68	W	2	o	30.06	+ .14	63	54	+ 2	NW	4	b	*	o	*	73	53	—
	Biarritz ...	30.02	64	WNW	5	bc	30.06	+ .11	61	56	— 1	WNW	4	r	4	bc,tlr	*	64	52	0.08
Peninsula.	Corunna ...																*			
	Lisbon	30.09	61	NNW	6	b	30.09	— .03	64	55	0	NNE	5	b	*	b	*	70	57	—
	Azores (P. Delgada)	30.29	66	NE	4	bc	30.28	+ .03	66	60	— 1	ENE	3	o	2	bc	*	72	64	—

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

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

Bright Sunshine yesterday Southport 4.8 hrs;

WEATHER CHARTS

FOR Tuesday, 28th June, 1898

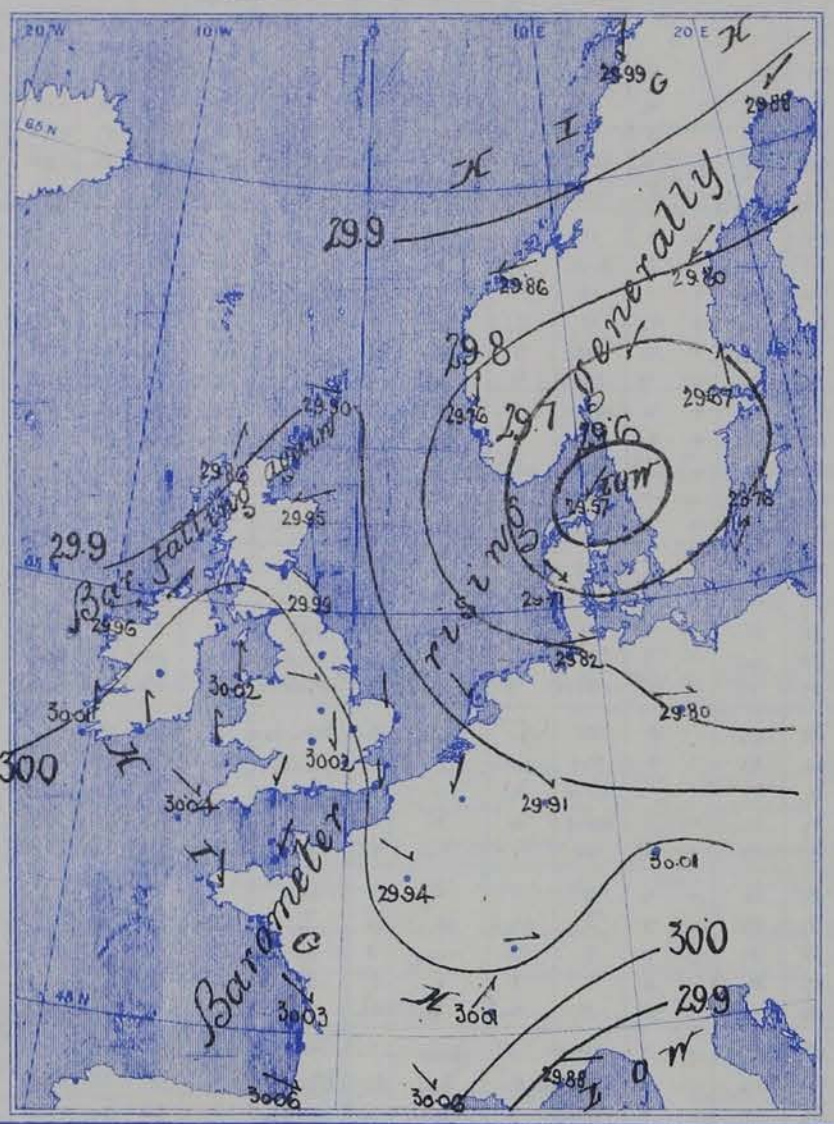
BAROMETER, WIND AND SEA.

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

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

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

SEA—Rough ▤ ; High ▩

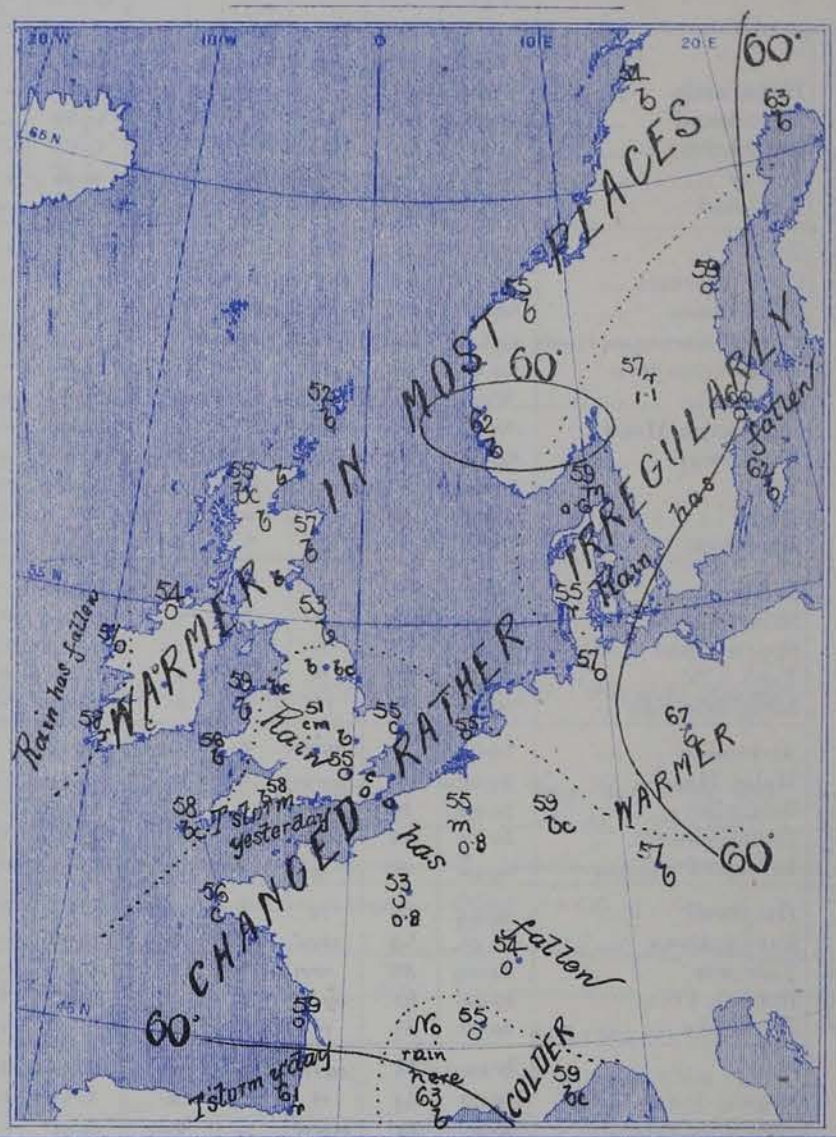


TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

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



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

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of				Absolute Extremes.				RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95.	
		Dry Bulb 8 A.M.	Wet Bulb 8 A.M.	Daily Maximum.	Daily Minimum.	Maximum	Years.	Minimum.	Years.		Hours.	Per cent. of possible.
	(*Inches.*)	°	°	°	°	°		°		(*Inches.*)		
Sumburgh Head	29·898	50·5	48·7	54·6	45·0	70	1891	33	1888	1·93	—	—
Stornoway	29·894	53·4	51·4	58·2	46·0	76	1893	31	1888	2·76	185·1	35
Wick	29·916	53·4	50·8	58·9	45·5	79	1878	30	1881	1·75	—	—
Nairn	29·917	54·4	51·0	62·3	47·3	86	1876	30	1888	1·73	—	—
Aberdeen	29·933	54·8	50·8	61·0	47·2	80	1881, 87	30	1888	1·80	196·5	37
Leith	29·943	55·9	52·3	63·9	48·0	86	1887	34	1886	1·79	—	—
Shields	29·959	54·9	51·8	60·6	48·5	76	1878, 84	37	1881, 86, 95	1·71	—	—
Spurn Head	29·971	55·3	52·8	60·3	51·1	80*	1885	34*	1881	1·64	—	—
York	29·979	56·1	52·7	66·2	48·4	88	1878	35	1894	2·21	173·0	34
Loughborough	29·991	57·7	53·8	68·6	48·8	86*	1893	32*	1895	2·20	—	—
Ardrossan	29·944	55·3	52·3	62·1	49·4	85	1878	36	1890	2·32	—	—
Malin Head	29·934	53·6	51·2	59·0	50·8	—	—	—	—	—	—	—
Belmullet	29·953	56·2	53·2	60·8	51·4	—	—	—	—	2·85	—	—
Donaghadee	29·959	55·1	53·0	61·5	49·7	77	1887	36	1880	2·03	—	—
Holyhead	29·976	55·9	53·4	61·7	51·3	83	1878	42	1882	1·97	—	—
Liverpool	29·976	57·0	52·8	64·0	51·1	85	1878, 93	38	1872	1·99	—	—
Parsonstown	29·981	56·2	52·9	64·9	48·5	85	1887	32	1881	2·34	173·7	35
Valencia	29·984	57·4	54·5	62·5	51·2	81	1887	40	1875, 80, 82	3·34	203·4	41
Roche's Point	29·983	57·0	53·8	64·3	51·3	80	1876, 87	41	1881	3·07	—	—
Pembroke	29·983	55·4	53·4	60·5	51·6	79	1893	38	1888	1·88	234·7	48
Scilly	30·002	57·5	55·3	61·5	53·2	75	1893	41	1888	1·76	—	—
Prawle Point	30·010	57·1	54·7	61·7	50·7	79*	1887	39*	1881	1·59	—	—
Jersey	30·019	59·0	55·9	64·9	52·8	87	1872	39	1890	1·86	243·1	51
Hurst Castle	30·007	57·9	55·7	64·6	52·0	84	1893	38	1881	1·83	—	—
Dover	29·989	58·2	55·0	63·0	52·3	77	1878	37	1890, 91, 92, 93	1·52	—	—
LONDON	30·001	58·9	54·6	69·2	50·6	91	1878	35	1880	1·99	167·4†	34†
Oxford	29·996	56·8	53·3	67·1	49·9	86	1876, 93	35	1892, 93	2·11	192·1	39
Cambridge	29·994	58·1	54·7	68·8	48·4	88	1888, 93	33	1892	2·14	195·3	40
Yarmouth	29·983	56·8	54·0	61·9	51·0	81	1877, 88	40	1892	1·86	—	—

