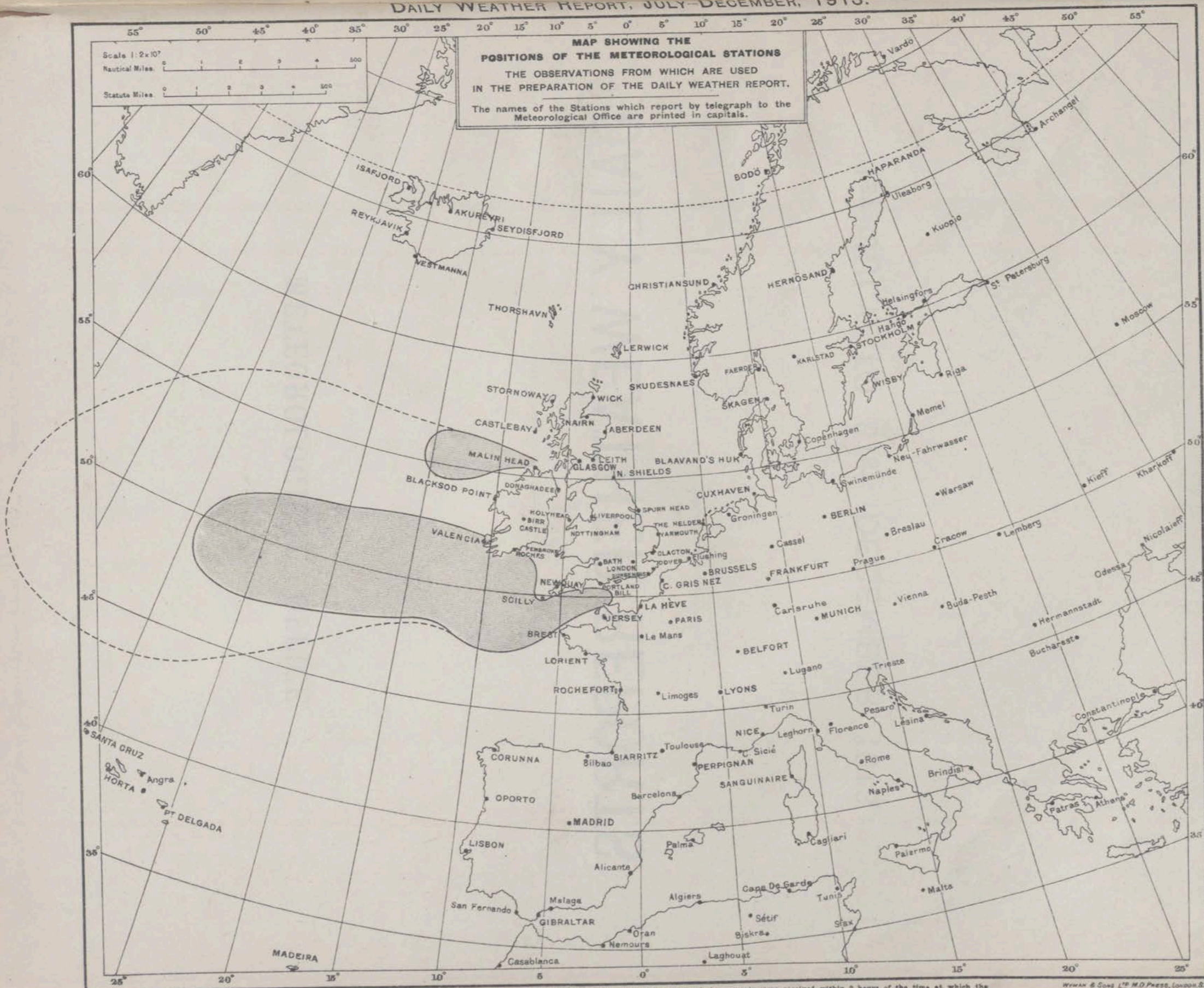


METEOROLOGICAL OFFICE.

DAILY WEATHER REPORTS.

1ST JULY TO 31ST DECEMBER 1913.



NOTE:—The shaded portions of the Atlantic and Bay of Biscay indicate the areas from which wireless reports were received within 2 hours of the time at which the observations were made. The pecked lines indicate the limits of the areas from which they were received within 24 hours.

DAILY WEATHER REPORT. APPENDIX I.

NORMAL VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE.

THIRD QUARTER, JULY TO SEPTEMBER.

(Issued as a Supplement to the Daily Weather Report of October 1st.)

STATIONS.	PRESSURE. 1906-1910. 7 a.m. Observations (reduced to M.S. Level and to Lat. 45°).	AIR TEMPERATURE.								RAINFALL. 1876-1910. Days with Rain. Total Fall.		BRIGHT SUNSHINE. 1881-1910. Average Duration. Per Centage of Possible Duration.	
		Means of				Absolute Extremes.							
		1906-1910.		1876-1910.		1876-1910.							
		Dry Bulb 7 a.m.	Wet Bulb 7 a.m.	Daily Maximum.	Daily Minimum.	Maximum.		Minimum.					
						Temp.	Year.	Temp.	Year.				
Sumburgh Head.....	29° 862	50° 5	49° 0	57° 0	48° 0	70	1897	37	1888	18	2° 32	—	—
Stornoway.....	29° 897	52° 5	50° 7	60° 1	48° 9	76	1894	32	1888	20	2° 33	144	27
Castlebay (Barra Isd.)..	[29° 874]44	[53° 9]44	[51° 9]44	[58° 3]44	[51° 3]44	[71]44	[1908]44	[47]44	[1910]44	[19]44	[2° 05]44	[161]44	[31]44
Malin Head.....	29° 903	54° 1	53° 1	60° 6	52° 4	75	1887	42	[1888, 02]4	[19]4	[2° 38]4	—	—
Blackod Point.....	29° 955	56° 3	54° 5	62° 3	53° 4	80	1894	42	[1895]4	[22]4	[3° 14]4	—	—
Valencia.....	30° 012	58° 8	54° 8	63° 9	53° 7	80	1878	40	1907	20	3° 61	156	32
Roche's Point.....	30° 014	58° 5	54° 9	65° 2	53° 8	84	1876	43	1907	15	2° 88	—	—
Birr Castle.....	29° 983	56° 8	52° 1	66° 2	51° 7	89	1876	37	1889	17	2° 99	142	28
Donaghadee.....	29° 953	54° 1	52° 5	63° 3	51° 8	81	1876	40	1883, 02	17	2° 91	—	—
Liverpool (Observatory).....	29° 971	56° 1	53° 4	65° 6	54° 2	88	1901	44	1877	15	2° 89	[186]44	[37]44
Holyhead.....	29° 969	56° 7	54° 9	63° 3	53° 6	85	1901	43	1888	16	2° 71	—	—
Pembroke (St. Ann's Hd.).....	29° 993	55° 6	54° 4	62° 3	54° 7	80	1878	43	1910	15	2° 47	209	42
Scilly (St. Mary's).....	30° 146	57° 6	55° 5	64° 7	56° 4	75	1886, 01, 02	47	1910	16	2° 24	218	45
Jersey (St. Aubin's).....	30° 056	59° 3	57° 0	68° 3	56° 3	87	1900, 01	44	1907, 09	13	2° 01	247	51
Portland Bill.....	30° 010	57° 5	55° 8	64° 7	55° 9	[79]44	[1901]44	[49]44	[1900, 07]44	11	1° 75	—	—
Dungeness.....	29° 988	58° 0	56° 0	66° 5	55° 4	82	1900	40	1890	12	1° 83	—	—
Dover.....	[29° 993]44	[58° 0]44	[55° 7]44	[64° 7]44	[52° 8]44	[74]44	[1908]44	[46]44	[1908, 09, 10]44	[15]44	[2° 61]44	[180]44	[37]44
Wick.....	29° 885	52° 2	50° 3	61° 1	48° 4	81	1878	30	1880	18	2° 06	—	—
Nairn.....	29° 892	53° 0	50° 7	64° 2	49° 4	86	1878	36	1906	17	2° 07	[135]**	[36]**
Aberdeen.....	29° 909	54° 5	51° 9	63° 1	50° 3	86	1878	38	1898, 03	17	2° 79	160	30
Leith.....	29° 915	55° 4	52° 3	66° 0	51° 3	86	1878	41	1887, 8, 92, 03	17	2° 73	—	—
North Shields.....	29° 931	55° 5	52° 9	64° 2	55° 1	85	1878	39	1909	15	2° 56	—	—
Spurn Head.....	29° 944	56° 4	54° 3	64° 9	54° 6	[84]*	[1881, 1900]*	[44]*	[1888]*	13	1° 82	—	—
Yarmouth.....	29° 959	57° 1	54° 6	66° 0	54° 6	87	1881	42	1890	14	2° 44	[177]44	[36]44
Clacton-on-Sea.....	29° 988	58° 0	55° 5	67° 7	54° 6	[82]44	[1905]44	[40]44	[1902]44	10	1° 80	[202]44	[41]44
Nottingham.....	29° 974	56° 7	54° 4	70° 1	52° 1	92	1876	37	1888	15	2° 39	[190]44	[38]44
Bath.....	30° 019	58° 5	55° 4	69° 4	53° 4	[91]44	[1876]44	[39]44	[1906]44	13	2° 63	204	41
Oxford.....	29° 987	58° 3	54° 8	70° 0	53° 5	90	1876, 00	41	1888	14	2° 47	201	41
LONDON { Westminster.....	29° 990	57° 8	55° 1	[69° 7]44	[54° 8]44	[83]44	[1908]44	[45]44	[1907]44	[14]44	[1° 99]44	179	36
{ Kew.....	30° 009	57° 7	54° 8	70° 8	54° 3	90	1881	43	1882, 84	13	2° 30	204	41
Sumburgh Head.....	29° 788	51° 5	40° 9	57° 2	48° 3	82	1910	38	1885, 95, 09	20	3° 11	—	—
Stornoway.....	29° 838	52° 9	51° 3	60° 0	49° 0	75	1897, 99	33	1888	22	3° 69	132	28
Castlebay (Barra Isd.)..	[29° 874]44	[54° 2]44	[52° 5]44	[58° 5]44	[51° 5]44	[68]44	[1910]44	[47]44	[1908, 09]44	[20]44	[4° 07]44	[139]44	[30]44
Malin Head.....	29° 856	54° 8	54° 0	61° 0	52° 9	80	1900	43	1891	[22]44	[3° 09]44	—	—
Blackod Point.....	29° 907	57° 0	55° 1	63° 0	53° 5	[78]44	[1900]44	[43]44	[1887, 88]44	[23]44	[4° 84]44	—	—
Valencia.....	29° 976	57° 5	55° 5	64° 2	53° 9	81	1899	42	1890	23	6° 09	152	34
Roche's Point.....	29° 985	56° 6	55° 5	64° 9	53° 8	80	1880	44	1883, 03, 01	17	4° 01	—	—
Birr Castle.....	29° 949	56° 5	54° 9	65° 6	51° 2	82	1893, 99, 00	35	1885, 87	18	3° 85	142	32
Donaghadee.....	29° 912	54° 0	53° 3	63° 1	52° 0	78	1899	38	1886	19	3° 37	—	—
Liverpool (Observatory).....	29° 941	56° 7	54° 2	65° 1	54° 0	85	1876, 84, 93, 99	44	1885	17	3° 16	[101]44	[36]44
Holyhead.....	29° 941	57° 3	55° 7	63° 4	54° 1	83	1893	46	1888	17	3° 39	—	—
Pembroke (St. Ann's Hd.).....	29° 971	57° 0	55° 8	62° 8	55° 3	78	1899	47	1855, 88	16	3° 27	193	43
Scilly (St. Mary's).....	30° 126	58° 7	56° 9	65° 0	56° 9	75	1893, 99	50	1885, 90, 96	17	2° 88	224	51
Jersey (St. Aubin's).....	30° 057	61° 2	58° 5	68° 8	57° 2	89	1893	45	1890, 09	15	2° 43	242	55
Portland Bill.....	30° 003	59° 3	57° 5	65° 5	56° 8	[78]44	[1901]44	[49]44	[1904, 10]44	13	2° 00	—	—
Dungeness.....	29° 992	59° 6	57° 6	67° 2	56° 0	83	1904	39	1890	13	2° 13	—	—
Dover.....	[29° 993]44	[59° 3]44	[56° 9]44	[66° 4]44	[53° 8]44	[83]44	[1909]44	[46]44	[1908]44	[15]44	[2° 49]44	[220]44	[50]44
Wick.....	29° 827	52° 4	50° 9	61° 1	48° 2	85	1893	30	1890	20	2° 75	—	—
Nairn.....	29° 836	52° 7	51° 0	63° 7	49° 1	80	1899	33	1885, 91, 04	19	2° 59	[132]**	[28]**
Aberdeen.....	29° 860	54° 5	52° 4	62° 7	49° 9	81	1899	33	1885	18	2° 95	162	33
Leith.....	29° 866	55° 4	52° 9	65° 6	51° 1	85	1893, 99, 06	38	1881, 92	17	2° 96	—	—
North Shields.....	29° 898	55° 6	53° 4	64° 1	51° 2	83	1893, 1906	39	1892, 02	16	2° 84	—	—
Spurn Head.....	29° 927	57° 2	55° 3	64° 9	54° 6	[87]*	[1893]*	[45]*	[1900]*	15	2° 13	—	—
Yarmouth.....	29° 957	58° 0	55° 0	66° 2	54° 4	85	1893	41	1902	15	2° 51	[206]44	[46]44
Clacton-on-Sea.....	29° 987	58° 9	56° 4	67° 6	55° 0	[84]44	[1909]44	[43]44	[1908]44	13	1° 90	[211]44	[47]44
Nottingham.....	29° 957	56° 3	54° 7	68° 7	51° 4	94	1876	37	1870, 08	17	2° 02	[181]44	[40]44
Bath.....	30° 006	58° 0	55° 0	68° 9	52° 5	[92]44	[1876]44	[40]44	[1877, 04]44	14	3° 00	198	44
Oxford.....	30° 008	58° 9	55° 8	68° 9	52° 7	90	1876, 06	39	1892	14	2° 47	187	42
LONDON { Westminster.....	29° 991	58° 2	56° 2	[69° 7]44	[54° 7]44	[91]44	[1908]44	[46]44	[1905, 07]44	[13]44	[1° 80]44	173	39
{ Kew.....	30° 006	57° 9	55° 5	69° 6	53° 6	92	1876	41	1890	14	2° 30	191	43
Sumburgh Head.....	30° 000	49° 0	47° 8	54° 8	45° 3	69	1898	34	1887, 88	20	3° 18	—	—
Stornoway.....	30° 037	50° 7	49° 1	57° 5	45° 2	77	1906	32	1885	21	3° 06	115	30
Castlebay (Barra Isd.)..	[30° 041]44	[52° 4]44	[50° 5]44	[56° 8]44	[49° 9]44	[67]44	[1910]44	[44]44	[1908, 09, 10]44	[16]44	[3° 17]44	[129]44	[34]44
Malin Head.....	30° 059	52° 8	52° 2	58° 8	50° 7	[84]44	[1909]44	[38]44	[1890]44	[18]44	[2° 76]44	—	—
Blackod Point.....	30° 090	55° 0	53° 2	60° 0	51° 2	[78]44	[1899]44	[39]44	[1890]44	[20]44	[4° 08]44	—	—
Valencia.....	30° 114	53° 6	51° 7	61° 8	51° 3	79	1898, 06	35	1899	19	4° 09	132	35
Roche's Point.....	30° 127	54° 1	53° 1	61° 8	51° 3	74	1880	39	1893	15	3° 11	—	—
Birr Castle.....	30° 114	52° 4	51° 0	61° 9	47° 2	80	1906	29	1890	15	2° 53	126	33
Donaghadee.....	30° 107	52° 0	51° 0	60° 2	49° 3	75	1906	36	1882, 94, 99, 09	16	2° 82	—	—
Liverpool (Observatory).....	30° 120	53° 0	50° 7	61° 3	50° 8	87	1906	39	1886	15	2° 55	[114]44	[30]44
Holyhead.....	30° 109	54° 9	53° 1	60° 8	51°								

DAILY WEATHER REPORT. APPENDIX I.

NORMAL VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE.

FOURTH QUARTER, OCTOBER TO DECEMBER.

(Issued as a Supplement to the Daily Weather Report of December 1st.)

OCTOBER.	STATIONS.	PRESSURE. 1906-1910. 7 a.m. Observations (reduced to M.S. Level and to Lat. 45°).	AIR TEMPERATURE.								RAINFALL. 1876-1910. Days with Rain. Total Fall.		BRIGHT SUNSHINE. 1881-1910. Average Duration. Per Centage of Possible Duration.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
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			Dry Bulb 7 a.m.	Wet Bulb 7 a.m.	Daily Maximum.	Daily Minimum.	Maximum.		Minimum.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
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DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

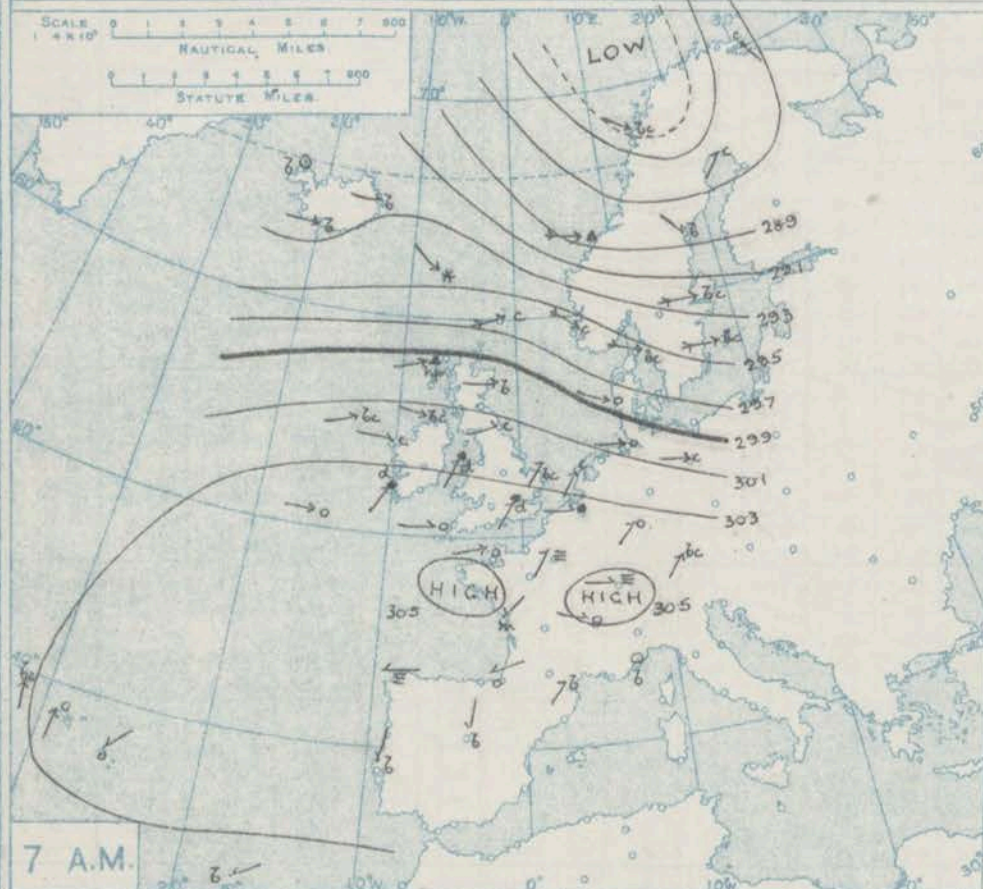
Monday,
1st December, 1913.

STATIONS.		YESTERDAY EVENING.					THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.							Sun- shine for Yester- day.
		BAROM.		TEMP.		WIND.	Force (0 to 12).	Weather	BAROMETER.		TEMP.		WIND.	Force (0 to 12).	Weather.	Sea (0 to 9).	Rain fall.	TEMP.		WEATHER.				
		At 32° F. and M.S.L. Lat. 46°	Dry Bulb.	Dirac.	Force (0 to 12).				At 32° F. and M.S.L. Lat. 46°	Change since 4 a.m.	Dry Bulb.	Change since Yester- day.						Dirac.	Force (0 to 12).	Weather.	Max.	Min.	Morning. 7 a.m. to 1 p.m.	
		In.	F.				In.	In.	F.							In.	F.	F.				Hours		
BRITISH ISLANDS.	Lerwick	29.42	40	WSW	6	cq	29.48	+0.2	36	-6	WSW	5	ch	5	0.48	43	32	oph.cq	cphq	cphlg	*			
	Stornoway	29.73	41	W	6	bcpq	29.79	+0.2	37	-4	NW	6	bcq	5	0.33	43	37	bcpq	bcpq	bcp.hlg	0.0			
	Castlebay (Barra Isd.)	29.86	45	NNW	7	cq	29.91	'00	44	+1	NNW	6	bc	6	0.06	47	37	ophq	op.cq	kqp.b	0.1			
	Glasgow	29.96	43	WSW	4	o	29.95	+0.1	39	-3	W	3	o	*	0.09	44	38	cdpq	orthp	op.bcf	1.7			
	Malin Head... ..	29.97	45	W	7	cq	29.97	+0.1	45	0	W	7	cq	6	0.11	48	42	cmq	cmprq	cmnp	*			
	Blacksod Point ...	30.15	47	NNW	5	odp	30.13	'00	45	-1	NNW	3	c	3	0.09	49	44	cg	cgpd	omr	*			
	Valencia	30.26	52	WSW	2	om	30.22	'00	49	-3	NNW	2	ogm	4	0.08	53	49	om	om	omr	0.0			
	Roches Point	30.27	53	WSW	3	o	30.20	*	49	-3	NNW	2	o	2	0.05	54	49	opd	ode	oe.o	*			
	Birr Castle	30.19	48	SW	1	c	30.16	*	45	-1	W	1	o	*	0.06	54	44	c	c	or.o	1.8			
	Donaghadee	30.10	45	W	3	un	30.06	'00	41	-3	W	2	bc	2	Trace	46	41	bc.cm	cm	cp.c.bc	*			
ICELAND, FAEROE, &c.	Liverpool Obsy. ...	30.15	48	W	3	o	30.10	'00	46	-1	W	4	o	3	0.20	50	45	or	o	or	0.0			
	Holyhead	30.21	51	W	3	oz	30.14	+0.2	48	-1	W	3	aq	4	Trace	51	47	a.c.bc.o	a.b.c.o	ogp.d.o	1.3			
	Pembroke (St. Ann's Hd)	30.27	52	W	6	o	30.16	+0.2	50	-2	NW	3	ogp	4	0.06	54	49	cg	cg	agp.d.o	0.3			
	Newquay	30.34	50	WSW	2	o	30.26	'00	53	+2	W	4	o	4	-	53	50	ogp.d.bc	c.b.m	om	1.9			
	Scilly (St. Mary's) ...	30.36	51	W	4	cq	30.29	-0.2	52	+1	W	5	ov	4	0.01	53	49	cmd	cm	c.ogv	0.9			
	Jersey (St. Aubin) ...	30.41	51	SW	3	omd	30.32	*	51	0	W	3	c	3	0.07	53	50	a.omd	omd.e.d	omc	0.0			
	Portland Bill	30.33	53	WSW	3	o	30.24	-0.1	53	+3	W	4	o	2	-	55	50	c	c	e.o	*			
	Dungeness	30.30	53	WSW	4	o	30.19	-0.4	52	0	W	4	o	4	-	54	51	a.bc	c.b.o	o.c.o	*			
	Dover	30.25	51	SW	2	o	30.15	*	50	-1	SW	4	c	4	Trace	53	49	o.c.bc	b.b.c.o	oc	1.8			
	Wick	29.65	39	WSW	4	t	29.70	+0.3	36	-1	W	4	bcq	4	0.18	41	34	bcq	bcq.or	o.b.c.p	*			
SCANDINAVIA.	Nairn	29.75	42	W	4	o	29.82	*	37	-5	W	3	ogp	3	0.14	44	35	e.bc	g.cp	g.ep	1.4			
	Aberdeen	29.78	44	WSW	5	bc	29.81	+0.2	39	-3	WSW	4	b	2	-	46	38	b.b.cq	c.bc	bcdq	3.2			
	Leith	29.94	44	SW	3	c	29.90	+0.2	42	-1	W	3	b	*	-	46	40	bc.c	c.o	bc	*			
	North Shields	30.03	46	WSW	3	o	29.94	-0.1	42	-3	WSW	3	c	2	-	47	42	c	c.o	o.c.	1.5			
	Spurn Head	30.10	48	W	5	bc	30.03	'00	47	-4	W	5	cq	4	0.02	51	46	cp	bc	bc.o	0.6			
	Yarmouth	30.16	52	W	2	bc	30.08	-0.2	50	0	W	2	bc	2	0.09	55	48	bcm	bcm	bc.r	5.2			
	Clacton-on-Sea	30.24	51	WSW	2	o	30.11	-0.2	50	-1	WSW	3	c	2	-	54	49	bc.c	c.o	o.c	3.5			
	Nottingham... ..	30.17	51	W	2	o	30.09	*	47	-5	W	2	o	*	0.01	53	47	cm	c.o	od.c	0.2			
	Bath	30.27	52	W	4	o	30.17	*	53	+1	W	4	o	*	0.05	55	50	d.o	o.c	od.r.o	0.5			
	London (Kew Obsy.)...	30.27	52	WSW	2	o	30.15	-0.1	51	-1	WSW	3	o	*	-	54	51	o	o	o.o.o	0.2			
GERMANY, &c.	Spitzbergen																							
	Isafjord... ..	29.36	23	NW	2	bc	29.50	+0.3	20	-2	N	2	b	*	*	*	*							
	Reykjavik	29.37	30	W	7	3	29.49	-0.2	26	+2	-	0	c	*	*	*	*							
	Vestmanna	29.39	30	NNW	9	c	29.52	+0.2	29	+6	-	0	bc	3	*	*	*	*						
	Seydisfjord	29.26	21	W	2	c	29.49	+0.3	19	-5	SW	3	b	*	*	*	*							
	Thorshavn	29.26	32	NW	5	3	29.40	+0.1	32	-2	NW	6	s	*	*	*	*							
	Haparanda	28.34	31	NE	2	o	28.58	+0.3	18	-13	W	2	c	*	0.04	32	16							
	Hernösand	28.82	36	NW	6	o	28.91	-0.2	31	-5	-	0	b	*	-	39	30							
	Stockholm	27.29	39	W	8	b	27.06	-0.6	41	-5	W	6	o	*	-	46	36							
	Wisby	27.47	45	NW	9	b	27.25	-0.8	43	-6	W	8	bc	*	-	49	43							
FRANCE.	Karlstad	29.41	39	W	6	b	27.15	'00	39	-4	WSW	6	b	*	-	43	37							
	Vardö																							
	Bodö																							
	Christiansund	29.17	39	NNW	6	c	29.04	+0.2	33	-5	NW	2	s	6	0.47	39	32							
	Skudesnaes	27.52	41	NNW	10	t	27.25	+0.2	29	-6	NNW	10	c	8	0.51	45	39							
	Færder (X'lania Fjord)	29.41	42	WSW	8	b	29.25	'00	40	-4	WSW	8	b	4	-	45	39							
	The Scaw (Skagen)...	29.61	45	NNW	9	o	27.40	-0.1	42	-5	NW	9	b	3	0.08	47	41							
	Blaavands Huk	29.87	47	W	5	o	27.72	+0.1	49	+1	NNW	8	o	5	0.04	49	41							
	Cuxhaven	30.02	46	W	4	o	29.85	-0.2	47	-3	W	4	og	1	0.08	50	46							
	Berlin	30.08	46	W	2	o	29.91	-0.2	49	-3	W	6	o	*	0.35	52	45							
SPAIN, PORTUGAL, &c.	Frankfurt	30.32	46	W	3	o	30.22	'00	44	-3	SW	4	o	*	-	50	44							
	Munich	30.36	46	WSW	2	b	30.30	-0.2	39	-3	SW	3	b	*	-	50	36							
	The Helder	30.13	50	WSW	4	o	30.02	-0.1	50	-2	W	6	o	3	0.04	52	48							
	Brussels	30.29	49	SW	2	t	30.18	-0.2	48	-1	SW	2	t	*	0.20	50	47							
	C. Gris Nez... ..	30.29	53	W	6	o	30.19	-0.2	52	-1	W	6	c	6	-	55	52							
	La Hève	30.38	49	SW	5	f	30.29	*	48	0	WSW	4	o	4	0.04	50	46							
	Ushant... ..	30.43	50	W	3	f	30.25	*	52	0	NNW	3	f	5	-	54	46							
	Brest (St. Mathieu) ...	30.40	49	SSW	1	o	30.38	'00	50	+1	NNW	1	f	3	0.08	52	49							
	Lorient (Bec Melen)...	?	50	WSW	2	o	?	*	45	-5	WSW	1	f	2	-	57	43							
	Rochefort (Ile d' Aix)	30.41	47	NE	3	o	30.38	'00	43	-2	NE	3	f	*	Trace	50	43							
PORTUGAL, &c.	Biarritz	30.44	50	EHE	2	o	30.38	'00	46	-4	ESE	2	f	2	-	50	43							
	Paris	30.41	41	SW	2	o	30.34	-	41	0	SSW	2	o	*	Trace	42	39							
	Belfort	30.48	40	W	4	f	30.39	*	32	-7	W	4	f	*	-	46	31							
	Lyons	30.48	43	-	0	o	30.41	*	41	-3	-	0	f	*	-	48	40							
	Nice	30.34	51	-	0	b	30.30	-0.0	46	-7	-	0	b	1	-	61	46							
	Perpignan	30.35	47	N	1	b	30.32	-0.1	39	-8	SW	1	b	*	-	60	37							
	Sanguinaire... ..	30.32	59	E	1	m	30.29	*	54	*	E	2	m	4	-	64	52							
	Corunna (8 a.m.) ...	30.35	58	ESE	1	b	30.38	'00	43	?	E	1	f	3	-	63	39							
	Lisbon (9 a.m.) ...	30.28	52	N	3	b	30.32	+0.4	50	0	N	4	f	5	-	61	48							
	Gibraltar	30.29	62	E	4	c	30.27	*	59	*	E	4	o	2	-	63	58							
Azores (Horta, 8 a.m.)	30.28	*	SSE	4	bc	30.27	'00	61	-1	SE	4	o	2	-	66	59								
Madeira (Funchal) ...	30.26	59	E	2	b	30.28	+0.3	59	-3	E	2	bc	2	-	72	57								

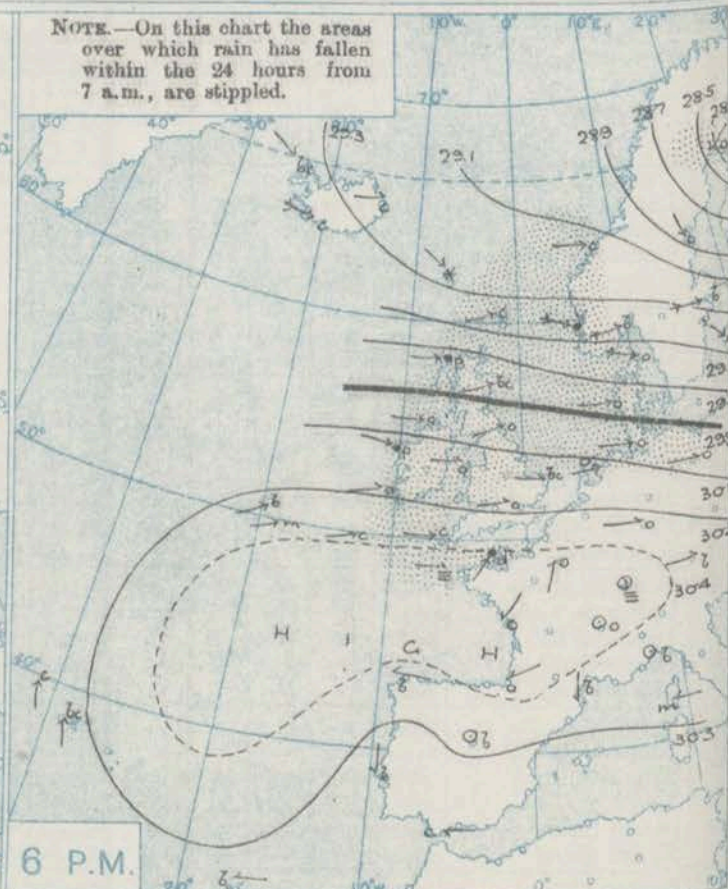
* Information for these columns not usually received.

† Received too late for insertion in Charts.

BAROMETER, WIND AND WEATHER FOR 7 A.M. AND 6 P.M. 30TH NOVEMBER.



NOTE.—On this chart the areas over which rain has fallen within the 24 hours from 7 a.m., are stippled.



GENERAL INFERENCE

WEATHER PROSPECTS.

The changes in progress favour a more wintry type of conditions over our northern districts,

but in the south no important variation is indicated.

FORECASTS FOR THE 24 HOURS NOON MONDAY

TO NOON TUESDAY.

- 0 {
a } Westerly and North-Westerly winds,
b } fresh to strong or high at times; a gale
locally; squally, changeable, some hail
or snow; cold.

- 2 {
a } Westerly winds, fresh at times;
b } squally, fair to dull, some hail showers;
moderate temperature.

- 3 {
a } Light to moderate Westerly breezes
b } fair to dull, mist and slight passing
showers in places; mild.

- 4 {
a }
b }

- 5 {
a }
b }

FORECAST DISTRICTS.



STORM WARNINGS.

The Coasts upon which the Warning Signals are at present displayed are indicated thus:—

Signals hoisted yesterday.	Signals hoisted this morning.
South Cone	South Cone
North Cone	North Cone

SOUTH CONE REMOVED at 7 pm yesterday in Districts 0-2, 6 and 9

- 6 {
a } Same as Nos. 0 and 1
b }

- 7 {
a } Same as No. 2.
b }

- 8 {
a } Same as Nos. 3 to 5
b }

- 9 {
a } Westerly and North-Westerly winds,
b } fresh or strong at times; fair to dull, some
rain or hail showers; moderate temperature.

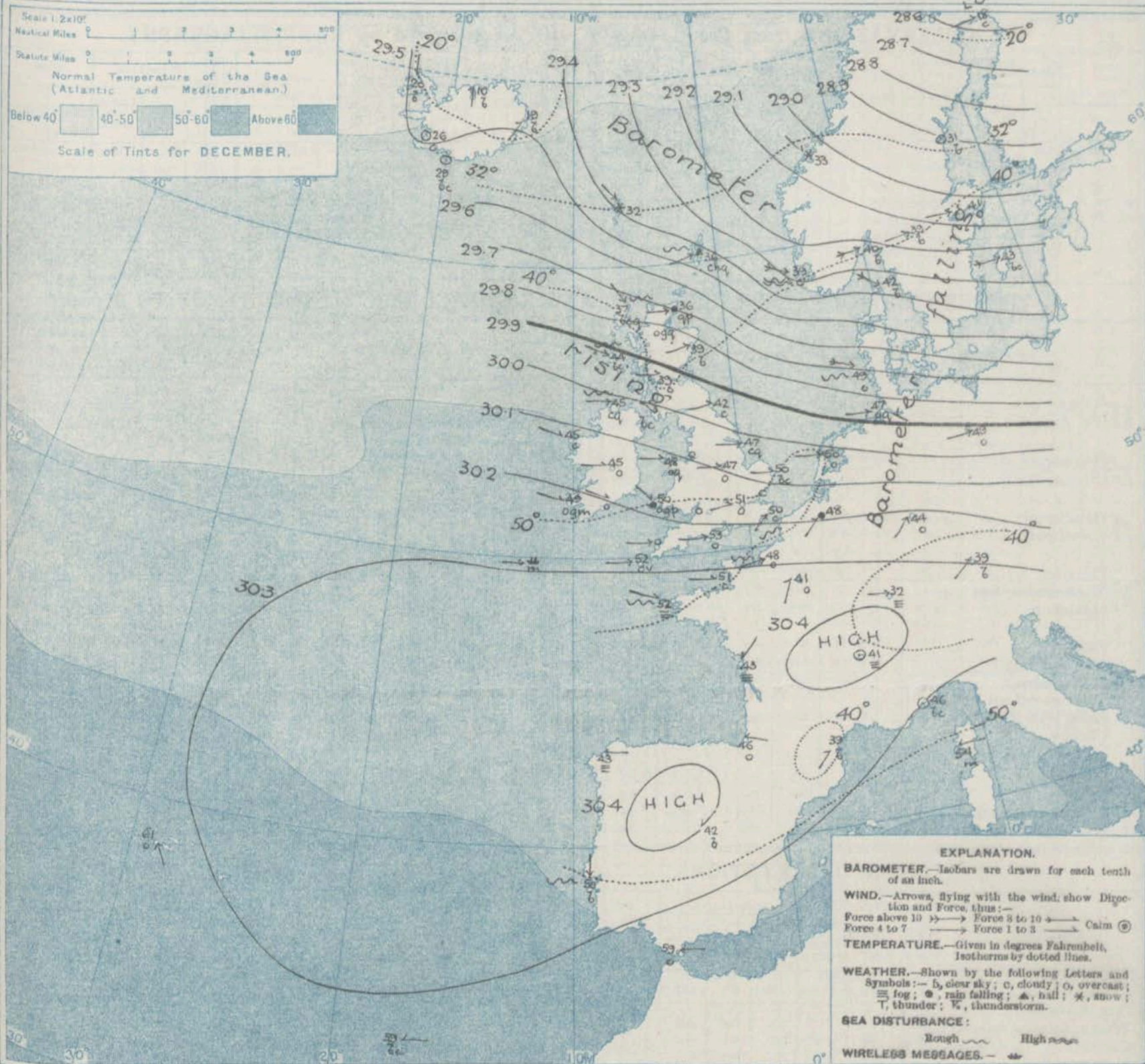
- 10 {
a } Same as Nos. 3 to 5.
b }

11 WESTERN CHANNEL AND BAY.

Westerly breezes, fresh at times; sea slight to moderate; fair to dull and foggy; moderate temperature.

THE FURTHER OUTLOOK.

SYNOPTIC CHART FOR 7 A.M. MONDAY, 1ST DECEMBER 1913.



NOTES ON THE GENERAL SITUATION AT 7 A.M.

The central space of an anticyclone, with the barometer above 30.3 in., extends from Bavaria across the Bay of Biscay to the Atlantic. In a deep depression over Lapland pressure is at about 28½ in. The gradient is very steep across the upper part of the North Sea and the Baltic, moderate to slight elsewhere.

Winds from westerly directions prevail over nearly the whole of our area; light to moderate over the southern regions, strong on our North-Western coasts, strong to a severe gale over Southern Scandinavia and Denmark. Over the British Isles temperature ranges from 36° at Lerwick and Wick to 53° at Bath, Newquay

and Portland; on the Continent from 18° at Haparanda to 52° at Cape Gris Nez, and 59° at Gibraltar; and in Iceland from 10° to 29°. The sky varies from cloudless to overcast. Rain is falling at Lorient and Brussels, hail in Shetland, and snow at Christiansund and the Faeröe. The atmosphere is foggy along the west coast of France. A very high sea is running on the Norwegian coast, and it is rough round our own northern coasts.

DAILY WEATHER REPORT.

Monday, 1st December, 1913.

OBSERVATIONS from the ATLANTIC OCEAN received by RADIOTELEGRAPHY.

DATE AND HOUR.	POSITION.		NAME OF SHIP.	O- Outward. H- Homeward.	BAROMETER.		WIND.		WEATHER.	DATE AND HOUR.	POSITION.		NAME OF SHIP.	O- Outward. H- Homeward.	BAROMETER.		WIND.		WEATHER.
	Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.			Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.	
1st. 7 a.m.	49	11	Lapland	O	30.29	-0.03	W	4-5	m	30th 7 a.m.	49	21	Manitow	H	30.26	+0.01	SE	1-3	f
30th 6 p.m.	50	19	Montfort	O	30.31	+0.01	SW	6-7	bc	"	50	15	Menominee	O	30.41	+0.02	W	4-5	bc
"	49	19	Manitow	H	30.38	+0.01	WSW	4-5	m	"	55	13	California	H	30.16	-0.02	WSW	6-7	bc
"	49	11	Manitow	O	30.39	-0.01	WSW	4-5	c										

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.	STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.
			Max.	Min.	Forenoon.	Afternoon.					Max.	Min.	Forenoon.	Afternoon.	
		In.	F.°	F.°			Hr.			In.	F.°	F.°			Hr.
Scot- land.	{ Oban							{ Margate			55	43	bc	bc	1.5
	{ St. Andrews								{ Ramsgate	0.02	56	44	*	*	2.0
Eng. N.E.	{ Harrogate	0.09	46	43	c.bc.c	c.bc.c	0.8	{ Folkestone		55	48	o	o	0.5	
	{ Scarborough		55	45	c.b	bc	1.2	{ Hythe						0.6	
Eng. N.W.	{ Blackpool	0.08	52	46	or.c	c.o.	1.2	{ Littlestone					*	*	0.0
	{ Southport	0.08	49	46	or.o	bc.o.c	0.5	{ Hastings		54	49	o	o	0.0	
Mid- lands.	{ Buxton	0.10	50	44	c.or	c.o	0.0	{ Bexhill-on-Sea		54	50	o	o	0.0	
	{ Leamington Spa		56	47	c.b	o.	2.2	{ Eastbourne	0.01	54	51	bc.o	og	0.0	
Wales.	{ Malvern		54	50	bc	bc	0.6	{ Seaford							0.0
	{ Rhyl	0.11	51	47	or.o	c.o	0.1	{ Brighton	0.01	53	47	o	o	0.0	
England, E.	{ Colwyn Bay	0.13	52	46	d	c	0.0	{ Worthing	0.01	54	50	o	o	0.1	
	{ Llandudno	0.09	54	48	o	bc	0.0	{ Littlehampton				*	*	0.0	
	{ Bettws-y-Coed							{ Southsea		54	46	o	o	0.0	
	{ Aberystwyth	0.08	52	50	o	d.ow.	0.0	{ Ryde		55	51	c	c	2.0	
	{ Tenby							{ Ventnor	0.04	56	49	*	*	0.1	
								{ Bournemouth		55	50	o	o	0.1	
								England, S.W.							
									{ Weymouth		55	50	c.bc.c	bc.c	0.1
								{ Exmouth		56	48	c	c	1.0	
								{ Teignmouth		54	48	c.o	o	0.5	
								{ Torquay		57	42	o.bc	o.	1.5	
								{ Paignton		56	50	m.c	bc.	1.8	
								{ Falmouth	0.02	55	51	od	d.c.d	1.1	
								{ Bude	0.09	54	50	c	c.o.o	0.1	
								{ Ilfracombe	0.06	53	49	c.b.bc	bc.d.c.	1.1	
								{ Weston-super-Mare	0.03	53	49	c.b.bc	bc.d.c.	1.1	

LONDON OBSERVATIONS.