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

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.0 ins and upwards in an anticyclone lying over the greater part of England and France with the Bay of Biscay and the south and east of Ireland.
Lowest 29.6 ins. and less in a depression with its centre over the Kattegat.
Gradients slight. Barometer falling a little in Ireland and Scotland, but rising at present in most other parts of our area.

TEMPERATURE

Highest (1) 67° at Berlin, 63° at Haparanda, and 62° at Wisby and Skudenaes; (2) 64° at Lisbon, 63° at Perpignan, and 61° at Biarritz.
Lowest 51° at Loughborough, 52° at Stornoway Ntn. and 53° at Shields York, Dungeness, the N Foreland. The maxima registered yesterday were below 60° at most of our Nn. stations, and below 65° in nearly all other places. During the night the thermometer fell to 36° at Nairn, and 38° at Aberdeen.

WIND

Light from the N. or NW. on our western and extreme northern coasts, but from the N. in all our more eastern and southern districts.
NE. over the northern parts of Scandinavia; N. in the south of Norway and NW. or W. in Denmark and Germany, but S. in the south of Sweden.
Light to moderate from the NW. over the greater part of France.

WEATHER

Fine over Gt. Britain and the W. of Norway, as well as in Germany and the S. of France.
Cloudy or dull elsewhere, with rain at Valencia (Ireland), and also at Karlstad and Faro.
Showers fell yesterday in most parts of England, and heavy rain at several of the Continental stations. Thunderstorms occurred at Prawle Pt., Hurst Castle and Biarritz.

SEA

Moderate off the E. of England, but slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

A new depression is approaching our W. coasts and seems likely to spread over the greater part of the Kingdom. Rain is therefore likely to set in again in most districts.

FORECASTS

For the 24 hours ending at NOON on 29TH JUNE 1898

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	S. winds, freshening; fine at first, then unsettled & rainy.
1	SCOTLAND EAST	
2	ENGLAND N.E.	
3	ENGLAND EAST	Same as No. 5.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	NW. to SW. winds, moderate; fine at first, some rain later.
6	SCOTLAND WEST	Same as Nos. 0 and 1.
7	ENGLAND N.W.	
8	ENGLAND S.W.	S. and SW. winds, freshening; fine at first, some rain later.
9	IRELAND NORTH	S. to W. winds, freshening; dull, some rain.
10	IRELAND SOUTH	
	WARNINGS	None issued.

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29·75	64	59	N	4	bc	2
Sumburgh Head	29·94	52	49	N	2	bc	4
Stornoway	29·99	60	54	E	3	c	3
Aberdeen	29·97	55	48	NNE	3	bc	3
Shields	29·95	53	50	N	4	o	4
Ardrossan	29·96	63	59	WSW	2	bcm	2
Malin Head ...	30·03	55	51	NNW	5	c	3
Belmullet	30·10	57	53	NNW	1	b	*
Holyhead	29·99	58	55	NNW	3	cm	2
Valencia	30·13	57	53	NW	4	c	4
Scilly	30·01	59	55	NNW	5	c	3
Jersey	29·90	62	57	NW	4	c	3
Hurst Castle ...	29·84	64	60	NW	3	cp	2
Dungeness ...	29·76	61	58	NE	2	c	1
North Foreland	29·79	60	56	N	3	bc	2
London (Westminster)	29·80	62	57	NNE	4	cp	*
Yarmouth ...	29·78	59	57	N	5	cp	4
Rochefort ...	29·91	63	61	NW	4	bc	*

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

Weather in morning cloudy or dull over the greater part of our Islands, with showers in the E. of England. Fine in Scandinavia and also in many parts of S.W. Europe, but dull in the more central parts of the Continent, with rain in several isolated places. Showers falling later over nearly the whole of England, and heavy rain at several of the Continental stations; thunderstorms occurring at Prawle Pt. and Hurst Castle, and also at Biarritz.

Temperature changed very irregularly over W.n and S.W. Europe, fallen in the central countries, risen over Russia. Morning readings highest 83° at Brindisi and Patras, 82° at Sfax, and 81° at Athens; above 70° at many of the Mediterranean and Adriatic stations. Lowest (1) 48° at Bodö, and 50° at Haparanda, Sumburgh Hd. and Wick; (2) 51° at Belfort and Limoges, and 54° at Paris. Daily maxima below 60° on most parts of our northern coasts, and below 65° at all our own stations excepting Jersey. Thermometer exceeding 70° in the S. of France, and reaching 79° at Berlin.

Wind light to fresh from the N.wd over our Islands and also on the Portuguese coasts, and from the NW.wd in the west of France. Light from the SW.wd over northern Italy, central France, Germany and the Netherlands. S.ly or SE.ly over Russia and the Baltic; NE.ly in Norway and Denmark. S.ly in Greece, but variable over the Mediterranean generally. Subsequently backing to the NW.wd in Ireland; no important change occurring elsewhere.

Barometer highest 30.1 ins. and upwards in a large anticyclone lying to the west of our Islands and Portugal, and also in another system over central Russia. Lowest 29.6 ins. and less in a complex depression with its centre over the southern parts of the Baltic. Depression subsequently moving slowly northward; new disturbance approaching our extreme west coasts at night.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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„ Weekly „ „ „ £1 10 0 „

DAILY WEATHER REPORT

for 8 a.m. on Wednesday 29th June 1898.

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

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)									PAST 24 HOURS.				
		Barom.	Temp.	Wind.			Barometer.		Temperature.			Wind.						Temp.		
		At 32° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)	Weather	At 32° Fahr. and M. S. L.	Change since Yesterday.	Dry Bulb.	Wet Bulb.	Change since Yesterday.	Direc.	Force (0 to 12.)	Weather.	Sea (0 to 9.)	Weather.	Hours of Bright Sunshine.	Max.	Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
Scandinavia.	Haparanda ...	29·93	63	N	2	b	30·02	+ ·14	66	58	+ 3	SE	2	b	*	b	*	72	46	—
	Hernösand ...	29·90	57	E	0	c	29·97	+ ·17	60	54	+ 1	NE	6	o	*	c	*	61	54	0·04
	Stockholm ...	29·82	60	E	0	b	29·93	+ ·26	60	57	0	SSE	2	o	*	b	*	68	55	—
	Wisby	29·86	57	SSW	4	b	29·96	+ ·20	64	59	+ 2	SSW	6	bc	*	b	*	68	54	—
	Karlstad ...	29·76	59	NNE	2	r	29·83	+ ·20	59	57	+ 2	NNE	2	r	*	r	*	*	*	0·20
	Bodö	29·96	58	E	9	b	29·90	− ·09	68	55	+ 14	E	4	b	1	b	*	68	50	—
	Christiansund ...	29·85	64	NE	1	b	29·88	+ ·02	57	54	+ 2	WNW	2	b	1	b	*	66	54	—
	Skudesnaes ...	29·80	57	N	6	b	29·87	+ ·11	54	53	− 8	N	4	bcf	1	b	*	66	50	*
	Færder (Christiania Fjord)	29·76	62	NE	4	o	29·82	+ ·17	60	57	− 1	NNE	4	o	2	o	*	63	57	0·04
	Skagen (The Scaw)	29·71	58	NE	2	bc	29·77	+ ·20	60	59	+ 1	NNE	3	o	0	bc	*	?	?	0·71
	Fanö	29·83	55	WNW	5	o	29·88	+ ·17	55	53	0	WNW	4	o	*	r,o	*	64	54	1·10
	Sumburgh Head	29·90	54	WNW	1	b	29·86	− ·04	55	52	+ 3	S	1	o	3	b	*	58	47	—
	Stornoway ...	29·86	58	SW	4	o	29·81	− ·05	56	55	+ 1	SSW	3	o	3	bc,o	7·4	62	50	—
	Wick	29·91	57	S	2	bc	29·87	− ·06	63	59	+ 6	SW	1	o	0	bc	*	63	51	—
	Nairn	29·87	66	E	1	bc	29·85	− ·08	66	61	+ 11	W	2	c	1	bc	*	71	47	—
	Aberdeen ...	29·93	57	SE	2	b	29·88	− ·07	64	58	+ 7	ESE	2	b	1	b	16·6	64	46	—
British Islands.	Leith	29·90	63	E	0	b	29·91	− ·05	68	61	+ 9	E	0	bc	*	b	*	70	50	—
	Shields	29·97	55	S	3	b	29·94	− ·05	61	56	+ 8	W	2	bcm	2	b	*	61	49	—
	Spurn Head ...	29·98	54	ESE	3	b	29·97	− ·01	59	55	+ 4	WNW	3	bm	3	b	*	59	50	—
	York	29·96	67	W	2	b	29·98	− ·02	60	56	+ 7	WNW	1	b	*	c,b	11·5	70	45	—
	Loughborough ...	29·98	67	WNW	1	c	30·02	− ·01	59	54	+ 8	W	2	bmw	*	bc,c,bm	*	70	42	—
	Ardrossan ...	29·94	60	S	3	a	29·93	− ·03	58	58	0	S	3	omdp	2	b,am	*	62	45	0·02
	Malin Head ...	29·91	60	NE	1	of	29·90	− ·04	55	55	+ 1	SW	3	ogr	1	of	*	64	54	0·04
	Belmullet ...	29·94	58	WSW	2	o	29·96	·00	58	57	+ 1	W	1	o	*	o,om	*	60	54	0·04
	Donaghadee ...	29·97	60	SW	3	c	29·96	− ·03	62	61	+ 5	SW	3	o	1	c	*	65	56	—
	Liverpool (Bidston)	30·01	58	NW	1	b	30·01	− ·01	62	56	+ 5	S	1	b	1	b	*	62	51	—
	Holyhead ...	30·01	58	SW	3	b	29·99	− ·03	57	56	− 2	S	2	df	1	b	*	64	53	0·02
	Parsonstown ...	29·96	62	E	0	o	29·97	− ·03	58	57	+ 1	E	0	od	*	c,od	0·9	67	56	0·09
	Valencia ...	29·99	58	SW	1	o	30·04	+ ·03	58	57	0	NW	3	f	4	om	0·0	60	55	0·11
	Roche's Point ..	30·01	57	SSW	3	f	30·01	− ·04	57	57	0	NNW	1	rm	2	f,r	*	61	55	0·05
	Pembroke (St. Ann's Hd.)	30·05	59	WSW	3	b	30·03	− ·01	57	55	+ 1	SW	4	og	3	b	15·0	61	55	—
	Scilly	30·06	62	SW	2	bc	30·04	·00	60	58	+ 2	SSW	3	m	1	bc	14·2	66	55	0·01
	Prawle Point ...	30·06	58	WSW	2	bc	30·09	+ ·03	57	56	+ 1	WSW	2	b	1	bc	*	60	50	—
	Jersey (St. Aubin's)	30·07	61	NNW	2	b	30·12	+ ·07	60	57	+ 1	WNW	1	bm	1	bc,bw	*	63	47	—
	Hurst Castle ...	30·03	60	WSW	3	c	? 30·08	+ ·05	60	56	+ 2	WNW	1	bm	1	bc,c	*	66	50	—
	Dungeness ...	30·02	58	WSW	3	bc	30·03	+ ·05	62	57	+ 9	WSW	1	c	1	c,bc	*	62	53	—
	North Foreland	30·03	57	SE	2	b	30·04	+ ·05	58	56	+ 5	W	2	c	2	bc,b	*	61	52	—
	London (Brixton) ...	30·00	64	S	1	o	30·05	+ ·03	62	56	+ 7	SW	2	b	*	o,b,um	2·1	67	51	—
	Oxford	30·01	63	W	2	c	30·05	+ ·01	60	54	+ 4	WSW	3	b	*	c	*	69	48	—
	Cambridge ...	30·02	64	SW	1	o	30·03	·00	60	55	+ 6	WSW	2	bw	*	bc,o	6·0	68	50	—
	Yarmouth ...	29·99	58	NE	3	b	30·00	+ ·05	62	57	+ 7	NW	2	b	2	bc,b	*	62	51	—
Germany & Holland.	Cuxhaven ...	29·91	55	W	3	r	29·96	+ ·14	53	53	− 4	W	3	r	*	r	*	59	52	0·47
	Berlin	29·91	64	E	0	o	30·03	+ ·23	60	57	− 7	W	2	o	*	o	*	73	55	—
	Wiesbaden ...	*	*	*	*	*	30·08	+ ·17	59	56	− 2	E	0	bc	*	*	*	68	49	—
	Munich... ..	30·08	52	E	0	r	30·15	+ ·14	57	53	0	E	3	b	*	r	*	64	51	0·83
	The Helder ...	29·97	55	NW	1	o	30·00	+ ·11	55	51	0	W	1	b	1	o	*	55	52	0·04
Belgium.	Brussels ...	*	*	*	*	*	30·09	+ ·16	55	52	0	SW	2	o	*	a	*	62	46	0·20
	Cape Gris Nez ...	?	58	WSW	1	b	?	?	56	55	+ 1	WSW	1	m	1	b	*	61	54	—
	Paris	30·03	58	W	1	r	30·13	+ ·19	53	52	0	E	0	m	*	r	*	62	48	0·08
	Brest	30·09	61	N	2	b	30·11	+ ·03	56	55	0	ENE	1	bc	1	b	*	61	48	—
	Lorient... ...	30·07	59	WNW	4	c	30·12	+ ·06	54	51	− 2	E	2	bc	2	c	*	66	50	—
France &	Rochefort ...	30·07	63	NW	4	c	30·14	+ ·11	61	59	+ 2	NNW	2	bc	*	r,c	*	68	57	—
	Belfort	29·99	56	WSW	4	bc	30·07	+ ·13	55	53	+ 1	W	1	m	*	bc	*	67	44	—
	Lyons	30·02	62	NNE	1	bc	30·12	+ ·11	60	55	+ 5	NNW	1	b	*	bc	*	67	49	0·04
	Nice	29·89	67	SW	3	b	30·04	+ ·16	63	57	+ 4	SW	1	bc	2	b	*	73	55	—
	Perpignan ...	30·07	57	W	3	r	30·14	+ ·08	60	54	− 3	NNW	2	b	*	r	*	73	50	0·28
	Biarritz ...	30·07	64	W	3	bc	30·10	+ ·04	62	57	+ 1	S	3	b	2	bc,tlr	*	64	55	0·32
Peninsula.	Corunna ...																*			
	Lisbon	30·04	63	NNW	6	b	30·05	− ·04	65	60	+ 1	N	5	bc	*	b	*	75	61	—
	Azores (P. Delgada)	30·29	66	NE	4	o	30·27	− ·01	67	64	+ 1	NE	3	bc	3	o	*	70	63	—

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

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

Bright Sunshine yesterday Southport 14·5 hrs;