Additional Observations for Yesterday.

STATIONS.	HUMIDITY.		Sun- shine for Yester- day.	TEMPERATURE.			Rain- fall.	WEATHER.			STATIONS.	RAIN- FALL.	TEMPERATURE.			WEATHER.			Sun- shine for Yester- day.
	3 p.m. Yester- day.	9 a.m. To- day.		In Screen.	Min. on Grass.	Fore- noon.		After- noon.	Night.	In Screen.			Night Min. on Grass.	Night.	Fore- noon.	After- noon.			
24 HOURS ENDED 9 A.M. TO-DAY.																			
Greenwich (Royal Obs.) ...	%	%	Hr.	F.	F.	F.	In.				Dublin to 4 p.m.	In.	F.	F.	F.				Hr.
City (Banhill Row) ...	81	86	0.0	54	51	47	-	0	0	0	0.03	50	46	45	bad	og.c	c.o	*	
Westminster (St. James's Pk.)	83	92	0.0	55	52	48	-	m	m	me									
Camden Sq. (Brit. Rainfall)	82	86	0.0	55	51	45	-	0	0	0									
Hampstead (Reservoir) ...	*	91	0.0	52	49	40	-	or	c	oe	0.07	54	46	*	0.04	or.o	0.04	3.8	
Richmond Park	...	*	0.0								-	52	49	43	*	0	0	0.0	
Kew. (See front page.)				VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.							Oxford to 8 p.m.	*	55	51	48	0	0.6	0	*
S. Kensington (Roof of M.O.)	-	87	0.0	Total.		Average Rate.		Max. Rate.			S. Kensington (Museum Grounds to 6 p.m.)	-	54	48	40	bw.o	0	0	*
				89	Joules.	30	Milliwatts.	105	Milliwatts.										

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM TO-DAY AND TO-MORROW

1st Dec., 1913.	Sunrise.	Noon.	Sunset.
Yarmouth	G.M.T. 7.42 7.43	G.M.T. 11.42 11.42	G.M.T. 3.43 3.42
Greenwich	7.45 7.46	11.49 11.49	3.54 3.53
Wick	8.39 8.39	12.1 12.1	3.25 3.24
Valencia	8.28 8.29	12.30 12.30	4.32 4.32

NOTES ON YESTERDAY'S WEATHER.

Temperature remained below 50° at our more northern stations, but rose to between 55° and 57° at several southern ones. Rain has fallen in most localities, hail in the north, but generally the amounts were very small. In many localities there was no bright sunshine or less than an hour, but Yarmouth exceeded 5 hours. A westerly gale to a strong gale was felt locally in the north. As far west as the 22nd meridian ships experienced S.W. to W. winds, moderate to strong, with fair to dull and misty weather.

NOTE.—The information relating to weather is indicated by the following letters:—b. blue sky; bc. sky half clouded; c. sky three parts clouded; d. drizzling rain; e. wet air, without rain falling; f. fog; g. gloom; h. hail; l. lightning; m. mist; o. overcast sky; p. passing showers; q. squalls; r. rain; s. snow; t. thunder; u. ugly, threatening sky; v. visibility, unusual transparency; w. dew; x. hoar frost; z. dust-haze, or smoke.

The Daily Weather Report is sent free by post to any address in the United Kingdom on payment of £1 per annum, for postage and wrappers.

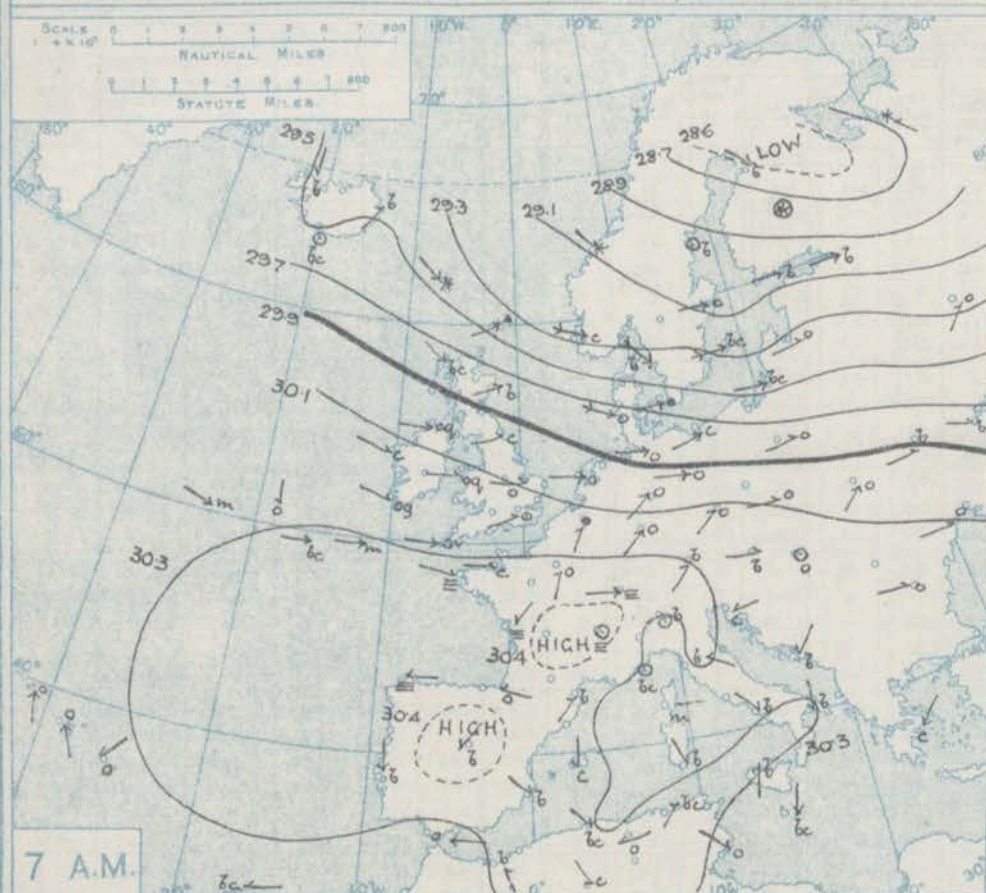
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DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

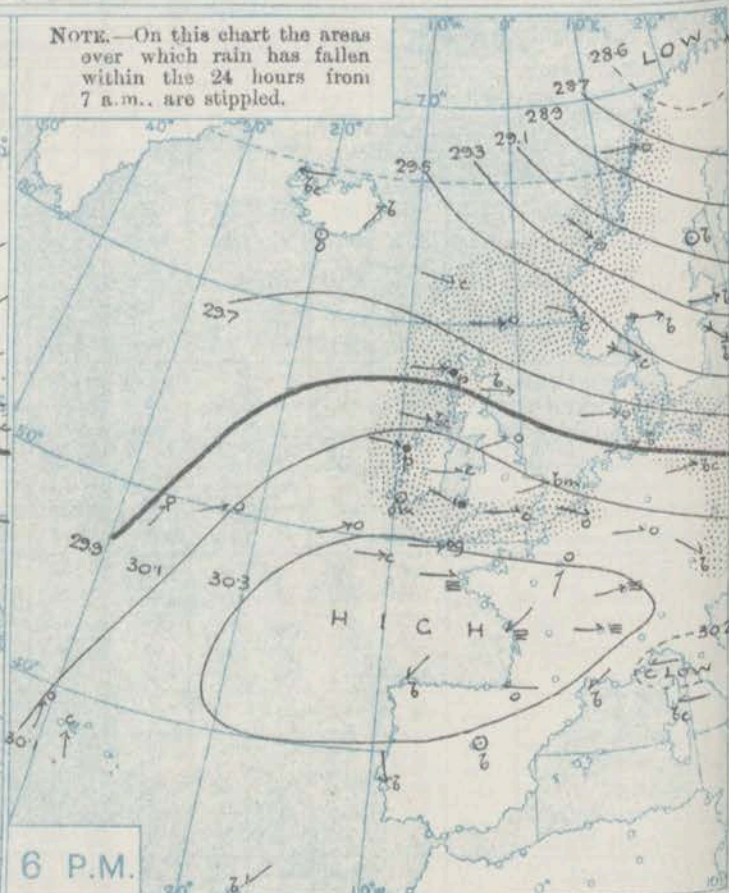
Tuesday,
2nd December, 1913.

STATIONS.		YESTERDAY EVENING.					THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.							Sun- shine for Yester- day.
		BAROM.		TEMP.		WIND.	Force (0 to 12).	Weather	BAROMETER.		TEMP.		WIND.	Force (0 to 12).	Weather.	Sea (0 to 9).	Rain fall.	TEMP.		WEATHER.				
		At 32° F. and M.S.L. Lat. 45°.	Dry Bulb.	Force (0 to 12).	Dir.				At 32° F. and M.S.L. Lat. 45°.	Change since 4 a.m.	Dry Bulb.	Change since Yester- day.						Dir.	Max.	Min.	Morning. 7 a.m. to 1 p.m.	Afternoon 1 p.m. to 6 p.m.	Night. 6 p.m. to 7 a.m.	
In.		F.	W.	Dir.	Force (0 to 12).	Weather	In.	In.	F.	W.	Dir.	Force (0 to 12).	Weather.	Sea (0 to 9).	In.	F.	F.	cp. r. q.	cp. s.	cp. s. o. g.	Hours.			
29.56		32	W	4	0	o	29.52	-0.3	40	+4	W	2	o	3	0.15	40	32	cp. r. q.	cp. s.	cp. s. o. g.	*			
29.81		40	WNW	6	6	b. c. p. q.	29.68	-0.6	41	+4	WNW	5	b. c. q.	5	0.35	42	37	b. c. p. q.	b. c. p. q.	b. c. p. q.	0.2			
29.89		45	W	6	6	b. c.	29.74	-0.8	46	+2	WSW	5	o. p.	6	0.08	46	40	b. c. o. p.	b. c. o. p.	b. c. o. p.	0.3			
29.96		41	W	3	6	b. c.	29.84	-0.5	42	+3	WSW	5	o. g. q.	*	0.08	43	35	cp.	cp. h. p.	cp. h. p.	2.1			
29.99		45	WNW	7	6	b. c.	29.83	-0.5	43	-2	WSW	5	c	5	0.06	47	42	b. c. p. q.	b. c. p. q.	b. c. p. q.	*			
30.13		45	WNW	3	6	c	29.86	-0.11	49	+4	WSW	5	o. t.	4	0.12	49	43	omp.	omp.	omp.	*			
30.22		47	-	0	0	om.	30.04	-0.5	50	+1	SW	4	o. g. p.	4	0.11	51	45	om.	om.	om.	?			
30.21		48	NW	2	r	r	30.08	-	51	+2	WSW	4	o	4	0.08	52	46	o. p. d. m.	d. f. m.	o. p.	*			
30.17		41	WSW	1	b. c.	b. c.	29.98	-	45	0	SW	1	o	*	-	48	40	c	b. c.	o	0.6			
30.05		41	W	2	om.	om.	29.94	-0.6	41	0	SW	2	c	2	-	45	38	b. c.	om.	b. c. m. c.	*			
30.11		46	W	4	c	c	30.05	-0.4	44	-2	WSW	3	o	3	Trace	48	44	o. p.	b. c.	o	3.3			
30.19		47	W	3	c	c	30.08	-0.3	47	-1	W	3	c	2	-	48	45	b. c.	b. c.	b. c.	2.3			
30.20		48	NW	1	+	+	30.10	-0.5	50	0	WSW	3	o. g.	3	0.14	51	46	o. g. p.	o. d. m.	o. d. m.	0.0			
30.26		51	W	4	o	o	30.16	-0.1	50	-3	SW	4	om.	3	0.02	54	50	b. c.	c. o.	o. d.	0.6			
30.29		50	W	5	o. g.	o. g.	30.21	-0.3	50	-2	W	4	om.	5	0.03	53	49	om.	om.	o. v. c. p.	0.0			
30.31		53	W	4	o	o	30.28	-	51	0	SW	5	o. g.	4	0.12	56	49	c. o.	o	o. r. b. c.	1.7			
30.22		53	W	4	b. c.	b. c.	30.14	-0.2	52	-1	WSW	5	c	4	Trace	55	52	b. c.	c. b. c.	b. c. e.	*			
30.17		50	WSW	2	o	o	30.15	-0.3	50	-2	SW	2	o	2	0.08	54	47	o. c. o.	o. p. c. o.	o. c. o. d. o.	*			
30.14		47	W	2	b	b	30.10	-	49	-1	WSW	1	c. e.	2	0.05	53	44	c. b. c. b.	c. p. b. c. b.	b. o. p. c. e.	1.6			
29.70		37	WSW	3	c	c	29.65	-0.3	38	+2	W	2	b. c.	2	0.34	39	34	b. c. m. p.	c. g. p. h.	c. o. r. b. c.	*			
29.82		39	WNW	3	o. g. p.	o. g. p.	29.70	-	40	+3	W	1	b. c.	2	0.26	41	36	g. p. c.	p. r. c.	p. o. e.	0.0			
29.79		40	W	4	b	b	29.76	-0.4	39	0	WSW	2	b	2	-	44	36	b. c. p. b.	b. g.	b	4.5			
29.91		42	W	2	b. c.	b. c.	29.83	-0.5	43	+1	SW	2	c	*	-	44	40	b. b. c. e.	b. c. b.	b. b. c. e.	*			
29.97		43	WSW	3	c	c	29.95	-0.2	43	+1	WSW	2	c	2	-	47	41	c	c	c	?			
30.05		44	W	3	b	b	30.00	-0.0	43	-4	WSW	4	c	4	Trace	47	40	c. g.	c	b	2.5			
30.10		43	WSW	2	b. m.	b. m.	30.10	-0.0	38	-12	WSW	2	b. c.	1	-	48	37	b. o. m. p.	b. c. m.	b. c. m. e.	0.1			
30.12		48	WSW	2	c	c	30.12	-0.5	46	-4	NW	1	o. g.	1	0.06	50	41	o. t. o.	o. c.	c. o. g.	0.0			
30.13		42	SW	2	b	b	30.08	-	39	-8	W	1	o	*	-	49	38	o. c. m.	c. b.	b. c. o.	0.9			
30.20		49	W	2	r	r	30.13	-	46	-7	NW	-	o	*	0.22	55	45	o. d.	o. d.	o. d. r. o.	0.1			
30.18		50	W	1	o	o	30.12	-0.3	47	-4	-	o	om.	*	0.11	52	47	o. t. d. m.	om. o.	b. c. o. m.	0.0			
29.51		25	E	6	b. c.	b. c.	29.55	+0.1	23	+3	N	9	S	*	*	*	*	*	*	*				
29.50		26	E	2	b. c.	b. c.	29.32	-0.3	25	-1	-	o	o	*	*	*	*	*	*	*				
29.53		29	-	o	o	o	29.24	-0.4	28	-1	-	o	S	2	*	*	*	*	*	*				
29.56		19	SW	1	b	b	29.41	-0.8	16	-3	NW	1	b	*	*	*	*	*	*	*				
29.57		32	NW	3	c	c	29.34	-1.2	34	+2	SW	2	+	*	*	*	*	*	*	*				
29.03		30	-	o	b	b	29.06	+0.1	31	0	W	6	b. c.	*	-	31	27	*	*	*				
29.23		34	W	4	b	b	29.33	+0.7	30	-11	WNW	4	b	*	-	43	28	*	*	*				
29.35		40	NW	9	b	b	29.43	+0.8	37	-6	NW	8	b	*	-	43	26	*	*	*				
29.33		34	W	8	b	b	29.45	+0.6	27	-12	W	2	b	*	-	39	25	*	*	*				
29.56		29	S	2	o	o	29.61	+0.1	26	-	WSW	2	o	3	-	29	25	*	*	*				
29.75		34	W	5	o	o	29.75	-0.1	37	-	SW	5	e	3	?	37	30	*	*	*				
29.21		34	NW	5	o	o	29.30	0.0	34	+1	WNW	7	c	6	0.28	36	30	*	*	*				
29.54		38	WNW	6	c	c	29.56	0.0	38	-1	NW	4	o	4	0.12	41	34	*	*	*				
29.36		39	SW	6	b	b	29.50	+0.3	36	-4	WNW	6	b	3	-	41	34	*	*	*				
29.49		43	WNW	8	e	e	29.60	+0.6	40	-2	NW	7	b. c.	2	-	43	37	*	*	*				
29.74		44	W	7	o	o	29.81	+0.4	43	-6	NW	5	c	5	0.08	49	41	*	*	*				
29.88		45	W	5	b	b	29.92	0.0	45	-2	W	6	e. g.	3	0.12	48	43	*	*	*				
29.93		43	W	2	b. c.	b. c.	29.99	+0.2	42	-7	W	4	c	*	0.32	49	41	*	*	*				
30.13		46	W	3	o	o	30.21	+0.2	44	0	SW	1	m	*	-	54	43	*	*	*				
30.19		45	NW	2	b	b	30.26	+0.1	42	+3	SW	4	+	*	0.08	52	39	*	*	*				
30.03		48	W	6	b	b	30.06	-0.1	47	-3	W	5	b. c.	2	-	50	46	*	*	*				
30.17		48	WNW	3	o	o	30.17	-0.1	46	-2	SW	1	o	*	0.20	52	43	*	*	*				
30.17		51	W	5	o	o	30.10	-0.2	50	-2	W	4	o	3	0.04	55	48	*	*	*				
30.25		51	WSW	4	o	o	30.23	-	48	0	WSW	6	o	5	-	52	46	*	*	*				
30.35		51	W	2	f	f	30.31	-	52	0	W	3	c	5	-	52	46	*	*	*				
30.37		50	WNW	2	o	o	30.30	-0.2	51	+1	SW	3	o	3	-	55	50	*	*	*				
30.37		44	NE	3	f	f	30.26	0.0	40	-3	ENE	3	f	*	-	50	39	*	*	*				
30.37		47	E	2	b	b	30.33	-0.1	46	0	SSE	2	o	3	-	48	45	*	*	*				
30.29		46	SSW	2	c	c	30.29	+0.1	46	+5	SSW	3	o	*	Trace	47	41	*	*	*				
30.30		37	WSW	4	f	f	30.34	-	38	+6	WSW	4	f	*	-	47	32	*	*	*				
30.35		41	W	1	f	f	30.38	-																

BAROMETER, WIND AND WEATHER FOR 7 A.M. AND 6 P.M. 1ST DECEMBER.



NOTE.—On this chart the areas over which rain has fallen within the 24 hours from 7 a.m., are stippled.



GENERAL INFERENCE

The general fall of the barometer now in progress will give rise to a renewal of unsettled conditions in the north, and our southern districts are likely to experience

WEATHER PROSPECTS.

the disturbance, but to a less extent.

FORECASTS FOR THE 24 HOURS NOON TUESDAY

TO NOON WEDNESDAY.

- 0 { a } Freshening Westerly to South-Westerly winds, strong at times; dull, some rain; mild.
b }
- 1 { Moderate or fresh Westerly to South-Westerly winds, fair at first, then some rain; mild.
2 { a }
b }
- 3 { Moderate Westerly to South-Westerly winds, freshening somewhat; mostly cloudy, but occasional rain; continuing mild.
4 { a }
b }
- 5 { mild.

FORECAST DISTRICTS.



STORM WARNINGS.

The Coasts upon which the Warning Signals are at present displayed are indicated thus:—

Signals hoisted yesterday.	Signals hoisted this morning.
South Cone.	South Cone.
North Cone.	North Cone.

SOUTH CONE REHOISTED at 7.30 p.m. yesterday in Districts 0, 6 and 9.

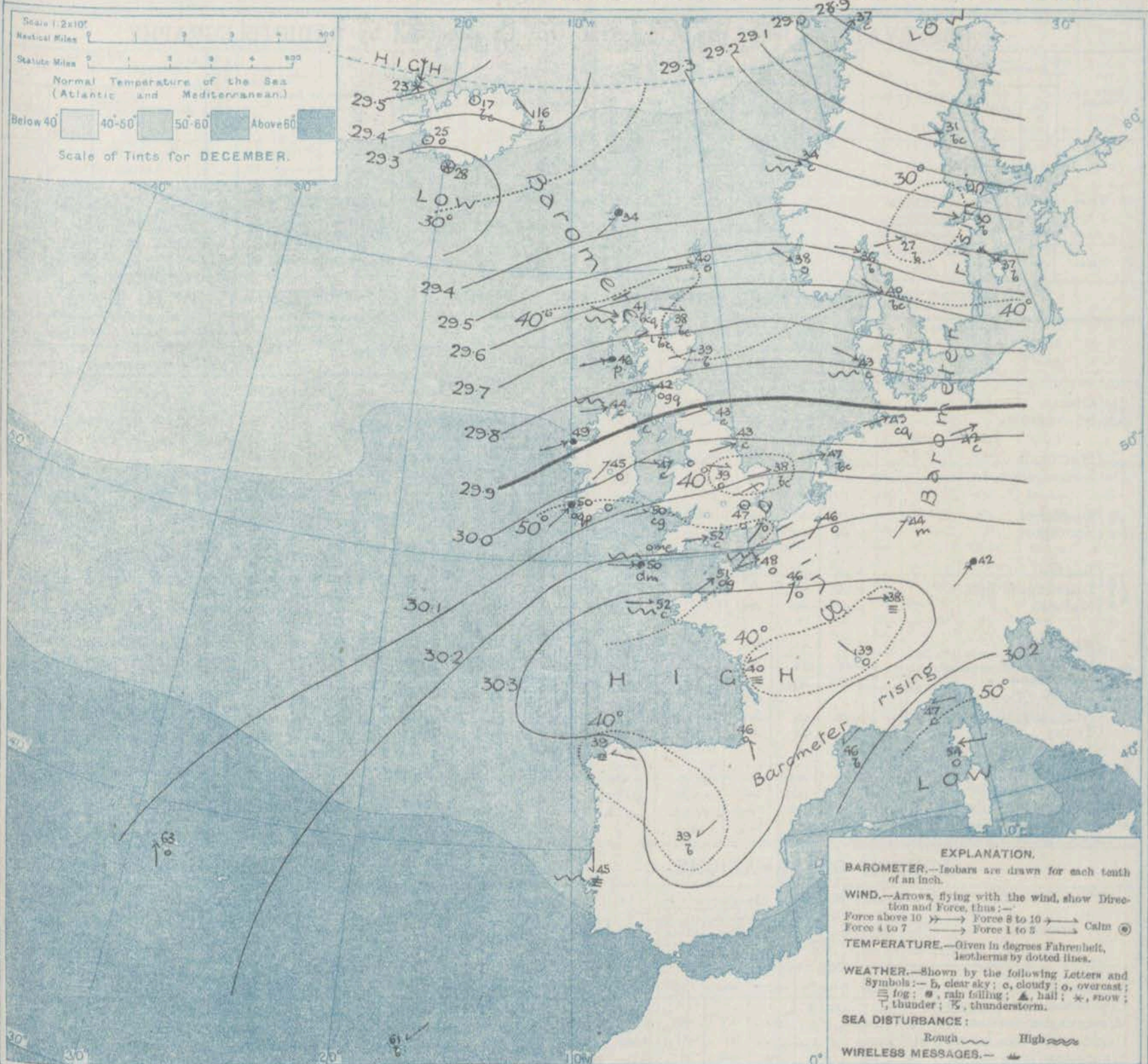
- 6 { a } Same as No. 0.
b }
- 7 { a } Moderate or fresh Westerly and South-Westerly winds; mostly cloudy.
b }
- 8 { a } some rain; mild.
b }
- 9 { a } Same as No. 0.
b }
- 10 { a }
b }

11 WESTERN CHANNEL AND BAY.

Moderate Westerly or South-Westerly winds, fresh on the mouth of the Channel, moderate or light over the Bay; moderate sea; fair intervals, occasional rain, mist or fog in the north, fine over the southern part of the Bay.

THE FURTHER OUTLOOK.

SYNOPTIC CHART FOR 7 A.M. TUESDAY, 2nd DECEMBER 1913.



NOTES ON THE GENERAL SITUATION AT 7 A.M.

An anticyclone, with readings above 30.3 in., still covers the Bay of Biscay and the west of France. Over the British Isles there is a moderate to steep gradient for westerly winds. There is still a steep gradient for winds from between West and North-West over Scandinavia.

The wind over the British Isles is generally westerly, with a tendency to draw into South-West on our western coasts. In force it is for the most part moderate or light, but fresh to strong in the north of Ireland and the west of Scotland and at exposed places along the English

channel. Strong winds from between West and North-West, locally reaching gale force, are reported from Scandinavia and the Baltic. The morning temperatures are slightly above 50° in the south west of the British Isles. Over the Midlands they are slightly below 50°. Rain is falling on our extreme western coast, and over the country as a whole there is a good deal of cloud except in the east of Scotland, where the sky is clear. Fog is reported from Corunna and the stations on the Bay of Biscay. The sea is rather off Beilly and in the north-west, moderate or slight elsewhere.

DAILY WEATHER REPORT.

Tuesday, 2nd December, 1913.

OBSERVATIONS from the ATLANTIC OCEAN received by RADIOTELEGRAPHY.

DATE AND HOUR.	POSITION.		NAME OF SHIP.	Outward. H = Homeward.	BAROMETER.		WIND.		WEATHER.	DATE AND HOUR.	POSITION.		NAME OF SHIP.	Outward. H = Homeward.	BAROMETER.		WIND.		WEATHER.
	Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.			Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.	
1st G.p.m.	49	27	<i>Maion</i>	H	29.92	-.01	SW	4-5	0	1st 7 a.m.	50	23	<i>Coronia</i>	O	30.18	-.02	WNW	4-5	w
"	50	22	<i>Coronia</i>	O	30.11	-.05	WSW	4-5	0	"	51	18	<i>Tautonic</i>	O	30.29	+.02	N	1-3	0
"	50	13	<i>Pasania</i>	H	30.26	-.01	WSW	4-5	0	"	51	17	<i>Pasania</i>	H	30.25	-.04	SSW	4-5	b
"	49	10	<i>Manitou</i>	H	30.33	.00	W	4-5	c	"	49	16	<i>Manitou</i>	O	30.33	-.01	W	4-5	0
" 1 p.m.	49	12	<i>do.</i>	H	30.35	-.01	W	4-5	bc.	"	49	14	<i>Manitou</i>	H	30.34	-.01	SSW	4-5	0

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sunshine to 6 p.m.	STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sunshine to 6 p.m.
			Max.	Min.	Forenoon.	Afternoon.					Max.	Min.	Forenoon.	Afternoon.	
Scot. land.	Oban	0.25	47	43	bc	+0	0.6	England, S.E.	Margate	0.02	54	50	0	0	0.0
	St. Andrews	0.0	45	37	0	0	5.9		Ramsgate	0.04	52	47	0	0	0.1
Eng. N.E.	Harrogate	0.01	44	40	bc	ep. bc	1.5		Folkestone	0.0	54	49	0	0	0.5
	Scarborough	0.0	48	40	c.b	bc	4.0		Hythe	0.0	54	49	0	0	0.4
Eng. N.W.	Blackpool	0.0	49	46	bc	0	4.8		Littlestone	0.0	54	49	0	0	0.2
	Southport	0.02	49	45	b. bc	b. bc	4.6		Hastings	0.03	54	49	0. bc. 0	0. bc. 0	0.2
Mid. lands.	Buxton	0.15	45	39	bc	bc	2.7		Bexhill-on-Sea	0.05	55	50	c. 0	0. bc	1.0
	Leamington Spa	0.16	50	40	0	0	0.0		Eastbourne	0.06	55	51	0. bc	0. c. 0	0.5
Wales.	Malvern	0.18	48	46	c	bc	0.0		Seaford	0.01	53	51	c	0	0.3
	Rhyl	0.13	48	45	c	bc	2.3		Brighton	0.05	55	52	0. c	0. c. 0	0.6
Wales.	Colwyn Bay	0.06	48	45	bc. b	bc	1.2		Worthing	0.0	56	50	c	c. bc	0.5
	Llandudno	0.04	50	45	bc	b	4.0		Littlehampton	0.01	56	50	c	c	1.6
Wales.	Bettws-y-Coed	0.0	45	45	0	0	2.0		Southsea	0.0	56	50	bc. e	c	0.0
	Aberystwyth	0.15	49	47	+0.0	0. c. 0	0.0		Ryde	0.0	56	50	bc. e	c	3.3
England, E.	Tenby	0.0	51	47	d	d	0.0		Ventnor	0.0	57	49	0	0	4.0
	Lowestoft	0.11	52	43	or. c	c. bc	0.1		Bournemouth	0.0	56	50	bc	0	2.5
England, E.	Felixstowe	0.11	49	47	m. or	c. bc	0.0		Weymouth	0.0	56	51	c. bc	bc	0.7
	Walton-on-Naze	0.11	54	44	or. ep	c. bc	0.0		Exmouth	0.0	56	50	d. bc	c. bc	2.4
England, E.	Southend-on-Sea	0.11	53	48	0	0	0.0		Teignmouth	0.0	57	49	c	bc	2.7
									Torquay	0.0	57	49	bc	bc. b	2.7
England, E.									Paignton	0.0	58	49	bc. b	bc. b	2.4
									Falmouth	0.0	56	50	0. c. b	bc. m	2.0
England, E.									Bude	0.04	55	52	0. c. b	0	0.0
									Ilfracombe	0.15	54	50	or. d	d. 0	0.0
England, E.									Weston-super-Mare	0.07	52	50	cd	dm. m	0.0

LONDON OBSERVATIONS.

Additional Observations for Yesterday.

STATIONS.	HUMIDITY.		Sun- shine for Yester- day.	TEMPERATURE.			Rain- fall.	WEATHER.			STATIONS.	RAIN- FALL.	TEMPERATURE.			WEATHER.			Sun- shine Yester- day								
	3 p.m. Yester- day.	9 a.m. To- day.		In Screen.	Min. on Grass.	Fore- noon.		After- noon.	Night.	In Screen.			Night Min. on Grass.	Night.	Fore- noon.	After- noon.											
24 HOURS ENDED 9 A.M. TO-DAY.																											
	%	%	Hr.	F.	F.	F.	In.					In.	F.	F.	F.				Hr.								
Greenwich (Royal Obs.) ...	87	98	0.0	52	46	38	0.09	0.0	0	0.0	0.0	Dublin to 4 p.m.	0.02	48	43	40	dp.b	bc	bc	*							
City (Bunhill Row) ...	*	*	0.0	*	*	*	*	*	*	*	*	Plymouth to 9 p.m.	*	*	*	*	*	*	*	*							
Westminster (St. James's Pk.)	92	100	0.0	54	47	43	0.07	+m	mr	me		Darwen	0.11	45	39	36	or	c.op.b	bc.op.	3.5							
Camden Sq. (Brit. Rainfall)	86	99	0.0	53	46	41	0.10	0.0	0	*		Manchester	0.07	48	42	*	or.d	a.bc	bc.p.c	2.3							
Hampstead (Reservoir) ...	*	99	0.0	50	44	31	0.12	or.c	or.f	of		Birmingham	*	*	*	*	*	*	*	*							
Richmond Park	*	*	0.0	VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.																*							
Kew. (See front page.)	*	*	0.0	Total.			Average Rate.			Max. Rate.										*							
S. Kensington (Roof of M.O.)	89	99	0.0	8.4 Joules.			2.9 Milliwatts.			1.4 Milliwatts.										*							
	*	*	0.0	S. Kensington (Museum Grounds to 6 p.m.)																0.08	53	50	44	0.0	0.0	0.0	*

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM TO-DAY AND TO-MORROW

2nd Dec. 1913.	Sunrise.	Noon.	Sunset.
Yarmouth	G.M.T. 7.43 7.45	G.M.T. 11.42 11.43	G.M.T. 3.42 3.41
Greenwich	7.46 7.48	11.49 11.50	3.53 3.52
Wick	8.29 8.41	12.1 12.2	3.24 3.23
Valencia	8.29 8.31	12.30 12.31	4.32 4.31

NOTES ON YESTERDAY'S WEATHER.

The distribution of rainfall during the past twenty-four hours has been irregular, the heaviest falls reported, between 3 and 4 in., occurred in the north of Scotland. Snow showers were experienced during the day in Scotland. Temperature rose to 56° at Jersey and 55° at Bath, the maximum were everywhere above 40°. The amounts of bright sunshine were generally small, but over 4 hours were experienced in the east of Scotland and in parts of Lancashire.

NOTE.—The information relating to weather is indicated by the following letters:—b. blue sky; bc. sky half clouded; c. sky three parts clouded; d. drizzling rain; e. wet air, without rain falling; f. fog; g. gloom; h. hail; i. lightning; m. mist; o. overcast sky; p. passing showers; q. squalls; r. rain; s. snow; t. thunder; u. ugly, threatening sky; v. visibility, unusual transparency; w. dew; x. hoar frost; z. dust-haze, or smoke.

The Daily Weather Report is sent free by post to any address in the United Kingdom on payment of £1 per annum, for postage and wrappers.

1913.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

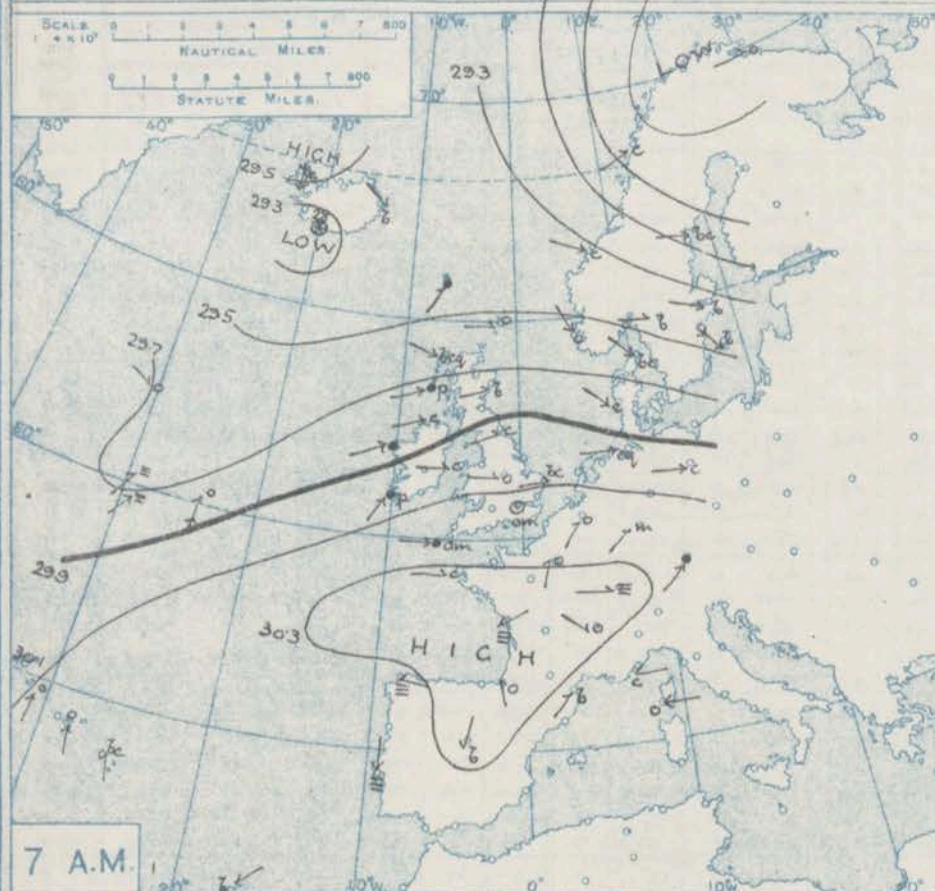
Wednesday,
3rd December, 1913.

STATIONS.		YESTERDAY EVENING.					THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.							Sun- shine for Yester- day.
		BAROM.		TEMP.		WIND.	BAROMETER.		TEMP.		WIND.	Force	Sea	Rain	TEMP.		WEATHER.							
		At 32° F. and M.S.L. Lat. 45°	Dry Bulb.	Dir.	Force (0 to 12)		Weather	At 32° F. and M.S.L. Lat. 45°	Change since 4 a.m.	Dry Bulb.					Change since Yester- day.	Dir.	Force (0 to 12)	Weather	Max.	Min.	Morning 7 a.m. to 1 p.m.	Afternoon 1 p.m. to 6 p.m.	Night 6 p.m. to 7 a.m.	
		In.	F.				In.	In.	F.												Hours			
BRITISH ISLANDS.	Lerwick ...	24.20	44	WSW	3	bcq	24.10	-0.4	41	+1	SSW	4	or	3	10.	45	39	cp.c.	cp.hq.	cp.g.op	0.9			
	Stornoway ...	24.47	43	WSW	4	cpq	24.39	-1.5	38	-3	NW	6	org	4	0.22	44	38	bcpg	cpq	c.org	0.0			
	Castlebay (Barra Isd.)	24.50	48	WNW	4	o	24.00	-0.7	52	+6	WSW	6	op	6	0.60	52	44	op	op.o	op.r.op	0.0			
	Glasgow ...	24.53	51	SW	6	r	24.24	-1.2	49	+7	SSW	8	rg	6	0.30	51	41	od	od.qg	op.org	0.0			
	Malin Head...	24.56	50	W	6	mq	24.11	-0.3	49	+6	WSW	7	rg	6	0.45	51	42	dmr.	mq	mq	0.0			
	Blacksod Point	24.62	52	WSW	6	omr	24.23	-0.8	52	+3	SW	7	omq	5	0.24	52	48	omr	omr	omr	0.1			
	Valencia ...	24.90	51	SW	4	cm	24.50	-1.0	52	+2	SSW	6	om	5	0.04	53	49	omr.c.	omr	omr	0.1			
	Roche's Point ...	24.96	52	WSW	4	o	24.60	-0.4	52	+1	SW	5	o	5	0.04	53	49	o.c	cm.o	od.cop	0.0			
	Birr Castle ...	24.85	50	SW	3	r	24.48	-0.4	52	+7	SW	5	o	5	0.01	52	44	om	od	o	0.0			
	Donaghadee ...	24.68	51	SW	4	omr	24.35	-0.9	51	+10	SW	5	cq	4	0.12	52	41	omr	omr	omr	0.1			
	Liverpool Obsy...	24.84	51	WSW	3	o	24.61	-0.1	50	+6	SW	4	og	4	-	53	43	og	o	og	0.1			
	Holyhead ...	24.88	52	WSW	5	ogmg	24.56	-0.5	51	+4	WSW	6	op.hq.	5	0.03	53	50	op.hq.	ogmg	ogmg	0.0			
	Pembroke (St. Ann's Hd.)	24.98	52	SW	6	c	24.67	-0.7	51	+1	WSW	8	cug	7	0.16	53	50	cg	cgpd	cgpd	0.0			
	Newquay ...	30.08	50	WSW	3	o	24.81	-0.9	50	0	SW	4	ou	4	0.03	51	48	o.c	c.o	c.o	0.3			
	Scilly (St. Mary's)	30.09	50	WSW	5	c	24.83	-0.6	51	+1	SW	6	cqp	6	0.02	52	48	c	c	cq.cqp	0.5			
ICELAND, FAEROE, &c.	Jersey (St. Aubin)	30.20	52	SW	4	og	30.01	-0.4	52	+1	SW	5	og	4	-	53	50	omr	og	og	0.0			
	Portland Bill ...	30.10	52	W	5	o	24.87	-0.7	53	+1	SW	6	or	5	0.03	56	50	c.o	o	od	0.0			
	Dungeness ...	30.08	52	WSW	7	cgu	24.90	-0.7	52	+2	SW	8	cq	7	Trace	53	48	cq	edq	ogd	0.0			
	Dover ...	30.04	50	SW	5	bc	24.85	-0.4	50	+1	SSW	8	oe	6	0.03	52	48	ce.or.c	cd	bc.cpo	0.0			
	Wick ...	24.40	41	SW	3	bc	24.02	-2.2	43	+5	SSE	3	omr	3	0.36	44	36	bc.c	c.bc	bc.omr	0.0			
	Nairn ...	24.43	45	W	1	bc	24.08	-0.4	49	+9	WSW	4	rg	3	0.23	49	39	bc	cu	bc.cq	0.5			
	Aberdeen ...	24.47	43	SSW	2	bc	24.09	-1.7	50	+11	SSW	5	o	2	-	50	38	b.bc	bc	bc.cq	0.4			
	Leith ...	24.49	52	W	3	o	24.20	-1.0	52	+9	SW	4	og	2	Trace	53	43	c	o	od	0.0			
	North Shields	24.64	48	SSW	2	r	24.42	-0.4	53	+10	SSW	4	c	2	0.01	54	44	c.o	o.or	o.c	0.0			
	Spurn Head ...	24.81	50	SW	4	o	24.58	-1.2	49	+6	SW	6	cgu	5	-	51	43	cm	cm.o	o.cq	0.0			
	Yarmouth ...	24.93	50	WSW	2	bcm	24.75	-0.4	50	+12	WSW	4	c	3	-	51	37	c.omr	o.bcm	bc.cq	0.3			
	Clacton-on-Sea	24.99	52	WSW	5	og	24.83	-0.7	51	+5	SW	5	ogq	4	0.01	52	45	ogd.o	og	ogq	0.0			
	Nottingham...	24.88	52	W	4	o	24.66	-0.4	50	+11	SW	6	o	5	0.01	53	39	odm	am	o.c	0.0			
	Bath ...	30.05	52	W	2	o	24.83	-0.4	49	+3	W	4	o	5	-	56	46	o	o	o	0.1			
	London (Kew Obsy.)	30.04	51	SW	3	c	24.84	-0.6	50	+3	SW	4	o	5	0.01	53	46	omr.dmr	omr.c	c.bc.o	0.0			
SCANDINAVIA.	Spitzbergen ...	24.51	25	NE	9	s	24.59	+0.1	23	0	N	9	c	5	-	-	-	-	-	-	-			
	Isafjord ...	24.38	25	N	6	b	24.36	0.0	27	+2	N	7	b	5	-	-	-	-	-	-	-			
	Reykjavik ...	24.28	25	N	1	bc	24.18	-0.2	27	-1	N	3	o	2	-	-	-	-	-	-	-			
	Vestmanna ...	24.34	23	SSW	2	c	24.35	0.0	26	+10	NE	2	s	5	-	-	-	-	-	-	-			
	Thorshavn ...	24.07	38	NW	6	r	24.05	-0.7	37	+3	ENE	4	o	5	-	-	-	-	-	-	-			
GERMANY, &c.	Haparanda ...	28.70	22	S	2	b	28.76	0.0	22	-4	SSW	6	o	3	-	27	21	-	-	-	-			
	Hernösand ...	28.75	38	SW	6	o	28.84	+0.1	37	0	W	4	o	2	0.43	38	34	-	-	-	-			
	Stockholm ...	24.15	35	-	0	o	24.08	+0.4	35	+1	-	0	bc	4	0.47	36	32	-	-	-	-			
	Skudesnaes ..	24.39	46	WSW	6	o	24.28	-0.4	45	+7	W	4	o	4	0.28	46	38	-	-	-	-			
	Færder (X'la Fjord)	24.47	42	WSW	5	o	24.33	0.0	46	+6	WNW	5	c	1	0.12	46	37	-	-	-	-			
FRANCE.	The Scaw (Skagen)...	24.67	47	W	5	o	24.52	-0.3	49	+6	W	5	o	4	0.04	49	43	-	-	-	-			
	Blaavands Huk ...	24.84	44	SW	4	o	24.71	-0.1	49	+4	W	6	og	3	0.16	49	43	-	-	-	-			
	Cuxhaven ...	24.99	43	W	3	c	24.81	+0.1	49	+7	W	6	o	5	0.12	49	41	-	-	-	-			
	Berlin ...	30.12	48	SW	4	r	30.10	-0.3	44	0	SW	3	o	5	Trace	50	44	-	-	-	-			
	Frankfurt ...	30.24	43	SW	3	c	30.19	-0.1	41	-1	W	4	b	5	Trace	46	39	-	-	-	-			
SPAIN, PORTUGAL, &c.	Munich ...	24.90	49	SW	4	r	24.79	-0.4	51	+4	SSW	7	o	3	0.08	52	46	-	-	-	-			
	The Helder ...	30.05	48	SW	4	o	24.99	-0.5	45	-1	SW	4	o	5	0.24	50	44	-	-	-	-			
	Brussels ...	30.05	53	W	8	o	24.93	-0.6	50	0	SW	7	c	6	0.16	54	50	-	-	-	-			
	C. Gris Nez...	30.19	48	SW	5	o	30.04	-0.4	49	+1	WSW	5	o	5	-	50	45	-	-	-	-			
	La Hève ...	30.19	51	SW	4	o	24.95	-0.4	54	+2	SW	5	o	5	-	54	48	-	-	-	-			
PORTUGAL, &c.	Ushant...	30.23	51	WSW	4	o	30.00	-0.7	53	+2	SW	4	o	4	-	53	50	-	-	-	-			
	Brest (St. Mathieu)	30.23	51	WSW	4	o	30.00	-0.7	53	+2	SW	4	o	4	-	53	50	-	-	-	-			
	Lorient (Bec Melen)...	30.31	40	ENE	2	m	30.19	-0.4	41	+1	ENE	3	o	5	0.04	45	39	-	-	-	-			
	Rochefort (Ile d'Aix)	30.26	45	SSW	3	o	30.13	-0.4	39	-7	S	3	o	5	-	47	39	-	-	-	-			
	Biarritz ...	30.30	41	-	0	f	30.23	-0.4	37	-1	WSW	3	o	5	-	42	37	-	-	-	-			
PORTUGAL, &c.	Paris ...	30.35	44	NW	1	o	30.28	-0.4	39	0	SSW	2	o	5	-	45	38	-	-	-	-			
	Nice ...	30.19	50	-	0	b	30.27	+0.2	46	-1	-	0	b	0	-	55	45	-	-	-	-			
	Perpignan ...	30.20	47	-	0	b	30.25	0.0	46	-2	-	0	o	5	-	69	37	-	-	-	-			
	Sanguinaire...	30.17	59	E	2	r	30.25	-0.4	57	+3	E	3	r	2	-	63	52	-	-	-	-			
	Corunna (8 a.m.)	30.27	54	W	2	o	30.24	0.0	50	+11	SSW	1	o	5	-	55	39	-	-	-	-			
PORTUGAL, &c.	Lisbon (9 a.m.)	30.23	53	N	4	b	30.25	+0.3	48	+3	-	0	b	2	-	57	45	-	-	-	-			
	Gibraltar ...	30.21	60	E	1	c	30.21	0.0	61	0	E	2	o	2	-	62	50	-	-	-	-			
	Azores (Horta, 8 a.m.)	30.10	5	S	5	c	30.17	+0.2	64	+1	SSW	3	c	2	-	66	63	-	-	-	-			
	Madeira (Funchal) ...																							