WEATHER CHARTS

FOR Wednesday, 29th June, 1898

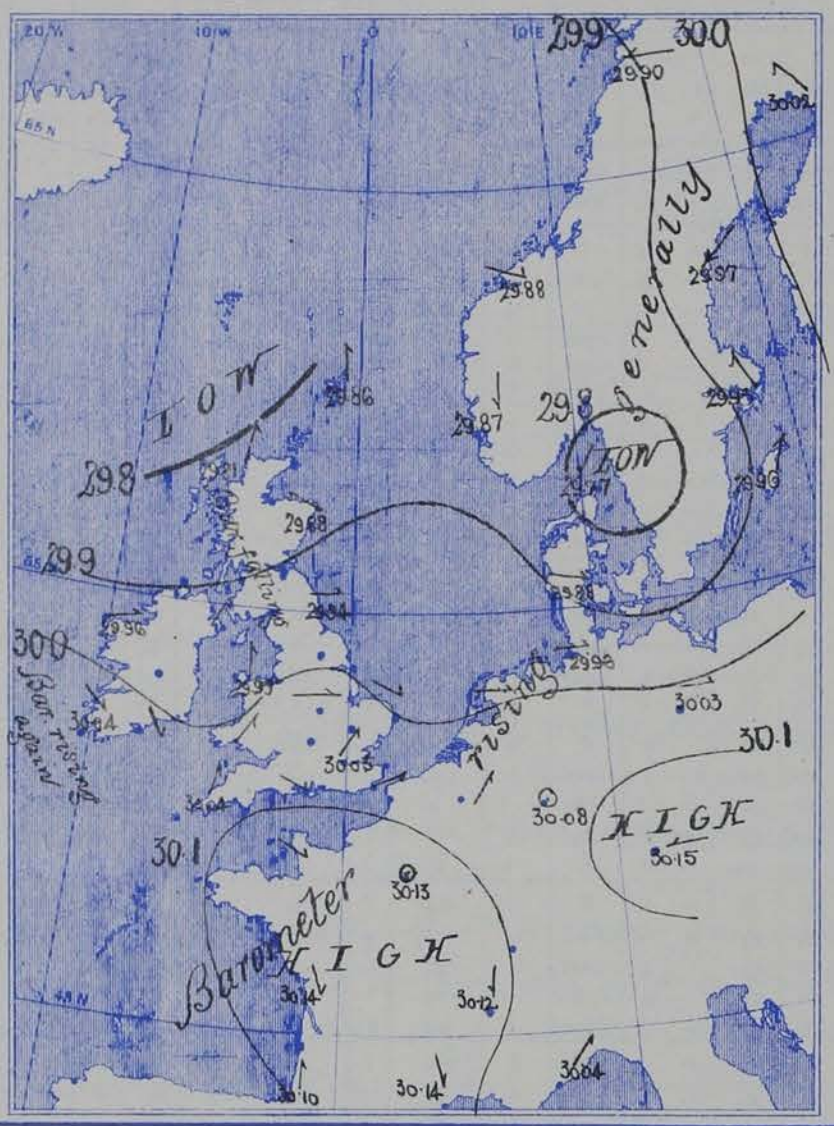
BAROMETER, WIND AND SEA.

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

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

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

SEA—Rough : High



TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

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

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

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of				Absolute Extremes.				RAINFALL. Means, 1866—95.	BRIGHT SUNSHINE. Means, 1881—95.	
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum	Years.	Minimum.	Years		Hours.	Per cent. of possible.
	(*Inches.*)	°	°	°	°	°		°		(*Inches.*)		
Sumburgh Head	29 · 898	50 · 5	48 · 7	54 · 6	45 · 0	70 ·	1891	33	1888	1 · 93	—	—
Stornoway	29 · 894	53 · 4	51 · 4	58 · 2	46 · 0	76	1893	31	1888	2 · 76	185 · 1	35
Wick	29 · 916	53 · 4	50 · 8	58 · 9	45 · 5	79	1878	30	1881	1 · 75	—	—
Nairn	29 · 917	54 · 4	51 · 0	62 · 3	47 · 3	86	1876	30	1888	1 · 73	—	—
Aberdeen	29 · 933	54 · 8	50 · 8	61 · 0	47 · 2	80	1881, 87	30	1888	1 · 80	196 · 5	37
Leith	29 · 943	55 · 9	52 · 3	63 · 9	48 · 0	86	1887	34	1886	1 · 79	—	—
Shields	29 · 959	54 9	51 · 8	60 · 6	48 · 5	76	1878, 84	37	1881, 86, 95	1 · 71	—	—
Spurn Head	29 971	55 · 3	52 · 8	60 · 3	51 · 1	80*	1885	34*	1881	1 · 64	—	—
York	29 · 979	56 · 1	52 · 7	66 · 2	48 · 4	88	1878	35	1894	2 · 21	173 · 0	34
Loughborough	29 · 991	57 · 7	53 · 8	68 · 6	48 · 8	86*	1893	32*	1895	2 · 20	—	—
Ardrossan	29 · 944	55 · 3	52 · 3	62 · 1	49 · 4	85	1878	36	1890	2 · 32	—	—
Malin Head	29 · 934	53 · 6	51 · 2	59 · 0	50 · 8	—	--	—	—	—	—	—
Belmullet	29 · 953	56 · 2	53 · 2	60 · 8	51 · 4	—	—	—	—	2 · 85	—	—
Donaghadee	29 · 959	55 · 1	53 · 0	61 · 5	49 · 7	77	1887	36	1880	2 · 03	—	—
Holyhead	29 · 976	55 · 9	53 · 4	61 · 7	51 · 3	83	1878	42	1882	1 · 97	—	—
Liverpool	29 · 976	57 · 0	52 · 8	64 · 0	51 · 1	85	1878, 93	38	1872	1 · 99	—	—
Parsonstown	29 · 981	56 · 2	52 · 9	64 · 9	48 · 5	85	1887	32	1881	2 · 34	173 · 7	35
Valencia	29 · 984	57 · 4	54 · 5	62 · 5	51 · 2	81	1887	40	1875, 80, 82	3 · 34	203 · 4	41
Roche's Point	29 · 983	57 · 0	53 · 8	64 · 3	51 · 3	80	1876, 87	41	1881	3 · 07	—	—
Pembroke	29 · 983	55 · 4	53 · 4	60 · 5	51 · 6	79	1893	38	1888	1 · 88	234 · 7	48
Scilly	30 · 002	57 · 5	55 · 3	61 · 5	53 · 2	75	1893	41	1888	1 · 76	—	—
Prawle Point	30 · 010	57 · 1	54 · 7	61 · 7	50 · 7	79*	1887	39*	1881	1 · 59	—	—
Jersey	30 · 019	59 · 0	55 · 9	64 · 9	52 · 8	87	1872	39	1890	1 · 86	243 · 1	51
Hurst Castle	30 · 007	57 · 9	55 · 7	64 · 6	52 · 0	84	1893	38	1881	1 · 83	—	—
Dover	29 · 989	58 · 2	55 · 0	63 · 0	52 · 3	77	1878	37	1890, 91, 92, 93	1 · 52	—	—
LONDON	30 · 001	58 · 9	54 · 6	69 · 2	50 · 6	91	1878	35	1880	1 · 99	167 · 4†	34†
Oxford	29 · 996	56 · 8	53 · 3	67 · 1	49 · 9	86	1876, 93	35	1892, 93	2 · 11	192 · 1	39
Cambridge	29 · 994	58 · 1	54 · 7	68 · 8	48 · 4	88	1888, 93	33	1892	2 · 14	195 · 3	40
Yarmouth	29 · 983	56 · 8	54 · 0	61 · 9	51 0	81	1877, 88	40	1892	1 · 86	—	—

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

† The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE — Highest 30.1 inches and upwards in an anticyclone lying over France, 30.0 inches and upwards over the Gulf of Bothnia. Lowest 29.8 inches and less in a depression off the northwest of Scotland and also in a small shallow system over the Kattegat. Gradients slight. Barometer falling a little in the western and northern parts of our Islands generally, but rising again in the west of Ireland; rising at all the Continental stations.

TEMPERATURE — Highest (1) 68° at Leith and 66° at Nairn, (2) 68° at Bodö and 66° at Haparanda, (3) 65° at Lisbon and 63° at Nice. Lowest 53° at Cuxhaven and Paris, 54° at Skudesnaes and Lorient and 55° at Lumbutgh Head, Mull of Kintyre, Fano, the Helder, Brussels and Belfast.

During yesterday the thermometer rose to between 65° and 70° in many parts of the United Kingdom, and to 71° at Nairn.

WIND — Light from between South and West over the greater part of our Islands, but Northwesterly in the south of Ireland.

Light from East or Southeast in the west of France, but variable or Northwesterly in the south of that country.

Easterly or Northeasterly over the northern part of Scandinavia; Northerly in the south of Norway; Westerly in Denmark; Southerly in the south of Sweden.

WEATHER — Fine over England, the east of Scotland and the western parts of the Continent generally, but dull in North Germany, Denmark and the south of Sweden, with rain at Karlstad and Cuxhaven.

Dull on our western coasts, with fog, mist or rain in many places.

Since yesterday morning a little rain has fallen in Ireland and the west of Scotland, and larger quantities at several of the Continental stations, — as much as 1·1 inch at Fanö.

SEA — Slight or smooth generally.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

In addition to the depression off the northwest of Scotland a small secondary is shown over the St. George's Channel. The latter may possibly advance eastwards, and occasion showers in some of the English districts.

FORECASTS

For the 24 hours ending at NOON on JUNE 30TH 1898

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	Southerly and Southwesterly winds, moderate; cloudy, some rain.
1	SCOTLAND EAST	Light breezes chiefly Southerly; fine at first, some showers later, possibly thunder.
2	ENGLAND N.E.	
3	ENGLAND EAST	Westerly and Southwesterly winds, light; fair generally, but perhaps local showers.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	Southerly to Westerly winds, light; cloudy, some showers.
7	ENGLAND N.W.	
8	ENGLAND S.W.	Southwesterly to Westerly winds, moderate; cloudy, misty, some local showers.
9	IRELAND NORTH	Varying Westerly breezes; cloudy, misty, some rain.
10	IRELAND SOUTH	
	WARNINGS	None Issued.