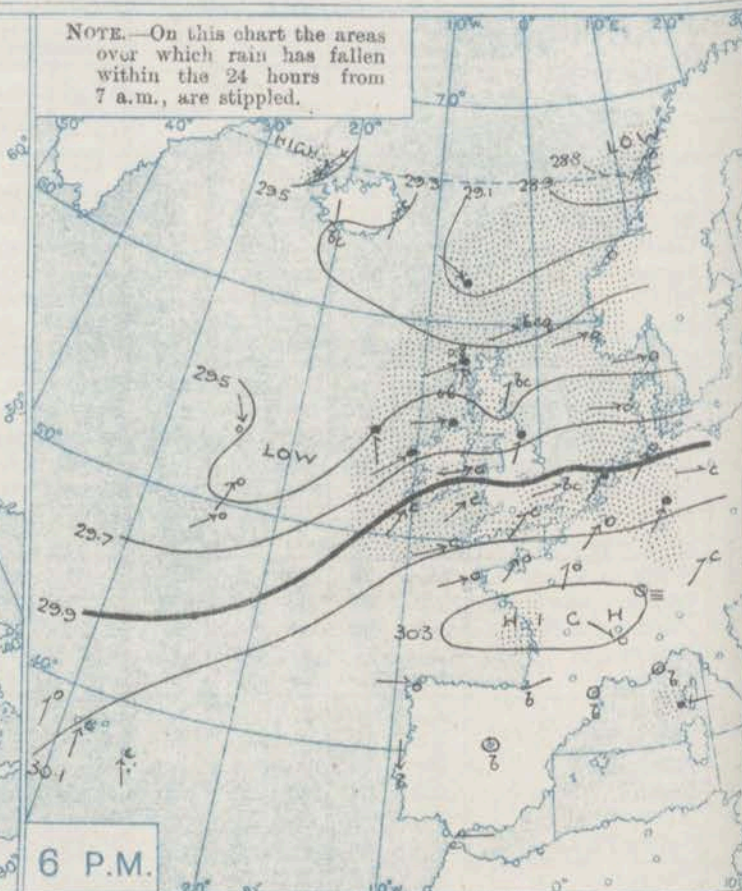
* Information for these columns not usually received.

† Received too late for insertion in Charts.

BAROMETER, WIND AND WEATHER FOR 7 A.M. AND 6 P.M. 2nd DECEMBER.



NOTE.—On this chart the areas over which rain has fallen within the 24 hours from 7 a.m., are stippled.



GENERAL INFERENCE

A depression now over the Hebrides is likely to move in an easterly direction. There are indications, however, of the approach of a "V" shaped secondary towards the west of Ireland, and this is likely

WEATHER PROSPECTS.

to affect the weather over the whole of the country during the ensuing twenty-four hours.

FORECASTS FOR THE 24 HOURS NOON WEDNESDAY

TO NOON THURSDAY.

- 0 {
a } Fresh or strong squally winds, veering temporarily to North-West; very unsettled, some rain or sleet; cooler temporarily.
b }
- 1 { Strong South-Westerly winds,
a }
b } a gale at times, veering later; dull,
2 { some rain; mild.
a }
b }
- 3 { Fresh or strong South-Westerly
a }
b } winds, a gale in exposed places;
4 {
a }
b }
- 5 { unsettled, some rain; continuing mild.
a }
b }

FORECAST DISTRICTS.



STORM WARNINGS.

The Coasts upon which the Warning Signals are at present displayed are indicated thus:—

Signals hoisted yesterday.

South Cone.

North Cone.

Signals hoisted this morning.

South Cone.

North Cone.

SOUTH CONE HOISTED at 8.37 am today. in Districts 1-3, 5-8 and 10, 11.

- 6 {
a }
b }
- 7 {
a } Same as No. 2.
b }
- 8 {
a }
b }
- 9 {
a } Same as No. 0.
b }
- 10 {
a } Same as Nos. 6 to 8.
b }

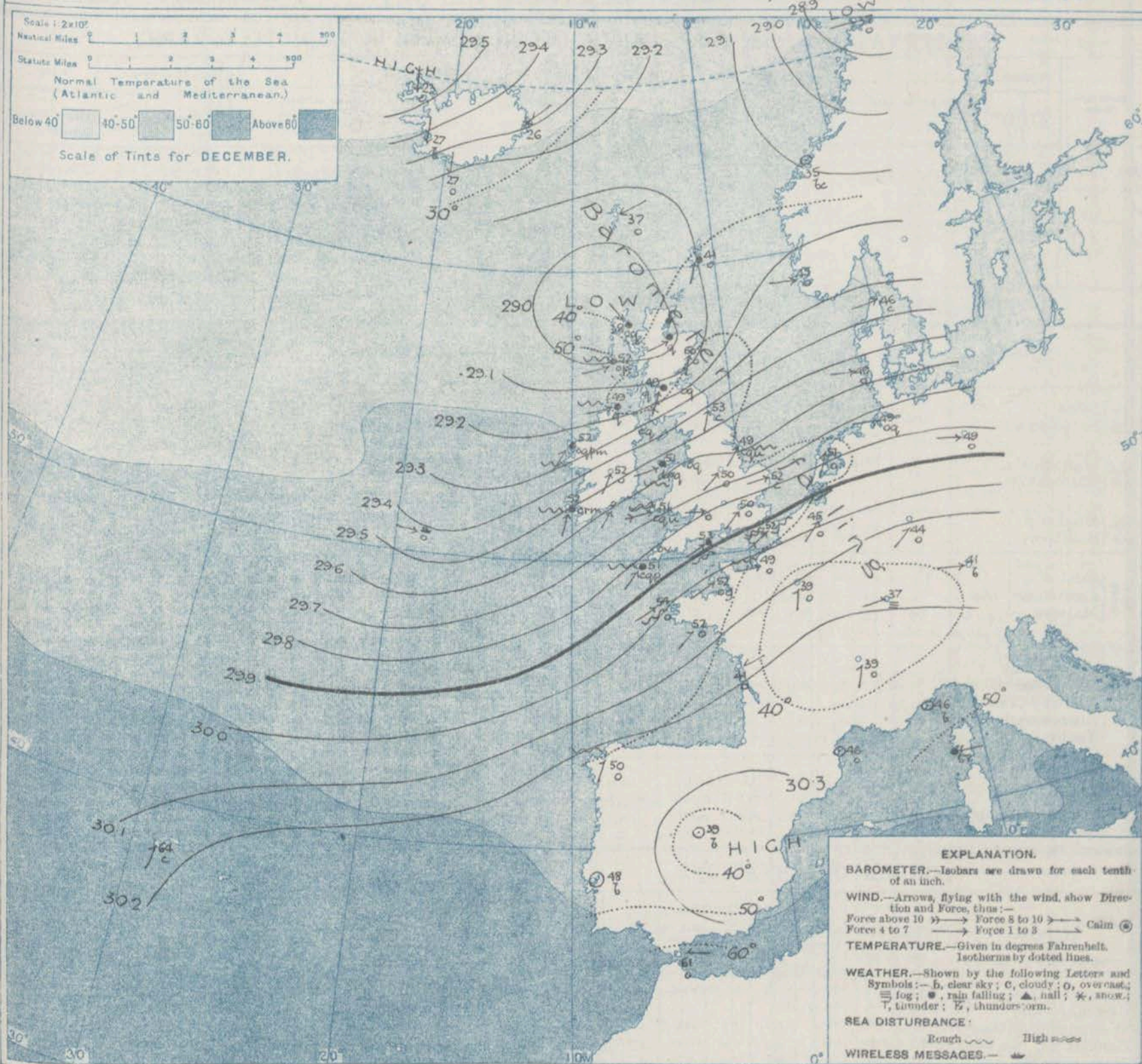
11 WESTERN CHANNEL AND BAY.

Fresh or strong South-Westerly winds, a gale at times; sea rough; unsettled, some rain; mild.

THE FURTHER OUTLOOK. (All Districts)

Mild unsettled weather continuing.

SYNOPTIC CHART FOR 7 A.M. WEDNESDAY, 3RD DECEMBER 1913.



NOTES ON THE GENERAL SITUATION AT 7 A.M.

A rather deep depression is centred over the Hebrides, and extends its influence over the whole of the British Isles. Wireless reports indicate the existence of a secondary disturbance off the west coast of Ireland. The highest readings are found in an anticyclone over Spain and the south of France.

The wind over the British Isles and also over the northern parts of France and Germany is south-westerly in direction. It is fresh or strong in force; at a few exposed stations on our coasts it is blowing with the

force of a gale. Temperature has become decidedly milder, the morning readings at the British stations are above 50°; mild weather also prevails on the Continent. Rain is falling in the north and west of Ireland and Scotland and also at several of the English stations, and the sky is generally overcast over north-western Europe. The sea is rough or rather rough generally.

DAILY WEATHER REPORT.

Wednesday, 3rd December, 1913.

OBSERVATIONS from the ATLANTIC OCEAN received by RADIOTELEGRAPHY.

DATE AND HOUR.	POSITION.		NAME OF SHIP.	Outward H Inward H	BAROMETER.		WIND.		WEATHER.	DATE AND HOUR.	POSITION.		NAME OF SHIP.	Outward H Inward H	BAROMETER.		WIND.		WEATHER.
	Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.			Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.	
3rd 7 a.m.	51	18	Empress of Britain	H	29.43	-0.3	WNW	6-7	0	2nd 7 a.m.	53	30	Cameronia	0	29.79	?	WNW	1-3	0
2nd 6 p.m.	49	25	Rapland	O	29.56	-0.7	SW	6-7	0	"	50	29	Geutonic	0	29.72	-0.9	SW	1-3	0
"	53	24	Corsican	H	29.53	-0.8	WNW	4-5	0	"	49	29	Montfort	0	29.68	-0.8	SW	6-7	0
"	51	24	Empress of Britain	H	29.43	-0.6	SEW	4-5	0	"	50	23	Merion	H	29.77	-1.0	S	10-11	0
"	55	13	Sicilian	H	29.50	-0.6	SSE	1-3	0	"	54	17	Sicilian	H	29.62	-1.4	-	0	0

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.	Hr.	STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.	Hr.
			Max.	Min.	Forenoon.	Afternoon.						Max.	Min.	Forenoon.	Afternoon.		
Scot- land.	Oban	In. 0.46	F. 50	F. 43	op	0	0.0	0.0	England, S.E.	Margate	In. -	F. 54	F. 42	0	0	0.0	0.0
	St. Andrews	-	-	-	-	-	-	-		Ramsgate	-	52	40	-	-	0.0	0.0
Eng. N.E.	Harrogate	0.03	50	39	o.cd	o.c	0.0	0.0	England, S.W.	Folkestone	-	53	45	om	or	0.0	0.0
	Scarborough	-	48	39	af	af	0.0	0.0		Hythe	-	-	-	-	-	0.0	0.0
Eng. N.W.	Blackpool	-	-	-	-	-	-	-	England, S.E.	Littlestone	-	-	-	-	-	0.0	0.0
	Southport	0.08	51	43	ad.r	o.c	0.0	0.0		Hastings	0.05	54	48	ad	0	0.0	0.0
Mid- lands.	Buxton	0.02	48	37	bc.o	c	0.0	0.0	England, S.E.	Bexhill-on-Sea	0.04	54	48	ad.c	o.b.cq	0.2	0.2
	Leamington Spa	-	52	33	o	o	0.0	0.0		Eastbourne	0.12	53	49	og	og	0.1	0.1
Wales.	Malvern	-	52	42	c	c	0.0	0.0	England, S.W.	Seaford	0.01	54	49	o	or	0.1	0.1
	Rhyl	-	55	42	bc.o	o	0.6	0.6		Brighton	0.11	53	49	ad	ad.o	0.0	0.0
England, E.	Colwyn Bay	-	55	44	bc.o	o	0.0	0.0	England, S.W.	Worthing	0.11	53	50	ag	ag	0.0	0.0
	Llandudno	0.01	52	46	o	o	0.0	0.0		Littlehampton	0.05	-	-	-	-	0.0	0.0
England, E.	Bettws-y-Coed	0.09	-	40	ou	o	0.0	0.0	England, S.W.	Southsea	0.05	54	50	o	o	0.0	0.0
	Aberystwyth	0.02	53	48	o	o.c.o	0.0	0.0		Ryde	0.03	54	51	o.c	c.o	0.1	0.1
England, E.	Tenby	0.12	50	41	d	r	0.0	0.0	England, S.W.	Ventnor	0.03	54	50	-	-	0.0	0.0
	Lowestoft	-	47	36	bc.c	c.o	0.1	0.1		Bournemouth	-	54	50	o	o	0.0	0.0
England, E.	Felixstowe	0.02	51	40	m.op	cm.bc	0.0	0.0	England, S.W.	Weymouth	-	54	51	o.c	c	0.0	0.0
	Walton-on-Naze	0.02	54	40	om.c	c	0.0	0.0		Exmouth	-	57	50	bc.c	bc.b	0.6	0.6
England, E.	Southend-on-Sea	-	52	43	o	o	0.0	0.0	England, S.W.	Teignmouth	-	53	50	c.o	c	0.0	0.0
									England, S.W.	Torquay	-	52	50	o	o	0.0	0.0
England, E.										Paignton	0.02	54	50	o	o	0.0	0.0
										Falmouth	-	52	49	o.c	bc.o	1.2	1.2
England, E.										Bude	0.16	55	50	op	ed.op	0.1	0.1
										Ilfracombe	0.36	53	47	d	dv	0.0	0.0
England, E.										Weston-super-Mare	0.13	52	45	d.cbc	bc.c	0.3	0.3

LONDON OBSERVATIONS.

Additional Observations for Yesterday.

STATIONS.	HUMIDITY.		Sun- shine for Yesterday.	TEMPERATURE.			Rain- fall.	WEATHER.			STATIONS.	RAIN- FALL.	TEMPERATURE.			WEATHER.			Sun- shine for Yesterday.							
	3 p.m. Yester- day.	9 a.m. To- day.		In Screen.		Min. on Grass.		Fore- noon.	After- noon.	Night.			In Screen.	Night Min. on Grass.	Night.	Fore- noon.	After- noon.									
				Max.	Min.													Max.		Min.						
24 HOURS ENDED 9 A.M. TO-DAY.																										
Greenwich (Royal Obay.) ...	% 85	% 77	Hr. 0.0	F. 53	F. 47	F. 45	In. -	om	om	o	Dublin to 4 p.m.	In. -	F. 53	F. 41	F. 38	Night. bc.o	Fore- noon. o.c	After- noon. c								
City (Bunhill Row) ...	% *	% *	Hr. 0.0	F. *	F. *	F. *	In. *	*	*	*	Plymouth to 9 p.m.															
Westminster (St. James's Pk.)	82	82	0.0	54	47	46	-	o	o	oe	Darwen	0.22	50	40	36	bc.ov	ov	op								
Camden Sq. (Brit. Rainfall)	85	79	0.0	53	46	44	-	om.o	o	*	Manchester	0.04	52	41	*	o	o.od	op.c								
Hampstead (Reservoir) ...	*	87	0.0	49	44	40	-	oe	oe	o	Birmingham	-	50	38	22	*	o	o								
Richmond Park ...	*	*	0.0	VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.							Oxford to 8 p.m.															
Kew. (See front page.)																										
S. Kensington (Roof of M.O.)	86	82	0.0	Total.		Average Rate.		Max. Rate.		S. Kensington (Museum Grounds to 6 p.m.)																
				108	Joules.	3.7	Milliwatts.	13	Milliwatts.																	
																			0.01	53	46	38	om	og.d.o	o	*

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM TO-DAY AND TO-MORROW

3rd & 4th December 1913.			
	Sunrise.	Noon.	Sunset.
Yarmouth	G.M.T. 7.45 7.46	G.M.T. 11.43 11.43	G.M.T. 3.41 3.40
Greenwich	7.48 7.49	11.50 11.50	3.52 3.52
Wick	8.41 8.43	12.2 12.2	3.23 3.22
Valencia	8.31 8.32	12.31 12.31	4.31 4.30

NOTES ON YESTERDAY'S WEATHER.

Mild, humid weather prevailed. The maximum temperatures were over 50° over practically the whole country, 56° at Portland, and 57° at Bournemouth. Rain fell in most places, the heaviest falls being in the north-west. The amounts of bright sunshine were generally small. South-Westerly gales occurred sporadically.

NOTE.—The information relating to weather is indicated by the following letters—b, blue sky; bc, sky half clouded; c, sky three parts clouded; d, drizzling rain; e, wet air, without rain falling; f, fog; g, gloom; h, hail; i, lightning; m, mist; o, overcast sky; p, passing showers; q, squalls; r, rain; s, snow; t, thunder; u, ugly, threatening sky; v, visibility, unusual transparency; w, dew; x, hoar frost; z, dust-haze, or smoke.

The Daily Weather Report is sent free by post to any address in the United Kingdom on payment of £1 per annum, for postage and wrappers.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

Thursday,
4th December, 1913.

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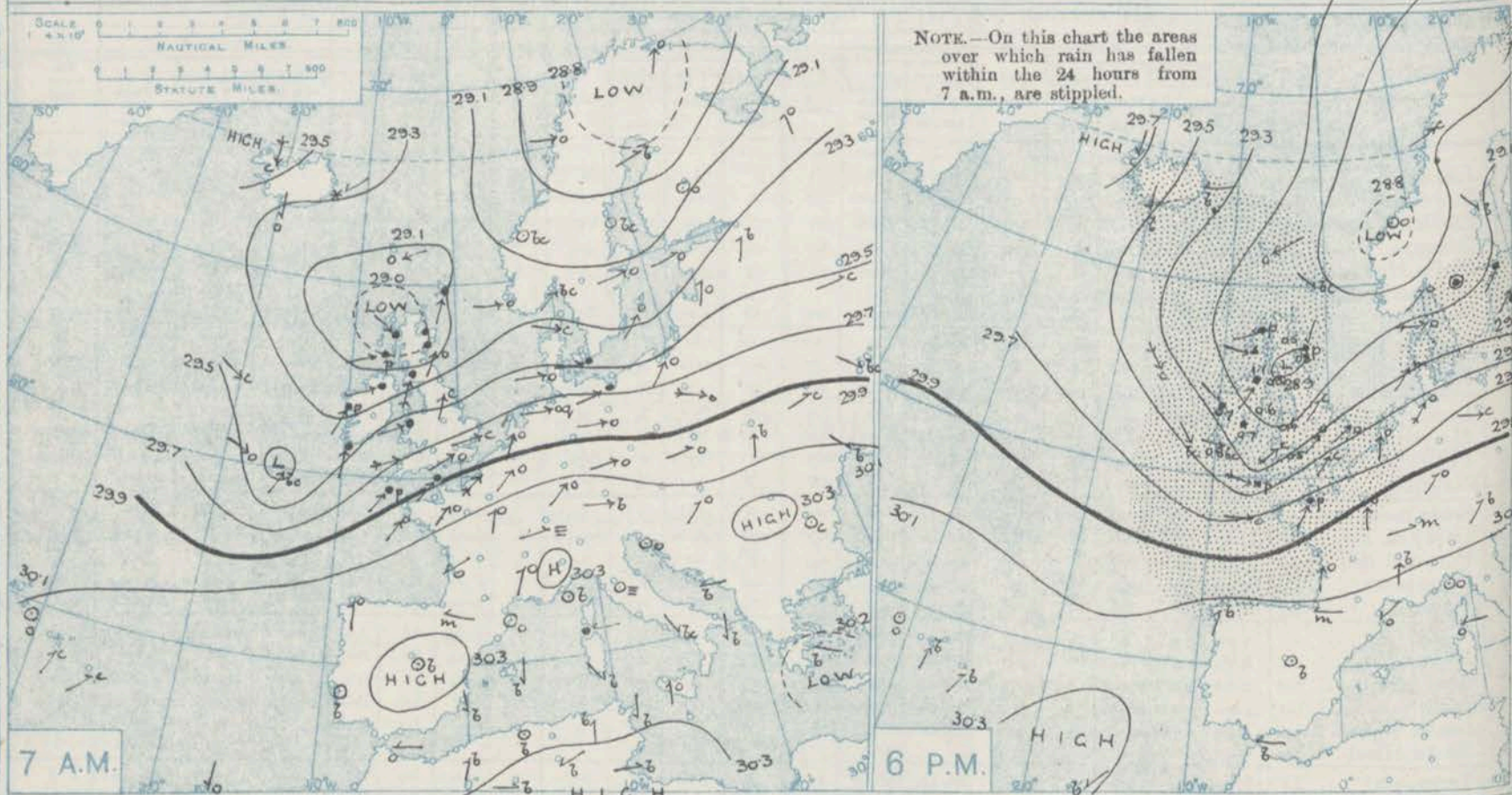
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STATIONS.	YESTERDAY EVENING.						THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.						Sun- shine for Yester- day.
	BAROM. TEMP.		WIND.		Force (0 to 12).	Weather	BAROMETER.		TEMP.		WIND.		Force (0 to 12).	Weather.	Sea (0 to 9).	Rain fall.	TEMP.		WEATHER.				
	At 32° F. and M.S.L. Lat. 46°	Dry Bulb.	Dirac.	Force (0 to 12).			At 32° F. and M.S.L. Lat. 46°	Change since 4 a.m.	Dry Bulb.	Change since Yester- day.	Dirac.	Force (0 to 12).					Max.	Min.	Morning. 7 a.m. to 1 p.m.	Afternoon 1 p.m. to 6 p.m.	Night. 6 p.m. to 7 a.m.		
BRITISH ISLANDS.	Lerwick ...	In. 28.93	F. 39	NW	1	bc	In. 28.85	+0.4	41	0	N	9	bc	S	0.29	42	32	0.0	c. bc.	0.0	0.0	0.0	
	Stornoway ...	29.02	39	WSW	1	op	29.08	+0.4	36	-2	NW	4	o	4	0.22	41	34	bc op	op	op	0.7	0.7	
	Castlebay (Barra Isd.)	29.02	41	WNW	4	ohp	29.20	+0.8	39	-13	NW	4	bc	4	0.34	52	32	opc op	op hp	h. b. csp	0.3	0.3	
	Glasgow ...	28.89	47	SSW	4	org	29.11	+0.2	35	-14	SW	1	org	8	1.11	50	33	rg	opq	rh. asp	0.0	0.0	
	Malin Head...	28.96	41	SW	6	r	29.13	+0.1	41	-8	WNW	9	r	8	0.72	52	38	omr	omr	omq	*	*	
	Blacksod Point ...	29.15	45	NW	3	op												omr	omr	omq	*	*	
	Valencia ...	29.38	46	W	7	bcq	29.78	-1.0	39	-13	W	8	bcf	6	0.76	53	37	omr	mrq	c. b. g. bp	0.0	0.0	
	Roche's Point ...	29.29	45	NW	5	c	29.69	*	40	-12	NW	4	c	5	0.40	52	37	r	r. cb	c. b. p. q.	*	*	
	Birr Castle ...	29.16	42	NW	5	r	29.52	*	37	-15	NW	6	o	8	0.65	52	33	or	org	ogp	0.0	0.0	
	Donaghadee ...	28.97	50	SW	4	omr	29.21	-0.3	36	-5	W	4	bcp	4	0.55	52	36	omp	omp	q. b. c. l.	*	*	
	Liverpool Obsy. ...	29.14	51	S	4	o	29.32	+0.7	35	-15	SW	2	d	4	0.59	53	35	o	eqr	q. o. r.	0.3	0.3	
	Holyhead ...	29.09	52	SW	7	orgm	29.37	+0.5	42	-9	W	8	cgm	8	0.37	53	40	ogmp	orgm	o. d. ch	0.0	0.0	
	Pembroke (St. Ann's Hd.)	29.13	48	SW	9	c	29.52	?	43	-8	W	8	cqp	7	0.28	54	40	cugp	cgm	cugp	0.0	0.0	
	Newquay ...	29.41	52	W	6	op	29.64	+1.0	45	-5	W	8	cqp	7	0.19	53	41	opd	o. opq.	cqph	0.0	0.0	
	ICELAND, FAEROE, &c.	Scilly (St. Mary's) ...	29.33	52	WNW	8	cqp	29.71	+1.5	42	-9	NW	7	cqp	7	0.21	54	37	cqp	cmq. b.	cqp	0.0	0.0
Jersey (St. Aubin) ...		29.76	53	SW	4	ogp	29.65	*	47	-5	WSW	7	ogp	5	0.25	55	44	ogme	ogp. o.	ogp. rh	0.0	0.0	
Portland Bill ...		29.51	52	SW	8	cq	29.47	+0.2	45	-8	W	8	bcq	6	0.10	53	45	od	cqp	cqr	*	*	
Dungeness ...		29.60	52	SSW	9	o	29.46	+0.1	43	-9	WSW	5	bcq	5	0.08	53	42	org	org	cq. bc	*	*	
Dover ...		29.58	50	SW	7	og	29.45	*	41	-9	SW	4	b	4	0.12	52	40	ogt	op. o.	cq. bc	0.0	0.0	
Wick ...		28.95	39	W	3	c	28.93	+0.5	36	-7	W	4	cmp	4	0.48	48	34	omr. c	o. cmpd	o. cmp	*	*	
Nairn ...		28.96	40	W	1	ur	29.04	*	37	-12	W	2	cu	2	0.52	50	34	bc	bc	q. r. a.	0.1	0.1	
Aberdeen ...		28.94	42	NNE	2	r	29.00	+1.0	37	-13	W	5	o	2	0.82	53	36	c. b. q.	b. g. op	org. o.	0.3	0.3	
Leith ...		28.90	50	SW	2	o	29.08	+0.5	36	-16	W	1	b	*	0.81	54	34	o. d. c	c. o. r	r. q. s. bc	*	*	
North Shields ...		29.09	48	SW	3	c	29.15	+0.8	38	-15	SW	3	c	2	-	53	37	c	c	c	*	*	
Spurn Head ...																							
Yarmouth ...		29.47	51	SW	4	o	29.36	+0.2	42	-8	SW	3	bc	3	0.03	53	40	og	o	bcq. p	0.0	0.0	
Clacton-on-Sea ...		29.56	51	SW	5	og	29.40	+0.1	42	-9	SW	4	bc	4	0.02	51	42	og	og	bc	0.0	0.0	
Nottingham ...		29.30	50	SW	7	o	29.31	*	38	-12	SW	3	b	*	Trace	53	38	o	o	o. p. c	0.0	0.0	
Bath ...		29.45	53	SW	6	o	29.47	*	37	-10	W	5	r	*	0.50	54	37	od	d. og	d. o. q. r	0.0	0.0	
London (Kew Obsy.) ...	29.52	51	SW	5	cq	29.43	0.0	41	-9	SW	2	bc	*	0.03	53	41	od. o. cq.	cq. o. d. q.	cq. bc. o. r.	0.1	0.1		
SCANDINAVIA.	Spitzbergen ...	29.07	21	E	4	b	29.09	+0.2	17		SE	2	b	*	-	23	12						
	Isafjord ...	29.70	22	N	8	c	29.81	-1.03	16	-7	N	2	c	*	*	*	*						
	Reykjavik ...	29.62	23	NNE	5	bc	29.80	0.0	15	-12	-	0	b	*	*	*	*						
	Vestmanna ...	29.49	19	N	3	b	29.76	+0.4	15	-12	-	0	b	1	*	*	*	*					
	Seydisfjord ...	29.41	24	E	2	b	29.56	+0.1	15	-11	WNW	4	b	*	*	*	*						
	Thorshavn ...	29.05	35	ENE	5	o	29.19	+0.4	31	-6	N	4	bc	*	*	*	*						
	Haparanda ...																						
	Hernösand ...	29.10	21	NW	2	b	28.96	-1.10	25	-1	-	0	s	*	-	32	19						
	Stockholm ...	29.12	37	SW	2	r	29.97	-0.4	45	+7	SSW	4	o	*	0.12	45	37						
	Wisby ...	29.19	46	SW	4	r	29.16	-0.3	45	+2	SW	6	c	*	0.16	48	43						
	Karlstad ...	29.04	37	-	0	r	28.82	-1.10	45	+5	S	6	p	*	0.16	46	30						
	Vardö ...	28.85	25	SSW	4	o	28.93	0.0	20	-2	SW	6	o	3	?	25	19						
	Bodö ...	28.91	25	WSW	4	c	28.91	-0.1	27	-10	E	2	b	2	-	37	25						
	Christiansund ...	28.74	35	-	0	o	28.72	-0.8	36	+1	-	0	o	4	-	36	34						
	Skudesnaes ...																						
Færder (X'lania Fjord)	28.99	45	WSW	2	o	28.65	-2.4	48	+3	S	10	r	5	0.32	48	41							
The Scaw (Skagen) ...	29.11	50	W	8	o	28.82	-1.1	49	+3	SW	10	o	3	0.24	50	43							
Blaavands Huk ...	29.32	50	SW	7	m	29.04	-1.02	48	-1	WSW	10	m	7	Trace	50	46							
GERMANY, &c.	Cuxhaven ...	29.56	44	SW	8	o	29.29	-0.2	47	-2	SW	10	og	5	-	49	44						
	Berlin ...	29.78	45	W	5	c	29.59	-0.4	40	-9	S	3	o	*	-	50	37						
	Frankfurt ...	29.96	43	SW	3	o	29.72	-0.7	45	+1	SW	3	o	*	-	48	39						
	Munich ...	30.06	43	SW	2	b	29.91	-0.2	38	-3	SSW	1	b	*	-	52	34						
	The Helder ...	29.57	49	S	7	o	29.34	+0.1	48	-3	SW	7	c	7	0.04	52	48						
	Brussels ...	29.74	44	SSW	7	o	29.52	-0.1	46	+1	SW	4	r	*	0.16	47	42						
	C. Gris Nez ...	29.65	51	SW	8	o	29.47	0.0	48	-2	W	7	c	7	0.28	54	48						
	La Hève ...	29.64	48	SSW	6	o	29.61	*	47	-2	SW	7	og	7	0.24	50	42						
	Ushant ...	29.64	55	W	6	o	29.84	*	45	-9	NW	7	r	7	0.16	55	41						
	Brest (St. Mathieu) ...	29.72	54	SW	7	o	29.78	+0.4	49	-4	NW	8	o	7	0.04	55	46						
	Lorient (Bec Melen) ...	?	52	WSW	7	o	?	*	48	-4	WNW	6	c	7	0.16	55	41						
	Rocheport (Ile d' Aix)	30.02	48	S	4	o	29.94	+0.6	53	+12	WNW	6	bc	7	0.32	53	39						
	Biarritz ...	30.11	43	E	2	m	30.07	+0.4	54		WSW	5	o	2	-	45	27						
	FRANCE.	Paris ...	29.94	40	SSW	3	o	29.71	+0.1	45	+6	SW	3	o	*	0.12	48	39					
		Belfort ...	30.07	40	WSW	3	m	29.91	*	38	+1	W	4	c	*	-	45	33					
Lyons ...		30.09	50	S	4	b	29.99	*	51	+12	SSW	3	bc	*	-	51	39						
Nice ...		30.24	52	-	0	o	30.13	+0.2	50	+4	E	2	c	1	-	59	46						
Perpignan ...		30.19	4	NE	1	o	30.06	-0.1	44	-2	SW	2	c	*	-	51	43						
Sanguinaire ...		30.25	59	E	2	o	30.17	*	57	0	E	3	o	2	-	63	52						
SPAIN, PORTUGAL, &c.		Corunna (8 a.m.) ...	30.13	38	SSW	1	b	30.28	+0.8	54	+4	NW	6										

BAROMETER, WIND AND WEATHER FOR 7 A.M. AND 6 P.M. 3rd DECEMBER.



7 A.M.

6 P.M.

WEATHER PROSPECTS.

Valencia reports a decided fall of the barometer, and it is probable, therefore, that the

disturbed type of conditions will be maintained.

FORECASTS FOR THE 24 HOURS NOON THURSDAY

TO NOON FRIDAY.

- 0 { a } North-Westerly and Northerly winds, squally, strong to a gale at times, backing again; changeable, some rain or sleet; cold.
- 1 { b }
- 2 { a } South-Westerly to North-Westerly winds, squally, strong to a gale at times locally, backing again later; changeable, some rain, hail or sleet; colder temporarily.
- 3 { b }
- 4 { a }
- 5 { b }

FORECAST DISTRICTS.



STORM WARNINGS.

The Coasts upon which the Warning Signals are at present displayed are indicated thus:—

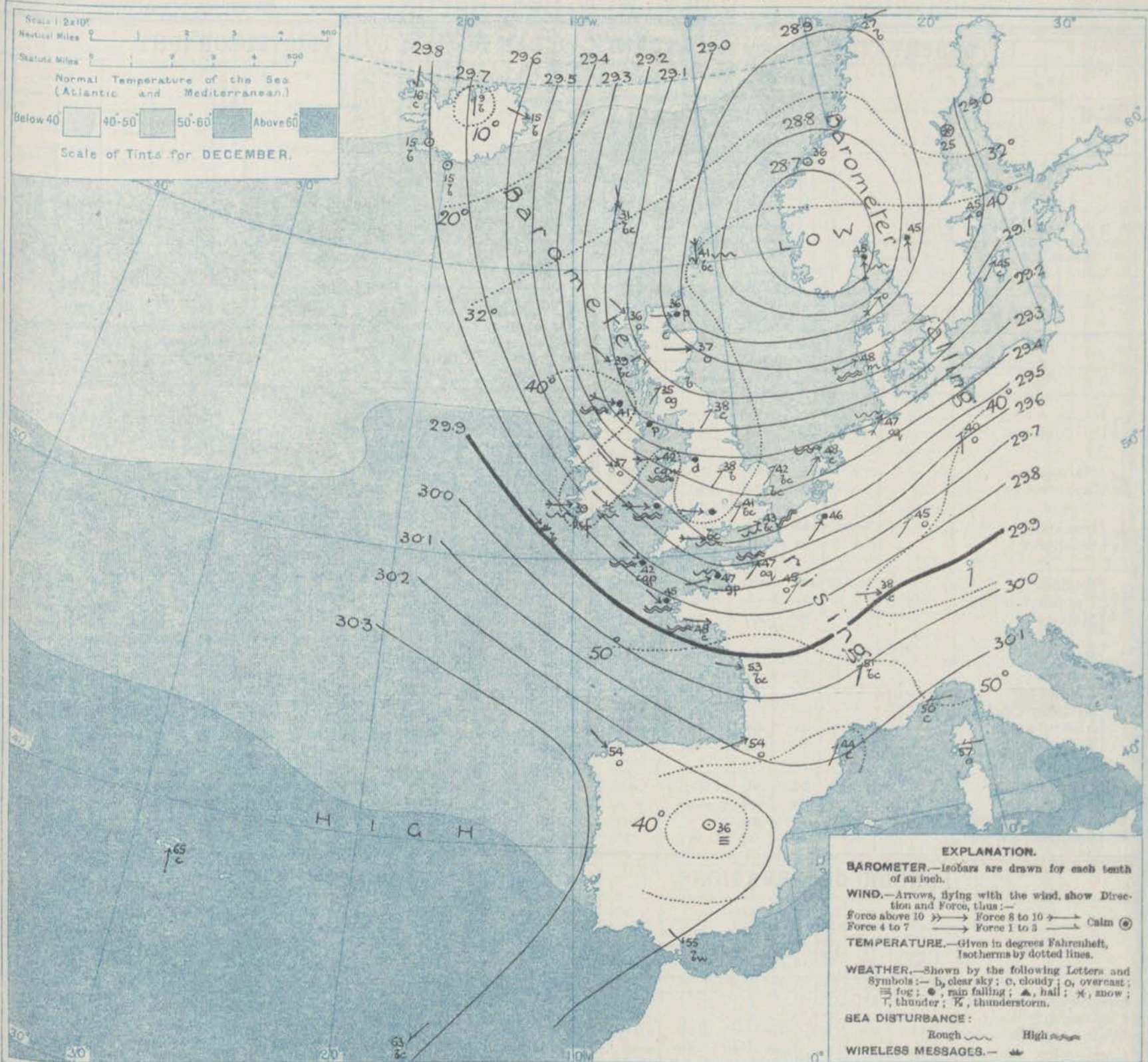
Signals hoisted yesterday.	Signals hoisted this morning.
South Cone	South Cone
North Cone	North Cone

SIGNALS FLYING ON ALL COASTS
North Cone hoisted in District 1 from 7 p.m. South ... remainder at 8 p.m. yesterday

- 6 { a } North-Westerly to Westerly
- 7 { b }
- 8 { a } and South-Westerly winds, strong to a gale; squally, changeable, some rain, hail or sleet; colder temporarily.
- 9 { b }
- 10 { a }
- 11 { b } WESTERN CHANNEL AND BAY.
North-Westerly to South-Westerly winds, strong to a gale, rough sea; squally, some rain; moderate temperature.

THE FURTHER OUTLOOK.

SYNOPTIC CHART FOR 7 A.M. THURSDAY, 4TH DECEMBER 1913.



NOTES ON THE GENERAL SITUATION AT 7 A.M.

An area of high pressure extends from the Spanish Peninsula westward to mid Atlantic, the barometer being above 30.3 in. at the Azores. A deep depression is centred over southern Norway, where the barometer is below 28.7 in. The gradient is rather steep over the greater part of the region under observation.

The winds show a complete cyclonic circulation round the pressure minimum, the force varying greatly, a light breeze in many places, strong winds to a strong or whole gale at many others. There has been a decided fall of temperature

over the British Isles, where the values now range from 35° at Glasgow and Liverpool to 47° at Jersey. On the Continent the values range from 20° at Vardø to 54° at Comma and Biarritz, and 55° at Gibraltar and in Iceland from 9° to 16°. At Spitzbergen the reading is 17°. The weather varies from fine and clear to overcast and dull, with rain in some localities, snow at Hinnésand. A rough to very high sea is running on our southern and western coasts, and on the eastern side of the North Sea.

Thursday, 4th December, 1913.

DATE AND HOUR.		POSITION.		NAME OF SHIP.	O = Outward. H = Homeward.	BAROMETER.		WIND.		WEA- THER.	DATE AND HOUR.		POSITION.		NAME OF SHIP.	O = Outward. H = Homeward.	BAROMETER.		WIND.		WEA- THER.
Lat. N.	Long. W.	Reading.	Change in 3 hours.			Dirac.	Force.	Lat. N.	Long. W.		Reading.	Change in 3 hours.	Dirac.	Force.							
4th 7 a.m.	51 12	Arabic	0	29.58	+0.08	NW	6-7	b	3rd 6 p.m.	51 13	Empress of Britain	H	29.56	+0.01	NW	6-7	bc				
3rd 7 p.m.	47°33'41" S	H.M.S.		29.84	-0.04	SE	7	0	" "	51 12	Merion	H	29.49	+0.10	WNW	6-7	b				
Dry Bulb 57° Wet Bulb 51° Sea disturbance S.					Sea Temperature 58°					" 7 a.m.	54 20	Corsican	H	29.40	-0.04	WNW	4-5	c			
Barometer rising. Sea rising.										" "	50 16	Merion	H	29.28	-0.10	SW	6-7	bc			
4 Gpm.	55 16	Corsican	H	29.46	+0.08	NW	8-9	c													

	STATIONS.	Rainfall.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.
			Max.	Min.	Morning.	Afternoon.	
Scot. land.	{Oban	In. 0·87	F.° 51	F.° 46	r.bc	or	0·0
	{St. Andrews	0·04	52	47	"	"	0·0
Eng. N.E.	{Harrogate	-	51	49	c.o	c.c.o	0·0
	{Scarborough	"	52	45	o	o	0·0
Eng. N.W.	{Blackpool	0·02	53	49	og	og	0·0
	{Southport	-	52	48	o	o	0·0
Mid- lands.	{Buxton	0·01	47	42	f.c	c	0·0
	{Leamington Spa	"	52	42	o	o	0·0
	{Malvern	"	51	47	c.o	c	0·0
Wales.	{Rhyl	0·02	54	43	c.bc	c.o.or	1·4
	{Colwyn Bay	-	55	49	bc	bc	0·4
	{Llandudno	0·02	?	?	.	.	1·2
	{Bettws-y-Coed
	{Aberystwyth	0·09	52	49	r.o.c	o.r	0·0
	{Tenby	0·31	53	44	op	p	0·0
England, E.	{Lowestoft	-	52	46	c.c.o	c.c.o	0·0
	{Felixstowe	-	52	44	m.og	c.og	0·0
	{Walton-on-Naze	-	51	45	o	o	0·0
	{Southend-on-Sea	-	52	46	o	o	0·0
	{Margate	-	52	48	o	o	0·0
	{Ramsgate	-	51	48	.	.	0·0
	{Folkestone	0·02	52	49	or	o	0·0
	{Hythe	0·0
	{Littlestone	0·0
	{Hastings	0·02	53	50	op	o	0·0
	{Bexhill-on-Sea	0·02	53	51	og	p.og	0·0
	{Eastbourne	0·05	54	50	c.c	og	0·0
	{Seaford	0·01	54	50	o	or	0·0
	{Brighton	0·01	54	51	od	o	0·0
	{Worthing	0·05	53	50	org	og	0·0
	{Littlehampton	0·03	0·0
	{Southsea	0·03	53	50	ad.o	or.o	0·0
	{Ryde	0·08	55	51	ayp	o	0·0
	{Ventnor	0·09	57	49	.	.	0·0
	{Bournemouth	0·08	53	49	r.o	od	0·0
	{Weymouth... ..	0·05	54	50	o.c	d	0·0
	{Exmouth	1·2
	{Teignmouth	0·03	54	50	q.cp	q.cp	0·0
	{Torquay	0·03	54	50	o	cp.o	0·0
	{Paignton	0·0
	{Falmouth	0·06	53	49	og	org	0·0
	{Bude	0·09	55	50	odpe	opr	0·0
	{Ilfracombe	0·19	54	49	op	ogp	0·0
	{Weston-super-Mare	-	53	47	c.b.bc	c	0·0

LONDON OBSERVATIONS.										LONDON OBSERVATIONS FOR YESTERDAY.										
STATIONS.	HUMIDITY.		Sun- shine for Yester- day.	TEMPERATURE.			Rain- fall.	WE. THER.			STATIONS.	RAIN- FALL.	TEMPERATURE.			WEATHER.			Sun- shine for Yester- day.	
	3 p.m. Yester- day.	9 a.m. To- day.		In Screen.		Min. on Grass.		Fore- noon.	After- noon.	Night.			In Screen.	Night Min. on Grass.	Night.	Fore- noon.	After- noon.			
				Max.	Min.													Max.		Min.
				24 HOURS ENDED 9 A.M. TO-DAY.																
Greenwich (Royal Obs.) ...	81	78	0.1	53	40	31	0.04	0	0	op.abc	Dublin to 4 p.m.	In.	F.°	F.°	F.°	cg	cg p	cg r	H.	
City (Bunhill Row) ...	"	"	0.0	"	"	"	"	"	"	"	Plymouth to 9 p.m.	0.14	54	50	49	cg	cg p	cg r	"	
Westminster (St. James's Pk.)	83	84	0.1	54	41	38	0.04	0.0	r	b	Darwen "	0.13	54	49	48	cg	cg	cg	0.	
Camden Sq. (Brit. Rainfall)	80	81	0.0	54	40	34	0.05	0	0.0 r	*	Manchester "	0.02	50	47	44	ev	our	our	0.	
Hampstead (Reservoir) ...	"	82	0.0	51	38	26	0.08	0.0 r	bc. 0	rx c	Birmingham "	-	50	47	43	"	0	0	0.	
Richmond Park ...	"	"		VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.							Oxford to 8 p.m.	"	51	49	47	og	og d c	og d		
Kew. (See front page.)				Total.		Average Rate.		Max. Rate.			S. Kensington		53	50	45	0	odg. 0	og. 0		
S. Kensington (Roof of M.O.)	87	85	0.1	138	Joules.	4.8	Milliwatts.	15	Milliwatts.		(Museum Grounds to 6 p.m.)									

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM TO-DAY AND TO-MORROW				NOTES ON YESTERDAY'S WEATHER.	
4th & 5th Decr., 1913.				<p>Temperature rose above 50° in most parts of this country, but in the night it dropped below 40°, to 32° at Castlebay and Lerwick. Rain was general, exceeding a inch at Glasgow. Only a few stations report brief intervals of sunshine. A severe westerly gale raged on many coasts, storm force at Scilly and Dungeness, gusts of 77 miles per hour at Hisham, 72 miles at Holyhead, 75 miles at Birmingham, and 82 miles at Southport. As far west as the 22nd meridian ships experienced S⁴ to W⁴ and NW⁴ winds, other a gale, with fine to dull weather. In mid-ocean a new disturbance was indicated, with light SE⁴ winds, a falling barometer and increasing sea.</p>	
	Sunrise.	Noon.	Sunset.		
Yarmouth	G.M.T. 7.46 7.47	G.M.T. 11.43 11.44	G.M.T. 3.40 3.40		
Greenwich	7.49 7.50	11.50 11.51	3.52 3.52		
Wick	8.43 8.45	12.2 12.3	3.22 3.21		
Valencia	8.12 8.33	12.31 12.32	4.30 4.20		

NOTE.—The information relating to weather is indicated by the following letters—b. blue sky; bc. sky half clouded; c. sky three parts clouded; d. drizzling rain; e. wet air, without rain falling; f. fog; g. gloom; h. hail; l. lightning; m. mist; o. overcast sky; p. passing showers; q. squalls; r. rain; s. snow; t. thunder; u. ugly, threatening sky; v. visibility, unusual transparency; w. dew; x. hoar frost; z. dust-haze, or smoke.

The Daily Weather Report is sent free by post to any address in the United Kingdom on payment of £1 per annum, for postage and wrappers.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

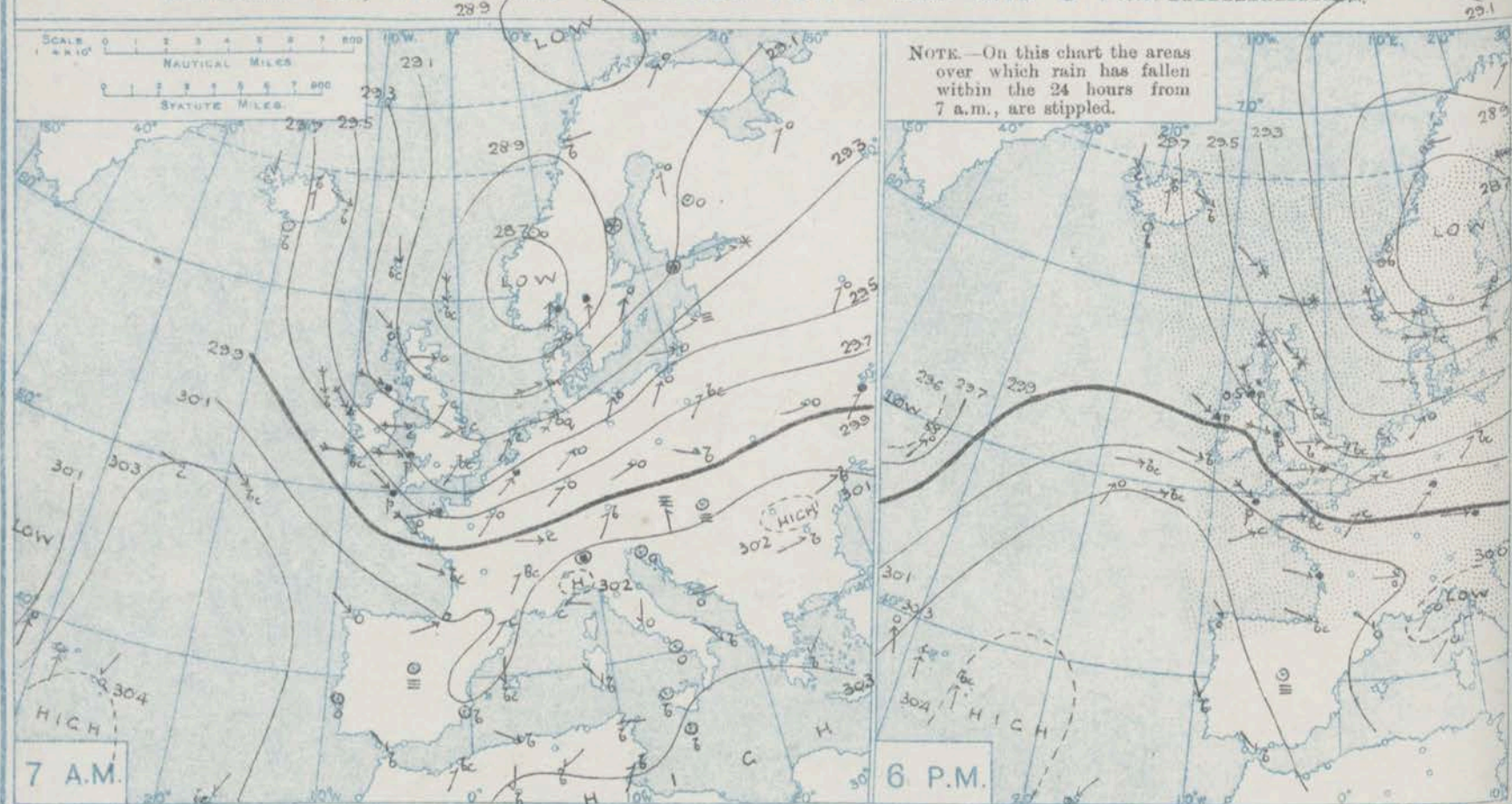
Friday,
5th December, 1913.

STATIONS.	YESTERDAY EVENING.						THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.						Sun- shine for Yester- day.
	Barom.		Temp.		Wind.		Barometer.		Temp.		Wind.		Sea (0 to 9).	Rain fall.	Temp.		Weather.						
	At 32° F. and M.S.L. Lat. 45°.	Dry Bulb.	Dir.	Force (0 to 12).	Weather.	At 32° F. and M.S.L. Lat. 45°.	Change since 4 a.m.	Dry Bulb.	Change since Yester- day.	Dir.	Force (0 to 12).	Weather.			Max.	Min.	Morning 7 a.m. to 1 p.m.	Afternoon 1 p.m. to 6 p.m.	Night 6 p.m. to 7 a.m.				
BRITISH ISLANDS.	Lerwick ...	29.19	36	WNW	7	bcs	29.39	+0.5	35	-6	WNW	5	bc	4	0.04	41	32	c	bcs	cph.be	0.0		
	Stornoway ...	29.53	36	MNW	5	cphq	29.64	+0.6	32	-4	NNE	4	b	4	0.23	38	30	cph	cphq	bc.bps	0.0		
	Castlebay (Barra Isd.)	29.60	37	WNW	4	bc	29.66	+0.5	37	-2	NW	3	o	4	0.13	41	34	bc.shp	bc.shp	bc.shp	1.0		
	Glasgow ...	29.56	35	WNW	4	b	29.62	+0.4	33	-2	WNW	1	b	3	0.02	39	32	cf.be-o	bc.o.be	o.bq	2.2		
	Malin Head...	29.68	38	MNW	9	cq	29.69	+0.9	38	-3	N	3	c	3	0.53	44	32	oqb	oqb	ops	*		
	Blackod Point	29.85	42	NW	5	cph	29.77	+0.5	46	+6	WNW	5	ogp	4	0.26	47	38	cqb	cqb	cmpl	*		
	Valencia ...	30.02	46	WNW	5	b	29.94	-0.1	50	+11	WSW	7	og	6	0.10	50	38	bcq	bcq	opq	1.6		
	Roche's Point	30.00	40	NW	4	b	29.90	*	46	+6	W	2	c	4	0.03	47	38	cqb	bcqb	bc.c	*		
	Birr Castle ...	29.91	37	W	2	c	29.78	*	44	+7	W	4	o	4	0.37	45	35	Cqb	c	or.o	2.3		
	Donaghadee ...	29.60	35	MNW	4	bcqb	29.62	+0.9	40	+4	SW	2	bc	4	0.30	43	34	bcqps	bcqb	bcqb	*		
	Liverpool Obsy....	29.66	42	WNW	7	o	29.56	+0.2	43	+8	W	7	og	7	0.35	44	35	rh.cq	pg.cq	og.f	0.7		
	Holyhead ...	29.77	43	WNW	8	cqbm	29.69	-0.0	47	+5	WNW	7	cqb	8	0.12	47	44	oqb	oqb	bc.p	0.4		
	Pembroke (St. Ann's Hd.)	29.88	44	WNW	7	c	29.80	-0.2	50	+7	W	8	cq	7	0.01	54	44	cqb	bcq	bcq	2.2		
	Newquay ...	29.96	46	NW	8	cqb	29.93	-0.2	49	+4	W	8	opq	7	0.32	50	40	opq	bc.cqb	opq	1.1		
	ICELAND, FAEROE, &c.	Scilly (St. Mary's)	30.03	46	NW	8	cqb	30.00	-0.0	49	+7	WNW	7	cqb	7	0.12	50	40	cqb	bcqb	cqb	2.6	
Jersey (St. Aubin)		29.93	47	W	6	bc	30.03	*	48	+1	W	6	og	5	0.28	48	41	ogqb	cqb	cqb	1.3		
Portland Bill ...		29.85	45	WNW	8	b	29.87	-0.8	50	+5	WSW	6	c	5	0.14	50	41	og	c.be	l.bcqb	*		
Dungeness ...		29.64	41	WNW	7	c	29.84	-0.6	45	+2	W	5	ou	5	-	46	39	bcq	c.bq	bc.o	*		
Dover ...		29.63	40	WSW	5	cl	29.85	*	43	+2	SW	4	od	6	0.03	43	34	oor.bc	c.cip	cbcc.o	3.8		
Wick ...		29.39	33	HW	4	c	29.55	+0.4	30	-6	NW	2	o	3	0.25	41	26	cmqps	og.phs	bc.ops	*		
Nairn ...		29.49	32	NW	1	og	29.60	*	31	-6	-	o	cu	1	0.31	37	27	sc	ucs.cq	ps	0.0		
Aberdeen ...		29.45	34	WNW	5	s	29.58	+0.2	28	-9	W	1	b	2	0.17	38	28	ogs	og.cq	ms.bq	0.0		
Leith ...		29.38	38	SW	2	bc	29.57	+0.4	24	-2	SW	1	bc	2	Trace	42	33	c	op.o.c	bc.b	*		
North Shields ...		29.48	37	WNW	3	bc	29.57	-0.2	36	-2	-	o	op	2	0.02	42	33	c	c.or	bc.o	2.6		
Spurn Head ...		29.40	39	WNW	8	bc	29.57	-1.1	35	-3	S	3	os	5	0.14	40	34	cq	bcq	bcq	0.9		
Yarmouth ...		29.45	39	W	5	bcq	29.72	-0.1	36	-6	W	3	o	3	-	42	34	bc	bcq	bc.o	2.6		
Clacton-on-Sea ...		29.55	40	W	5	cq	29.74	-0.7	40	-2	SW	5	ogr	4	0.03	44	37	ogp.bc	bc.cqb	bc.ogr	3.4		
Nottingham ...		29.59	37	W	4	b	29.61	*	39	+1	SW	4	r	4	0.27	42	34	bcps	cps.b	b	2.7		
Bath ...		29.81	40	NW	4	o	29.78	*	47	+8	W	5	o	4	0.07	48	35	og.bc	cq.bc	g.bc.og	3.5		
London (Kew Obsy.)	29.70	40	W	6	og	29.75	-1.1	41	0	SW	4	o	4	0.10	45	36	bc.cq	og.og.og	og.b.o	3.2			
SCANDINAVIA.	Spitzbergen ...	29.16	24	ESE	3	b	29.17	-0.0	15	-2	-	o	b	4	-	24	12						
	Isafjord ...	29.75	18	N	2	c	29.65	-0.3	28	+12	E	3	bc	4	-	24	12						
	Reykjavik ...	29.78	14	SE	1	b	29.74	-0.4	23	+8	E	5	bc	4	-	24	12						
	Vestmanna ...	29.72	16	-	o	b	29.74	-0.0	29	+14	-	o	b	1	-	24	12						
	Seydisfjord ...	29.62	17	WNW	3	b	29.76	+0.1	17	+2	SSW	3	b	4	-	24	12						
	Thorshavn ...	29.37	30	NW	7	s	29.56	+0.3	27	-4	MNW	5	s	4	-	24	12						
	Haparanda ...	28.73	23	E	6	s	28.43	-0.6	25		NNE	4	o	4	0.24	28	7						
	Hernösand ...	28.62	42	SEW	8	o	28.96	+1.1	36	-9	WSW	4	b	4	Trace	45	34						
	Stockholm ...	29.08	43	SW	8	b	29.19	+0.8	41	-4	WSW	8	b	4	-	46	41						
	Wisby ...	29.08	43	SW	8	b	29.19	+0.8	41	-4	WSW	8	b	4	-	46	41						
	Karlstad ...	29.08	43	SW	8	b	29.19	+0.8	41	-4	WSW	8	b	4	-	46	41						
	Vardö ...	28.95	20	SW	2	o	28.96	-0.0	23	+3	-	o	o	2	-	23	19						
	Bodö ...	28.75	26	E	4	o	28.78	+0.5	27	0	E	2	bc	1	-	27	21						
	Christiansund ...	28.76	36	NE	3	oh	29.01	+0.9	37	+1	NW	3	o	5	0.59	37	32						
	Skudesnaes ...	29.05	40	MNW	8	c	29.16	+0.4	38		MNW	6	o	4	?	40	34						
Færder (X'ania Fjord)	28.73	44	W	6	o	29.00	+0.3	41	-7	WSW	6	c	4	0.08	48	39							
The Scaw (Skagen)	29.03	44	W	9	bc	29.15	+0.1	39	-10	WNW	8	bc	3	0.04	49	37							
Blaavands Huk ...	29.23	42	W	7	c	29.41	+0.6	41	-7	WNW	5	r	4	0.04	48	39							
GERMANY, &c.	Cuxhaven ...	29.35	40	SW	6	o	29.53	+1.0	40	-7	WNW	5	orhq	3	0.29	47	36						
	Berlin ...	29.50	45	SW	3	bc	29.62	+0.1	39	-1	SW	4	o	4	0.04	50	37						
	Frankfurt ...	29.75	45	SW	7	r	29.95	+0.4	39	-6	W	4	c	4	0.04	50	39						
	Munich ...	29.91	41	W	7	r	30.06	+0.4	36	-2	W	6	c	4	0.04	52	36						
	The Heider ...	29.99	45	SW	7	c	29.69	+0.4	44	-4	WSW	6	c	7	0.20	48	37						
	Brussels ...	29.68	39	WSW	5	c	29.91	+0.2	35	-9	WSW	2	b	4	0.20	46	35						
	C. Gns Nez ...	29.62	44	W	8	b	29.87	-0.4	46	-2	WSW	7	r	6	0.04	52	41						
	La Hève ...	29.81	45	W	8	o	30.01	*	43	-4	W	8	og	8	0.16	48	41						
	Ushant ...	30.12	46	WSW	6	c	30.12	*	52	+7	WNW	5	o	7	0.12	52	45						
	Brest (St. Mathieu)	30.10	47	NW	7	c	30.15	+0.2	50	+1	WNW	6	o	6	0.08	54	45						
	Lorient (Bee Melen)...	?	50	WNW	6	c	?	*	50	+2	WNW	5	r	6	0.04	52	48						
	Rochefort (Ile d'Ala)	30.17	46	WNW	7	r	30.28	+0.1	49	-4	NW	3	c	4	0.28	55	45						
	Biarritz ...	30.25	52	NW	4	bc	30.35	+0.1	51	-3	W	4	c	4	0.35	54	45						
	FRANCE	Paris ...	29.92	39	SW	3	b	30.09	+0.1	34	-11	SW	2	b	4	0.04	49	34					
		Belfort ...	29.95	40																			

GALES.
Duration and Extreme Force
in British Islands

Lerwick 7 a.m. - 10 a.m.
N.

BAROMETER, WIND AND WEATHER FOR 7 A.M. AND 6 P.M. 4TH DECEMBER



GENERAL INFERENCE

A complex disturbance now forming over England will maintain a very unsettled type of weather over the country generally. There

WEATHER PROSPECTS.

are some indications of the approach of another depression from the Atlantic.

FORECASTS FOR THE 24 HOURS NOON FRIDAY

TO NOON SATURDAY.

- 0 {
a Light to moderate variable breezes
b between North and West, backing later and freshening; fine to dull, some rain or snow; cold.
- 1 {
- 2 {
a South-Westerly and Westerly
b winds, strong to a gale at times;
- 3 {
a unsettled, some rain, sleet or snow;
b
- 4 {
a cold.
b
- 5 {

FORECAST DISTRICTS.



STORM WARNINGS.

The Coasts upon which the Warning Signals are at present displayed are indicated thus:—

Signals hoisted yesterday.	Signals hoisted this morning.
South Cone.	South Cone.
North Cone.	North Cone.

SOUTH CONE HOISTED
in Districts 2, 3, 5, 7, 8 and 10.
at 8.20 a.m. to-day.

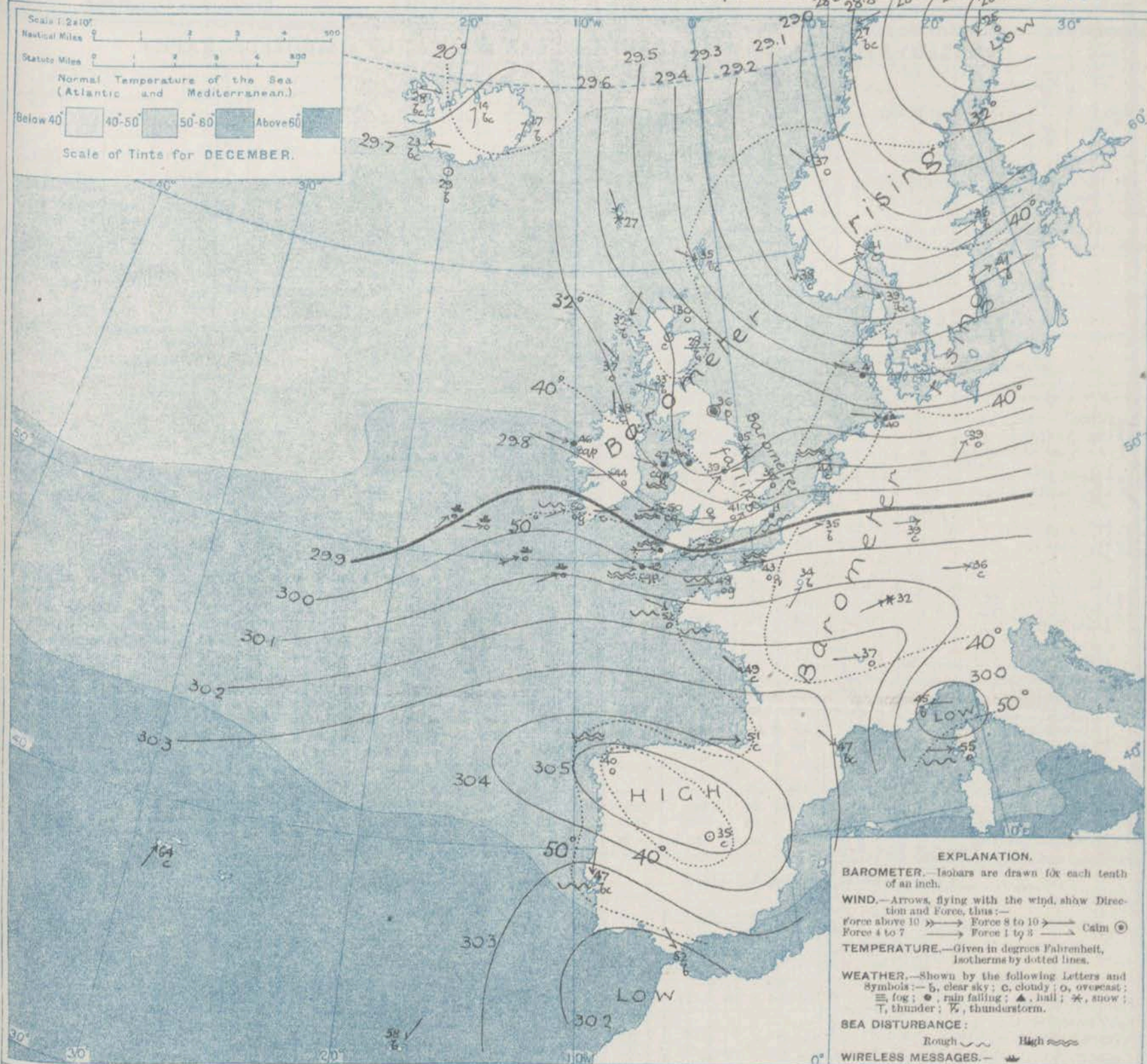
- 6 {
a Same as Nos. 0 & 1
b
- 7 {
a Westerly and South-Westerly winds,
b strong to a gale at times; squally, unsettled,
some rain and hail; moderate temperature.
- 8 {
a Same as Nos. 0 & 1.
b
- 9 {
a Same as Nos. 7 & 8.
b
- 10 {
a
b

11 WESTERN CHANNEL AND BAY.

Westerly winds, strong to a gale; sea rough; squally, changeable, some rain and hail; moderate temperature.

THE FURTHER OUTLOOK.

SYNOPTIC CHART FOR 7 A.M. FRIDAY, 5TH DECEMBER 1913.



NOTES ON THE GENERAL SITUATION AT 7 A.M.

An area of high pressure extends from Switzerland westward to the Atlantic, with the barometer above 30.5 in. over Central Spain. In a very deep depression over Northern Europe the barometer is below 28½ in. at Haparanda. A complex secondary is forming over England, a rapid fall of the barometer being reported locally. Wireless reports indicate the approach of yet another depression from the Atlantic. The gradient is steep over many parts of our area.

Northerly to Westerly and South Westerly winds prevail generally, the force being very variable, from calm or light breezes in some localities to strong winds or gales

in others. Over the British Isles temperature ranges from 23° at Aberdeen to 50° at Valencia, Pembroke and Portland Bill; on the Continent from 23° at Vardø to 51° at Biarritz and 52° at Gibraltar, and in Iceland from 14° to 29° at Spitzbergen the reading is 15°. The weather is exceedingly variable throughout our area, clear and cloudless to overcast and dull, with showers in many places, of soft hail at Cuxhaven, snow at Spurn Head and in Harze. A rough to very high sea is running in the Western and Southern Channels and on the eastern side of the North Sea.

DAILY WEATHER REPORT.

Friday, 5th December, 1913.

OBSERVATIONS from the ATLANTIC OCEAN received by RADIOTELEGRAPHY.

DATE AND HOUR.	POSITION.		NAME OF SHIP.	O = Outward. H = Homeward.	BAROMETER.		WIND.		WEATHER.	DATE AND HOUR.	POSITION.		NAME OF SHIP.	O = Outward. H = Homeward.	BAROMETER.		WIND.		WEATHER.
	Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.			Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.	
5th 7am	50	12	Lake Michigan	H	30.06	-0.07	WSW	8-9	o	5th 7am	49	10	Philadelphia	H	30.09	-0.02	WSW	6-7	o
3th 7am	51	15	Royal George	o	29.86	-0.05	W	6-7	o	"	51	16	Olympic	o	29.94	-0.12	SW	6-7	bc
4th 7pm	49° 33' 52"		H.M.S.	o	29.61	+0.02	SbyW	5	o	4th 6pm	49	14	Kronland	H	30.27	+0.06	W	6-7	c
Dry bulb 58°. Wet bulb 57°. Sea Temp 56°. Sea Disturbance 6										"	49	22	Philadelphia	H	30.31	+0.03	WNW	1-3	bc
4th 6pm	49	17	Philadelphia	H	30.24	+0.01	SW	4-5	o	"	49	18	Kronland	H	30.26	+0.05	NW	4-5	bc
"	51	16	Arabic	o	30.12	+0.01	W	6-7	bc	"	55	12	Cordican	o	29.50	.00	NW	8-9	b.
"	50	15	Lake Michigan	H	30.22	-0.02	WSW	6-7	o	"	50	18	Lake Michigan	H	30.19	.00	NW	6-7	b.

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

STATIONS.	Rainfall.	TEMPERATURE.		WEATHER.		Sunshine to 6 p.m.	STATIONS.	Rainfall.	TEMPERATURE.		WEATHER.		Sunshine to 6 p.m.
		Max.	Min.	Forenoon.	Afternoon.				Max.	Min.	Forenoon.	Afternoon.	
Scot. land.	In.	F.	F.			Hr.	Margate	In.	F.	F.			Hr.
(Oban	0.14	42	33	s. crq	c. o	0.0	Ramsgate	0.04	44	39	bc	bc	3.0
(St. Andrews							Folkestone		45	40	o. bc	bc	3.2
Eng. N.E.							Hythe						
(Harrogate	0.14	39	31	or. o. c	cp. bc	1.0	Littlestone						3.5
(Scarborough		41	37	o	o	0.6	Hastings	0.11	53	39	op. bc	o. bc. b	3.9
Eng. N.W.							Bexhill-on-Sea	0.11	53	40	c. bc	bg. bc	3.8
(Blackpool	0.25	52	34	op. hq. c	cq	0.6	Eastbourne	0.18	55	40	o. bcq	bcq	3.3
(Southport	0.47	43	36	or. hq. c	cr. hq. o	0.3	Seaford						
Mid. land.							Brighton	0.17	46	41	c. bc. b	b. bc. c. b	3.6
(Buxton	0.33	44	30	bcsp	bcsp	0.3	Worthing	0.11	46	39	bc	bc	3.7
(Leamington Spa	0.21	42	35	op	or	1.3	Littlehampton	0.08					4.6
(Malvern	0.23	50	36	bc. c	p	0.0	Southsea	0.17	44	41	b. bc	bc. c. o	3.3
Wales.							Ryde	0.14	45	42	bc	bc	3.7
(Rhyl	0.84	44	43			0.0	Ventnor	0.15	?	41			4.3
(Colwyn Bay	0.05	38	36	h	h	0.0	Bournemouth	0.10	45	39	c. bc	bc. b	3.3
(Llandudno	0.63	45	38	ops	bc	0.0	Weymouth	0.11	45	40	bcq	p. bc	2.9
(Bettws-y-Coed	0.48	49	39	o	o	0.8	Exmouth	0.38	55	39	rg. cp	c. bc	2.8
(Aberystwyth	0.15	46	39	r. o. c	c. o	0.5	Teignmouth	0.15	53	40	cpq	bcq	1.4
(Tenby	0.17	45	40	bc	ch	4.5	Torquay	0.13	45	39	cp	p. bc	1.4
England, E.							Paignton	0.19	45	38	op	bc. op	1.9
(Lowestoft		49	38	c. o. c	c. bc	3.0	Falmouth	0.35	46	39	cp. hq	cp. hq	1.3
(Felixstowe	0.06	44	39	bcq	bc. op	4.5	Bude	0.16	48	42	osp. bc	b. ch. p	1.5
(Walton-on-Naze	0.06	43	38	bc	ch. bc. c	3.7	Ilfracombe	0.23	48	42	cp. hq	c	1.5
(Southend-on-Sea	0.10	45	40	bc. b	bc	4.6	Weston-super-Mare	0.42	48	39	bc. b	b. d. c	3.3

LONDON OBSERVATIONS.

Additional Observations for Yesterday.

STATIONS.	HUMIDITY.		Sun- shine for Yester- day.	TEMPERATURE.				Rain- fall.	WEATHER.			Sun- shine for Yester- day.
	3 p.m. Yester- day.	9 a.m. To- day.		In Screen.		Min. on Grass.	Fore- noon.		After- noon.	Night.		
				Max.	Min.							
				24 HOURS ENDED 9 A.M. TO-DAY.								
	%	%	Hr.	F.	F.	F.	In.					
Greenwich (Royal Obs.) ...	63	77	3.3	45	35	27	0.04	b. bc.	c. op.	cpq.		
City (Bunhill Row) ...	*	*	1.5	*	*	*	*	*	*	*		
Westminster (St. James's Pk.)	74	87	2.4	46	37	32	0.05	bc.	bc. r.	d. bc.		
Camden Sq. (Brit. Rainfall)	67	83	2.6	45	36	31	0.04	b. bc.	bc. o.	*		
Hampstead (Reservoir) ...	*	*										
Richmond Park ...	*	*	3.5									
Kew. (See front page)				VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.								
				Total.		Average Rate.		Max. Rate.				
S. Kensington (Roof of M.O.)	69	85	2.5	258 Joules.		8.9 Milliwaits.		2.0 Milliwaits.				
Dublin to 4 p.m.	0.39	42	34	32	hrshq.	hspq.	cp.				2.5	
Plymouth to 9 p.m.	0.09	51	38	35	ber.	org.	c. b.				0.5	
Darwen "	0.72	49	32	30	orsh.	orshq.	qorshl.				0.3	
Manchester "	0.65	52	34	*	orgs.	rhq.	bchq.				1.0	
Birmingham "	0.29	49	33	30	s.	ors.	ors.					
Oxford to 8 p.m.	*	52	36	34	odq. or	org. cq.	cq. opq.					
S. Kensington (Museum Grounds to 6 p.m.)	0.07	53	38	32	or. c.	bc. cq.	org. od.					

NOTES ON YESTERDAY'S WEATHER.

Temperature remained below 45° over a great part of the British Isles, below 40° at some northern stations. Frost occurred in the night in the north. Wick reporting a shade minimum of 26°. All districts had cold rain, hail or snow showers, but only Malin Head registered as much as 2 in. The duration of bright sunshine ranged up to 4½ hr. at Denby, Littlehampton and Southend. A W. to N.W. gale to strong or whole gale blew on many coasts, with gusts of 68 mph at Southport, and of 75 mph at Holyhead. As far west as the 35th meridian ships experienced NW to SW strong winds and gales, with fine to dull weather and some rain.

NOTE.—The information relating to weather is indicated by the following letters:—b. blue sky; bc. sky half clouded; c. sky three parts clouded; d. drizzling rain; e. wet air, without rain falling; f. fog; g. gloom; h. hail; i. lightning; m. mist; o. overcast sky; p. passing showers; q. squalls; r. rain; s. snow; t. thunder; u. ugly, threatening sky; v. visibility, unusual transparency; w. dew; x. hoar frost; z. dust, haze, or smoke.

The Daily Weather Report is sent free by post to any address in the United Kingdom on payment of £1 per annum, for postage and wrappers.

1913.

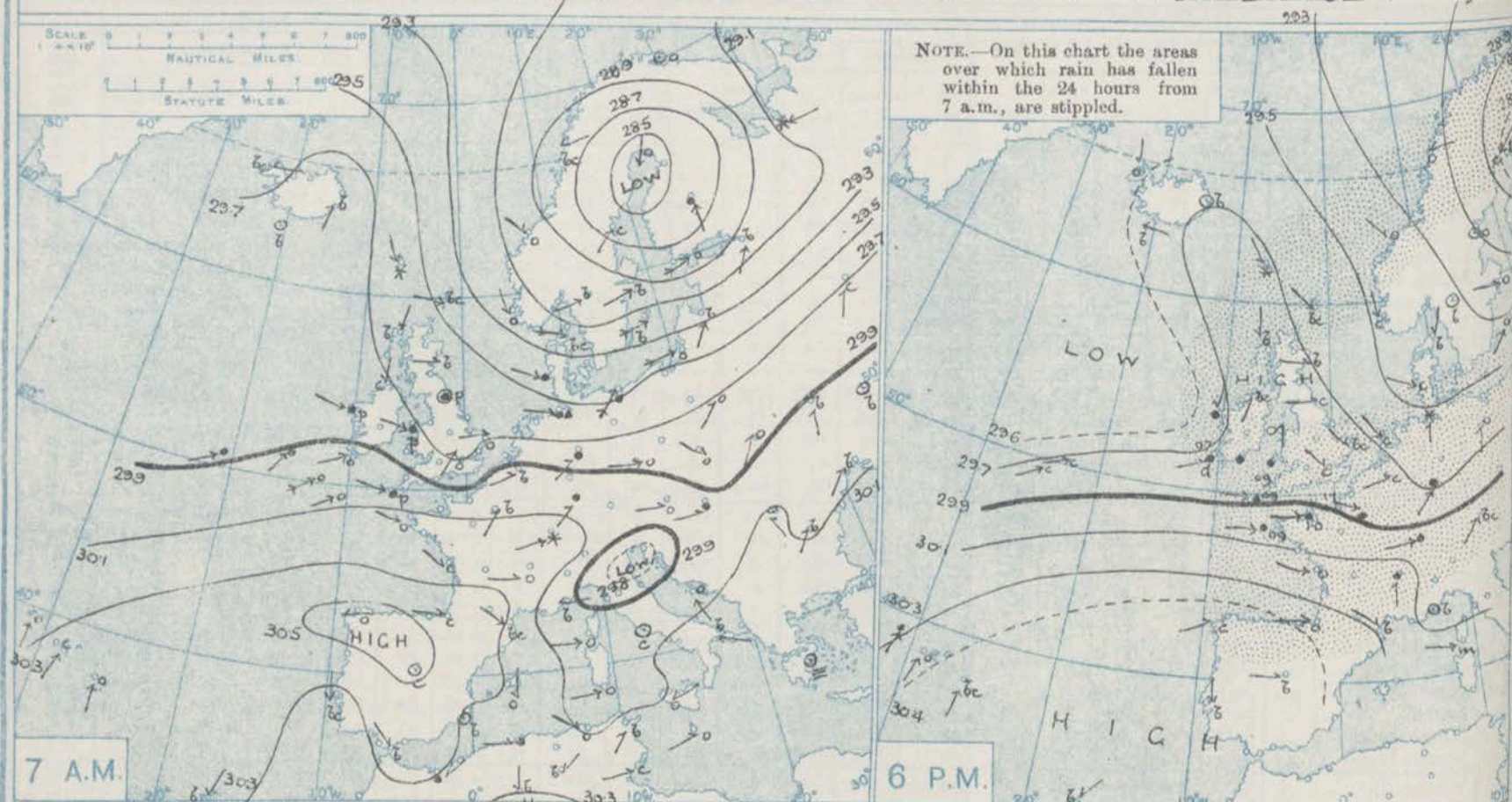
DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

Saturday,

6th December, 1913.