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

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

YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes ...	29.80	66	60	NNW	6	b	1
Sumburgh Head	29.90	54	49	WNW	1	b	3
Stornoway	29.86	62	57	SW	4	br	4
Aberdeen	29.93	59	52	SE	3	b	2
Shields	29.97	56	52	E	2	b	3
Ardrossan	29.95	61	58	SW	3	b	2
Malin Head ...	29.91	61	60	E	3	o	2
Belmullet	29.93	60	59	WSW	1	o	*
Holyhead	30.01	62	56	SW	2	b	1
Valencia	29.99	60	59	SSW	1	om	3
Scilly	30.06	64	60	WSW	2	bc	0
Jersey	30.06	61	55	NNE	3	bcm	3
Hurst Castle ...	30.03	62	59	WSW	2	bcm	2
Dungeness ...	30.01	60	55	NNE	2	c	1
North Foreland	30.03	57	53	NW	2	bc	2
London (Westminster)	30.00	64	57	N	3	c	*
Yarmouth ...	29.98	60	53	NNE	4	bc	4
Rochefort ...	30.06	61	61	NW	3	r	*

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

Weather in morning fine over Great Britain and the west of Norway, as well as in most parts of Central and Southern Europe. Cloudy or dull in Ireland and France, with rain at Valencia and Biarritz; dull also over Denmark, the south of Sweden and Russia, with rain at Vaasa and Karlstad. A little rain falling later over the whole of Ireland and the west of Scotland, and larger quantities at many of the Continental stations. Thunderstorm occurring at Biarritz.

Temperature rises in Ireland, Scotland and the west of Norway, changed very irregularly elsewhere. Morning readings highest 86° at Athens, 85° at Patras and Brindisi and 83° at Malta; above 70° over Southeastern Europe generally, and above 60° in Russia and Sweden. Lowest 51° at Loughborough, 52° at Sumburgh Head, and 53° at Shields, York, Dungeness, the North Foreland and Paris. Rising later to between 65° and 70° in many parts of the United Kingdom, and to 71° at Nairn; exceeding 70° in the south of France and reaching 75° at Lisbon.

Wind light from the Southward on our western and extreme northern coasts, but from the Northward in the east and south, and from the Northwest in France. Moderate to strong from the Northeast over the northern parts of Scandinavia, from the North in the South of Norway, from the west over Denmark and Germany and from the South in the south of Sweden. Variable over Italy and the south of Russia. Subsequently veering to the Southwest on our western coasts and backing to the same quarter in most other parts of the United Kingdom.

Barometer highest 30.1 inches and upwards in an anticyclone lying over the Black Sea and the south of Russia; 30.0 inches and upwards in another system over England, France and Spain and the western parts of the Mediterranean. Lowest 29.6 inches and less in a depression with its centre over the Kattegat; 29.9 inches and less in a shallow disturbance off the northwest of Scotland. No important change occurring later, but depression over Kattegat partially filling up.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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DAILY WEATHER REPORT

for 8 a.m. on Thursday 30th June 1898.

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

	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb.	Temperature. Wet Bulb.	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max.	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
Scandinavia	Haparanda ...	30·02	54	7	0	c	29·99	−·03	54	53	− 12	S	2	0	*	c	*	68	50	—
	Hernösand ...	30·00	55	N	2	c	30·00	+·03	54	53	− 6	7	0	f	*	c	*	70	54	—
	Stockholm ...	30·00	59	S	2	b	29·98	+·05	63	55	+ 3	S	6	bc	*	b	*	68	55	—
	Wisby	30·05	57	S	4	b	30·01	+·05	62	56	− 2	SW	4	b	*	b	*	70	50	—
	Karlstad ...	29·88	58	SE	2	bc	29·90	+·07	57	56	− 2	NE	4	r	*	bc	*	*	*	0·12
	Bodö	29·85	63	7	0	b	29·81	−·09	69	58	+ 1	E	4	b	1	b	*	75	55	—
	Christiansund ...	29·87	61	7	0	b	29·82	−·06	57	55	0	WNW	1	f	1	b	*	63	54	—
	Skudesnaes ...	29·88	56	WNW	2	b	29·89	+·02	56	54	+ 2	S	2	c	1	b	*	63	46	*
	Færder (Christiania Fjord)	29·84	60	ENE	2	0	29·86	+·04	58	57	− 2	NE	1	0	1	0	*	61	57	0·20
	Skagen (The Scaw)	29·81	58	NW	3	r	29·88	+·11	58	57	− 2	W	3	rw	0	r	*	63	55	0·08
	Fanö	29·97	53	W	4	0	29·99	+·11	55	52	0	W	2	b	*	0	*	57	52	—
	Sumburgh Head	29·81	56	S	1	0	29·89	+·03	53	48	− 2	N	1	c	2	c,0	*	59	47	0·05
	Stornoway ...	29·85	58	W	3	0	29·98	+·17	56	51	0	WNW	3	c	3	0	0·4	61	47	—
	Wick	29·86	56	SW	2	0	29·99	+·12	54	52	− 9	NW	3	0	2	0p	*	64	49	0·12
	Nairn	29·85	64	W	2	c	30·00	+·15	56	51	− 10	W	1	c	1	c	*	69	51	—
	Aberdeen ...	29·85	64	N	1	0pq	29·99	+·11	56	50	− 8	NNW	4	c	2	cq,0pq	7·2	70	53	0·01
	Leith	29·90	63	WSW	1	r	29·99	+·08	60	55	− 8	W	1	0	*	r	*	73	57	003
	Shields	29·93	68	W	3	0	29·98	+·04	60	60	− 1	W	3	d	2	bc,0	*	73	58	—
	Spurn Head ...	29·96	64	SE	1	b	30·00	+·03	61	60	+ 2	W	3	q	3	r,b,0	*	70	58	0·04
	York	29·96	67	W	2	c	30·00	+·02	62	60	+ 2	W	1	0	*	b,c	12·5	73	58	001
	Loughborough ...	30·01	65	WNW	3	c	30·04	+·02	62	60	+ 3	WSW	2	cm	*	bc,c,cm	*	76	58	—
British Isles	Ardrossan ...	29·93	59	S	1	0	30·04	+·11	56	54	− 2	W	3	0	2	0	*	60	53	002
	Malin Head ...	29·93	56	SW	3	f	30·07	+·17	54	53	− 1	NNW	3	0	2	f	*	57	52	003
	Belmullet ...	30·01	58	W	2	cm	30·16	+·20	56	50	− 2	N	1	0	*	0,cm	*	60	50	003
	Donaghadee ...	29·98	64	WNW	3	0	30·09	+·13	54	53	− 8	NW	4	c	2	0	*	64	53	0·07
	Liverpool (Bidston)	30·01	61	WNW	1	0	30·05	+·04	58	57	− 4	WNW	2	r	3	0,p	*	66	57	004
	Holyhead ...	30·02	56	SW	2	fdp	30·07	+·08	56	55	− 1	NW	4	df	2	f,dp	*	59	53	0·14
	Parsonstown ...	30·00	65	W	1	0	30·13	+·16	57	55	− 1	7	0	c	*	0,or	0·0	66	55	0·03
	Valencia ...	30·10	59	W	2	cm	30·20	+·16	57	53	− 1	WNW	2	c	3	cm	0·0	59	54	0·01
	Roche's Point ...	30·05	60	SSW	2	c	30·18	+·17	58	54	+ 1	NNW	3	c	2	c	*	65	56	—
	Pembroke (St. Ann's Hd.)	30·05	57	WSW	3	f	30·12	+·09	57	56	0	NW	3	0	3	f	0·0	58	56	—
	Scilly	30·07	59	WNW	2	f	30·16	+·12	58	57	− 2	WNW	3	rw	1	rw,f	0·0	63	55	0·04
	Prawle Point ...	30·11	56	WSW	3	0	30·14	+·05	58	57	+ 1	WSW	3	of	2	0,fd	*	62	56	0·02
	Jersey (St. Anbin's)	30·13	66	W	3	b	30·18	+·06	60	59	0	SW	3	od	3	b,f	*	68	57	0·01
	Hurst Castle ...	30·09	60	WSW	4	c	30·11	+·03	59	58	− 1	WSW	2	cm	2	bcm,c	*	68	58	—
	Dungeness ...	30·04	61	WSW	5	bc	30·11	+·08	58	58	− 4	WSW	4	od	3	b,bc	*	66	56	0·01
Germany & Holland	North Foreland	30·04	67	W	3	bc	30·11	+·07	60	58	+ 2	SW	3	0	2	bc	*	70	58	—
	London (Brixton) ...	30·04	70	WSW	2	b	30·09	+·04	60	58	− 2	SW	1	0	*	bc,0,r	11·6	74	50	0·02
	Oxford	30·05	63	W	2	0	30·08	+·03	60	58	0	SW	3	oq	*	bc,op	*	71	58	0·01
	Cambridge ...	30·04	71	W	1	b	30·07	+·04	61	60	+ 1	SW	2	0	*	b	14·0	74	57	—
	Yarmouth ...	29·98	63	E	3	b	30·04	+·04	62	59	0	WSW	3	c	3	b	*	67	54	—
	Cuxhaven ...	30·01	55	W	2	c	30·02	+·06	56	55	+ 3	SW	1	bc	*	0	*	57	52	0·16
	Berlin	30·05	65	SW	2	c	30·08	+·05	62	54	+ 2	WNW	3	b	*	c	*	72	54	—
	Wiesbaden ...	*	*	*	*	*	30·20	+·12	57	55	0	7	0	0	*	*	*	70	56	—
	Munich	30·13	56	NW	4	0	30·28	+·13	58	54	+ 1	W	5	bc	*	0	*	66	51	0·39
	The Helder ...	30·00	61	WSW	1	b	30·01	+·01	62	59	+ 7	WSW	1	b	1	b	*	66	48	—
Belgium.	Brussels ...	*	*	*	*	*	30·16	+·07	58	55	+ 3	W	4	b	*	b	*	60	48	—
	Cape Gris Nez ...	?	59	WNW	3	bc	?	?	56	55	0	W	4	rw	3	bc	*	63	54	—
	Paris	30·13	63	7	0	b	30·21	+·08	61	57	+ 8	SSW	2	b	*	b	*	65	51	0·04
	Brest	30·15	59	SW	4	0	30·21	+·10	56	55	0	NW	1	f	2	0	*	64	54	—
	Lorient	30·17	64	W	1	bc	30·21	+·09	59	59	+ 5	W	2	o	1	bc	*	70	54	—
France &	Rochefort ...	30·23	64	NW	4	bc	30·23	+·09	61	60	0	WNW	2	c	*	bc	*	70	55	—
	Belfort	30·03	59	WSW	2	c	30·24	+·17	57	54	+ 2	W	1	rw	*	c	*	68	54	—
	Lyons ...	30·15	64	NNW	1	bc	30·26	+·14	59	56	− 1	E	1	c	*	bc	*	69	51	0·20
	Nice	30·06	63	7	0	bc	30·16	+·12	65	57	+ 2	E	1	b	1	bc	*	68	52	1·38
	Perpignan ...	29·95	68	7	0	0	30·25	+·11	64	59	+ 4	SW	2	bc	*	0	*	77	54	—
	Biarritz ...	30·10	66	NNE	4	b	30·19	+·09	61	58	− 1	SSW	3	b	2	b	*	70	57	—
Penin-sula.	Corunna ...																*			
	Lisbon	30·06	64	NNW	5	b	30·11	+·06	71	63	+ 6	S	2	b	*	b	*	79	63	—
	Azores (P. Delgada)	30·31	65	NE	4	bc	30·32	+·05	65	64	− 2	NE	4	c	3	bc	*	72	63	—