STATIONS.	YESTERDAY EVENING.						THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.						Sun- shine for Yester- day.
	BAROM.		TEMP.		WIND.	Force (0 to 12).	Weather.	BAROMETER.		TEMP.		WIND.	Force (0 to 12).	Weather.	Sea (0 to 9).	Rain fall.	TEMP.		WEATHER.				
	At 32° F. and M.S.L. Lat. 45°	Dry Bulb.	Force (0 to 12).	At 32° F. and M.S.L. Lat. 45°				Change since 4 a.m.	Dry Bulb.	Change since Yester- day.	Dir.						Max.	Min.	Morning. 7 a.m. to 1 p.m.	Afternoon 1 p.m. to 6 p.m.	Night. 6 p.m. to 7 a.m.		
BRITISH ISLANDS.																							
Lerwick	29.61	34	NW	4	bc	29.70	+0.3	34	-1	NW	3	bc	3	0.03	35	30	b.ps.	b.ps.	b.ps.	b.ps.	2.1		
Stornoway	29.78	28	N	1	bc	29.74	-0.2	33	+1	NE	3	b	3	0.06	33	23	b.b.ps.	b.b.ps.	b	b	0.1		
Castlebay (Barra Isd.)	29.73	35	-	0	c	29.62	-0.2	39	+2	E	3	o	4	0.01	40	34	chp.c	chp.r.h	c.o	c.o	0.6		
Glasgow	29.77	33	W	1	bz	29.74	0.0	24	-9	ENE	1	b	8	-	27	23	b.bcz	bc.c.bc	bz.b	bz.b	*		
Malin Head... ..	29.75	39	SW	2	bc	29.55	-0.3	40	+2	SSE	3	o	2	0.01	43	37	bcv	bc	omd	omd	*		
Blacksod Point ...	29.67	46	NNE	1	omr	29.47	-0.1	50	+4	SW	2	omr	2	0.15	50	44	cmr	cmr	omr	omr	0.0		
Valencia	29.71	52	WSW	2	omd	29.63	+0.2	52	+2	W	5	ag	5	0.67	53	48	omr	omr	omr	omr	0.0		
ICELAND, FAEROE, &c.																							
Roche's Point	29.75	50	WSW	2	r	29.59	*	52	+6	W	3	o	3	0.36	52	46	c.om	mr	d.ro	d.ro	0.0		
Birr Castle	29.74	46	SSE	1	o	29.52	*	48	+4	-	0	o	8	0.19	48	44	cd	od	od	od	0.0		
Donaghadee	29.78	37	WSW	2	cm	29.64	-0.1	44	+4	SSE	4	om	4	0.02	44	35	b.ec	cm.	bc.om	bc.om	*		
Liverpool Obsy. ...	29.80	39	WSW	2	o	29.67	-0.2	36	-7	ESE	3	om	3	0.02	44	25	gd.c	cp	o	o	2.8		
Holyhead	29.82	43	S	1	ogm	29.62	-0.1	45	-2	E	2	o	2	Trace	47	41	cg.o.bc	bc.c.om	oern	oern	0.6		
Pembroke (St. Ann's Hd.)	29.81	47	N	1	p	29.57	-0.1	47	-3	E	1	omr	2	0.34	52	47	cg	c	or	or	0.0		
Newquay	29.87	50	W	5	or	29.59	0.0	52	+3	W	4	ef	4	0.90	53	48	obx	obx.r	or.dnf	or.dnf	0.0		
SCANDINAVIA.																							
Scilly (St. Mary's) ...	29.88	51	W	5	omr	29.63	+0.2	52	+3	NW	8	cmr.p	7	0.92	54	49	cpq	cmr.p	cmr.p	cmr.p	0.0		
Jersey (St. Aubin) ...	29.96	52	W	5	ogp	29.60	*	54	+6	WSW	3	ogm	3	1.02	54	47	ogp	c-ogp	g.p.omr	g.p.omr	0.1		
Portland Bill	29.86	49	WNW	3	c	29.57	-0.4	47	-3	NNE	3	or	4	0.19	52	47	cp	cp	c.or	c.or	*		
Dungeness	29.85	38	N	1	c	29.67	-0.3	45	0	ESE	3	ou	3	0.04	51	37	cg	cg.bc	bc.op	bc.op	*		
Dover	29.83	35	WNW	3	bcx	29.68	*	43	0	ENE	3	c	3	0.04	47	34	odp.o	op.r	c	c	2.2		
GERMANY, &c.																							
Wick	29.71	25	W	3	bc	29.74	0.0	19	-11	W	1	bc	2	0.24	31	19	e.cps	c.b.cps	b.cps	b.cps	*		
Nairn	29.76	29	-	0	bc	29.75	*	17	-12	-	0	b	1	0.21	33	15	ps.bc	bc	bc.b	bc.b	0.3		
Aberdeen	29.74	30	WNW	3	b	29.75	+0.1	24	-4	W	2	bz	2	-	34	24	b.b.c	b	bz	bz	5.4		
Leith	29.74	34	SW	1	b	29.73	0.0	24	-10	-	0	bz	2	-	38	22	bc.bz	bcz	bz	bz	*		
North Shields	29.75	33	W	2	c	29.75	0.0	26	-10	W	1	c	2	-	42	25	b	o.bc	c.c	c.c	4.8		
Spurn Head	29.74	38	W	4	bc	29.71	-0.2	35	0	NW	1	b	4	0.08	39	31	cg.p	bc	b	b	3.2		
ICELAND, FAEROE, &c.																							
Yarmouth	29.76	36	NW	3	bc	29.73	0.0	32	-4	WSW	1	bc	1	0.14	42	32	otsq	cp.bc	bc.m	bc.m	1.5		
Clacton-on-Sea	29.80	36	WNW	2	bc	29.70	-0.4	43	+3	E	2	ag	2	0.11	45	34	ogr.c	c.bc	om.og	om.og	3.7		
Nottingham... ..	29.80	36	W	1	c	29.72	*	34	-5	E	2	bm	*	0.07	42	32	racm	cm	cm	cm	1.5		
Bath	29.84	46	W	1	o	29.63	*	43	-4	E	3	r	*	0.07	49	42	o	o	od	od	0.0		
London (Kew Obsy.)...	29.85	40	NNW	1	cmx	29.68	-0.1	41	0	NE	2	om	*	0.01	49	39	ocp.qrs	og.bc.mx	cmx.om	cmx.om	2.4		
ICELAND, FAEROE, &c.																							
Spitzbergen	29.24	15	ENE	2	b	29.44	+0.4	5	-10	-	0	b	*	-	19	3	*	*	*	*	*	*	
Isafjord	29.58	29	N	2	o	29.61	+0.2	31	+3	E	3	o	*	-	*	*	*	*	*	*	*	*	
Reykjavik	29.61	35	E	2	c	29.55	+0.1	34	+11	E	3	o	*	-	*	*	*	*	*	*	*	*	
Vestmanna	29.65	31	ESE	6	b	29.56	-0.1	37	+8	E	8	o	1	-	*	*	*	*	*	*	*	*	
Seydisfjord	29.69	15	-	0	b	29.63	+0.1	33	+16	SW	2	c	*	-	*	*	*	*	*	*	*	*	
Thorshavn	29.74	28	NNW	3	s	29.77	+0.1	19	-8	-	0	bc	*	-	*	*	*	*	*	*	*	*	
SCANDINAVIA.																							
Haparanda	29.79	18	NE	4	c	29.12	+0.7	22	-3	NNW	4	o	*	0.24	25	16	*	*	*	*	*	*	
Hernösand	29.10	28	-	0	o	29.33	+0.8	22	-6	-	0	b	*	-	34	21	*	*	*	*	*	*	
Stockholm	29.24	32	W	4	o	29.41	+0.5	28	-8	W	2	b	*	-	37	27	*	*	*	*	*	*	
Wisby	29.32	40	SW	6	c	29.45	+0.4	37	-4	NNW	2	b	*	-	43	36	*	*	*	*	*	*	
Karlstad	29.34	29	-	0	b	29.50	+0.4	25	-10	NW	2	b	*	-	36	25	*	*	*	*	*	*	
GERMANY, &c.																							
Vardö	29.90	31	-	0	s	29.13	+0.5	31	+8	NNW	2	s	3	?	31	14	*	*	*	*	*	*	
Bodö	29.28	27	E	1	o	29.28	+0.5	29	+2	E	2	c	1	?	29	23	*	*	*	*	*	*	
Christiansund	29.38	38	NW	2	o	29.52	+0.3	36	-1	W	2	c	5	0.35	38	32	*	*	*	*	*	*	
Skudesnaes	29.50	38	NNW	4	c	29.58	+0.1	32	-6	-	0	e	2	-	38	32	*	*	*	*	*	*	
Færder (X'ania Fjord) ...	29.32	38	N	2	b	29.53	+0.4	34	-7	NNW	2	b	2	-	41	34	*	*	*	*	*	*	
The Scaw (Skagen)... ..	29.37	40	NNE	1	b	29.52	+0.2	39	0	E	1	b	0	-	43	37	*	*	*	*	*	*	
Blaavands Huk	29.45	39	WNW	4	c	29.55	+0.5	37	-4	NW	1	s	2	0.39	41	34	*	*	*	*	*	*	
GERMANY, &c.																							
Cuxhaven	29.54	34	S	1	s	29.58	0.0	40	0	N	3	o	0	0.47	41	34	*	*	*	*	*	*	
Berlin	29.65	37	S	3	o	29.58	+0.3	34	-5	W	4	o	*	0.20	45	34	*	*	*	*	*	*	
Frankfurt	29.69	37	SW	7	p	29.80	-0.1	33	-6	SW	2	m	*	0.24	43	33	*	*	*	*	*	*	
Munich	29.95	34	SW	4	bc	29.84	-0.2	35	-1	W	5	o	*	Trace	39	34	*	*	*	*	*	*	
The Helder	29.65	43	NW	5	c	29.71	+0.1	39	-5	NNE	1	b	2	0.43	45	34	*	*	*	*	*	*	
Brussels	29.81	36	WSW	1	c	29.74	-0.6	36	+1	ESE	1	o	*	0.35	42	35	*	*	*	*	*	*	
FRANCE.																							
C. Gris Nez... ..	29.84	42	WNW	5	bc	29.67	-0.5	41	-5	E	3	o	3	0.20	52	39	*	*	*	*	*	*	
La Hève	29.98	46	WNW	6	o	29.62	*	50	+7	W	4	p	5	1.14	50	43	*	*	*	*	*	*	
Ushant... ..	29.95	54	WNW	6	p	29.72	*	54	+2	NW	8	o	7	0.91	54	43	*	*	*	*	*	*	
Brest (St. Mathieu) ...	30.04	49	WSW	7	p	29.73	+0.1	54	+4	NW	7	o	7	0.39	54	49	*	*	*	*	*	*	
Lorient (Bec Melen)... ..	?	52	WNW	6	o	?	*	46	-4	WNW	6	p	7	0.32	57	43	*	*	*	*	*	*	
Rochefort (Ile d' Aix) ...	30.18	52	WNW	7	o	29.87	-0.9	55	+6	W	8	p	*	0.38	55	48	*	*	*	*	*	*	
Biarritz	30.37	53	W	5	o	30.16	-0.6	51	0	SSW	4	o	5	0.39	54	45	*	*	*	*	*	*	
SPAIN, PORTUGAL, &c.																							
Corunna (8 a.m.)	30.47	55	WSW	3	c	30.28	-0.1	54	+14	SSW	3	p	4	0.08	55	40	*	*	*	*	*	*	
Lisbon (9 a.m.)	30.48	50	N	4	b	30.53	+0.2	46	-1	-	0	o	5	-	54	45	*	*	*	*	*	*	
Gibraltar							*										*	*	*	*	*	*	
A																							

BAROMETER, WIND AND WEATHER FOR 7 A.M. AND 6 P.M. 5TH DECEMBER.



7 A.M.

6 P.M.

GENERAL INFERENCE WEATHER PROSPECTS.

The changes of pressure are very irregular; a very changeable condition generally. and it seems probable that the weather will remain in

FORECASTS FOR THE 24 HOURS NOON SATURDAY

TO NOON SUNDAY.

- 0 {
a
b
- Calms and light variable breezes, becoming South-Easterly and freshening
- 1 {
a
b
- Somewhat, fine and very cold at first, some rain or snow later, with rising temperature.
- 2 {
a
b
- Light variable Easterly breezes, probably shifting Westerly later;
- 3 {
a
b
- dull to fair, some rain or sleet; moderate temperature.
- 4 {
a
b
- 5

FORECAST DISTRICTS.



STORM WARNINGS.

The Coasts upon which the Warning Signals are at present displayed are indicated thus:—

Signals hoisted yesterday.	Signals hoisted this morning.
South Cone.	South Cone.
North Cone.	North Cone.

SOUTH CONE HOISTED

in Districts 2, 3, 5, 7, 8, 10 and 11 at 8.20 a.m. yday.

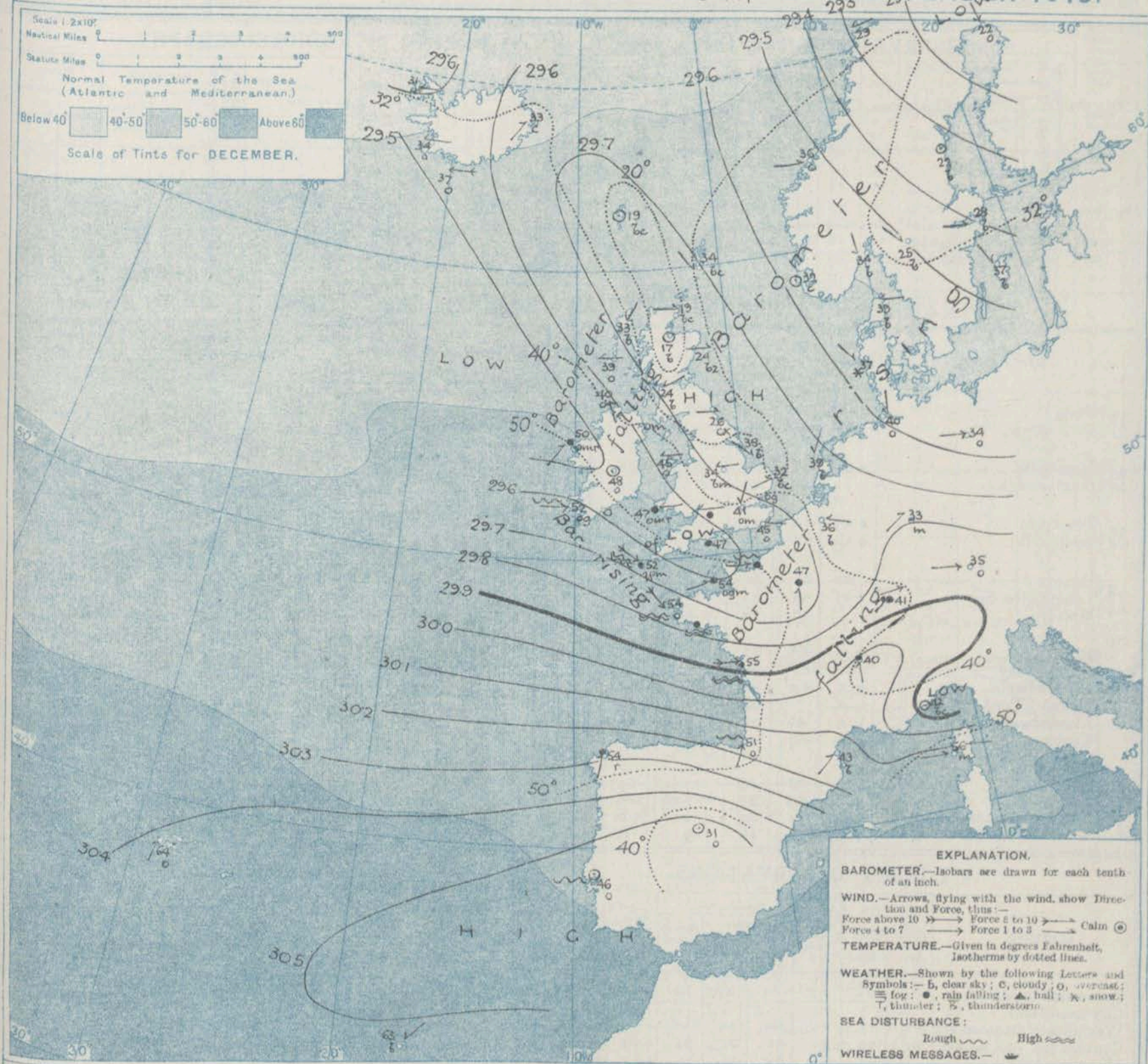
- 6 {
a
b
- Same as Nos. 0 to 2.
- 7 {
a
b
- Light to moderate Easterly and South-Easterly breezes, fair to dull, some rain or snow; cold.
- 8 {
a
b
- North-Westerly to Westerly winds, fresh to strong or high locally; unsettled. Some rain or sleet, mist or fog in places; mild.
- 9 {
a
b
- South-Easterly and South-Westerly breezes, light to moderate, dull, some mist and rain; moderate temperature.
- 10 {
a
b
- Westerly and North-Westerly winds, fresh or strong at times locally; some rain; mild.

11 WESTERN CHANNEL AND BAY.

North-Westerly and Westerly winds, strong to a gale, moderating later; rough sea; squally, unsettled, some rain, mist or fog; mild.

THE FURTHER OUTLOOK.

SYNOPTIC CHART FOR 7 A.M. SATURDAY, 6TH DECEMBER 1913.



NOTES ON THE GENERAL SITUATION AT 7 A.M.

An anticyclone extends from the western Mediterranean out to the Atlantic, the barometer being above 30.4 in. at the Azores. In a depression over Northern Europe pressure is at 29.1 in. in Lapland; it is below 29.5 in. in another depression to the north westward of Iceland. There is a considerable gradient across the Bay and France, elsewhere it is very slight.

Calm and light variable breezes prevail extensively, but over the Bay region strong winds and gales from between North West and South West are reported. Off the south coast of Iceland there is an easterly gale. Over the British Isles temperature ranges

from 17° at Mann to 55° at Jersey; on the Continent from 22° at Haparanda and Hemö and to 55° at Rochefort; and in Iceland from 30° to 37°. At Spitzbergen the reading is 5°. Fair to fine, clear weather prevails over Scotland, Eastern England and Scandinavia, very unsettled over our south western districts and France, with rain in many places, fog locally. A high sea is running on the Bay and across the mouth of the Channel.

DAILY WEATHER REPORT.

Saturday, 6th December, 1913.

OBSERVATIONS from the ATLANTIC OCEAN received by RADIOTELEGRAPHY.

DATE AND HOUR.	POSITION.		NAME OF SHIP.	Outward. H = Homeward.	BAROMETER.		WIND.		WEATHER.	DATE AND HOUR.	POSITION.		NAME OF SHIP.	Outward. H = Homeward.	BAROMETER.		WIND.		WEATHER.
	Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.			Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.	
5th. 7 p.m.	49° 46'	25° 20'	H.M.S.	H	29.74	+0.07	Dr. by W.	6	c										
			Dry Bulb 55°																
			Wet Bulb 54°																
			Sea Temperature 54°																
6 p.m.	50	23	Olympic	O	29.72	+0.04	W.S.W.	6-7	o										
7 a.m.	50	20	Arctic	O	29.89	-0.05	W.S.W.	6-7	r										

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

STATIONS.	Rainfall.	TEMPERATURE.		WEATHER.		Sunshine to 6 p.m.	STATIONS.	Rainfall.	TEMPERATURE.		WEATHER.		Sunshine to 6 p.m.
		Max.	Min.	Forenoon.	Afternoon.				Max.	Min.	Forenoon.	Afternoon.	
Scot. land. (Oban ...)	In. 0.10	F. 39	F. 31	b.c.s.	c.b.c.	0.5	Margate ...	In. 0.19	F. 47	F. 34	o.r.	b.c.	2.0
(St. Andrews ...)	"	37	27	"	"	5.5	Ramsgate ...	" 0.05	46	33	"	"	2.0
Eng. N.E. (Harrogate ...)	0.30	34	31	c.b.c.b.	b.b.c.	3.3	Folkestone ...	" 0.01	48	34	o.z.c.o.	m.o.	1.5
(Scarborough ...)	"	39	32	o.c.	o.c.	1.9	Hythe ...	"	"	"	"	"	1.2
Eng. N.W. (Blackpool ...)	0.27	46	36	b.c.c.	cp.	5.0	Littlestone ...	"	"	"	"	"	1.8
(Southport ...)	0.23	42	37	b.b.c.c.	c.o.r.	4.0	Hastings ...	" 0.01	49	34	o.d.c.	b.b.c.	2.3
Mid-lands. (Buxton ...)	0.58	37	31	b.c.s.r.	b.c.	3.2	Bexhill-on-Sea ...	"	49	36	o.g.c.	c.o.	1.1
(Leamington Spa ...)	0.31	45	33	b.c.	c.b.o.	2.2	Eastbourne ...	" 0.01	50	39	b.c.	b.c.o.	0.2
(Malvern ...)	"	48	36	c.b.c.	b.c.	3.1	Seaford ...	"	54	40	o.	c.	0.4
Wales. (Rhyl ...)	0.13	44	37	b.	b.c.	1.5	Brighton ...	"	50	38	o.c.	b.c.o.	0.3
(Colwyn Bay ...)	0.21	46	38	c.b.c.b.	b.c.	1.5	Worthing ...	"	50	35	o.b.c.	b.c.	0.5
(Llandudno ...)	0.18	45	40	o.	b.c.	1.8	Littlehampton ...	"	"	"	"	"	1.0
(Bettws-y-Coed ...)	0.06	"	29	"	"	0.0	Southsea ...	"	50	39	b.b.c.c.	c.o.	0.5
(Aberystwyth ...)	0.11	46	39	p.o.r.	o.c.o.	0.0	Ryde ...	" 0.04	51	47	"	"	0.0
(Tenby ...)	0.15	49	39	o.	o.d.	0.0	Ventnor ...	" 0.02	"	39	"	"	0.0
England, E. (Lowestoft ...)	0.16	43	33	o.r.c.b.c.	b.c.b.	2.0	Bournemouth ...	"	49	36	o.	o.	0.0
(Felixstowe ...)	0.22	45	35	o.r.e.g.	b.c.g.u.b.	2.7	Weymouth ...	" 0.02	50	38	o.	c.	0.0
(Walton-on-Naze ...)	0.31	45	35	o.r.b.c.	b.c.b.m.	3.5	Exmouth ...	" 0.06	54	38	p.g.c.	o.	0.0
(Southend-on-Sea ...)	0.09	47	36	o.p.	b.c.	3.3	Teignmouth ...	" 0.15	50	39	c.g.p.	c.g.p.	0.0
							Torquay ...	" 0.12	51	38	o.	c.o.	0.2
							Paignton ...	" 0.16	53	37	o.r.	b.c.	0.4
							Falmouth ...	" 0.46	51	40	o.p.	o.r.	0.0
							Bude ...	" 0.27	53	48	o.g.p.	o.g.p.	0.0
							Ilfracombe ...	" 0.26	52	44	o.g.p.	o.p.	0.0
							Weston-super-Mare ...	"	"	"	"	"	0.0

LONDON OBSERVATIONS.

Additional Observations for Yesterday.

STATIONS.	HUMIDITY.		Sun- shine for Yester- day.	TEMPERATURE.			Rain- fall.	WEATHER.			STATIONS.	RAIN- FALL.	TEMPERATURE.			WEATHER.			Sun- shine for Yester- day.	
	3 p.m. Yester- day.	9 a.m. To- day.		In Screen.		Min. on Grass.		Fore- noon.	After- noon.	Night.			In Screen.	Night Min. on Grass.	Night.	Fore- noon.	After- noon.			
				Max.	Min.													Max.		Min.
24 HOURS ENDED 9 A.M. TO-DAY.																				
Greenwich (Royal Obsy.) ...	%	%	Hr.	F.	F.	F.	In.	c.s.p.	o.p.o	om.o	Dublin to 4 p.m.	In.	F.*	F.*	F.*	o.r.c	c.b	c.o	Hr.	
City (Bunhill Row) ...	79	86	1.2	48	37	28	0.07				0.08	43	37	35						
Westminster (St. James's Pk.)	"	"	1.2	"	"	"	"	"	"	"										
Camden Sq. (Brit. Rainfall)	83	87	1.1	49	39	34	0.05	b.c.h	b.b.c	m	0.61	40	32	30	c.o.r.s.k	c.o.p.h	b.c.o.s	2.8		
Hampstead (Reservoir) ...	82	83	2.1	48	38	32	0.05	o.d.r.b.c	b.c.p	*	0.24	43	36	*	o.p.c	b.c	b.c.o.r	0.3		
Richmond Park	"	80	2.3	46	36	28	0.03	b.c.r	b.c.x	o										
Kew. (See front page.)	"	"	2.1	VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.																
S. Kensington (Roof of M.O.)	78	83	1.0	Total.		Average Rate.		Max. Rate.			S. Kensington (Museum Grounds to 6 p.m.)									
				163 Joules.		5.6 Milliwatts.		23 Milliwatts.			0.15 48 36 28 b.c.b.o o.r.g. b.c.m.o.m *									

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM TO-DAY AND TO-MORROW

6th & 7th December 1913.	Sunrise.	Noon.	Sunset.
Yarmouth ...	G.M.T. 7.49 7.51	G.M.T. 11.44 11.45	G.M.T. 3.29 3.39
Greenwich ...	7.51 7.53	11.51 11.52	3.51 3.51
Wick ...	8.47 8.49	12.3 12.4	3.20 3.19
Valencia ...	8.35 8.37	12.32 12.33	4.29 4.29

Temperature rose to between 50° and 54° in our southern and south-western districts, but remained below 35° in northern Scotland, and did not pass 31° at Wick. There was a very severe frost in the north at night, temperature sinking to 15° at Slains, and below 25° in several localities. Rain, hail or snow fell in many localities, nearly an inch at Scilly and Newquay. Aberdeen and St. Andrews had 5.2 hours of bright sunshine and Blackpool 5 hr. but generally the records were much smaller none at many stations. As far west as the 27th meridian ships experienced S.W. to W. wind strong to a gale with dull weather and some rain.

NOTE.—The information relating to weather is indicated by the following letters—b. blue sky; bc. sky half clouded; c. sky three parts clouded; d. drizzling rain; e. wet air, without rain falling; f. fog; g. gloom; h. hail; i. lightning; m. mist; o. overcast sky; p. passing showers; q. squalls; r. rain; s. snow; t. thunder; u. ugly, threatening sky; v. visibility, unusual transparency; w. dew; x. hoar frost; z. dust-haze, or smoke.

The Daily Weather Report is sent free by post to any address in the United Kingdom on payment of £1 per annum, for postage and wrappers.

1913.

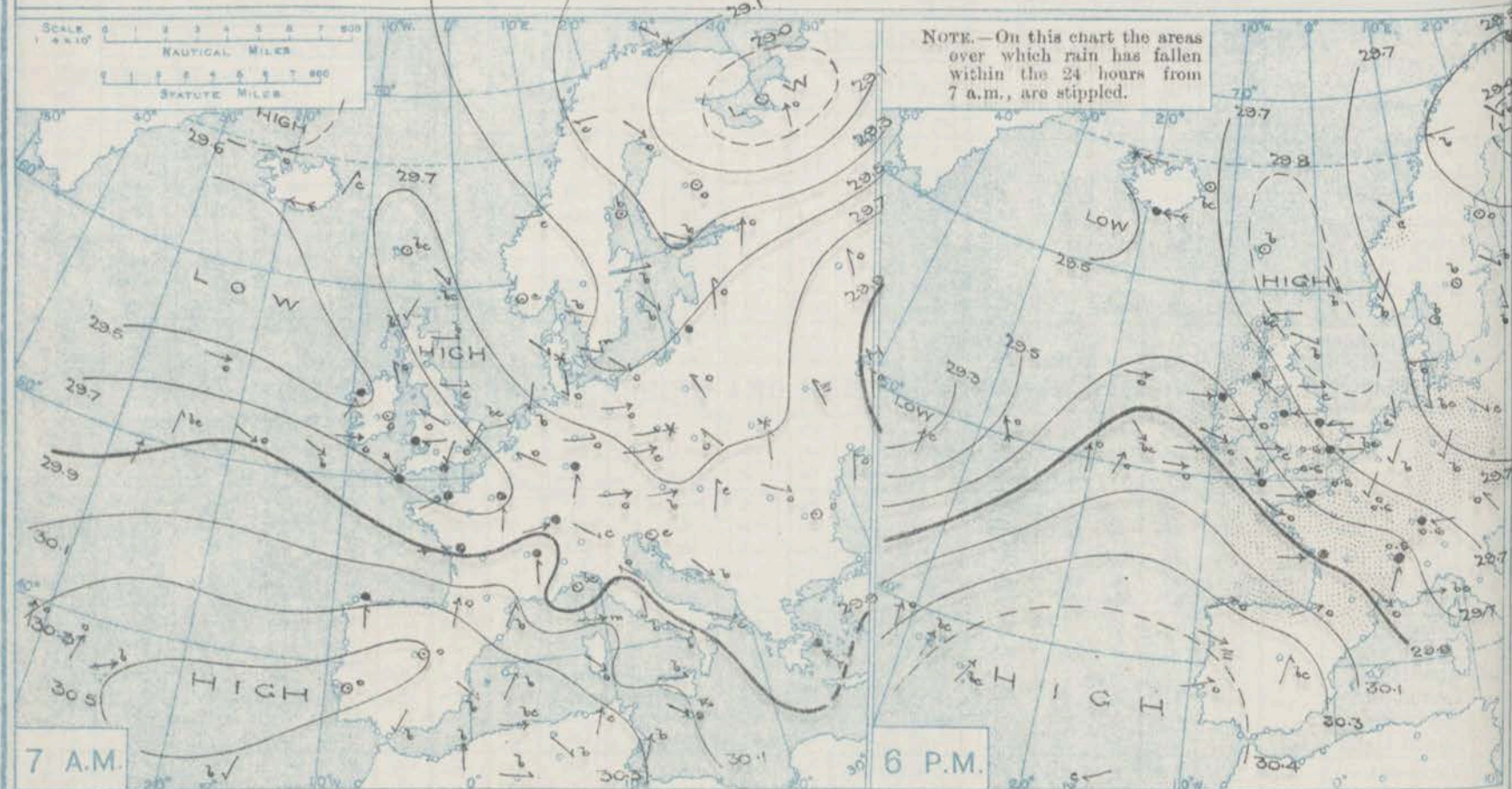
DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

Sunday.

7th December, 1913.

STATIONS.		YESTERDAY EVENING.					THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.					Sun- shine for Yester- day.
		BAROM.		TEMP.		WIND.	Weather.	BAROMETER.		TEMP.		WIND.	Weather.	Sea (0 to 9).	Rain fall.	TEMP.		WEATHER.				
		At 32° F. and M.S.L. Lat. 46°.	Dry Bulb.	Dir.	Force (0 to 12).			At 32° F. and M.S.L. Lat. 45°.	Change since 4 a.m.	Dry Bulb.	Change since Yester- day.					Dir.	Force (0 to 12).	Max.	Min.	Morning. 7 a.m. to 1 p.m.	Afternoon 1 p.m. to 6 p.m.		Night. 6 p.m. to 7 a.m.
BRITISH ISLANDS.	Lerwick	In.	F.				In.	In.	F.					In.	F.	F.	bc	bc	b	Hours.		
	Stornoway	29.82	36	NNW	2	b	29.97	+0.3	34	0	-	0	b	1	36	31	bc	bc	c. opq	2.6		
	Castlebay (Barra Isd.)	29.80	34	E	2	bc	29.86	+0.1	41	+8	E	4	aq	3	41	33	bc	bc	c. opq	0.0		
	Glasgow	29.69	41	E	5	c	29.83	0.0	44	+5	SE	5	odp	6	44	39	e	o. c.	c. odp	0.0		
	Malin Head... ..	29.79	30	ENE	2	o	29.99	+0.7	32	+8	ENE	1	o	*	32	23	bc. oz	o	c. bc. o.	0.0		
	Blacksod Point ...	29.64	41	SE	4	r	29.84	+0.6	47	+7	W	3	r	2	47	39	om	omr	omr	*		
	Valencia	29.70	50	W	4	omp	29.87	+0.2	48	-2	WSW	3	om	3	51	46	omr	omr	omr	*		
	Roche's Point ...	29.85	52	WNW	4	omp	30.00	+0.2	49	-3	W	2	om	4	53	48	omr	omr	omd	0.1		
	Birr Castle	29.74	51	NNW	5	bc	30.00	*	48	-4	NW	1	o	2	53	47	c. c. o.	c. o. bc.	cp. o.	*		
	Donaghadee	29.70	49	W	2	o	29.96	*	47	-1	W	1	r	*	51	44	or	or	or	0.0		
	Liverpool Obsy.	29.69	43	SE	4	om	29.92	+0.5	43	-1	SSE	1	ogm	2	44	42	omr	omr	op. omr	*		
	Holyhead	29.70	37	ESE	4	r	29.95	+0.5	37	+1	SSW	4	odm	3	39	36	odm	or	om.	0.0		
	Pembroke (St. Ann's Hd.)	29.64	45	E	4	omr	29.95	+0.7	46	+1	-	0	om	0	46	42	omr	omr	bc. r. df	0.0		
	Newquay	29.64	51	W	5	c	29.94	+0.6	49	+2	WNW	3	cg	4	53	47	omr	ogm	cg. q.	0.0		
	Scilly (St. Mary's) ...	29.68	52	NW	6	omp	29.99	+0.8	50	-2	NW	3	o	4	52	49	op. om	om	cg. c.	0.0		
ICELAND, FAEROE, &c.	Jersey (St. Aubin) ...	29.73	51	NW	6	cg. b	30.01	+0.4	50	-2	NW	5	c	5	49	49	cg. b	cg. b	cg. q.	0.2		
	Portland Bill	29.69	53	W	5	omd	29.97	*	50	-4	W. W	3	omp	3	55	49	omr	omd	comp	0.0		
	Dungeness	29.62	52	WNW	3	o	29.99	+0.9	44	-3	NE	1	od	4	43	43	od	od	od	*		
	Dover	29.67	45	E	3	og	29.98	+0.5	35	-10	NE	2	bex	3	45	33	c. o	o	o. bex	*		
	Wick	29.71	43	ESE	4	cg	30.00	*	36	-7	NW	2	c	2	43	35	cg	cg	c. o. x. c.	0.0		
	Nairn	29.83	25	W	3	bc	29.96	+0.4	40	+21	SSE	5	bc	4	41	18	bc	bc	bc. bc.	*		
	Aberdeen	29.82	19	-	0	bc	29.96	*	32	+15	-	0	au	1	32	15	bc	bc	bc	0.5		
	Leith	29.84	25	WNW	2	b	30.03	+0.5	23	-1	WNW	3	o	2	29	21	b. bc	b. bc	b. o.	0.6		
	North Shields	29.81	29	-	0	b	29.98	+0.6	32	+8	-	0	o	*	33	22	b. bc	b. bc	b. o.	*		
	Spurn Head	29.78	34	W	2	cg	30.02	+0.6	28	+2	WSW	1	ox	2	35	25	c	c	cg. x.	1.4		
	Yarmouth	29.75	40	SSE	2	c	29.97	+0.6	36	+1	NW	2	bc	4	41	33	c	c	bc	2.8		
	Clacton-on-Sea	29.75	40	E	2	bc	29.97	+0.3	34	+2	NW	2	bc	2	41	30	bc	bc	bc. m.	4.7		
	Nottingham... ..	29.70	45	ESE	2	og	29.99	+0.8	38	-5	NW	2	c	2	45	38	og	og	og. c.	0.0		
	Bath	29.75	36	E	2	r	30.02	*	36	+2	E	1	o	*	37	32	bc. om	om. d	od	0.0		
	London (Kew Obsy.) ...	29.65	43	E	1	r	30.01	*	40	-3	E	1	o	*	50	39	d. r	r	og. d	0.0		
SCANDINAVIA.	Spitzbergen	29.70	42	E	2	omr	30.02	+0.8	38	-3	-	0	om	*	44	37	om	om. omr	omr. om	0.0		
	Isafjord	29.54	34	E	4	s	29.26	-0.6	40	+9	S	2	c	*	*	*	*	*	*			
	Reykjavik	29.51	36	ESE	7	o	29.22	-1.3	41	+7	E	3	o	*	*	*	*	*	*			
	Vestmanna	29.55	36	E	9	r	29.28	-1.3	41	+4	E	6	o	2	*	*	*	*	*			
	Seydisfjord	29.69	29	-	0	bc	29.47	-0.5	34	+1	-	0	b	*	*	*	*	*	*			
	Thorshavn	29.84	22	-	0	b	29.83	-0.3	39	+20	S	3	o	*	*	*	*	*	*			
	Haparanda	29.38	19	NNW	2	b	29.64	+0.7	8	-14	N	2	c	*	-	23	3	*	*			
	Hernösand	29.56	25	-	0	o	29.72	+0.8	23	+1	-	0	c	*	-	27	19	*	*			
	Stockholm	29.60	27	NW	2	b	29.73	+0.4	21	-7	NW	2	b	*	-	50	21	*	*			
	Wisby	29.56	36	N	2	b	29.70	+0.6	36	-1	N	2	bc	*	-	37	32	*	*			
	Karlstad	29.65	23	-	0	b	29.83	+0.4	20	-5	-	0	b	*	-	30	18	*	*			
	Vardö	29.49	31	-	0	s	29.57	+0.4	28	-3	NNE	2	s	3	?	32	21	*	*			
	Bodö	29.49	25	E	2	b	29.74	+0.4	20	-9	ENE	2	b	1	-	29	18	*	*			
	Christiansund	29.66	36	NW	2	c	29.82	+0.3	33	-3	NW	3	s	4	0.39	36	32	*	*			
	Skudesnaes	29.71	32	NNE	2	b	29.93	+0.5	29	-3	NE	2	b	2	-	36	28	*	*			
Færder (X'ania Fjord)	29.67	33	N	3	b	29.85	?	28	+6	N	4	b	1	?	36	22	*	*				
The Scaw (Skagen) ...	29.65	38	-	0	b	29.82	+0.5	36	-3	ENE	2	c	0	-	41	34	*	*				
Blaavands Huk	29.67	33	E	1	o	29.82	+0.8	35	-2	NE	1	bc	1	0.20	39	32	*	*				
GERMANY, &c.	Cuxhaven	29.66	39	N	2	bc	29.80	+0.6	36	-4	N	1	bx	0	0.04	41	34	*	*			
	Berlin	29.60	36	NW	3	c	29.79	+0.6	34	0	N	3	o	*	0.08	37	32	*	*			
	Frankfurt	29.77	34	NE	1	b	29.95	+0.8	26	-7	-	0	m	*	-	43	25	*	*			
	Munich	29.78	30	SSE	1	o	29.91	+0.5	28	-7	NE	2	c	*	0.16	35	28	*	*			
	The Helder	29.74	41	NNW	1	c	29.92	+0.4	41	+2	N	2	bc	2	0.08	43	36	*	*			
	Brussels	29.76	33	NE	1	b	29.98	+1.0	25	-11	-	0	f	*	-	44	24	*	*			
	C. Gris Nez	29.70	40	E	4	m	29.99	+0.5	39	-2	SE	3	bc	2	-	43	34	*	*			
	La Hève	29.63	47	E	2	f	30.01	*	39	-11	E	3	m	2	0.63	52	37	*	*			
	Ushant	29.80	53	NW	7	f	30.03	*	53	-1	NW	4	c	5	0.12	54	46	*	*			
	Brest (St. Mathieu) ...	29.85	54	NW	6	o	30.04	+0.5	53	-1	NW	5	o	5	0.12	57	50	*	*			
	Lorient (Bec Melen) ...	29.88	54	W	7	r	30.01	+0.8	54	-1	NW	6	o	*	0.24	59	52	*	*			
	Rochefort (lie d' Aix)	29.87	58	WSW	7	o	30.13	+0.6	56	+5	NW	6	o	7	0.47	58	51	*	*			
	Biarritz	29.67	44	NE	2	r	29.95	+1.0	35	-12	NNE	2	b	*	0.59	50	35	*	*			
	Paris	29.68	36	E	2	r	29.90	*	33	-8	E	4	o	*	0.67	43	33	*	*			
	Belfort	29.73	46	SW	1	r	29.83	*	49	+9	WNW	3	o	*	0.51	52	40	*	*			
FRANCE.	Nice	29.62	46	W	4	bc	29.62	+0.2	47	+5	-	0	o	3	-	61	41	*	*			
	Perpignan	29.90	60	W	4	o	29.94	+0.8	54	+11	NW	4	r	*	0.08	62	43	*	*			
	Sanguinaire	29.90	60	W	4	o	29.94	+0.8	54	+11	NW	4	r	*	0.08	62	43	*	*			
	Corunna (8 a.m.)	30.28	58	WSW	3	o	30.28	+0.4	57	+3	WSW	6	o	4	0							

BAROMETER, WIND AND WEATHER FOR 7 A.M. AND 6 P.M. 6TH DECEMBER.



GENERAL INFERENCE

WEATHER PROSPECTS.

FORECASTS FOR THE 24 HOURS NOON SUNDAY

TO NOON MONDAY.

0 {
a
b

1

2 {
a
b

3

None Issued

4 {
a
b

5

FORECAST DISTRICTS.



STORM WARNINGS.

The Coasts upon which the Warning Signals are at present displayed are indicated thus:—

Signals hoisted yesterday. Signals hoisted this morning.

South Coast. North Coast. South Coast. North Coast.

No Warnings Issued.

6 {
a
b

7 {
a
b

8 {
a
b

9 {
a
b

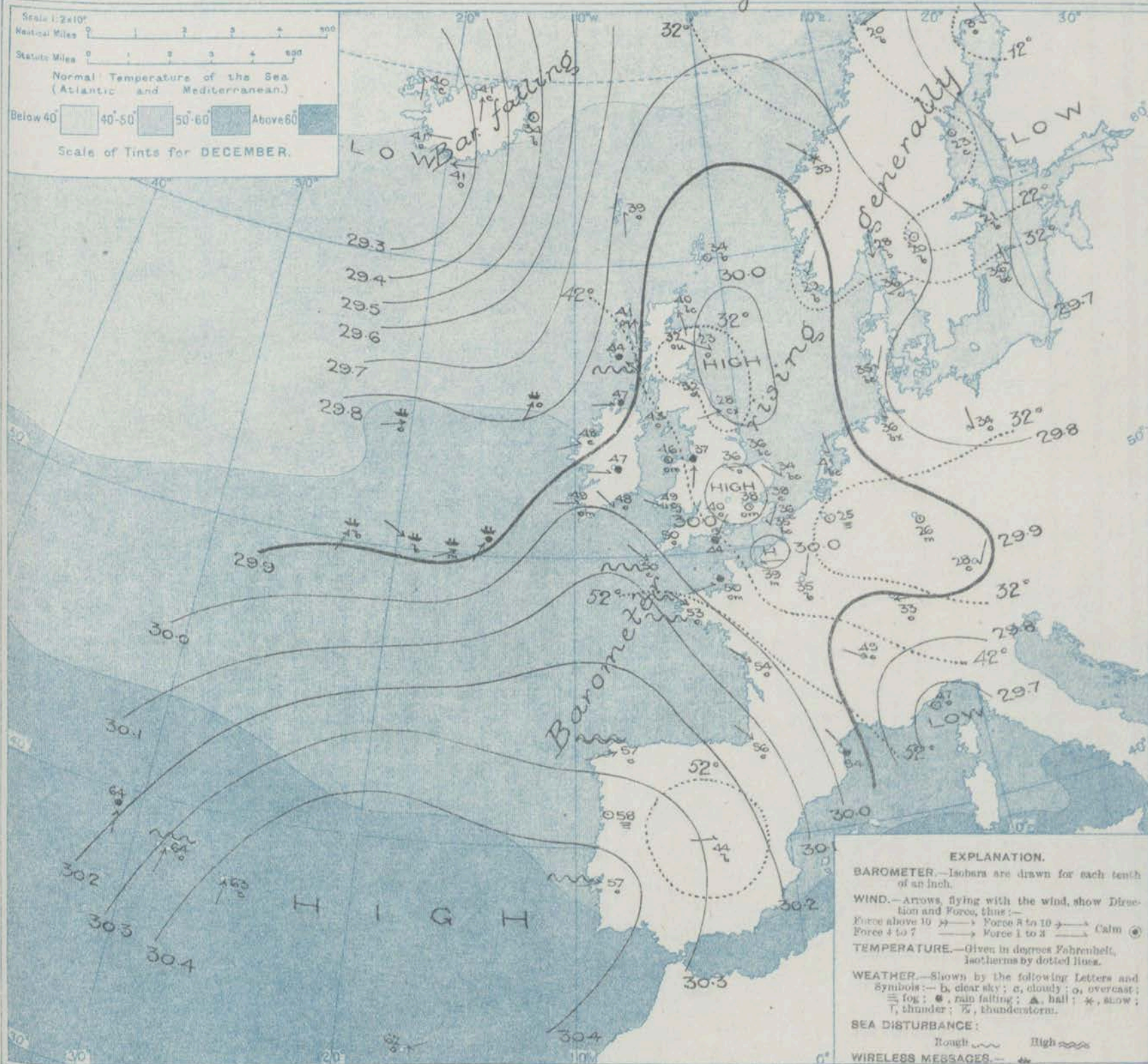
10 {
a
b

None Issued

11 WESTERN CHANNEL AND BAY.

THE FURTHER OUTLOOK.

SYNOPTIC CHART FOR 7 A.M. Sunday, 7th DECEMBER 1913.



NOTES ON THE GENERAL SITUATION AT 7 A.M.

A large anticyclone still lies between Spain and the Azores, and areas of relatively high pressure have been formed over England and the North Sea. A rather deep depression is approaching Iceland from the south-west, and is causing a brisk fall of the barometer in that island. Over western Europe a general rise of the mercury is in progress.

The wind is moderate to fresh from the North-west on our south-west coasts and strong from the same quarter over the Bay of Biscay. On our extreme north and north-west coasts it has shifted to the Southward, while in southern Iceland

a brisk easterly breeze has sprung up. Temperature has risen rapidly in Scotland, but fallen in most other parts of our area of observation. Over the United Kingdom it ranges from 50° or a trifle less on our extreme west and south-west coasts to 30° and less in the north-east of Great Britain, and to 23° at Aberdeen. Sharp frost prevails also in Belgium and south Germany as well as in many parts of Scandinavia. Rain is falling at several of our own western stations as well as in the south of France, but in the east of England, and the western portions of the Continent generally the weather is fair or fine. The sea is rough off the Sth Hebrides, and rather rough at the mouth of the Channel.

Sunday, 7th December, 1913.

DATE AND HOUR.	POSITION.		NAME OF SHIP.	O = Outward. H = Homeward.	BAROMETER.		WIND.		WEATHER.	DATE AND HOUR.	POSITION.		NAME OF SHIP.	O = Outward. H = Homeward.	BAROMETER.		WIND.		WEATHER.
	Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dirac.	Force.			Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dirac.	Force.	
6th 7 p.m.	50° 10'	18° 10'	H.M.S.	H	29.96	+ .03	SW	(0-12)	of	6th 6 p.m.	51	16	Cymric	O	30.01	+ .06	NW	(0-12)	bc
"	"	"	Dry bulb 52°	"	"	"	"	"	"	"	50	14	Minnewaska	O	30.00	+ .02	W	4-5	o
"	6 p.m.	50° 8'	8.54	H	29.79	+ .02	NW	5	b.	"	51	13	Carmania	H	29.97	+ .02	WNW	6-7	o
"	"	"	"	"	"	"	"	"	"	"	51	12	Dominion	O	29.84	+ .12	W	4-5	o
"	6 p.m.	48° 35'	Olympic	O	29.24	- .04	SSW	6-7	c	"	49	28	Arabic	O	29.88	.00	SSW	4-5	bc
"	"	50° 29'	Royal George	O	29.42	- .23	SSE	12	o	"	51	25	Royal George	O	29.80	+ .03	SSW	1-3	bc
"	"	34° 18'	Caledonia	H	29.72	+ .05	W	6-7	o	"	54	22	Caledonia	H	29.53	+ .13	W	6-7	o
"	7 a.m.	31° 13'	Cymric	O	29.76	+ .10	WNW	6-7	b	"	50	19	Carmania	H	29.90	.00	WNW	6-7	o

STATIONS.	Rainfall.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.	STATIONS.	Rainfall.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.
		Max.	Min.	Forenoon.	Afternoon.				Max.	Min.	Forenoon.	Afternoon.	
Scot- land.	In.	F. °	F. °			Hr.		In.	F. °	F. °			Hr.
(Oban)							(Margate)		45	36	o	o	0.0
(St. Andrews)							(Ramsgate)		44	34	*	*	0.0
Eng. N.E.							(Folkestone)	0.01	44	37	o.b.c.c	o.c	0.0
(Harrogate)		29	21	bc	c.o	0.6	(Hythe)						
(Scarborough)		38	32	o	or	0.0	(Littlestone)						0.0
Eng. N.W.							(Hastings)	0.08	46	41	op	od	0.0
(Blackpool)	0.05	40	33	o.or	o	0.0	(Bexhill-on-Sea)	0.08	46	41	o	od	0.0
(Southport)							(Eastbourne)	0.05	48	42	o	oe	0.0
Mid- lands.							(Seaford)						
(Buxton)	0.02	36	30	bcms	ms	0.0	(Brighton)	0.09	47	43	o	or	0.0
(Leamington Spa)	0.08	40	34	o	od	0.0	(Worthing)	0.15	47	42	o	or	0.0
(Malvern)	0.33	41	39	gd	r	0.0	(Littlehampton)	0.23	*	*	*	*	0.0
Wales.							(Southsea)						
(Rhyl)	0.12	44	37	o.r.o	or.	0.0	(Ryde)						
(Colwyn Bay)							(Ventnor)				*	*	
(Llandudno)							(Bournemouth)	0.25	48	44	r.or	r.o	0.0
(Bettws-y-Coed)							(Weymouth)	0.59	49	46	od	r.em	0.0
(Aberystwyth)	0.26	45	42	o.or	r.o.r	0.0	(Exmouth)						
(Tenby)	0.77	50	44	r	r	0.0	(Teignmouth)	0.36	53	47	erm	cp	0.0
England, E.							(Torquay)						
(Lowestoft)							(Paignton)	0.24	55	47	om.o	c	0.0
(Felixstowe)		45	34	om.o	m.o.c	0.2	(Falmouth)	0.69	53	48	omd	cp	0.0
(Walton-on-Naze)		44	35	om.c.bc	c.cu	0.0	(Bude)	0.52	55	51	r.odp	r	0.0
(Southend-on-Sea)		44	37	o	o	0.0	(Ilfracombe)	0.40	53	48	od	d.or	0.0
							(Weston-super-Mare)						

STATIONS.	HUMIDITY.		Sun- shine for Yester- day.	TEMPERATURE.			Rain- fall.	WEATHER.		
	p.m. Yester- day.	a.m. To- day.		In Screen.		Min. on Grass.		Fore- noon.	After- noon.	Night.
				Max.	Min.					
				24 HOURS ENDED 9 A.M. TO-DAY.						
	%	%	Hr.	F.*	F.	F.*	In.			
Greenwich (Royal Obsy.) ...	78	93	0.0	44.4	37	28	0.06	0	0	or.obc.
City (Bunhill Row) ...	"	"	0.0	"	"	"	"	"	"	"
Westminster (St. James's Pk.)	85	89	0.0	45	41	36	0.06	d	0	rm.o
Camden Sq. (Brit. Rainfall)	78	80	0.0	44.4	37	33	0.07	0	or	*
Hampstead (Reservoir) ...	"	73	0.0	44.4	37	25	0.08	0.0r	of	c.o
Richmond Park ...	"	"	0.0							
Kew. (See front page.)										
				VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.						
				Total.	Average Rate.		Max. Rate.			
S. Kensington (Roof of M.O.)	81	80	0.0	77 Joules.	2.7 Milliwatts.		5.0 Milliwatts.			

Sup-
shine
for
Yester-
day.

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON
AND SUNSET FOR STATIONS IN THE UNITED KINGDOM
TO-DAY AND TO-MORROW

Over a considerable portion of north Britain frost prevailed all day, at Haivm the thermometer did not rise beyond 23°. On our south-west coast the maximum readings were above 50°. Scarcely any bright sunshine was recorded excepting on the Norfolk coast. Rain fell in most parts of England and Ireland, heavily at Bath. Wireless reports show that as far west as the 29th meridian ships experienced fresh to strong winds from between S. and S.W., with fair but cloudy weather.

The Daily Weather Report is sent free by post to any address in the United Kingdom on payment of £1 per annum, for postage and wrappers.

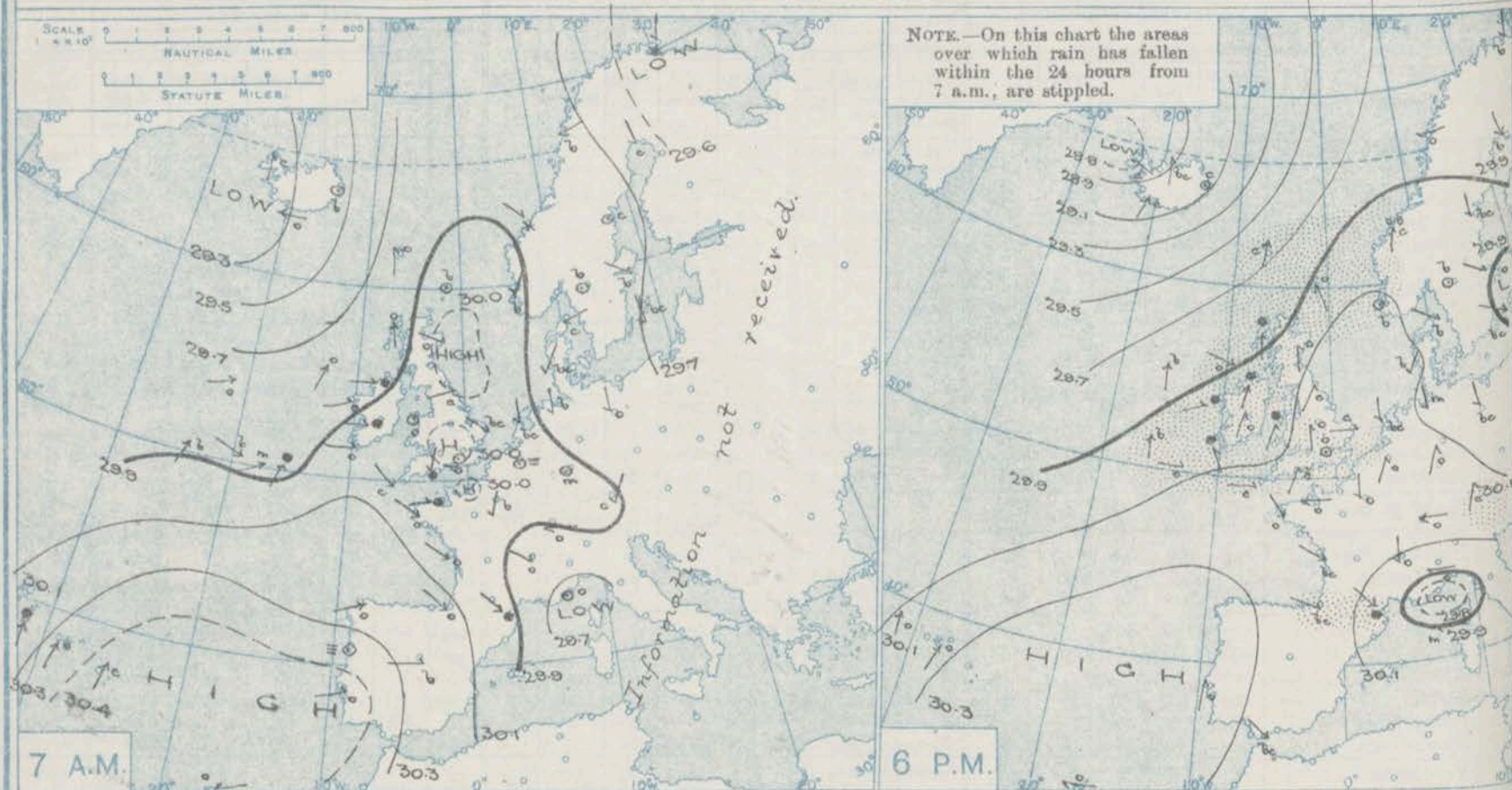
DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

Monday,
8th December, 1913.

1913.

STATIONS.	YESTERDAY EVENING.					THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.							Sun shine for Yester- day.
	BAROM.		TEMP.		WIND.	BAROMETER.		TEMP.		WIND.	Force (0 to 12).	Weather.	Sea (0 to 9).	Rain fall.	TEMP.		WEATHER.						
	At 32° F. and M.S.L. Lat. 45°	Dry Bulb.	Force (0 to 12).	Dir.		At 32° F. and M.S.L. Lat. 45°	Change since 4 a.m.	Dry Bulb.	Change since Yester- day.						Dir.	Force (0 to 12).	Weather.	Max.	Min.	Morning 7 a.m. to 1 p.m.	Afternoon 1 p.m. to 6 p.m.	Night 6 p.m. to 7 a.m.	
BRITISH ISLANDS.	Lerwick ...	29.92	43	SSE	5	o	29.71	-0.04	48	+14	SSE	4	cg	4	0.04	43	32	b.bc	c	omd.o			
	Stornoway ...	29.84	47	S	6	odpq	29.75	-0.07	49	+8	SW	6	cg	5	0.02	49	40	odpq	r	o.cdpq	0.0		
	Castlebay (Barra Isd.)	29.87	49	S	5	r	29.85	-0.02	50	+6	SW	4	o	5	0.13	50	44	d.p.r	r	om.b.c.o	0.0		
	Glasgow ...	30.03	35	ENE	1	oz	30.00	-0.01	46	+14	SW	2	o	4	0.07	46	31	odpq	odp.g	odgme	0.0		
	Malin Head...	29.92	46	SW	4	r	29.93	-0.01	47	0	WSW	3	c	3	0.18	49	45	omr	omd	c			
	Blackod Point ...	29.97	52	WSW	2	orf	29.95	-0.02	52	+4	WSW	4	omd	4	0.08	52	47	omr	om.r	omd.bc			
	Valencia ...	30.05	53	SSE	1	omd	30.12	-0.01	52	+3	S	2	om	4	0.11	53	48	omr	omr	omd	0.0		
	Roche's Point ...	30.06	51	SSW	1	r	30.15	*	50	+2	W	2	o	2	0.06	51	48	omr	omd.f	f.cd.o			
	Birr Castle ...	30.01	48	SW	1	o	30.09	*	49	+2	SW	1	o	2	0.08	50	46	a.c	odg	odg	0.0		
	Donaghadee ...	29.99	46	SSW	2	om	30.02	0.00	49	+6	SSW	1	orm	2	0.16	49	43	omd.om	omr	omr.om			
SCANDINAVIA.	Liverpool Obsy...	30.08	41	ESE	3	r	30.10	0.00	48	+11	SSE	2	o	2	0.06	48	36	omd	omd	o	0.0		
	Holyhead ...	30.09	48	SW	1	orm	30.12	0.00	52	+6	SW	3	fd	2	0.05	52	46	odf.o	opomr	or.of.d	0.0		
	Pembroke (St. Ann's Hd.)	30.08	49	W	3	c	30.14	-0.01	52	+3	SSW	4	ofd	4	0.03	53	49	cg	c	cg.op	0.0		
	Newquay ...	30.10	49	SW	3	od	30.19	+0.01	52	+2	SSW	2	o	2	0.01	52	46	o.c	o.od	od.o	0.1		
	Scilly (St. Mary's) ...	30.11	51	W	2	c	30.18	+0.01	53	+3	SW	2	fe	3	0.04	53	49	cgd	cd	c.fe	0.6		
	Jersey (St. Aubin) ...	30.17	49	E	1	ome	30.29	*	49	-1	SSE	3	ome	3	0.02	51	46	om	ome	be.ond	0.0		
	Portland Bill ...	30.12	50	SW	1	c	30.29	+0.01	49	+5	SW	3	bc	3	0.03	50	44	od	o.c	o.c.bc			
	Dungeness ...	30.15	42	NNW	1	o	30.25	+0.01	49	+14	SW	4	o	3	0.02	49	34	bc.o	o	op.c.o			
	Dover ...	30.17	41	-	0	om	30.30	*	47	+11	SW	4	o	3	0.02	47	35	c.bc	om	amp.r.o	0.6		
	GERMANY, &c.	Wick ...	29.90	42	SSE	4	c	29.75	-0.05	45	+5	SSW	3	cg	3	0.04	45	33	bc.bcg	ampq	bcg.cg		
Nairn ...		29.90	37	-	0	c	29.80	*	49	+17	W	3	c	2	0.03	49	30	oz	cg	cg.pq	0.0		
Aberdeen ...		30.02	39	S	2	o	29.87	-0.03	35	+12	SW	1	om	2	Trace	39	23	oz	oz	op.om	0.0		
Leith ...		30.03	37	-	0	o	29.96	-0.03	47	+15	W	2	o	2	Trace	47	31	og3.o	og3	ame.o			
North Shields ...		30.12	32	SW	1	c	30.05	-0.05	39	+11	-	0	o	2	-	39	27	c	c	c.o	0.0		
Spurn Head ...		30.12	40	-	0	b	30.12	0.00	41	+5	SSW	4	f	4	0.01	41	35	c	o	of	0.0		
Yarmouth ...		30.12	38	W	2	om	30.18	-0.01	41	+7	SW	2	om	1	-	42	31	om	om	ome	0.5		
Clacton-on-Sea ...		30.14	40	NNW	1	ogm	30.23	-0.02	45	+7	SW	1	cg	2	0.01	45	38	c.og	egm	ogpm	0.0		
Nottingham...		30.14	40	S	1	o	30.17	*	43	+7	SW	3	o	2	0.01	44	35	om	odm	ome	0.0		
Bath ...		30.12	45	SE	1	o	30.22	*	43	+3	SW	2	o	2	0.01	47	39	gd	g	om	0.0		
FRANCE.	London (Kew Obsy.)...	30.17	41	-	0	om	30.24	0.00	44	+6	SSW	2	om	2	0.01	44	37	om	ofd	om.bom	0.0		
	Spitzbergen ...	29.82	12	-	0	bc	29.82	0.00	15	-	ESE	1	o	*	?	12	?						
	Isafjord ...	28.78	40	SE	3	c	28.82	+0.03	34	-6	-	0	b	*	*	*	*						
	Reykjavik ...	28.94	38	WSW	4	o	28.83	+0.04	38	-3	-	0	o	*	*	*	*						
	Vestmanna ...	29.02	39	SW	4	c	28.90	+0.02	41	0	S	6	c	4	*	*	*	*					
	Seydisfjord ...	28.97	44	-	0	c	28.84	-0.04	38	+4	-	0	b	*	*	*	*						
	Thorshavn ...	29.58	43	SSW	6	o	29.28	-1.9	47	+3	SW	8	r	*	*	*	*						
	Haparanda ...	29.82	9	N	4	b	29.80	-0.01	2	-6	N	2	b	*	14	0							
	Hernösand ...	29.95	21	N	2	bc	29.89	-0.02	19	-4	N	2	c	*	27	14							
	Stockholm ...	29.90	26	NW	2	o	30.01	+0.01	25	+4	W	2	b	*	27	21							
SPAIN, PORTUGAL, &c.	Wisby ...	29.89	34	NW	4	c	30.03	+0.05	34	-2	NNW	4	o	*	37	34							
	Karlstad ...	29.99	22	-	0	b	30.04	-0.04	19	-1	-	0	c	*	25	16							
	Vardö ...	29.72	22	NNE	2	b	29.74	0.00	26	-2	-	0	bc	2	-	28	21						
	Bodö ...	29.76	24	E	2	o	29.71	-0.04	25	+5	E	2	b	2	?	25	18						
	Christiansund ...	30.00	35	SW	2	c	29.76	-1.1	35	+2	ENE	2	o	4	0.79	37	33						
	Skudesnaes ...	30.11	30	-	0	b	29.96	-0.06	40	+11	SSE	8	r	4	0.04	40	28						
	Færder (X'laula Fjord)	30.01	31	N	2	b	30.03	-0.03	34	+6	SSW	1	o	1	-	34	28						
	The Scaw (Skagen)...	30.04	36	NW	2	b	30.05	-0.01	37	+1	NW	3	o	0	-	37	30						
	Blaavands Huk ...	30.13	30	NE	1	b	30.20	+0.01	40	+5	WSW	3	o	2	-	49	27						
	PORTUGAL, &c.	Cuxhaven ...	30.06	36	N	2	m	30.27	+0.02	29	-7	S	1	f	0	-	39	28					
Berlin ...		30.00	34	N	3	bc	30.30	+0.09	31	-3	NW	2	o	*	-	34	28						
Frankfurt ...		30.13	36	SW	2	o	30.38	+0.06	30	+4	-	0	m	*	-	37	25						
Munich ...		30.16	27	SW	2	c	30.38	+0.08	28	0	W	2	3	*	0.04	28	23						
The Helder ...		30.12	40	N	2	bc	30.25	+0.01	35	-6	SE	2	o	1	0.04	43	32						
Brussels ...		30.20	35	SW	1	o	30.32	+0.04	36	+11	SW	1	r	*	0.04	37	23						
C. Gris Nez...		30.17	45	NW	3	o	30.26	0.00	47	+8	SSW	5	o	4	Trace	47	39						
La Hève ...		30.18	42	E	2	c	30.32	*	40	+1	S	4	o	3	-	45	37						
Ushant...		30.19	52	W	2	o	30.23	*	54	+1	S	3	o	3	-	55	43						
Brest (St. Mathieu) ...		30.20	52	NNW	4	o	30.26	0.00	53	0	SE	4	o	5	-	55	52						
PORTUGAL, &c.	Lorient (Bec Melen)...																						
	Rochefort (Ile d' Aix)	30.16	52	NW	4	bc	30.33	-0.04	45	-9	ENE	3	bc	2	-	54	45						
	Biarritz ...	30.23	55	WNW	3	bc	30.30	+0.03	54	-2	E	3	o	3	0.08	55	52						
	Paris ...																						
	Belfort ...	30.12	32	E	4	o	30.43	*	27	-6	-	0	m	*	-	36	27						
	Lyons ...	30.09	42	N	3	o	30.37	*	34	-15	NW	5	bx	*	-	50	33						
	Nice ...	29.71	50	E	2	o	29.99	+1.0	47		WSW	3	b	5	-	57	46						
	Perpignan ...	30.02	53	NW	4	r	30.20	+0.4	53	0	NW	5	b	*	0.04	62	51						
	Sanguinaire ...	29.89	57	E	2	m	29.89	*	55		E	2	m	6	-	61	52						
	PORTUGAL, &c.	Corunna (8 a.m.) ...	30.33	59	WSW	3	r	30.35	0.00	57	0	WSW	3	f	3	0.35	59	54					
Lisbon (8 a.m.) ...		30.38	59	SSW	2	o	30.31	0.00	55	-2	WSW	2	b	5	-	63	55						

BAROMETER, WIND AND WEATHER FOR 7 A.M. AND 6 P.M. 7TH DECEMBER.



GENERAL INFERENCE

WEATHER PROSPECTS.

The general distribution of pressure will be favourable for light to fresh winds from between

South and South-West over the United Kingdom.

FORECASTS FOR THE 24 HOURS NOON MONDAY TO NOON TUESDAY.

0 {
a
b
1
Wind mainly South-Westerly,
light or moderate, fresh or strong at
times locally; much cloud, some rain
and mist; mild.

2 {
a
b
3
Wind between South and
South-West, light or moderate; cloudy
or overcast generally, some mist, rain
in places later; moderate or mild
temperature.

5

FORECAST DISTRICTS.



STORM WARNINGS.

The Coasts upon which the Warning signals are at present displayed are indicated thus:—

Signals hoisted yesterday.

South Cone.

North Cone.

Signals hoisted this morning.

South Cone.

North Cone.

NO WARNINGS
ISSUED.

6 {
a
b
7 {
a
b
8 {
a
b
9 {
a
b
10 {
a
b
Same as Nos. 0 and 1.

Same as Nos. 2 to 5.

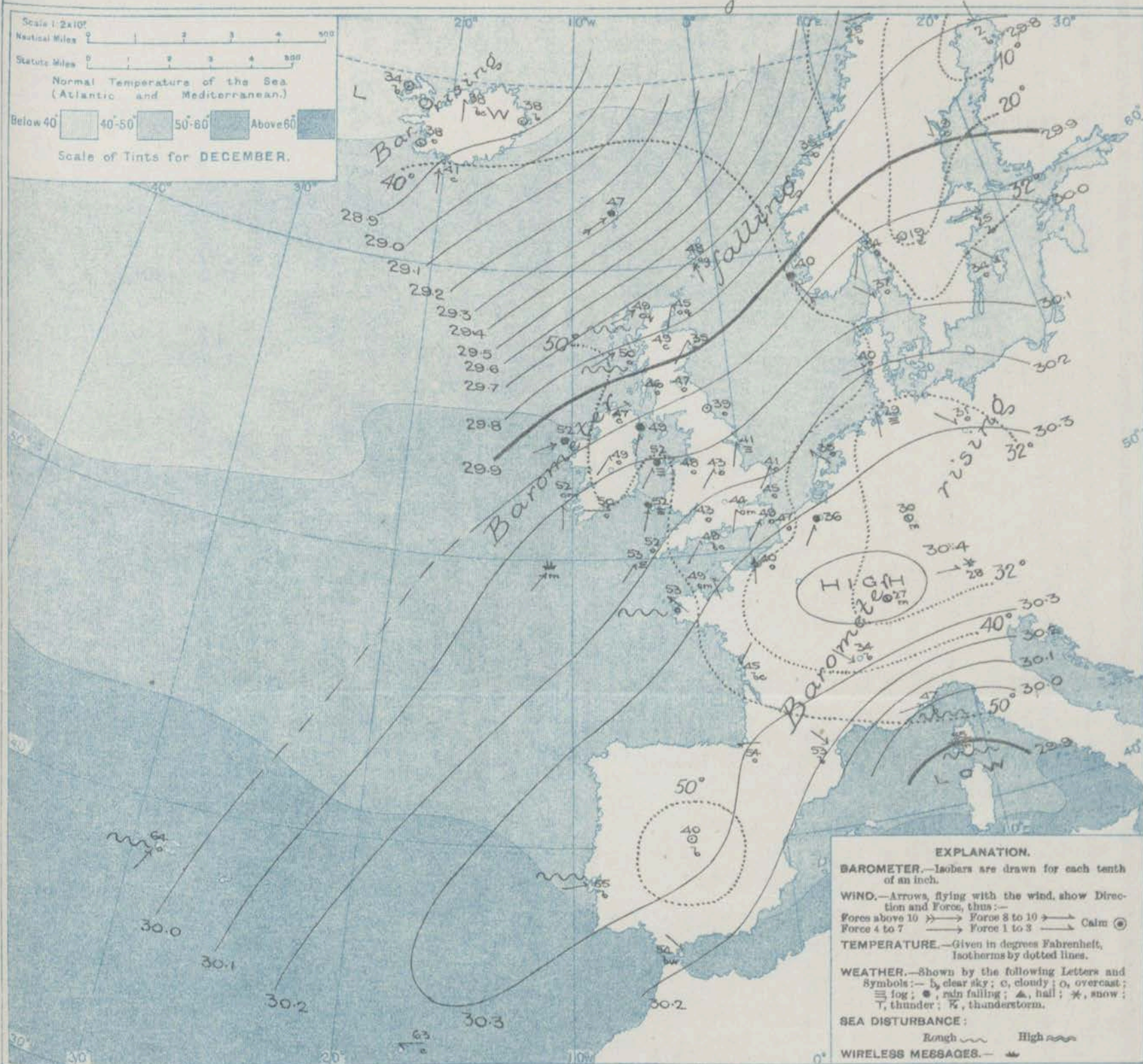
Same as Nos. 0 and 1.

11 WESTERN CHANNEL AND BAY.

South or Southerly winds, light to fresh; some mist or fog, rain locally later; sea slight to moderate.

THE FURTHER OUTLOOK.

SYNOPTIC CHART FOR 7 A.M. *Tuesday, 8th* DECEMBER 1913.



NOTES ON THE GENERAL SITUATION AT 7 A.M.

Pressure is above 30.3 in. in the central portion of an anticyclonic system covering the greater part of France and Germany, whence the readings decrease to 29.8 in. in the north of Scotland, and to below 28.9 in. in Iceland.

The wind over the United Kingdom is chiefly South-Westerly or Southerly, light or moderate generally, but strong at Stormaway. Between Scotland and Iceland the South-Westerly current is stronger; at Thorshavn it blows with the force of a gale. Temperature has risen quickly in Scotland and the north of England, the readings now range over the United Kingdom

from about 50° in Ireland and all the western regions of Britain to 39° at North Shields, and to 35° at Aberdeen. Slight frost prevails in Central Europe, and hard frost over the greater part of Sweden. The sky is cloudy or overcast at nearly all stations in these Islands and over a large area on the Continent. Rain is falling at some places in Ireland and Wales, as well as at Brussels, Shudranacs and Thorshavn, and snow is reported at Munich. Fog prevails on several parts of the English and Welsh coasts.

DAILY WEATHER REPORT.

Monday, 8th December, 1913.

OBSERVATIONS from the ATLANTIC OCEAN received by RADIOTELEGRAPHY.

DATE AND HOUR.	POSITION.		NAME OF SHIP.	O- Outward. H- Homeward.	BAROMETER.		WIND.		WEATHER.	DATE AND HOUR.	POSITION.		NAME OF SHIP.	O- Outward. H- Homeward.	BAROMETER.		WIND.		WEATHER.
	Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.			Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.	
8th Jan 7am	49	11	Vaderland	H	30.18	.00	SW	4-5	m	7th Jan	50	22	Lusitania	H	29.87	+ .11	SW	4-5	b
7th Gpm	50	14	Montezuma	H	30.09	+ .04	W	1-3	o	"	54	20	"	O	29.88	+ .04	WSW	4-5	b
"	55	14	California	O	29.84	+ .04	S	4-5	b	"	50	19	Minnewaska	O	30.06	+ .01	WNW	4-5	b
"	55	9	Carthaginian	O	29.90	-.02	WNW	4-5	o	"	51	15	Dominion	O	29.85	-.08	SW	4-5	r
" 1pm	55	12	California	O	29.75	.00	WSW	4-5	o	"	55	12	Caledonia	H	29.74	+ .01	SW	4-5	o

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

STATIONS.	Rainfall.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.	STATIONS.	Rainfall.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.
		Max.	Min.	Forenoon.	Afternoon.				Max.	Min.	Forenoon.	Afternoon.	
Scot- land, (Oban	In.	F.	F.			Hr.	(Margate	In.	F.	F.			Hr.
(St. Andrews							Ramsgate						
Eng. N.E. (Harrogate		35	28	o	o	0.0	Folkestone		45	38			0.0
(Scarborough		38	32	of	of	0.0	Hythe		44	37	c-o	o	0.0
Eng. N.W. (Blackpool	0.03	40	36	o	od	0.0	Littlestone						0.0
(Southport	0.04	40	36	o.c	od	0.0	Hastings	0.07	45	37	o	o	0.0
Mid- lands. (Buxton							Bexhill-on-Sea	0.06	45	38	o	o	0.0
(Leamington Spa	0.01	44	37	od	od	0.0	Eastbourne	0.13	48	25	o	o	0.0
(Malvern	0.17	43	37	g	me	0.0	Seaford						
Wales. (Rhyl	0.03	46	32	or.o	or.o	0.0	Brighton	0.14	45	36	of	o	0.0
(Colwyn Bay		49	38	m	m	0.0	Worthing	0.10	45	37	o	o	0.0
(Llandudno	0.03	48	39	op	op	0.0	Littlehampton	0.06					0.0
(Bettws-y-Coed							Southsea						
(Aberystwyth	0.08	49	43	dm.o	m.o	0.0	Ryde	0.15	46	44	o	oz	0.0
(Tenby							Ventnor	0.37	48	42			0.0
England, (Lowestoft		42	32	c	c.o	0.5	Bournemouth	0.45	46	40	o	o	0.0
(Felixstowe		42	33	c-bcm	cm.o	0.3	(Weymouth	0.20	48	42	om.d	om	0.0
(Walton-on-Naze		42	35	bc.ccm	om	0.0	Exmouth						
(Southend-on-Sea		42	37	o	o	0.0	Teignmouth	0.01	49	45	om.c	c	0.0
							Torquay	0.01	51	46	o	c.o	0.3
							Paignton		50	45	o	o	0.0
							Falmouth	0.01	52	49	o	o	0.0
							Bude	0.02	53	49	o	o	0.0
							Ilfracombe	0.03	53	45	g.cbc	bc.dcc	1.6
							(Weston-super-Mare	0.24	48	39	m.bc	om	0.0

LONDON OBSERVATIONS.

STATIONS.	HUMIDITY.		Sun- shine for Yester- day.	TEMPERATURE.		Rain- fall.	WEATHER.		
	3 p.m. Yester- day.	9 a.m. To- day.		In Screen.	Min. on Grass.		Fore- noon.	After- noon.	Night.
Greenwich (Royal Obs.) ...	80	92	0.0	48	39	37	o	o	od.c
City (Bunhill Row) ...			0.0						
Westminster (St. James's Pk.)			0.0						
Camden Sq. (Brit. Rainfall)	76	91	0.0	48	39	36	om	om	#
Hampstead (Reservoir) ...		93	0.0	46	40	38	of	of.c	of
Richmond Park ...			0.0						
Kew. (See front page.)									
VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.									
S. Kensington (Roof of M.O.)				Total.	Average Rate.	Max. Rate.			
				Sq. Joules.	2.1 Milliwatts.	4.0 Milliwatts.			

Additional Observations for Yesterday.

STATIONS.	Rain- fall.	TEMPERATURE.		WEATHER.		Sun- shine for Yester- day.
		In Screen.	Night Min. on Grass.	Night.	Fore- noon.	
Dublin to 4 p.m.	0.04	48	45	43	od.bc	bc
Plymouth to 9 p.m.						
Darwen "						
Manchester "	0.03	41	38		od	od
Birmingham "	0.01	41	36	33		or
Oxford to 8 p.m.						
S. Kensington (Museum Grounds to 6 p.m.)	0.06	44	39	30	om	om.gcc

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM TO-DAY AND TO-MORROW

6th & 7th Dec. 1913.	Sunrise.	Noon.	Sunset.
Yarmouth ...	G.M.T. 7.52	G.M.T. 11.45	G.M.T. 3.38
Greenwich ...	7.53	11.45	3.38
Wick ...	7.54	11.52	3.50
Valencia ...	7.55	11.52	3.50
	8.50	12.4	3.18
	8.52	12.4	3.17
	8.38	12.33	4.28
	8.34	12.33	4.28

During yesterday or in the night temperature rose to above 45° in almost all parts of the Kingdom, and to above 50° in many places in the west, but only to 39° at North Shields and Aberdeen. Rain has fallen very generally, but not in large amounts. Over the Kingdom as a whole there was no bright sunshine, but at Ilfracombe 1.6 hour was recorded. According to wireless reports Southerly and South-Westerly winds, light to moderate in force, prevailed between the Irish coasts and the 20th meridian.

NOTE.—The information relating to weather is indicated by the following letters:—b. blue sky; bc. sky half clouded; c. sky three parts clouded; d. drizzling rain; e. wet air, without rain falling; f. fog; g. gloom; h. hail; i. lightning; m. mist; o. overcast sky; p. passing showers; q. squalls; r. rain; s. snow; t. thunder; u. ugly, threatening sky; v. visibility, unusual transparency; w. dew; x. hoar frost; z. dust-base, or smoke.

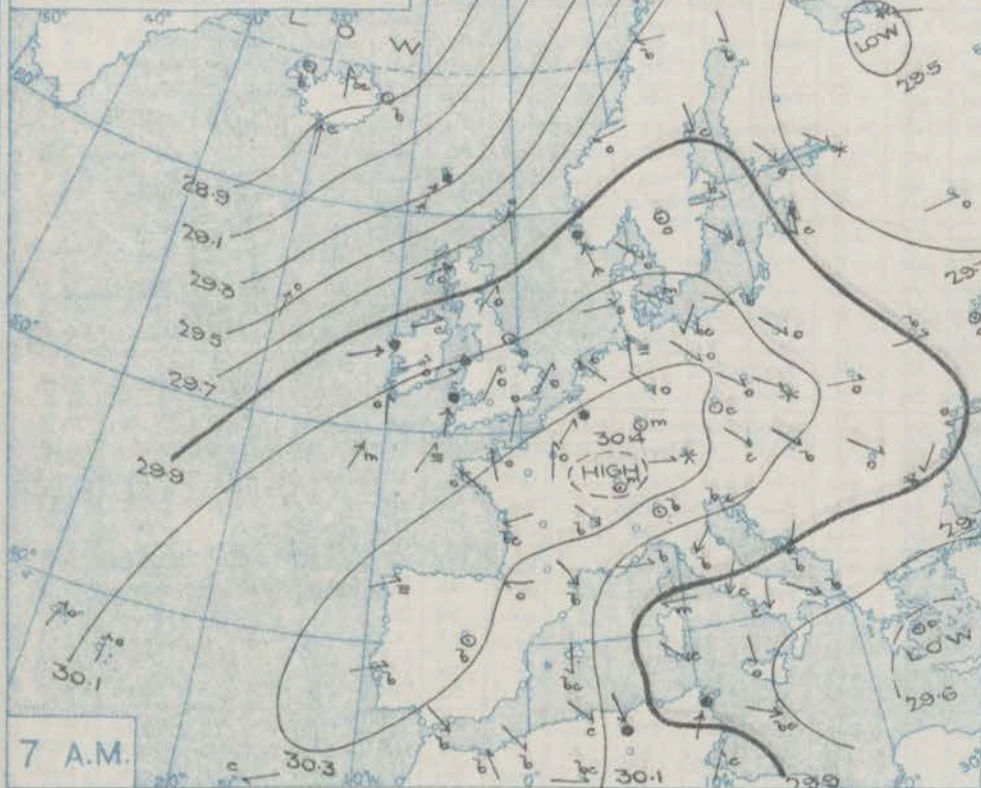
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DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

Tuesday,
9th December, 1913.