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

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

Bright Sunshine yesterday Southport 4·8 hrs;

WEATHER CHARTS

FOR *Thursday, 30th June,* 1898

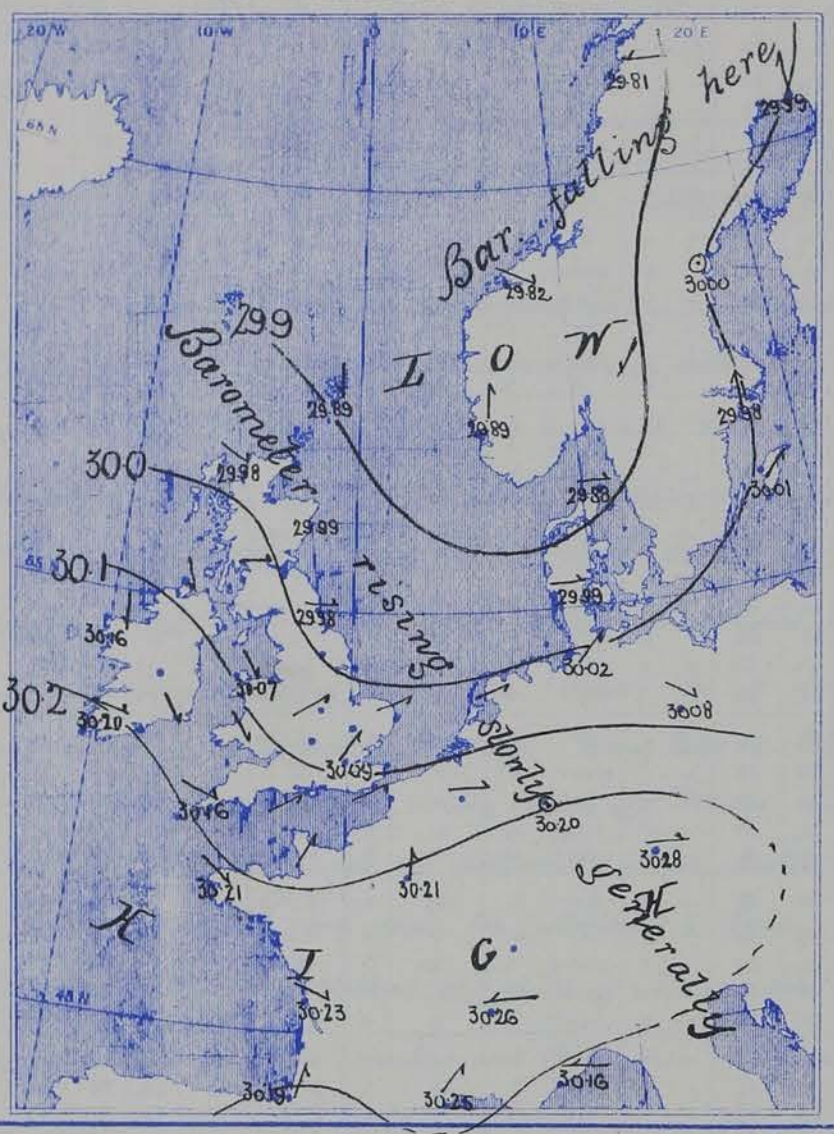
BAROMETER, WIND AND SEA.

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

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

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

SEA—Rough ; *High*

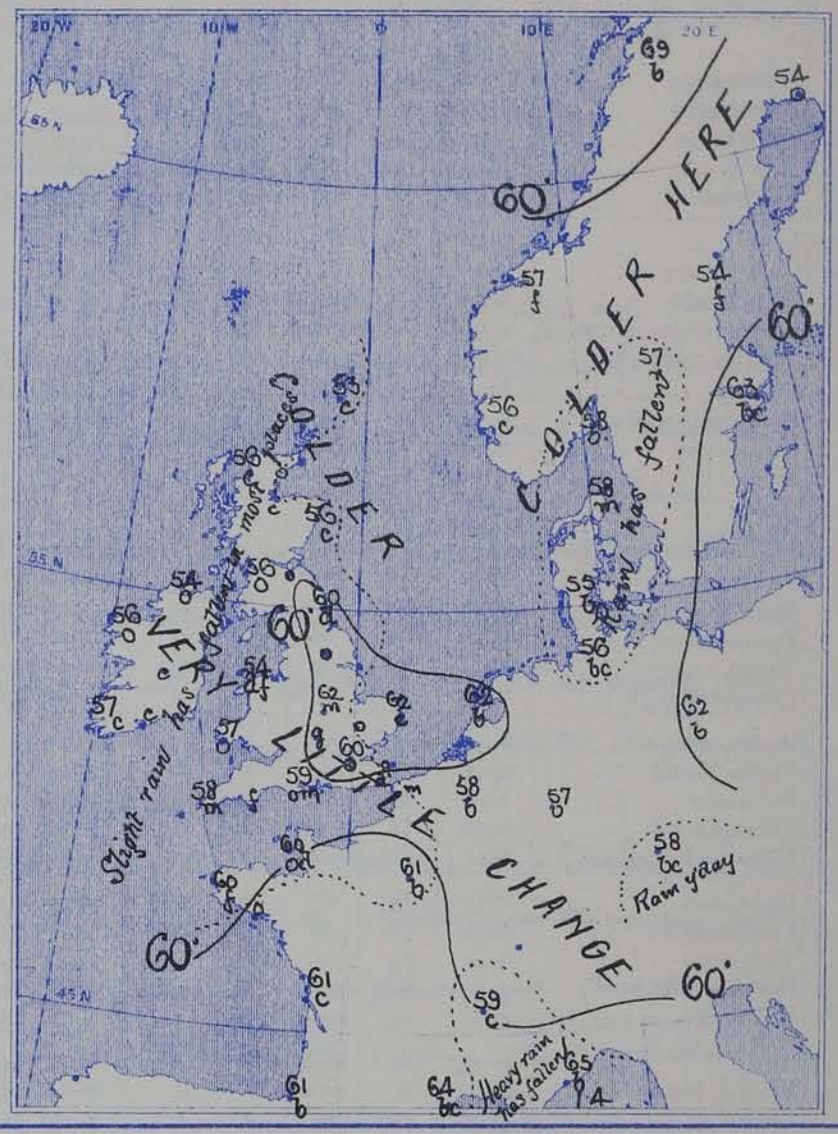


TEMPERATURE & WEATHER.