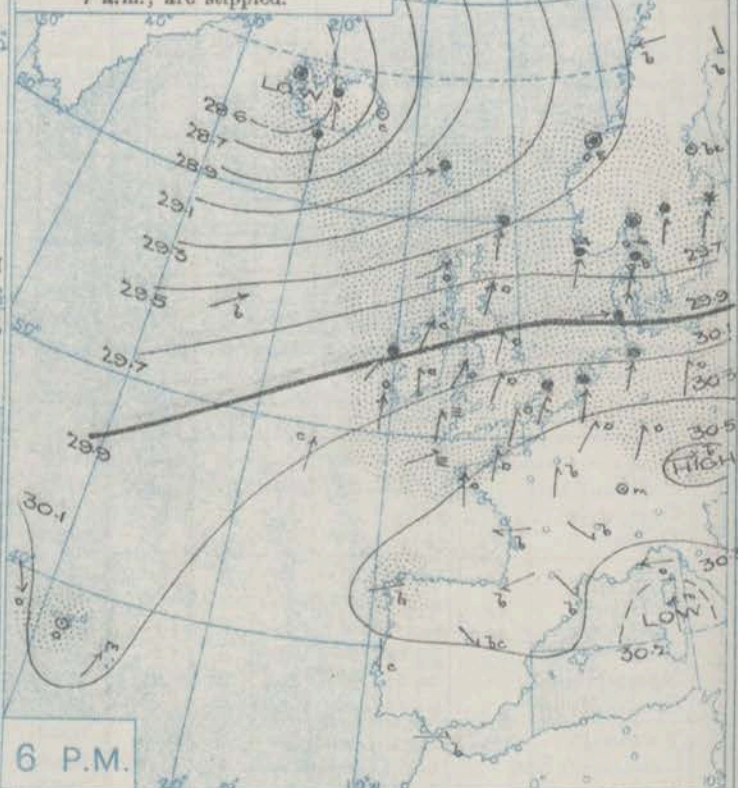
STATIONS.	YESTERDAY EVENING.						THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.						Sun- shine for Yester- day.
	BAROM.		TEMP.		WIND.		BAROMETER.		TEMP.		WIND.		Sea (0 to 9).	Rain fall.	TEMP.		WEATHER.						
	At 32° F. and M.S.L. Lat. 45°.	Dry Bulb.	Force (0 to 12).	Dir.	Force (0 to 12).	Weather.	At 32° F. and M.S.L. Lat. 45°.	Change since 4 a.m.	Dry Bulb.	Change since Yester- day.	Dir.	Force (0 to 12).			Weather.	Max.	Min.	Morning. 7 a.m. to 1 p.m.	Afternoon 1 p.m. to 6 p.m.	Night. 6 p.m. to 7 a.m.			
BRITISH ISLANDS.	Lerwick ...	29.43	51	SSW	5	omr	29.29	-0.1	46	-2	SSW	5	c	5	0.43	51	45	agrm	omr	omd	0.0		
	Stornoway ...	29.58	54	SW	7	og	29.54	+0.1	44	-5	W	7	cq	5	0.22	55	44	odrq	odqp	odqp	0.0		
	Castlebay (Barra Isd.) ...	29.70	53	SW	5	o	29.67	+0.1	46	-4	NW	6	b	5	0.04	53	46	or	o	odqp	0.0		
	Glasgow ...	29.87	52	SW	4	o	29.74	+0.1	45	-1	WSW	5	or	4	0.09	54	45	og	og	ogrq	0.0		
	Malin Head ...	29.81	54	SW	4	c	29.75	-0.0	47	0	WSW	5	c	4	0.11	55	46	cg	c	cpq	0.0		
	Blacksod Point ...	29.88	53	SW	6	omd	29.91	+0.05	50	-2	W	4	cq	4	0.10	53	46	omd	omd	omd	0.0		
	Valencia ...	30.07	52	S	4	om	30.04	-0.0	49	-3	NW	3	omd	4	0.09	54	49	omd	omd	omd	0.0		
	Roche's Point ...	30.14	52	SW	2	f	30.04	-	52	+2	WSW	3	o	4	0.05	52	50	fe	fe	fe-om	0.0		
	Birr Castle ...	30.02	55	S	2	o	29.96	-	48	-1	W	3	r	4	0.03	57	48	o.c	o	c-or	0.0		
	Donaghadee ...	29.94	54	SSW	3	om	29.86	+0.03	47	-2	W	3	om	3	0.04	56	47	om	om	om-p	0.0		
SCANDINAVIA.	Liverpool Obsy. ...	30.08	49	SW	3	o	29.95	-0.03	51	+3	SW	5	bc	4	Trace	55	47	om	c.bc	o.c	0.0		
	Holyhead ...	30.11	52	SW	4	ofeq	29.96	-0.02	52	0	SW	5	omq	4	0.01	53	50	or ep m	om of	ofpq o	0.0		
	Pembroke (St. Ann's Hd.) ...	30.17	51	SSW	4	f	30.07	-0.03	52	0	SW	5	bcq	7	0.05	53	50	ofd	omp	ofd	0.0		
	Newquay ...	30.23	50	SW	1	ofe	30.18	-0.0	52	0	SW	3	o	3	0.06	53	49	ofe	ofe	ofe-om	0.0		
	Scilly (St. Mary's) ...	30.23	49	WSW	2	fe	30.20	-0.1	52	-1	WSW	4	om	4	0.01	53	48	fe	fe	fe-om	0.0		
	Jersey (St. Aubin) ...	30.32	51	SSW	3	o	30.28	-	52	+3	SW	3	ome	3	Trace	52	47	ome	o.c-o	omd-e	0.0		
	Portland Bill ...	30.26	53	SW	3	ad	30.19	-0.02	53	+4	WSW	4	o	4	0.10	54	49	c.o	ad	od	0.0		
	Dungeness ...	30.25	51	SW	5	c	30.18	-0.02	52	+3	SW	6	bcq	6	Trace	52	48	c.o	c.bc	cq	0.0		
	Dover ...	30.21	49	SW	5	c	30.14	-	51	+4	SW	5	ed	6	0.02	51	46	cp r	c	od	0.0		
	Wick ...	29.59	51	S	3	c	29.47	+0.1	44	-1	SSW	4	bcq	4	Trace	54	43	og.cq	cpq	cq bcq	0.0		
GERMANY, &c.	Nairn ...	29.67	54	WSW	2	og	29.54	-	46	-3	W	4	bcq	3	0.07	55	43	q.bc	p.c	pq	0.0		
	Aberdeen ...	29.71	52	SSW	4	o	29.59	-0.0	49	+14	WSW	4	b	2	0.04	56	35	og	ogp	ogp b	0.0		
	Leith ...	29.85	56	WSW	3	o	29.68	+0.05	49	+2	W	3	r	2	Trace	53	46	og	o	o.c-o	0.0		
	North Shields ...	29.93	54	SW	2	og	29.76	-0.02	54	+15	SSW	3	o	2	-	56	39	o	c.o	o	0.0		
	Spurn Head ...	30.04	49	WSW	4	c	29.88	-0.04	52	+11	SW	5	cq	4	-	52	38	f	f-o-em	bc-m	0.0		
	Yarmouth ...	30.12	49	SW	2	odm	30.03	-0.0	53	+12	WSW	3	om	2	-	53	40	c-om	c-omd	om	0.0		
	Clacton-on-Sea ...	30.19	49	SSW	3	og	30.09	-0.02	51	+6	SW	4	bc	3	-	52	45	o.c-bc	c.og	og.e-bc	0.0		
	Nottingham ...	30.12	51	SW	3	o	29.98	-	53	+10	WSW	5	o	-	Trace	54	42	om	o	o.c-b	0.0		
	Bath ...	30.21	54	SW	2	o	30.13	-	52	+9	W	4	r	-	Trace	55	43	m.o	dg	od	0.0		
	London (Kew Obsy.) ...	30.22	51	SSW	3	o	30.11	-0.02	52	+8	SW	3	o	-	Trace	53	44	am	omd-o	od-o	0.0		
ICELAND, FAEROE, &c.	Spitzbergen ...	29.80	12	-	0	o	29.78	-0.0	21	+6	-	0	bc	-	-	21	0	-	-	-	0.0		
	Isafjord ...	28.58	34	-	0	r	28.72	+0.14	32	-2	NE	4	o	-	-	-	-	-	-	-	0.0		
	Reykjavik ...	28.55	37	-	0	r	28.73	+0.15	36	-2	W	2	o	-	-	-	-	-	-	-	0.0		
	Vestmanna ...	28.60	41	S	2	r	28.71	+0.11	38	-3	W	8	c	5	-	-	-	-	-	-	0.0		
	Seydisfjord ...	28.71	39	-	0	c	28.45	+0.05	39	+1	SSW	2	b	-	-	-	-	-	-	-	0.0		
	Thorshavn ...	29.15	50	WSW	7	r	28.97	-0.04	42	-5	WSW	6	c	-	-	-	-	-	-	-	0.0		
	Haparanda ...	29.75	-7	N	2	b	29.68	-0.03	2	0	N	2	f	-	-	19	-8	-	-	-	0.0		
	Hernösand ...	29.69	23	-	0	bc	29.50	-0.06	32	+3	-	0	c	-	-	32	19	-	-	-	0.0		
	Stockholm ...	29.72	29	SW	2	s	29.49	-0.04	33	+8	SSW	2	o	-	0.12	34	25	-	-	-	0.0		
	Wisby ...	29.88	35	SW	2	r	29.52	-0.11	38	+4	SW	2	o	-	0.24	38	32	-	-	-	0.0		
SCANDINAVIA.	Karlstad ...	29.66	35	SW	4	r	29.43	-0.04	36	+17	-	0	f	-	0.03	36	18	-	-	-	0.0		
	Vardö ...	29.67	27	-	0	s	29.56	-0.04	27	+1	WNW	2	o	2	-	27	19	-	-	-	0.0		
	Bodö ...	29.54	24	E	4	b	29.24	-0.12	27	+2	E	6	b	2	-	27	21	-	-	-	0.0		
	Christiansund ...	29.38	40	-	0	r	29.11	-0.03	46	+11	WSW	2	r	5	0.83	46	35	-	-	-	0.0		
	Skudesnaes ...	29.61	47	SW	4	r	29.43	-0.07	49	+9	WSW	6	r	5	1.38	46	39	-	-	-	0.0		
	Færder (X'tania Fjord) ...	29.62	39	-	0	r	29.38	-0.07	40	+6	SW	1	o	3	0.55	40	34	-	-	-	0.0		
	The Scaw (Skagen) ...	29.67	40	SW	3	r	29.46	-0.04	49	+12	W	7	m	2	0.79	49	34	-	-	-	0.0		
	Blaavands Huk ...	29.87	46	W	5	r	29.73	-0.02	48	+8	W	5	o	4	Trace	48	37	-	-	-	0.0		
	Cuxhaven ...	30.04	36	SW	5	r	29.89	-0.0	47	+13	W	7	o	3	0.16	47	29	-	-	-	0.0		
	Berlin ...	30.26	32	SW	2	o	29.89	-0.04	42	+11	SW	3	o	-	0.28	42	31	-	-	-	0.0		
GERMANY, &c.	Frankfurt ...	30.42	34	SW	2	o	30.27	-0.0	38	+8	SW	2	o	-	Trace	38	30	-	-	-	0.0		
	Munich ...	30.52	25	W	3	b	30.41	-0.01	31	+3	SW	3	o	-	Trace	32	25	-	-	-	0.0		
	The Helder ...	30.12	50	SSW	4	r	30.00	-0.04	51	+16	SW	4	o	3	0.08	52	35	-	-	-	0.0		
	Brussels ...	30.30	41	SW	3	o	30.21	-0.02	41	+5	SW	4	o	-	Trace	42	36	-	-	-	0.0		
	C. Gris Nez ...	30.25	49	SW	6	o	30.16	-0.02	50	+3	SW	6	r	5	0.04	50	47	-	-	-	0.0		
	La Hève ...	30.33	46	SSW	6	c	30.23	-	47	+7	SW	4	o	3	-	47	40	-	-	-	0.0		
	Ushant ...	30.31	54	S	4	f	30.31	-	54	0	SW	3	o	5	-	55	48	-	-	-	0.0		
	Brest (St. Mathieu) ...	30.29	53	S	5	o	30.31	-0.0	53	0	SW	4	o	4	0.04	57	52	-	-	-	0.0		
	Lorient (Bec Melen) ...	30.39	46	E	2	b	30.29	+0.01	45	0	S	3	o	2	-	52	45	-	-				

BAROMETER, WIND AND WEATHER FOR 7 A.M. AND 6 P.M. 8TH DECEMBER.



7 A.M.

NOTE.—On this chart the areas over which rain has fallen within the 24 hours from 7 a.m., are stippled.



6 P.M.

GENERAL INFERENCE

The large and deep depression centred near the east of Iceland appears to be travelling in an Easterly direction, while some slight irregularities

WEATHER PROSPECTS.

of pressure over the United Kingdom are likely to move in a similar direction.

FORECASTS FOR THE 24 HOURS NOON TUESDAY

TO NOON WEDNESDAY.

0 {
a
b
1
2 {
a
b
3
4 {
a
b
5

Wind between South-West and

West, light or moderate, fresh or strong

at times locally; mostly cloudy or

overcast, some rain, mist in places;

mild.

FORECAST DISTRICTS.



STORM WARNINGS.

The Coasts upon which the Warning Signals are at present displayed are indicated thus:—

Signals hoisted yesterday.

South Coast.

North Coast.

Signals hoisted this morning.

South Coast.

North Coast.

6 {
a
b
7 {
a
b
8 {
a
b
9 {
a
b
10 {
a
b

Same as Nos. 0 to 5.

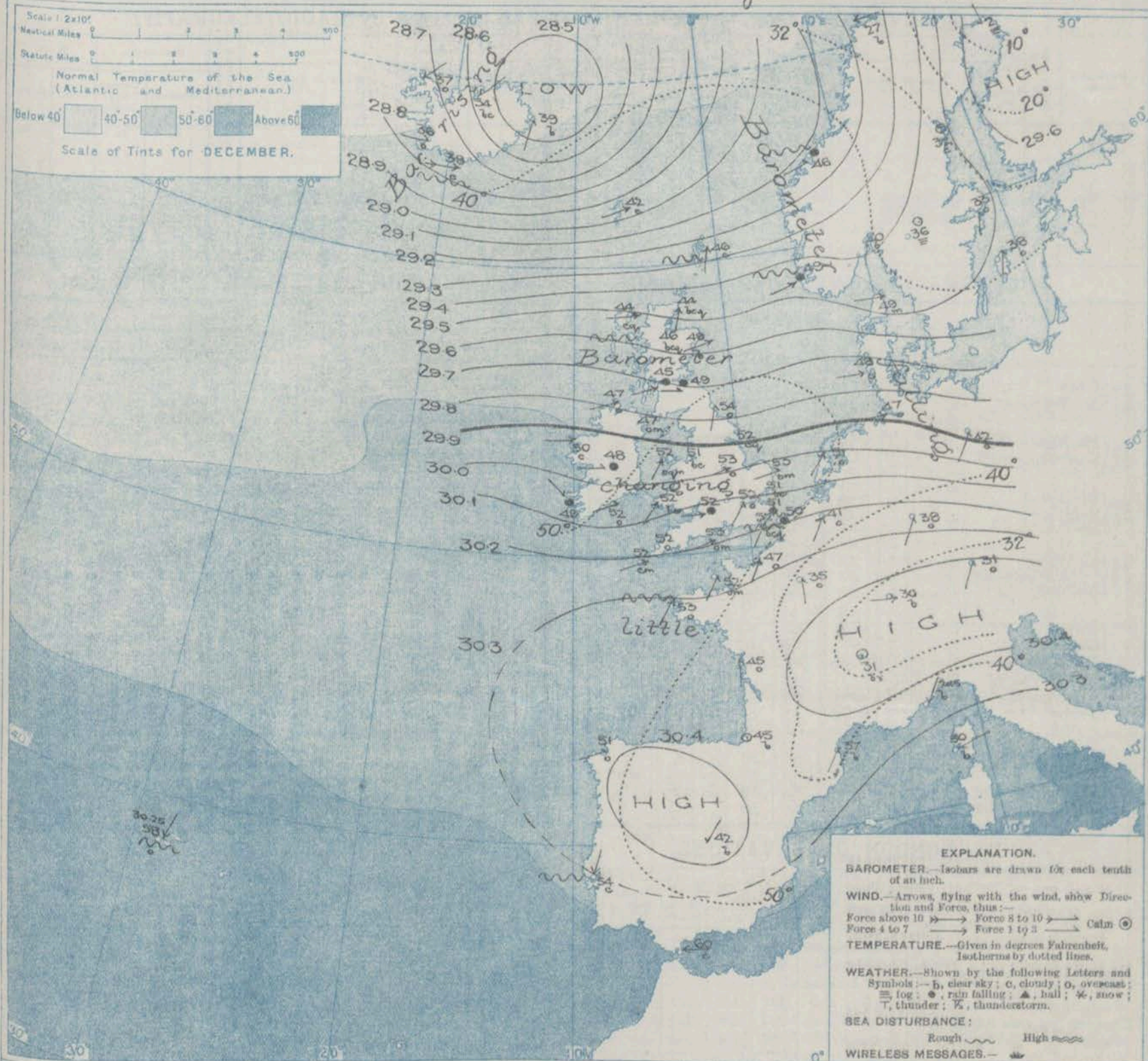
Wind moderate or fresh, between North-West and South-West; changeable, some showers; temperature moderate or mild.

11 WESTERN CHANNEL AND BAY.

South-Westerly winds, light to fresh; sea moderate; cloudy, some mist.

THE FURTHER OUTLOOK.

SYNOPTIC CHART FOR 7 A.M. Tuesday, 9th DECEMBER 1913.



NOTES ON THE GENERAL SITUATION AT 7 A.M.

Pressure is below 28.5 in. in a large and deep cyclonic disturbance having its centre near the east of Iceland. To the southward the readings increase to about 29.5 in. in Lathness, and to above 30.4 in. in an anticyclone having its maximum over South Germany, Switzerland and the east of France.

The wind is strong to a gale from the Westward on the south-west coast of Iceland, high from that point in the Hebrides, and moderate to fresh from West or South West over the United Kingdom generally. Beyond the North Sea the Westerly wind is fresh to high. Temperature is much above the normal

in most parts of these Islands, ranging from a little above 50° over England to 44° in the extreme north of Scotland. Frost prevails at Belfast, Lyons and Munich and also in the north of Scandinavia. Rain is falling in a few parts of the United Kingdom, at Cape Gray Nez, and on the west coast of Norway, and in most other regions the sky is very cloudy or overcast, with mist locally. Over the southern parts of France, however, the weather is fine & bright.

DAILY WEATHER REPORT.

Tuesday, 9th December, 1913.

OBSERVATIONS from the ATLANTIC OCEAN received by RADIOTELEGRAPHY.

DATE AND HOUR.	POSITION.		NAME OF SHIP.	Outward Inward	BAROMETER.		WIND.		WEATHER.	DATE AND HOUR.	POSITION.		NAME OF SHIP.	Outward Inward	BAROMETER.		WIND.		WEATHER.
	Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.			Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.	
8th 6pm	54	22	California	0	29.48	+12	WSW	6-7	b	8th 7am	54	19	California	0	29.37	-11	SSW	6-7	0
	49	15	Vaderland	0	30.05	-0.04	SSW	6-7	c										

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

STATIONS.	Rainfall.	TEMPERATURE.		WEATHER.		Sunshine to 6 p.m.	STATIONS.	Rainfall.	TEMPERATURE.		WEATHER.		Sunshine to 6 p.m.
		Max.	Min.	Forenoon.	Afternoon.				Max.	Min.	Forenoon.	Afternoon.	
Scot. land.	In.	F.	F.			Hr.	Margate	In.	F.	F.			Hr.
{ Oban	0.15	51	41	c.or	or.o	0.0	{ Ramsgate	0.01	51	40	c	c	0.0
{ St. Andrews	0.04	52	33	"	"	0.0	{ Folkestone	0.02	50	42	o	o.bc	0.0
Eng. N.E.							{ Hythe						
{ Harrogate	0.01	50	33	o.c	c	0.0	{ Littlestone						0.0
{ Scarborough	"	48	36	of	o.c	0.0	{ Hastings		50	43	o	o	0.0
Eng. N.W.							{ Bexhill-on-Sea		50	44	o	o	0.0
{ Blackpool	0.09	50	40			0.0	{ Eastbourne		53	42	o.c	c.o	0.0
{ Southport	0.02	50	39	od	oe.c.o	0.2	{ Seaford		51	42	o	o	0.0
Mid. lands.							{ Brighton	0.01	51	42	o	o.cm	0.0
{ Buxton		49	36	c.oe	oe	0.0	{ Worthing		52	43	o	o.bc.o	0.1
{ Leamington Spa		52	38	c.b	o	0.2	{ Littlehampton						0.0
{ Malvern		52	43	c	c	0.0	{ Southsea		53	43	o	o	0.1
Wales.							{ Ryde		53	50	o	o	1.1
{ Rhyl	0.01	55	40	c.bc	bc.o	3.2	{ Ventnor	Trace	53	49	"	"	0.4
{ Colwyn Bay		56	46	b.bc.b	b.bc	3.6	{ Bournemouth	0.05	53	49	od	or	0.4
{ Llandudno	0.03	54	47	c	c	2.7	{ Weymouth	0.02	54	45	c	r	0.0
{ Bettws-y-Coed		53	40			0.5	{ Exmouth	0.02	52	43	o	o	0.0
{ Aberystwyth	0.02	53	43	o.c	c.or	0.0	{ Teignmouth		55	45	c	c	0.0
{ Tenby	0.06	53	43	d	d	0.0	{ Torquay		55	46	o	o	0.0
England, E.							{ Paignton		54	42	om	o	0.0
{ Lowestoft		51	38	o.c	c.o	0.3	{ Falmouth	0.01	54	49	om	oe	0.0
{ Felixstowe	0.02	50	35	m.o.c	bcm.o	0.4	{ Bude	0.01	55	50	od.eg	od.e	0.0
{ Walton-on-Naze		50	38	o.c.bc	o	0.6	{ Ilfracombe		54	48	oe	ome	0.0
{ Southend-on-Sea		51	39	o	o	1.0	{ Weston-super-Mare		53	40	c.bc.b	e.c	0.3

LONDON OBSERVATIONS.

STATIONS.	HUMIDITY.		Sunshine for Yesterday.	TEMPERATURE.		Rain-fall.	WEATHER.		
	1 p.m. Yesterday.	9 a.m. To-day.		In Screen.	Min. on Grass.		Fore-noon.	After-noon.	Night.
Greenwich (Royal Obs.)	82	89	0.7	55	47	4.6	o	o.odm	o
City (Bunhill Row)	"	"	0.0	"	"	"	"	"	"
Westminster (St. James's Pk.)	86	93	0.0	54	48	4.5	m	m	bc. day
Camden Sq. (Brit. Rainfall)	81	93	0.0	54	48	4.7	o	o.ogm	-
Hampstead (Reservoir)	"	94	0.0	51	46	4.3	oe	oe	oe
Richmond Park	"	"	0.5						
Kew. (See front page.)									
VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETER DURING YESTERDAY.									
Total.		Average Rate.		Max. Rate.					
S. Kensington (Roof of M.O.)		83		93		0.0		176 Joules.	
								6.1 Milliwatts.	
								15.0 Milliwatts.	

Additional Observations for Yesterday.

STATIONS.	Rain-fall.	TEMPERATURE.		WEATHER.		Sunshine for Yesterday.
		In Screen.	Night Min. on Grass.	Night.	Fore-noon.	
Dublin to 4 p.m.	0.02	55	46	4.4	odf.c	c
Plymouth to 9 p.m.	0.07	54	48	4.6	od	od
Darwen	0.04	49	37	37	od	od
Manchester						
Birmingham		50	40	39	"	o
Oxford to 8 p.m.		53	42	36	o	cm.o
S. Kensington (Museum Grounds to 6 p.m.)	0.01	54	42	34	cm.o	o

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM TO-DAY AND TO-MORROW

9th/10th Dec. 1913.	Sunrise.	Noon.	Sunset.
Yarmouth	G.M.T. 7.53 7.54	G.M.T. 11.45 11.46	3.38 3.37
Greenwich	7.55 7.56	11.52 11.53	3.50 3.50
Wick	8.52 8.53	12.4 12.5	3.17 3.17
Valencia	8.39 8.40	12.33 12.34	4.28 4.28

Temperature rose to above 50°, in almost all parts of the Kingdom, touching 56° at Colwyn Bay and Aberdeen. In the night it reached 56° at Donaghadee. At Birr Castle the maximum was 57°. Rain fell in most regions, but the measurement was slight generally, except in Shetland and Scandinavia. In North Wales the sunshine record was rather high for the time of year, but over the Kingdom as a whole the day was very cloudy or quite overcast. Wireless reports show that fresh or strong South-Westerly winds prevailed between the Irish coasts and the 22nd meridian.

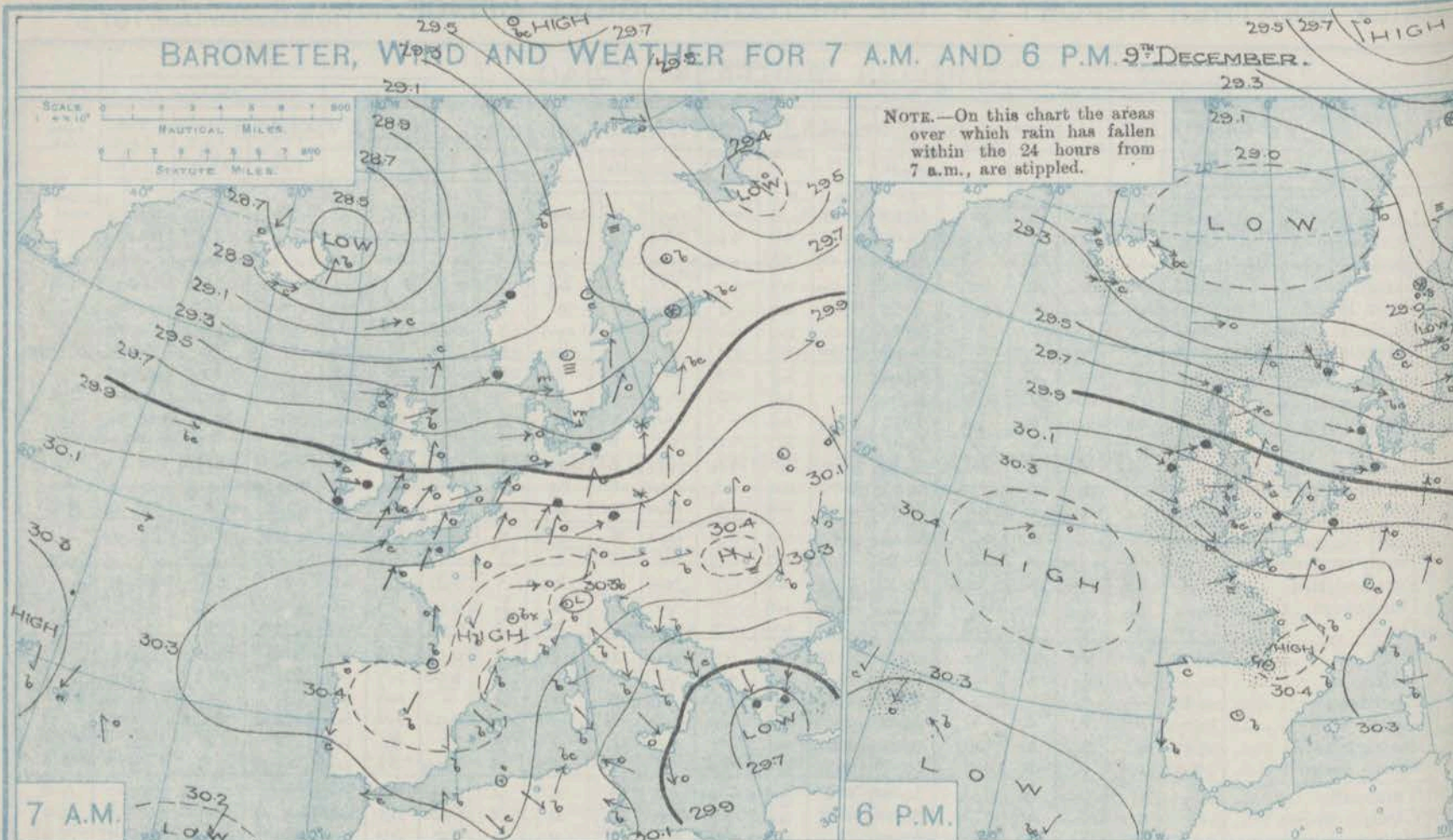
NOTE.—The information relating to weather is indicated by the following letters—b. blue sky; bc. sky half clouded; c. sky three parts clouded; d. drizzling rain; e. wet air, without rain falling; f. fog; g. gloom; h. hail; i. lightning; m. mist; o. overcast sky; p. passing showers; q. squalls; r. rain; s. snow; t. thunder; u. ugly, threatening sky; v. visibility, unusual transparency; w. dew; x. hoar frost; z. dust-haze, or smoke.

The Daily Weather Report is sent free by post to any address in the United Kingdom on payment of £1 per annum, for postage and wrappers.

Wednesday,
10th December, 1913.

† Received too late for insertion in Charts.

BAROMETER, WIND AND WEATHER FOR 7 A.M. AND 6 P.M. 9TH DECEMBER.



7 A.M.

6 P.M.

WEATHER PROSPECTS.

A fresh fall of the barometer which has begun in Iceland probably indicates the approach of a depression which will cause the wind to return to

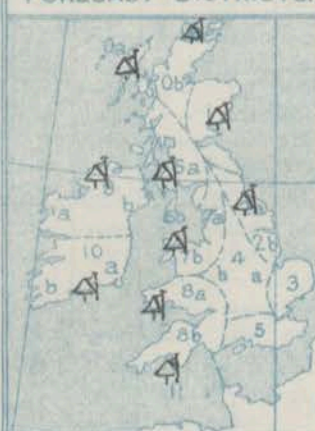
between West and South-West over the United Kingdom.

FORECASTS FOR THE 24 HOURS NOON WEDNESDAY

TO NOON THURSDAY

- 0 { a } North-Westerly and Westerly
b }
1 winds, light or moderate, fresh or
strong at times locally, backing
2 { a } later; mostly fair, but some showers
b }
3 in places; temperature moderately
high to-day, but frost inland locally
4 { a } at night. Becoming milder again
b }
5 to-morrow.

FORECAST DISTRICTS.



STORM WARNINGS.

The Coasts upon which the Warning Signals are at present displayed are indicated thus:—

Signals hoisted yesterday.	Signals hoisted this morning.
South Cone.	South Cone.
North Cone.	North Cone.

NORTH CONE HOISTED at 7.10pm. yesterday in Districts 0-2 and 6-11.

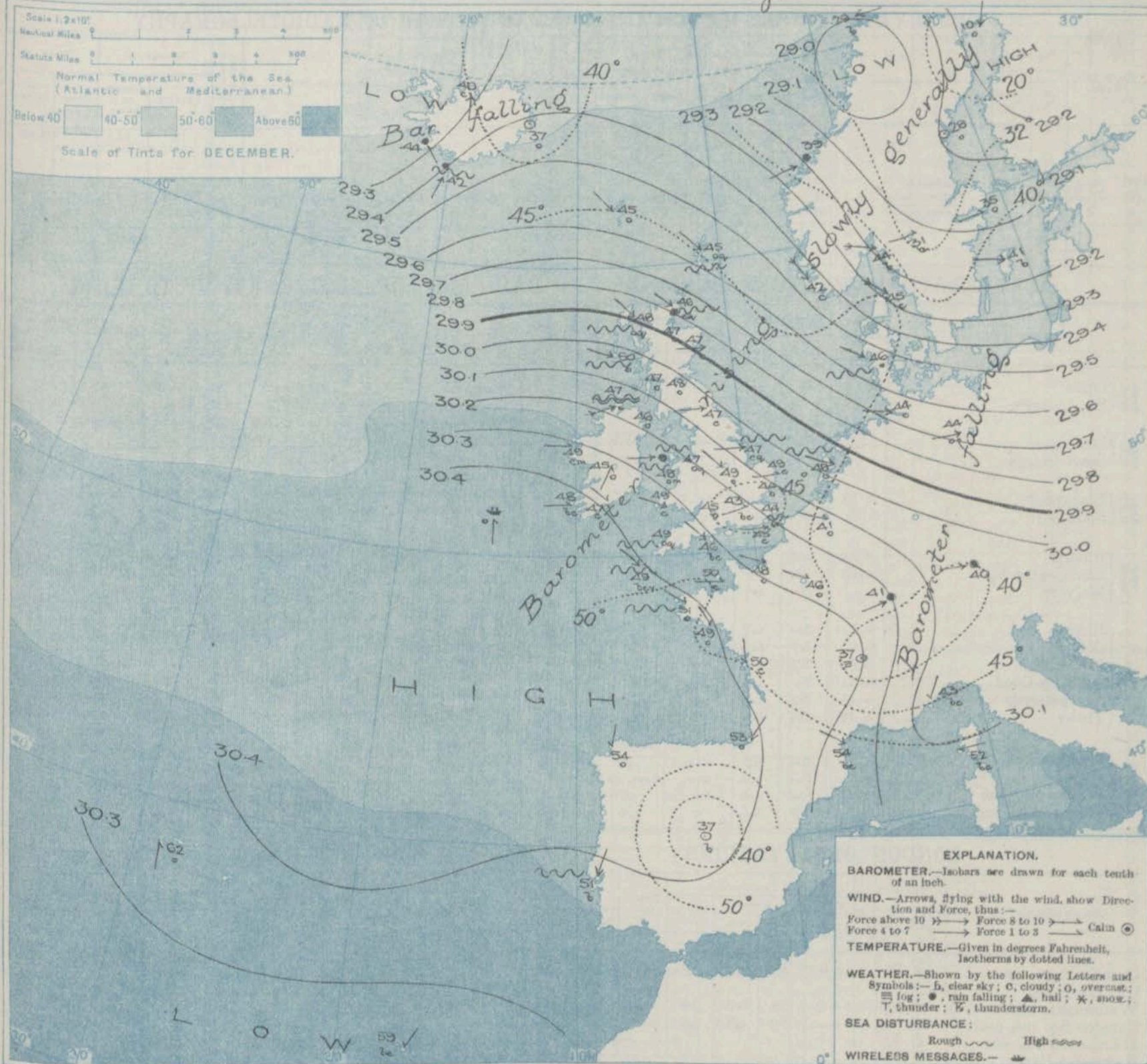
- 6 { a }
b }
7 { a } Same as Nos. 0 to 5.
b }
8 { a }
b }
9 { a } Westerly to South-Westerly
b } winds, light or moderate to fresh;
mostly fair, some local showers;
mild or moderate temperature.
10 { a }
b }

11 WESTERN CHANNEL AND BAY.

North-Westerly to Westerly winds, moderate or fresh to light; sea moderate; fair generally.

THE FURTHER OUTLOOK.

SYNOPTIC CHART FOR 7 A.M. Wednesday, 10th DECEMBER 1913.



NOTES ON THE GENERAL SITUATION AT 7 A.M.

Pressure is above 30.4 in. off our south-western coasts, below 29.3 in. in the west of Iceland, and below 29 in. in a large depression having its minimum in the north of Norway.

The wind over the United Kingdom is between West and North-West, and although light or moderate in many places, it blows a fresh or strong breeze on several parts of the coast, a high wind at Newquay and Stornoway, and a gale at Malin Head. Over the North Sea region the direction is North-Westerly, and the force a high wind to a strong gale. In Iceland the wind has returned to the

Southward. Temperature is still above the normal, although it has fallen in most parts of these islands. The readings now range from 48° or 49° at many of our western and northern stations, and 50° in the Southern Hebrides to 44° at Clacton-on-Sea and Dover, and to 43° in London. Cloudy or overcast weather is reported over the greater part of these islands and Western, and North-Western Europe. Rain is falling Belfort, Manich and Holyhead, snow in the extreme north of Norway, and passing showers prevail at Wick.

DAILY WEATHER REPORT.

Wednesday, 10th December 1913.

OBSERVATIONS from the ATLANTIC OCEAN received by RADIOTELEGRAPHY.

DATE AND HOUR.	POSITION.		NAME OF SHIP.	O = Outward. H = Homeward.	BAROMETER.		WIND.		WEATHER.	DATE AND HOUR.	POSITION.		NAME OF SHIP.	O = Outward. H = Homeward.	BAROMETER.		WIND.		WEATHER.
	Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.			Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.	
10th Jan.	51	14	Canada	H	30.44	-0.1	S	1-3	o	9th Jan.	50	28	Dominion	H	30.15	+0.7	W	4-5	o
9th Op.m.	49	22	Vaderland	H	30.43	-0.1	W.S.W.	4-5	o	"	51	26	California	O	29.96	+1.0	W	6-7	bc
"	50	19	Canada	H	30.46	+1.10	W	1-3	o	"	50	24	Canada	H	30.21	-0.2	W	1-3	o

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

STATIONS.	Rainfall.	TEMPERATURE.		WEATHER.		Sunshine to 6 p.m.	STATIONS.	Rainfall.	TEMPERATURE.		WEATHER.		Sunshine to 6 p.m.
		Max.	Min.	Forenoon.	Afternoon.				Max.	Min.	Forenoon.	Afternoon.	
Scot. land. (Oban ...)	In. 0.28	F. 55	F. 46	crq	crq	0.3	Margate ...	In. -	F. 55	F. 46	o	o	0.0
(St. Andrews ...)							Ramsgate ...		53	47			0.0
Eng. N.E. (Harrogate ...)	0.01	51	42	op.c	bc.c	1.0	Folkestone ...	0.02	53	49	od.o	od	0.0
(Scarborough ...)		53	46	o	o.c	0.0	Hythe ...						0.2
Eng. N.W. (Blackpool ...)	0.19	52	46	or.c	bc	1.0	Littlestone ...						0.0
(Southport ...)	0.19	51	46	or	o.c.b.bc	1.0	Hastings ...	0.05	53	49	op	od.o	0.0
Mid-lands. (Buxton ...)	0.20	49	32	c	bc.r	0.0	Bexhill-on-Sea ...	0.03	53	50	om	o	0.0
(Leamington Spa ...)	0.06	53	45	o	o	0.0	Eastbourne ...	0.06	51	50	o.c	og	0.0
(Malvern ...)		54	47	c	c	0.5	Seaford ...	0.07	53	50	or	o	0.0
Wales. (Rhyl ...)	0.24	54	47	r.c	c.bc	0.9	Brighton ...	0.02	53	50	o	o	0.0
(Colwyn Bay ...)	0.02	57	46	p	bc.o	0.2	Worthing ...	0.05	53	49	o	o	0.0
(Llandudno ...)	0.30	52	47	or	or.bc	0.9	Littlehampton ...	0.02					0.0
(Bettws-y-Coed ...)	0.21	51	43	or	o.c	0.0	Southsea ...	0.03	54	50	o	o	0.2
(Aberystwyth ...)	0.13	52	49	or.o	o.c.o	0.5	Ryde ...	0.02	55	53	?	?	0.4
(Tenby ...)	0.18	55	45	d	o.bc	0.3	Ventnor ...	0.08	53	52			0.9
England, S.W. (Lowestoft ...)		54	50	c.o	or	0.2	Bournemouth ...		54	49	o	o	0.0
(Felixstowe ...)	0.01	54	45	om	om.or	0.0	Weymouth ...	0.10	54	50	cp	p.c	0.2
(Walton-on-Naze ...)	0.02	54	46	cdm.cm	orm	0.0	Exmouth ...		53	49	o	o	0.1
(Southend-on-Sea ...)		53	46	o	o	0.1	Teignmouth ...		54	49	c	cdp.c	0.0
							Torquay ...		55	51	c	o	0.3
							Paignton ...	0.01	54	50	bc.od	od.o	0.4
							Falmouth ...	0.08	54	49	od	od.c	0.2
							Bude ...	0.07	54	50	odp	op.bc	0.0
							Ilfracombe ...	0.13	54	49	od	d.o.c	0.0
							Weston-super-Mare ...		53	48	c.bc	d.c.o	0.0

LONDON OBSERVATIONS.

STATIONS.	HUMIDITY.		Sunshine for Yesterday.	TEMPERATURE.		Rainfall.	WEATHER.		
	3 p.m. Yesterday.	9 a.m. To-day.		In Screen.	Min. on Grass.		Forenoon.	Afternoon.	Night.
Greenwich (Royal Obs.) ...	73	80	0.0	F. 55	F. 42	0.02	o	o.or	or.bc
City (Bunhill Row) ...			0.0						
Westminster (St. James's Pk.)	97	89	0.0	55	43	0.04	om	or	o
Camden Sq. (Brit. Rainfall)	85	81	0.0	55	43	0.05	o	o.od	
Hampstead (Reservoir) ...									
Richmond Park ...			0.1						
Kew. (See front page.)									
VERTICAL COMPONENT OF SOLAR RADIATION FOR SQUARE CENTIMETRE DURING YESTERDAY.									
Total.		Average Rate.		Max. Rate.					
S. Kensington (Roof of M.O.)		77 Joules.		2.7 Milliwatts.		11.5 Milliwatts.			

Additional Observations for Yesterday.

STATIONS.	Rainfall.	TEMPERATURE.		Night.	WEATHER.		Sunshine for Yesterday.
		In Screen.	Min. on Grass.		Night.	Forenoon.	
Dublin to 4 p.m.	0.09	49	45	43	orq	or.b	bc
Plymouth to 9 p.m.							
Darwen "	0.47	52	41	47	and	or	or.bc
Manchester "							
Birmingham "	0.08	52	43	45		o	r.o
Oxford to 8 p.m.		53	47	39	o	c.o	o.od
S. Kensington (Museum Grounds to 6 p.m.)	0.02	55	51	48	o.odm	o.oe	or.od

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM TO-DAY AND TO-MORROW

10th & 11th Dec. 1913.	Sunrise	Noon	Sunset
Yarmouth ...	G.M.T. 7.54 7.56	G.M.T. 11.46 11.46	G.M.T. 3.37 3.37
Greenwich ...	7.56 7.57	11.53 11.53	3.50 3.49
Wick ...	8.53 8.54	12.5 12.5	3.17 3.16
Valencia ...	8.40 8.41	12.34 12.34	4.28 4.27

NOTES ON YESTERDAY'S WEATHER.

Temperature rose to 57° at Colwyn Bay, and to 58° at Leamington, while in many other parts of this country it touched 55°. Rain fell very generally, but the quantity was moderate to very slight. Except in the east of Scotland and Central Ireland very little or no bright sunshine was recorded. Wireless reports show that between the Irish coast and the 22nd meridian the wind was light to fresh or strong from the Westward.

NOTE.—The information relating to weather is indicated by the following letters—b. blue sky; bc. sky half clouded; c. sky three parts clouded; d. drizzling rain; e. wet air, without rain falling; f. fog; g. gloom; h. hail; i. lightning; m. mist; o. overcast sky; p. passing showers; q. squalls; r. rain; s. snow; t. thunder; u. ugly, threatening sky; v. visibility, unusual transparency; w. dew; x. hoar frost; z. dust-haze, or smoke.

The Daily Weather Report is sent free by post to any address in the United Kingdom on payment of £1 per annum, for postage and wrappers.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

Thursday,
11th December, 1913.