TEMPERATURE—Isotherms are drawn for each 10°.

WEATHER—Shown by Letters of the Beaufort Scale.

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



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

STATIONS.	PRESSURE AT 8 A.M. Means, 1871—95.	TEMPERATURE OF AIR. 1871-95. Means of				Absolute Extremes.				RAINFALL. Means.	BRIGHT SUNSHINE. Means, 1881—95.	
		Dry Bulb 8 a.m.	Wet Bulb 8 a.m.	Daily Maximum.	Daily Minimum.	Maximum	Years.	Minimum.	Years	1866—95.	Hours.	Per cent. of possible.
	(*Inches.*)	°	°	°	°	°		°		(*Inches.*)		
Sumburgh Head	29·898	50·5	48·7	54 6	45·0	70	1891	33	1888	1·93	—	—
Stornoway	29·894	53·4	51·4	58·2	46 0	76	1893	31	1888	2·76	185·1	35
Wick	29·916	53·4	50·8	58·9	45·5	79	1878	30	1881	1 75	—	—
Nairn	29·917	54·4	51 0	62·3	47 3	86	1876	30	1888	1 73	—	—
Aberdeen	29·933	54·8	50·8	61 0	47 2	80	1881, 87	30	1888	1·80	196·5	37
Leith	29·943	55·9	52 3	63 9	48 0	86	1887	34	1886	1 79	—	—
Shields	29·959	54 9	51 8	60·6	48 5	76	1878, 84	37	1881, 86, 95	1·71	—	—
Spurn Head	29 971	55·3	52·8	60·3	51·1	80*	1885	34*	1881	1·64	—	—
York	29·979	56·1	52·7	66 2	48 4	88	1878	35	1894	2 21	173 0	34
Loughborough	29 991	57·7	53 8	68 6	48 8	86*	1893	32*	1895	2·20	—	—
Ardrossan	29·944	55·3	52 3	62 1	49·4	85	1878	36	1890	2 32	—	—
Malin Head	29·934	53·6	51·2	59 0	50·8	—	—	—	—	—	—	—
Belmullet	29·953	56·2	53·2	60·8	51·4	—	—	—	—	2·85	—	—
Donaghadee	29·959	55·1	53 0	61 5	49·7	77	1887	36	1880	2·03	—	—
Holyhead	29·976	55·9	53 4	61 7	51·3	83	1878	42	1882	1·97	—	—
Liverpool	29 976	57·0	52 8	64·0	51·1	85	1878, 93	38	1872	1·99	—	—
Parsonstown	29 981	56·2	52 9	64·9	48·5	85	1887	32	1881	2·34	173·7	35
Valencia	29·984	57·4	54·5	62 5	51·2	81	1887	40	1875, 80, 82	3·34	203·4	41
Roche's Point	29·983	57·0	53·8	64·3	51·3	80	1876, 87	41	1881	3 07	—	—
Pembroke	29·983	55·4	53·4	60·5	51·6	79	1893	38	1888	1·88	234·7	48
Scilly	30·002	57·5	55·3	61·5	53·2	75	1893	41	1888	1·76	—	—
Prawle Point	30·010	57·1	54·7	61·7	50·7	79*	1887	39*	1881	1·59	—	—
Jersey	30·019	59·0	55·9	64·9	52·8	87	1872	39	1890	1·86	243·1	51
Hurst Castle	30·007	57·9	55·7	64 6	52·0	84	1893	38	1881	1 83	—	—
Dover	29·989	58·2	55·0	63·0	52·3	77	1878	37	1890, 91, 92, 93	1·52	—	—
LONDON	30 001	58·9	54·6	69·2	50·6	91	1878	35	1880	1·99	167·4+	34+
Oxford	29·996	56·8	53·3	67·1	49 9	86	1876, 93	35	1892, 93	2·11	192·1	39
Cambridge	29·994	58·1	54·7	68·8	48·4	88	1888, 93	33	1892	2·14	195 3	40
Yarmouth	29·983	56·8	54·0	61·9	51 0	81	1877, 88	40	1892	1·86	—	—

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

+ The Sunshine values are for Westminster.

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.2 ins. and upwards in an anticyclone spreading from the Atlantic over the Bay of Biscay, France and S. Germany.
Lowest 29.8 ins. and less in a large shallow depression off the west of Norway.
Gradients slight. Barometer rising at all but the Scandinavian stations.

TEMPERATURE

Highest (1) 71° at Lisbon, 65° at Nice and 64° at Perpignan; (2) 69° at Bodö & 63° at Stockholm, and 62° at Wisby and Berlin; (3) 62° at York, Loughborough and Yarmouth.
Lowest (1) 53° at Nairn & Dumbugh Hd., and 54° at Wick, Malin Hd. & Donaghadee; (2) 54° at Haparanda & Helsingfors.
During yesterday the thermometer rose to 70° and upwards in many parts of Gt. Britain, and to 76° at Loughborough.

WIND

Light to moderate from the NW. quad. on our western and northern coasts and from the W. quad. or SW. quad. over the greater part of England, France, Germany, Denmark & the Netherlands. S. qr. in Sweden; variable in Norway.

WEATHER

Cloudy or dull over the United Kingdom generally, with fog or mist on several parts of our W. and S. coasts, and slight rain at some of the English stations.
Fine at most of the Continental stations, but cloudy in some parts of Scandinavia, with rain at Karlstad.
Since yesterday morning a little rain has fallen in most parts of W. Europe and a considerable quantity (1.4 ins.) at Nice.

SEA

Slight or smooth generally.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The anticyclone to the S. quad. and SW. quad. of our islands seems likely to spread N.wds., and fair weather is therefore probable for a time in nearly all districts.

FORECASTS

For the 24 hours ending at NOON on 1ST JULY 1898

DISTRICTS.		FORECASTS.
0	SCOTLAND NORTH	NW. qr. to W. qr. winds, light; fair generally.
1	SCOTLAND EAST	
2	ENGLAND N.E.	W. qr. to NW. qr. winds light, some showers at first then fair.
3	ENGLAND EAST	SW. qr. to W. qr. winds, light or moderate; fair generally.
4	MIDLAND COUNTIES	
5	ENGLAND SOUTH	
6	SCOTLAND WEST	NW. qr. winds, light or moderate; fair generally.
7	ENGLAND N.W.	
8	ENGLAND S.W.	
9	IRELAND NORTH	
10	IRELAND SOUTH	
	WARNINGS	None issued

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

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YESTERDAY'S 2 P.M. REPORTS.

	BAR.	THER. Dry.	THER. Wet.	WIND. Direc.	F.	WEA.	SEA.
Skudesnaes	29.85	60	56	N	6	b	2
Sumburgh Head	29.81	56	54	S	1	c	3
Stornoway	29.82	61	58	W	3	o	3
Aberdeen	29.84	66	62	E	1	cg	1
Shields	29.92	72	63	W	2	bc	2
Ardrossan	29.93	58	58	S	2	o	2
Malin Head	29.91	57	57	SW	3	f	1
Belmullet	30.04	59	58	WSW	2	o	*
Holyhead	30.02	57	56	SW	3	f	2
Valencia	30.08	59	58	W	2	om	3
Scilly	30.06	61	60	SW	3	m	1
Jersey	30.14	66	58	WSW	2	b	2
Hurst Castle	30.09	64	61	SW	3	bcm	2
Dungeness	30.03	65	60	WSW	4	b	3
North Foreland	30.03	69	60	W	2	bc	1
London (Westminster)	30.02	73	63	SW	3	bc	*
Yarmouth	29.99	64	60	NE	3	b	2
Rochefort	30.23	68	64	NW	2	bc	*

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

Weather in morning fine over England, the E. of Scotland and the W.^m and S.^m parts of the Continent generally; dull on our own W.^n coasts, with fog mist or rain in several places. Cloudy or dull in most of the N.^n and central countries, with rain at Karlstad and Cuxhaven. Slight rain falling later in many parts of W.^n Europe and a large quantity (1.4 ins) at Nice.

Temperature risen in our Islands, changed very irregularly elsewhere. Morning readings highest 86° at Athens and Patras, 79° at Brindisi, and 78° at Hernosand; above 70° over S.E.^n Europe generally; above 65° over E.^n and central Scotland and also in the N. of Scandinavia. Lowest (1) 50° at Limoges, and 53° at Paris and Cuxhaven; (2) 54° at Skudesnaes, and 55° at Sumburgh Hd. and Malin Hd. Rising during day to 70° and upwards in many parts of Gt. Britain, France and Germany, to 76° at Loughborough, and to 77° at Perpignan; reaching 79° at Lisbon.

Wind light from between S. and W. over the greater part of our islands, but NW.^ly in the South of Ireland. Light from the W.^nd over Denmark, Germany and Austria, and from the S.^th or SE.^th over the central and southern parts of Russia; E.^ly or NE.^ly over the northern parts of Russia and Scandinavia; N.^ly in the south of Norway; NW.^ly over Italy and the southern parts of France; N.^ly or NE.^ly in Greece. No important change occurring over western Europe later.

Barometer highest 30.2 ins. and upwards over the Black Sea and the S. of Russia; 30.1 ins. and upwards over France and the neighbouring parts of the Mediterranean. Lowest 29.8 ins. and less in two shallow depressions,—one lying off the NW. of Scotland and the other over the Kattegat;—small secondary system reported over the St. George's Channel. Depression off our NW. coasts and small secondary subsequently moving E.^wds and barometer rising a little in most parts of the United Kingdom.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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ADDITIONS AND CORRECTIONS TO THE

1. REPORTS RECEIVED TOO LATE FOR INSERTION DAILY.

DATE.	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.)					THIS MORNING. (See note at bottom of last page.)									PAST 24 HOURS.				
		Barom.	Temp.	Wind.		Weather	Barometer.		Temperature.			Wind.		Weather.	Sea (0 to 9.)	Weather.	Hours of Bright Sunshine.	Temp.		Rainfall.
		At 32° and M.S.L.	Dry Bulb.	Direc.	Force (0 to 12.)		At 32° Fahr. and M. S. L.	Change since Yesterday.	Dry Bulb.	Wet Bulb.	Change since Yesterday.	Direc.	Force (0 to 12.)					Max.	Min.	
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
1	Yanö	29.46	51	SE	7	o	29.12	-.58	48	47	+2	S	5	c	4	o	-	59	46	0.24
5	Corunna	29.93	63	WNW	3	c	29.86	-	68	61	-	S	3	c	3	c	-	70	54	-
7	Corunna	29.94	59	WNW	3	o	30.01	-	61	59	-	WNW	2	f	3	o	-	72	55	-
8	Corunna	30.01	60	WNW	2	p	30.09	+.08	59	57	-2	NW	3	p	2	p	-	68	54	0.12
9	Corunna	30.14	62	NW	4	o	30.21	+.12	60	58	+1	NNE	3	b	3	o	-	64	55	-
10	Belfort	29.97	63	S	3	o	29.97	-.07	60	-	-2	W	2	f	-	o	-	66	57	0.32
-	Corunna	30.26	62	N	6	b	30.15	-.06	59	56	-1	NE	1	b	3	b	-	66	50	-
11	Corunna	30.12	70	SW	2	c	30.12	-.03	65	?	+6	E	2	m	3	c	-	?	?	-
12	Corunna	30.07	66	NW	3	b	30.14	+.02	61	59	-4	N	3	f	3	b	-	72	54	-
13	Corunna	30.10	61	N	6	f	30.11	-.03	61	59	0	N	3	f	3	f	-	63	55	-
14	Corunna	30.08	61	N	6	f	30.06	-.05	60	58	-1	N	4	o	3	f	-	63	54	-
15	Corunna	30.08	60	N	4	f	30.13	+.07	58	57	-2	N	3	f	3	f	-	63	54	-
16	Belfort	29.85	58	NE	4	o	29.85	-.04	53	-	0	ENE	3	o	-	o	-	64	50	0.04
-	Corunna	30.19	60	N	4	o	30.21	+.08	59	53	+1	?	3	fl	3	o	-	63	52	-
17	The Helder	30.15	55	N	3	o	30.21	+.05	53	-	-1	N	1	o	1	o	-	59	52	-
..	Corunna	30.14	63	N	6	b	30.20	-.01	58	55	-1	NE	1	b	3	b	-	66	48	-
18	Corunna	30.19	71	NE	3	b	30.24	+.04	64	58	+6	NE	1	b	1	b	-	72	55	-
19	Corunna	30.24	73	N	4	b	30.24	.00	64	59	0	NE	1	b	3	b	-	75	54	-
20	Brest	30.28	59	W	1	m	30.21	-	57	57	-1	W	1	m	2	m	-	63	54	-
-	Belfort	30.09	69	N	2	bc	30.06	+.04	65	-	+9	E	1	c	-	bc	-	74	55	-
-	Corunna	30.21	71	N	3	b	30.16	-.08	?	59	-	NNE	?	?	1	b	-	75	55	-
21	Corunna	30.01	74	N	3	b	30.04	-.12	64	61	-	N	1	f	3	b	-	77	55	-
22	Corunna	29.99	59	NW	3	f	30.02	-.02	60	58	-4	N	3	o	2	f	-	79	55	-
23	Corunna	30.10	60	N	4	o	30.26	+.24	59	55	-1	N	3	o	4	o	-	63	54	-
24	Corunna	30.26	60	N	4	b	30.17	-.09	59	56	0	SW	3	f	3	b	-	61	48	-
25	Corunna	30.12	64	N	3	f	30.03	-.14	59	55	0	W	3	o	4	f	-	66	54	0.12
26	Corunna	30.03	63	W	4	o	30.01	-.02	60	56	+1	W	3	o	5	o	-	64	54	-
27	Corunna	30.06	61	W	2	o	30.17	+.16	59	57	-1	NW	4	o	4	o	-	64	54	0.04
28	Corunna	30.26	61	NW	3	c	30.25	+.08	60	57	+1	NW	2	c	3	c	-	63	54	-
29	Corunna	30.16	65	NW	2	b	30.13	-.12	61	60	+1	W	2	f	3	b	-	66	57	-

REPORTS FOR JUNE 1898.

2. CORRECTIONS.

DATE.	STATIONS.	YESTERDAY EVENING. (See note at bottom of last page.) Barom. At 32° and M.S.L.	Temp. Dry Bulb.	Wind. Direc.	Wind. Force (0 to 12.)	Weather	THIS MORNING. (See note at bottom of last page.) Barometer. At 32° Fahr. and M. S. L.	Barometer. Change since Yesterday.	Temperature. Dry Bulb.	Temperature. Wet Bulb.	Temperature. Change since Yesterday.	Wind. Direc.	Wind. Force (0 to 12.)	Weather.	Sea (0 to 9.)	PAST 24 HOURS. Weather.	Hours of Bright Sunshine.	Temp. Max.	Temp. Min.	Rainfall.
		Ins.	°				Ins.	Ins.	°	°	°							°	°	Ins.
1	Stornoway	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0·08
3	Pembroke	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11·5	-	-	-
5	Jersey	-	-	-	-	-	29·82	-·20	-	-	-	-	-	-	-	-	-	-	-	-
6	Scilly	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	60	-	-
7	Liverpool	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0·09
8	Prawle Point	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0·02
"	North Foreland	-	-	-	-	-	30·09	+·07	-	-	-	-	-	-	-	-	-	-	-	-
9	Nairn	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	66	-	-
"	Dungeness	-	-	-	-	-	-	-	-	55	-	-	-	-	-	-	-	-	-	-
-	Aberdeen 2pm	-	-	-	-	-	30·28	-	-	-	-	-	-	-	-	-	-	-	-	-
10	Holyhead	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	60	-	-
"	Pembroke	-	-	-	-	-	30·17	-·05	-	-	-	-	-	-	-	-	-	-	-	-
12	Pembroke	-	-	NNW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15	Pembroke	-	-	-	-	-	30·32	-	-	-	-	-	-	-	-	-	-	-	-	-
16	Wick	-	-	-	-	-	30·30	+·01	-	-	-	-	-	-	-	-	-	-	-	-
"	London	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6·0	-	-	-
17	Scilly	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	53	-
"	Cambridge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1·9	-	-	-
19	Scilly	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12·1	-	-	-
-	Cambridge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0·03
20	Nairn	-	-	-	-	-	29·78	-	-	-	-	-	-	-	-	-	-	-	-	-
21	Belmullet	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	51	-
"	Valencia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0·03
24	Sumburgh Hd	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0·01
25	Jersey	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	54	-
26	Stornoway	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0·23
"	North Foreland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0·13
27	Malin Head	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	57	-	-
"	Scilly	-	-	-	-	-	29·94	+·36	-	-	-	-	-	-	-	-	-	-	-	-
29	Hurst Castle	-	-	-	-	-	30·08	-	-	-	-	-	-	-	-	-	-	-	-	-
30	London	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11·9	-	-	-
"	Cambridge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	54	-