STATIONS.	YESTERDAY EVENING.					THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.					Sun- shine for Yester- day
	BAROM.		TEMP.		WIND.	BAROMETER.		TEMP.		WIND.		Sea (0 to 9).	Rain fall.	TEMP.		WEATHER.					
	At 32° F. and M.S.L. Lat. 45°	Dry Bulb.	Force (0 to 12).	Weather.		At 32° F. and M.S.L. Lat. 45°	Change since 4 a.m.	Dry Bulb.	Change since Yester- day.	Dir.	Force (0 to 12).			Weather.	Max.	Min.	Morning. 7 a.m. to 1 p.m.	Afternoon 1 p.m. to 6 p.m.	Night. 6 p.m. to 7 a.m.		
BRITISH ISLANDS.	Lerwick ...	In. 29.73	F. 48	WNW	3	omd	In. 29.65	In. -0.03	F. 48	+3	WSW	5	om	5	In. 0.17	F. 48	F. 44	cpq	omd	omd.c	Hours. .
	Stornoway ...	29.98	46	W	5	bcq	29.88	-0.02	48	0	SW	7	odq	5	0.03	48	45	opq	c.cpq	odpq	0.0
	Castlebay (Barra Isd.)	30.09	47	WNW	5	op	29.97	0.00	49	-1	W	4	op	5	0.04	50	47	op	ptc.op	op	0.0
	Glasgow ...	30.08	46	W	5	o	30.04	-0.01	47	0	WSW	4	cg	5	0.02	47	44	odpq	cg	olpd	0.0
	Malin Head...	30.16	48	W	6	c	30.07	-0.03	47	0	W	5	c	5	0.04	49	43	omq	cmq.p	cpq	.
	Blackrod Point	30.30	47	W	3	cmp	30.15	-0.03	48	-1	W	4	cpm	4	0.03	49	46	cmp	cm.p	cm.cpm	.
	Valencia ...	30.40	47	WNW	1	cm	30.29	-0.04	47	-1	SW	1	cm	4	0.04	49	46	bcm	cm	cpm	1.0
	Roche's Point ...	30.40	49	NW	2	o	30.31	.	46	-1	NW	2	o	2	.	49	44	bc.c	cg	o	.
	Birr Castle ...	30.33	46	W	1	o	30.24	.	45	0	SW	1	o	.	0.02	48	43	o.c	oe	em	0.2
	Donaghadee ...	30.19	47	W	3	bc	30.14	-0.02	45	-1	W	3	cg	3	.	48	45	cg	bc	bc.cq	.
	Liverpool Obsy. ...	30.25	47	W	5	o	30.21	-0.02	47	0	W	4	o	4	0.01	49	45	odt	oe	o	0.0
	Holyhead ...	30.32	48	WNW	3	oqg	30.27	-0.01	47	-1	WNW	4	opdmq	4	Trace	49	47	opdm	oqg.c	c.bcc.o	0.0
	Pembroke (St. Ann's Hd)	30.32	49	WNW	4	c	30.27	-0.01	48	-1	WNW	3	c	3	Trace	51	48	cg.c	c	c	0.0
	Newquay ...	30.37	49	NW	5	c	30.31	-0.01	48	-1	W	3	o	3	.	50	47	o	o.c.v	bc.o	0.2
	Scilly (St. Mary's) ...	30.40	47	NW	4	c	30.34	-0.01	46	-3	NW	4	cpq	4	0.03	51	45	bc.c	bc.c	cpq.cq	0.7
Jersey (St. Aubin) ...	30.37	51	WNW	3	o	30.33	.	50	0	WNW	3	o	3	.	52	49	c.o	o	o.c.o	0.1	
Portland Bill ...	30.30	49	NW	4	c	30.28	-0.01	48	+2	NW	4	o	3	.	51	45	bc	bc	.	.	
Dungeness ...	30.22	48	WSW	3	c	30.23	+0.01	42	-3	W	2	o	3	.	48	39	c.bc	o.bc	c.bc	.	
Dover ...	30.19	47	WNW	4	c	30.23	.	44	0	WNW	3	o	3	.	47	41	bc.o	o.c	c.o	0.1	
Wick ...	29.89	47	WNW	3	c	29.83	-0.01	48	+2	W	2	c	3	0.05	48	43	om.pdq	om.cpq	bc.c	.	
Nairn ...	29.99	48	W	2	bc	29.88	.	49	+2	W	3	cgq	2	Trace	49	43	q.bc	gc	bc	0.0	
Aberdeen ...	29.96	48	WNW	4	b	29.92	-0.02	40	-7	WSW	2	cg	2	.	51	40	og	o.cq.b	bc.b	0.0	
Leith ...	30.06	48	WSW	3	bc	29.98	-0.03	48	0	W	3	b	.	Trace	50	45	o	c.bc	c.bc	.	
North Shields ...	30.07	48	WNW	4	c	30.06	0.00	45	-2	W	3	b	2	.	49	45	o.c	c	c.bc	.	
Spurn Head ...	30.08	37	WNW	6	bc	30.11	0.00	46	-1	WNW	5	cg	5	.	51	43	cg	bcq	bcq	0.0	
Yarmouth ...	30.12	47	W	3	cm	30.15	0.00	40	-9	W	3	b	2	.	49	40	o.bcm	c.om	bc	0.0	
Clacton-on-Sea ...	30.17	48	WNW	2	o	30.19	0.00	45	+1	WNW	2	o	1	.	48	40	o	o	o	0.0	
Nottingham...	30.18	48	NW	4	c	30.19	.	46	-3	NW	3	bc	.	.	50	45	om	o.c	c.bc	0.0	
Bath ...	30.28	46	NW	3	c	30.27	.	45	0	NW	1	o	.	.	51	40	o.c.bc	o.c.bc	b.bc.o	2.6	
London (Kew Obsy.)...	30.23	47	W	1	c	30.25	0.00	42	-1	W	2	cm	.	.	49	39	bc.cmp	o.cmp	c.cm	0.0	
ICELAND, FAEROE, &c.	Spitzbergen ...	29.65	1	SE	1	b	29.55	-0.02	2	0	.	0	b	.	.	2	-4	.	.	.	.
	Isafjord...	28.85	39	SW	9	c	28.82	+0.05	32	-12	W	9	s	.	.	.	.	.	.	.	.
	Reykjavik ...	29.11	38	S	4	o	29.17	+0.04	33	-11	W	5	o	.	.	.	.	.	.	.	.
	Vestmanna ...	29.21	41	SW	6	o	29.27	+0.04	33	-9	WSW	8	c	5	.	.	.	.	.	.	.
	Seydisfjord ...	29.05	51	SSW	4	b	29.03	-0.01	38	+1	SSW	5	b	.	.	.	.	.	.	.	.
SCANDINAVIA.	Thorshavn ...	29.62	46	W	7	r	29.47	0.00	42	-3	WNW	6	r	.	.	.	.	.	.	.	.
	Haparanda ...	29.50	2	N	2	b	29.55	+0.01	5	-5	N	2	o	.	.	10	-4	.	.	.	.
	Hernösand ...	29.47	27	.	0	c	29.51	-0.02	27	-1	.	0	o	.	.	28	23	.	.	.	.
	Stockholm ...	29.41	31	NW	4	o	29.63	+0.04	26	-9	W	2	b	.	.	26	23	.	.	.	.
	Wisby ...	29.38	37	N	3	bc	29.67	+0.09	36	-5	N	4	c	.	0.04	43	34	.	.	.	.
GERMANY, &c.	Karlstad ...	29.52	29	.	0	b	29.68	+0.02	24	-7	.	0	b	.	.	36	21	.	.	.	.
	Vardö ...	29.66	28	NE	2	bc	29.50	0.00	24	-2	W	2	bc	2	?	30	23	.	.	.	.
	Bodö ...	29.27	28	E	6	o	29.28	-0.02	28	-1	E	5	o	2	?	29	27	.	.	.	.
	Christiansund ...	29.50	42	NW	2	c	29.43	-0.06	44	+	SW	5	r	5	0.39	45	37	.	.	.	.
	Skudesnaes ...	29.69	43	NW	4	c	29.75	-0.01	46	+4	NW	6	c	3	0.12	46	41	.	.	.	.
FRANCE.	Færder (X'lantia Fjord)	29.53	40	NW	2	b	29.66	+0.01	40	-4	SSW	2	c	3	.	45	39	.	.	.	.
	The Scaw (Skagen)...	29.54	45	NNW	4	b	29.71	+0.03	41	-4	W	1	c	0	.	46	39	.	.	.	.
	Blaavands Huk ...	29.75	46	W	5	o	29.86	+0.05	46	0	NW	3	o	3	Trace	46	43	.	.	.	.
	Cuxhaven ...	29.74	45	NW	4	bc	29.89	+0.04	46	+2	NW	3	o	0	0.12	46	44	.	.	.	.
	Berlin ...	29.62	43	NW	5	c	29.85	+0.05	39	-5	W	3	o	.	0.12	48	39	.	.	.	.
SPAIN, PORTUGAL, &c.	Frankfurt ...	30.02	43	SW	2	r	30.06	+0.05	48	.	NW	1	o	.	0.04	48	43	.	.	.	.
	Munich ...	30.06	39	SW	6	o	30.06	+0.04	37	-3	SW	7	r	.	0.28	41	36	.	.	.	.
	The Helder ...	29.98	49	WNW	6	o	30.09	+0.03	48	0	W	2	o	2	0.04	50	48	.	.	.	.
	Brussels ...	30.13	46	WNW	2	o	30.18	+0.01	45	+4	WNW	2	o	.	Trace	46	40	.	.	.	.
	C. Gris Nez...	30.21	48	WNW	5	o	30.25	+0.03	46	-1	NW	4	o	4	.	50	45	.	.	.	.
PORTUGAL, &c.	La Hève ...	30.28	48	WNW	4	o	30.30	.	48	0	WNW	3	c	3	.	50	46	.	.	.	.
	Ushant...	30.42	52	N	4	c	30.39	.	50	-2	NW	3	c	5	0.32	54	45	.	.	.	.
	Brest (St. Mathieu) ...	30.44	50	NW	3	c	30.38	-0.01	50	-1	NW	3	o	5	.	55	48	.	.	.	.
	Lorient (Bec Melen)...	30.38	50	NNW	3	o	30.31	.	48	-1	NW	3	o	4	.	52	45	.	.	.	.
	Rochefort (Ile d'Als)	30.39	50	NNE	3	o	30.37	0.00	50	0	NNE	3	o	.	.	54	48	.	.	.	.
GERMANY, &c.	Biarritz ...	30.38	53	NE	3	o	30.36	0.00	47	-6	NE	3	o	5	0.04	55	46	.	.	.	.
	Paris ...	30.28	48	W	2	o	30.28	+0.01	47	+1	NW	2	o	.	.	50	45	.	.	.	.
	Belfort ...	30.25	40	W	4	o	30.25	.	40	-1	W	5	o	.	0.16	42	38	.	.	.	.
	Lyons ...	30.20	43	NW	3	o	30.31	.	43	+6	NW	2	o	.	.	45	37	.	.	.	.
	Nice ...	29.91	44	NE	1	c	29.89	+													

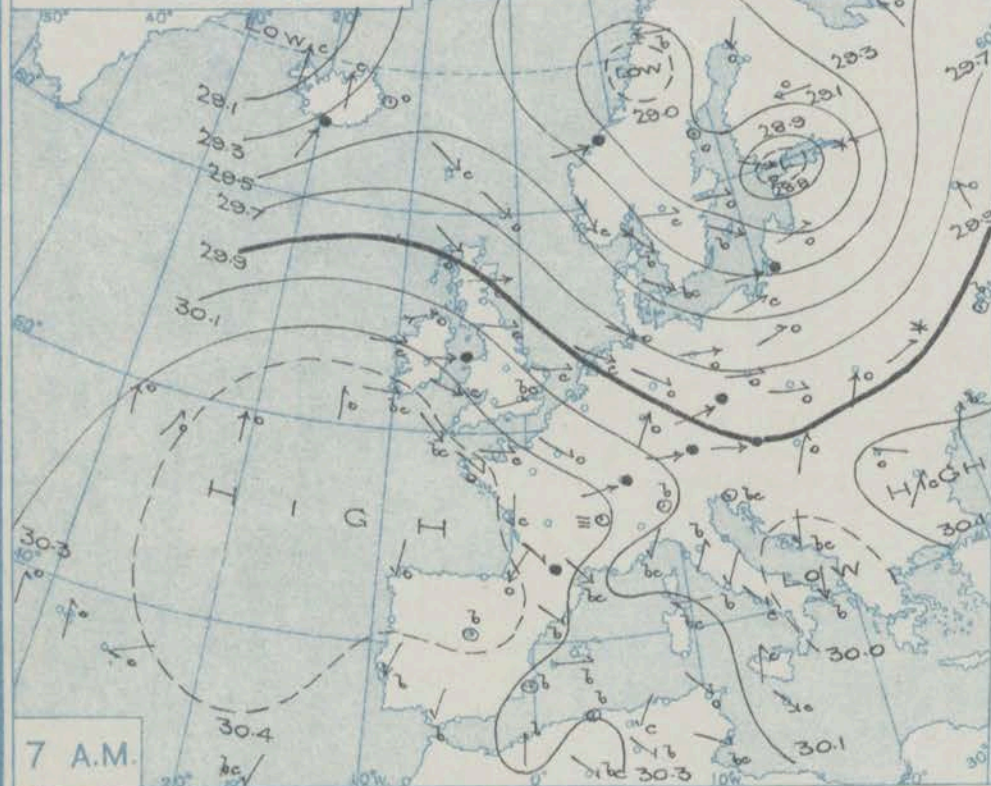
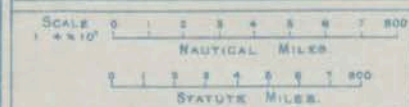
* Information for these columns not usually received.

† Received too late for insertion in Charts.

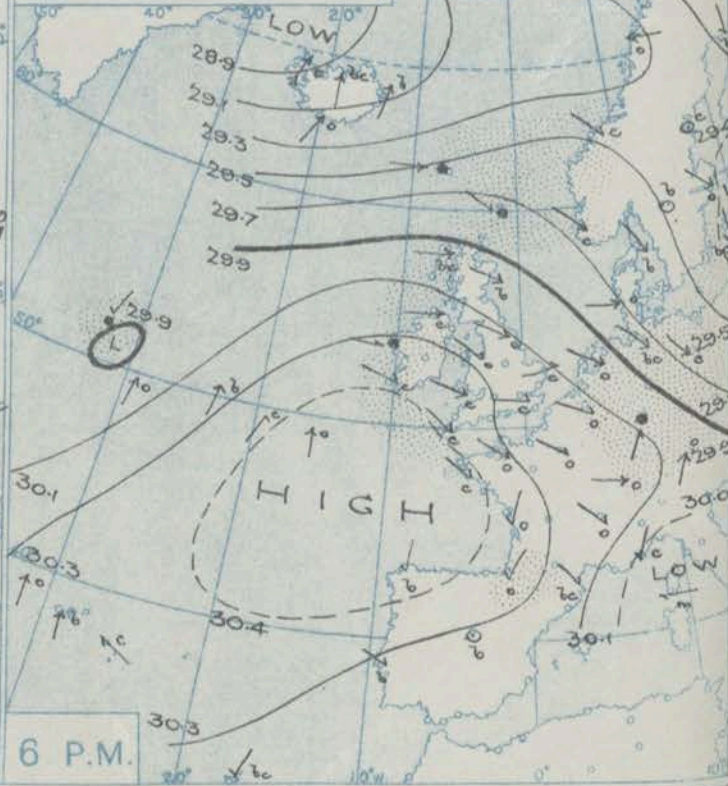
GALES.
Duration and Extreme Force
in British Islands.

Malin Head.
7h.-14h.

BAROMETER, WIND AND WEATHER FOR 7 A.M. AND 6 P.M. 10TH DECEMBER



NOTE.—On this chart the areas over which rain has fallen within the 24 hours from 7 a.m., are stippled.



GENERAL INFERENCE

There are no indications of any immediate change in the barometric situation, but according to a wireless report a depression of slight or moderate intensity exists some

WEATHER PROSPECTS.

distance to the westward of Ireland, and this may eventually affect the winds and weather over these Islands.

FORECASTS FOR THE 24 HOURS NOON THURSDAY

TO NOON FRIDAY.

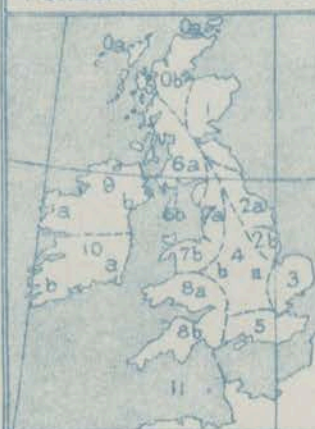
0 { Westerly and South-Westerly winds, fresh in places; mostly fair, but some showers locally; mild.

1 {
2 { a Wind mainly Westerly to South-Westerly, light or moderate;
b

3 { mostly fair, mist locally; rather mild.
4 { a
b

5

FORECAST DISTRICTS.



STORM WARNINGS.

The Coasts upon which the Warning Signals are at present displayed are indicated thus:—

Signale hoisted yesterday.	Signale hoisted this morning.
South Cone.	South Cone.
North Cone.	North Cone.

NO WARNINGS ISSUED.

6 { a Same as No. 0.
b

7 { a Westerly to South-Westerly winds, light to moderate or fresh; fair generally, but local showers;
b
8 { a mild.
b

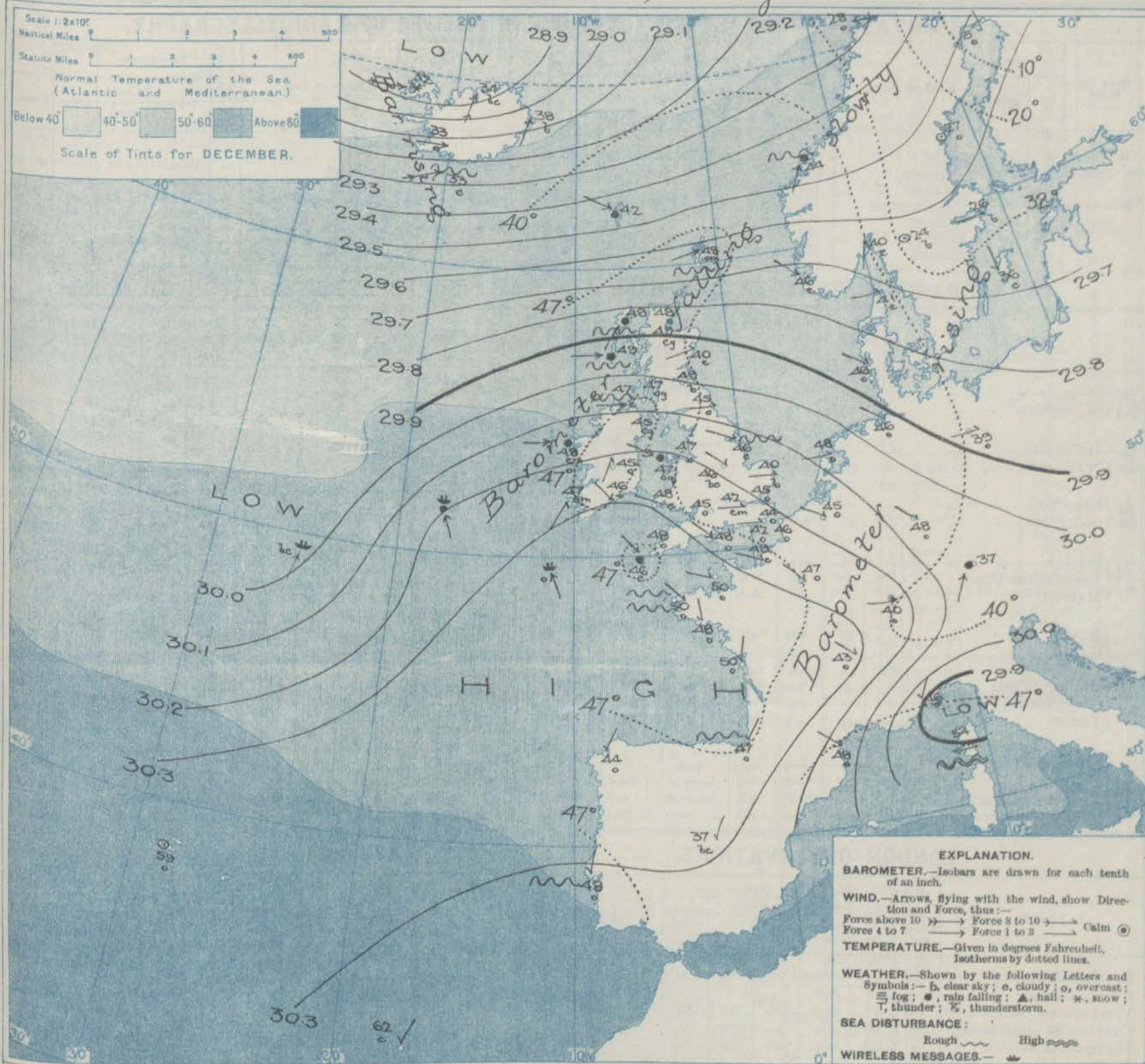
9 { a Wind backing to South-West or South, light to moderate or fresh;
b
10 { a cloudy or overcast, some showers locally; mild.
b

11 WESTERN CHANNEL AND BAY.

North-Westerly to South-Westerly winds, light or moderate; mostly fair, some mist; sea moderate or slight.

THE FURTHER OUTLOOK.

SYNOPTIC CHART FOR 7 A.M. *Thursday, 11th* DECEMBER 1913.



NOTES ON THE GENERAL SITUATION AT 7 A.M.

The barometer is below 28.9 in in a large depression travelling away north-eastward from Iceland, and above 30.3 in in a large anticyclone extending from beyond the Azores to the south-west of this country, France and the Bay Region. A wireless report shows that a depression is moving eastward on the Atlantic about mid-way between the Azores and Iceland.

Over the United Kingdom the wind varies between North-West & South-West, and is mostly light or moderate in force. At Stornoway, however, the South-Westerly wind is high. Over Iceland strong gales between West and South-West prevail. Temperature has undergone no important

change over these islands. The readings now range from 50° at Jersey, and 48° or 49° at several stations in the north-west, west and south-west to 40° at Aberdeen and Great Yarmouth. The weather is mostly fair to bright over the eastern half of the United Kingdom, cloudy or overcast farther west, with showers in a few localities. Rain is falling at Munich and Christiansund, and the weather at the Continental stations generally is cloudy or overcast.

DAILY WEATHER REPORT.

Thursday, 11th December, 1913.

OBSERVATIONS from the ATLANTIC OCEAN received by RADIOTELEGRAPHY.

DATE AND HOUR.	POSITION.		NAME OF SHIP.	O = Outward. H = Homeward.	BAROMETER.		WIND.		WEATHER.	DATE AND HOUR.	POSITION.		NAME OF SHIP.	O = Outward. H = Homeward.	BAROMETER.		WIND.		WEATHER.
	Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.			Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.	
11th Jan.	51	17	Baltic	H	30.21	-.03	SSE	4-5	r	10th. 6pm	49	16.	Finland.	H	30.45	-.01	S	4-5	o
11th Jan.	50	24	Virginian	H	29.97	-.03	SSW	4-5	bc	" 1pm	51	11	Canada	H	30.46	-.04	W	1-3	o
"	49	10	Finland	H	30.27	-.04	S	4-5	o	" 7am	49	29	Vaderland	H	30.23	-.07	S	6-7	o
10th 6pm	51	32	Scandinavian	H	29.91	-.01	NNE	1-3	r	"	49	27	Baltic	H	30.30	+.01	S	6-7	o
"	49	29	Virginian	H	29.97	+.03	SSW	6-7	o	"	48	25	Oceanic	H	30.38	+.05	SW	1-3	o
"	50	22	Baltic	H	30.31	-.00	SSW	4-5	b	"	49	20	Finland.	H	30.49	-.01	S	4-5	o
"	49	19	Oceanic	H	30.33	-.02	SW	1-3	c	"									

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

STATIONS.	Rainfall.	TEMPERATURE.		WEATHER.		Sunshine to 6 p.m.	STATIONS.	Rainfall.	TEMPERATURE.		WEATHER.		Sunshine to 6 p.m.
		Max.	Min.	Forenoon.	Afternoon.				Max.	Min.	Forenoon.	Afternoon.	
Scot. land.	In.	F.	F.	Opq.	o	Hr.	(Margate ...)	In.	F.	F.	c	c	0.0
{ Obar ...	0.03	49	44	o	"	0.0	{ Ramsgate ...	-	47	42	"	"	0.0
{ St. Andrews ...	-	51	42	"	"	0.0	{ Folkestone ...	0.02	47	42	bc.o	o.c.o	0.0
Eng. N.E.							{ Hythe ...						0.0
{ Harrogate ...	-	47	42	o.c	cq. bc	0.0	{ Littlestone ...						0.0
{ Scarborough ...	-	50	42	c. bc	c. b	0.0	{ Hastings ...		51	41	bc.o	o. bc.o	0.0
Eng. N.W.							{ Bexhill-on-Sea ...		51	41	o	o. bc.o	0.0
{ Blackpool ...	-	48	46	o	c	0.0	{ Eastbourne ...	0.01	53	47	o.c	o. c	0.0
{ Southport ...	-	48	46	o	o.c.o	0.0	{ Seaford ...		53	43	o	o	0.0
Mid-lands.							{ Brighton ...		48	43	o	o	0.0
{ Buxton ...	0.24	44	37	bc.r	cr	0.0	{ Worthing ...	0.01	48	42	o	o	0.0
{ Leamington Spa ...	-	48	42	o	o	0.0	{ Littlehampton ...						0.0
{ Malvern ...	-	51	43	bc	bc	0.5	{ Southsea ...		50	43	o	o	0.1
Wales.							{ Ryde ...		49	46	o	o	0.5
{ Rhyl ...	0.01	49	46	o	o	0.0	{ Ventnor ...		51	42	"	"	0.4
{ Colwyn Bay ...	-	49	45	o	o	0.0	{ Bournemouth ...		49	41	c.o	o	1.3
{ Llandudno ...	-	48	46	o	o	0.0	{ Weymouth ...		51	43	bc	bc	0.0
{ Bettws-y-Coed ...	0.05	56	46	o	o	0.0	{ Exmouth ...		54	45	o	c. bc.d	0.0
{ Aberystwyth ...	-	50	48	o.c.o	o.c.o	0.0	{ Teignmouth ...		50	44	c	c. bc	0.0
{ Tenby ...	0.01	43	45	o	o	0.0	{ Torquay ...		52	43	o	o.c. bc	0.2
England, E.							{ Paignton ...		51	44	o. bc	bc	0.0
{ Lowestoft ...	-	49	41	c.o	o.c	0.0	{ Falmouth ...	0.01	51	47	c.o	o.c	1.0
{ Felixstowe ...	0.02	48	43	cm.o	m.o.c	0.0	{ Bude ...		52	49	odq	o.c	0.0
{ Walton-on-Naze ...	0.01	48	42	bc.c.o	o.c	0.0	{ Ilfracombe ...	0.09	51	48	o	o	0.0
{ Southend-on-Sea ...	0.03	50	43	o	o	0.0	{ Weston-super-Mare ...		49	45	c. bc	bc.c	0.5

LONDON OBSERVATIONS.

Additional Observations for Yesterday.

STATIONS.	HUMIDITY.		Sun- shine for Yester- day.	TEMPERATURE.			Rain- fall.	WEATHER.			STATIONS.	RAIN- FALL.	TEMPERATURE.			WEATHER.			Sun- shine for Yester- day.			
	3 p.m. Yester- day.	9 a.m. To- day.		In Screen.		Min. on Grass.		Fore- noon.	After- noon.	Night.			In Screen.	Night Min. on Grass.	Night.	Fore- noon.	After- noon.					
				Max.	Min.													Max.		Min.		
24 HOURS ENDED 9 A.M. TO-DAY.																						
	%	%	Hr.	F.°	F.°	F.°	In.							F.°	F.°	F.°				Hr.		
Greenwich (Royal Obs.)...	74	86	0.0	49	39	29	—	0	0	0 bc. 0				In.	48	43	41	bc.	c	c		
City (Bunhill Row) ...	*	*	0.0	*	*	*	*	*	*	*				*	*	*	*	*	*	*		
Westminster (St. James's Pk.)	86	92	0.0	50	40	35	—	0 bc	bc	0. am												
Camden Sq. (Brit. Rainfall)	78	88	0.0	50	39	34	—	0	0	*												
Hampstead (Reservoir) ...	*	93	0.0	47	33	24	—	0	0.	c. o. c. f.				Trace	49	46	*	bc. 0	0	or. 0	0.0	
Richmond Park ...	*	*	0.0																			
Kew. (See front page.)				VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.																		
				Total.		Average Rate.		Max. Rate.														
S. Kensington (Roof of M.O.)	78	91	0.0	88	Joules.	3.1	Milliwatts.	7	Milliwatts.					S. Kensington (Museum Grounds to 6 p.m.)	Trace	53	43	34	am	o. agm	o. am	*

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM TO-DAY AND TO-MORROW

11th/12th Dec., 1913.	Sunrise.	Noon.	Sunset.
Yarmouth ...	G.M.T. 7.36 7.57	G.M.T. 11.46 11.47	G.M.T. 3.37 3.36
Greenwich ...	7.57 7.58	11.53 11.54	3.49 3.49
Wick ...	8.54 8.55	12.5 12.6	3.16 3.16
Valencia ...	8.41 8.42	12.34 12.35	4.27 4.27

During yesterday temperature rose to about 50° in several parts of the Kingdom. Scarcely any bright sunshine was recorded except at Bath, where the record was 2.6 hours. Slight rain fell in most parts of Ireland and at some stations in the extreme west and north of Great Britain. According to wireless reports a light to fresh or strong Southerly wind prevailed as far west as the 30th meridian.

NOTE.—The information relating to weather is indicated by the following letters—b. blue sky; bc. sky half clouded; c. sky three parts clouded; d. drizzling rain; e. wet air, without rain falling; f. fog; g. gloom; h. hail; l. lightning; m. mist; o. overcast sky; p. passing showers; q. squalls; r. rain; s. snow; t. thunder; u. ugly, threatening sky; v. visibility, unusual transparency; w. dew; x. hoar frost; z. dust, haze, or smoke.

The Daily Weather Report is sent free by post to any address in the United Kingdom on payment of £1 per annum, for postage and wrappers.

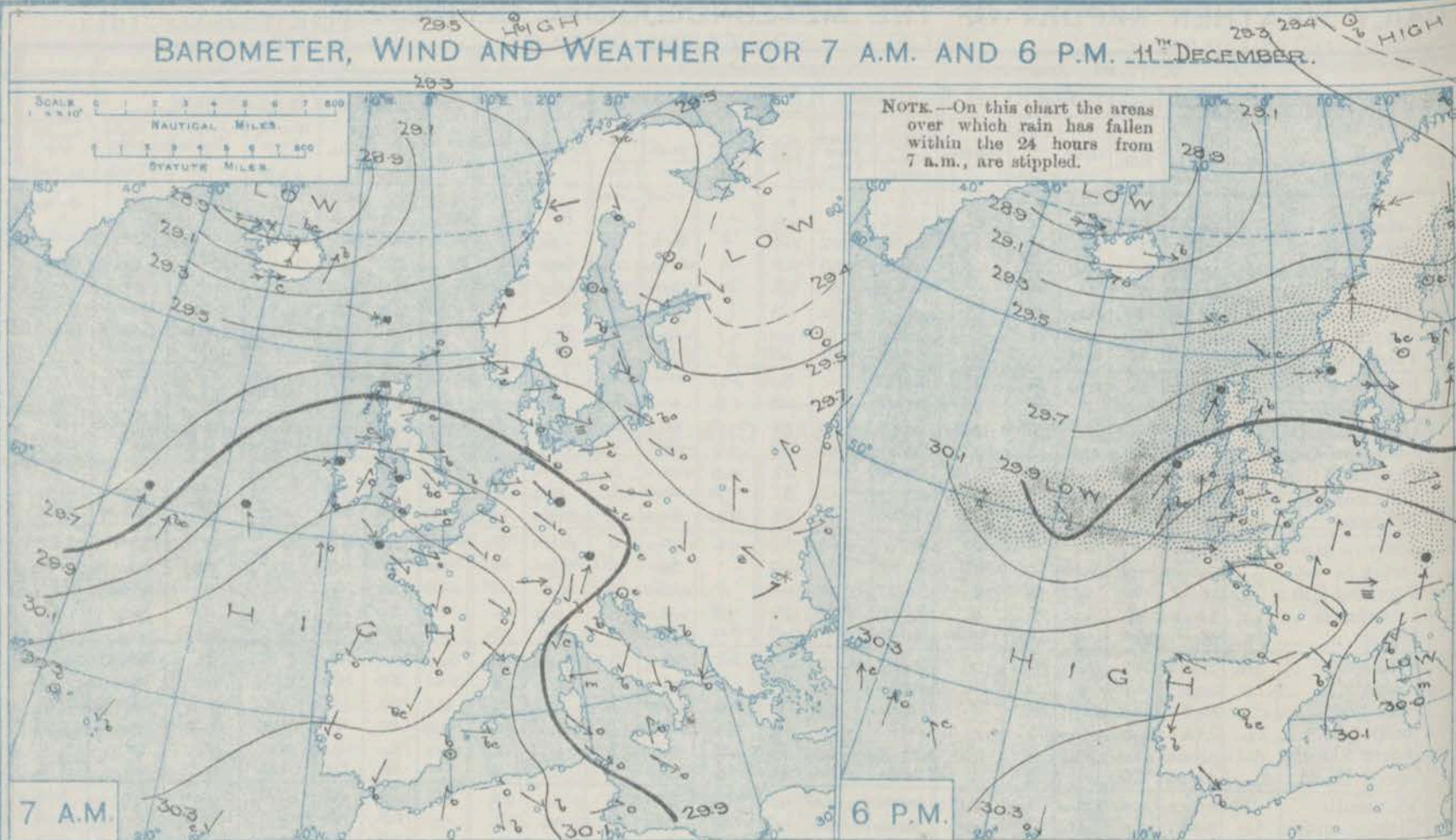
1913.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

Friday,
12th December, 1913.

STATIONS.	YESTERDAY EVENING.						THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.							Sun- shine for Yester- day.
	BAROM.		TEMP.		WIND.	Weather	BAROMETER.		TEMP.		WIND.	Force (0 to 12).	Weather.	Sea (0 to 9).	Rain fall.	TEMP.		WEATHER.						
	At 32° F. and M.S.L. Lat. 45°.	Dry Bulb.	Force (0 to 12).	At 32° F. and M.S.L. Lat. 45°.			Change since 4 a.m.	Dry Bulb.	Change since Yester- day.	Dir.						Max.	Min.	Morning 7 a.m. to 1 p.m.	Afternoon 1 p.m. to 6 p.m.	Night 6 p.m. to 7 a.m.				
BRITISH ISLANDS.																								
Lerwick ...	29.63	48	WNW	2	c	29.26	-11	49	+1	S	3	or	3	0.24	49	46	cp	c	opm.or	*				
Stornoway ...	29.77	47	SW	4	odp	29.34	-02	48	0	SW	6	opq	5	0.18	49	47	pd.qp	odq.p	opq	0.0				
Castlebay (Barra Isd.)	29.86	48	SW	4	op	29.49	+03	48	-1	WNW	4	op	5	0.04	51	48	o.cp	op	op	0.0				
Glasgow ...	29.94	46	SW	4	c	29.58	-04	48	+1	WSW	4	odg	4	0.13	48	45	op	o.c	odpq	0.1				
Malin Head...	29.89	47	WSW	5	o	29.60	+02	48	+1	W	8	o	6	0.05	49	47	cg.p	om	opq	*				
Blacksod Point	29.91	49	SW	4	cmdp	29.38	+10	49	+1	WSW	5	ag	4	0.06	51	45	cm.p	cm.p	cm.pq	*				
Valencia ...	30.07	50	SW	3	bc	30.05	+03	48	+1	WNW	5	o	4	0.14	52	46	cm.d	cm.p	cm	0.0				
ICELAND, FAEROE, &c.																								
Roche's Point ...	30.12	50	SW	4	d	30.00	*	50	+4	WNW	2	bc	3	0.04	53	46	om.d	df	d.o.c	*				
Birr Castle ...	30.04	49	S	1	o	29.90	*	48	+3	W	3	c	3	-	52	44	c	om	cp	0.1				
Donaghadee ...	30.00	47	W	2	cm	29.68	-04	50	+5	W	3	bc	3	0.06	50	45	c	cm.d	om.p.bc	*				
Liverpool Obsy. ...	30.10	45	W	3	c	29.79	-06	53	+6	WSW	5	bcq	4	-	54	44	ag	o	o.c	0.1				
Holyhead ...	30.13	47	SW	2	omg	29.86	00	52	+5	WSW	3	om	3	0.04	52	46	c.om.c	c.ag.om	cm.o	0.1				
Pembroke (St. Ann's Hd.)	30.16	50	WSW	5	o	29.97	-02	52	+4	WSW	6	cgq	6	0.10	47	47	c	cv	adm	0.0				
Newquay ...	30.24	47	NW	3	o	30.09	?	52	+4	SW	4	odf	4	0.09	52	46	o	od	c.od.rf	0.8				
SCANDINAVIA.																								
Scilly (St. Mary's) ...	30.24	47	W	4	o	30.11	-02	52	+6	WSW	6	adm	5	0.02	53	45	c	o	op.om	0.0				
Jersey (St. Aubin) ...	30.29	49	W	3	og	30.21	*	49	-1	SW	5	ogm	4	Trace	51	47	ag	og	cpd.op	0.0				
Portland Bill ...	30.21	49	W	3	c	30.07	-02	48	0	WSW	5	cd	4	0.01	50	47	o.c	c	o.cpd	*				
Dungeness ...	30.21	46	W	2	o	30.08	-03	50	+8	WSW	5	ou	4	-	50	41	og	og	og	*				
Dover ...	30.19	40	W	2	bcx	30.04	*	48	+4	SW	4	oe	3	-	48	39	c	c.be	x.be.c	1.3				
Wick ...	29.76	47	SW	3	bc	29.32	-08	47	-1	SSW	3	cpdq	4	Trace	49	43	c.be	bc	bc.cq	*				
Nairn ...	29.82	46	W	2	bc	29.36	*	49	0	W	3	c	3	0.01	50	44	bc	bc	bc.c	1.3				
Aberdeen ...	29.83	45	SW	4	b	29.44	-09	48	+8	SSW	3	b	2	-	52	40	c.be	bc.b	b.bq	2.7				
Leith ...	29.91	48	WSW	3	c	29.50	-10	52	+4	WSW	3	c	2	Trace	52	47	c.be	o.c	o.c	*				
North Shields ...	30.04	45	WSW	3	c	29.63	-03	50	+5	SW	3	o	2	0.01	50	44	c	c	or.c	*				
Spurn Head ...	30.08	46	W	3	c	29.81	-05	46	0	SW	5	c	4	-	47	41	bc.m	c	c	2.2				
Yarmouth ...	30.13	44	WSW	1	om	29.95	-03	45	+5	SW	3	c	1	-	48	40	bm	c.om	bc.c	5.0				
Clacton-on-Sea ...	30.17	43	WSW	2	cm	30.02	-03	46	+1	SW	3	og	2	-	48	43	o.be.b	b.be.cm	cm.og	3.0				
Nottingham...	30.14	45	WSW	2	c	29.87	*	48	+2	SW	4	o	*	-	48	42	bc.o.c	c	c.o.b	0.0				
Bath ...	30.21	47	W	3	o	30.01	*	51	+6	SW	5	o	*	-	52	45	o	o	odq	0.0				
London (Kew Obsy.)...	30.21	46	SW	2	o	30.03	-04	48	+6	SW	3	o	*	-	48	42	cm.om	om.o	o	0.0				
ICELAND, FAEROE, &c.																								
Spitzbergen ...	29.47	3	-	0	b	29.47	+02	0	-2	-	0	b	*	-	3	-20	GALES. Duration and Extreme Force in British Islands <u>Malin Head</u> W. 8 since 2 a.m.							
Isafjord...	28.82	32	W	9	o	28.85	+03	32	0	W	10	o	*	-	*	*								
Reykjavik ...	29.18	35	W	6	o	29.15	+02	34	+1	W	7	c	*	-	*	*								
Vestmanna ...	29.23	35	WSW	6	o	29.24	+09	34	+1	W	7	b	2	-	*	*								
Seydisfjord ...	29.06	39	W	6	b	29.09	+02	34	-4	W	1	b	*	-	*	*								
Thorshavn ...	29.49	41	WSW	3	c	29.09	-08	41	-1	N	3	r	*	-	*	*								
SCANDINAVIA.																								
Haparanda ...	29.46	13	NE	2	o	29.35	-03	16	+11	SE	4	s	*	0.04	16	5	GALES. Duration and Extreme Force in British Islands <u>Malin Head</u> W. 8 since 2 a.m.							
Hernösand ...	29.39	34	-	0	c	29.50	00	30	+3	-	0	c	*	Trace	36	23								
Stockholm ...	29.54	33	SW	2	b	29.58	+01	32	+6	WSW	2	o	*	-	34	26								
Wisby ...	29.63	39	SW	4	c	29.63	+01	41	+5	W	2	c	*	-	41	30								
Karlstad ...	29.58	27	-	0	bc	29.59	+02	25	+1	-	0	bc	*	-	36	20								
Vardö ...	29.38	18	-	0	b	29.25	-08	22	-2	SW	6	o	2	-	24	18	GALES. Duration and Extreme Force in British Islands <u>Malin Head</u> W. 8 since 2 a.m.							
Bodö ...	29.19	30	E	4	s	29.26	00	36	+8	SW	4	c	2	-	36	25								
Christiansund ...	29.52	44	SW	4	s	29.40	-06	42	-2	-	0	r	5	0.28	45	41								
Skudesnaes ..	29.78	48	W	6	r	29.55	-04	47	+1	SSW	4	o	4	0.20	48	46								
Færder (X'iania Fjord)	29.59	44	WSW	2	c	29.55	-03	44	+4	W	2	o	3	-	45	39								
The Scaw (Skagen)...	29.69	41	WNW	8	o	29.63	-01	47	+6	W	5	o	0	-	47	39	GALES. Duration and Extreme Force in British Islands <u>Malin Head</u> W. 8 since 2 a.m.							
Blaavands Huk ...	29.91	46	WNW	3	b	29.80	-07	46	0	W	3	o	2	Trace	46	45								
GERMANY, &c.																								
Cuxhaven ...	29.99	47	W	2	o	29.91	-01	45	-1	SW	3	o	0	-	48	45	GALES. Duration and Extreme Force in British Islands <u>Malin Head</u> W. 8 since 2 a.m.							
Berlin ...	29.96	44	W	3	o	29.97	-01	45	+6	W	4	o	*	Trace	46	39								
Frankfurt ...	30.17	46	SW	1	o	30.15	00	43	-5	SW	3	m	*	-	48	43								
Munich ...	30.21	39	SW	4	r	30.24	+01	39	+2	SW	2	o	*	0.43	39	36								
The Helder ...	30.10	47	W	2	o	29.95	-04	47	-1	SW	4	o	3	-	48	46								
Brussels ...	30.19	43	SW	1	o	30.11	-03	44	-1	SW	2	o	*	-	45	41	GALES. Duration and Extreme Force in British Islands <u>Malin Head</u> W. 8 since 2 a.m.							
FRANCE.																								
C. Gris Nez...	30.20	47	WNW	4	o	30.07	-04	50	+4	WSW	5	r	4	-	50	45	GALES. Duration and Extreme Force in British Islands <u>Malin Head</u> W. 8 since 2 a.m.							
La Hève ...	30.25	48	WNW	3	o	30.19	*	47	-1	SW	5	o	4	-	52	43								
Ushant...	30.31	52	NW	3	o	30.23	*	52	+2	SW	4	o	5	0.04	52	45								
Brest (St. Mathieu) ...	30.34	48	NW	3	o	30.26	-01	51	+1	WSW	3	o	3	-	54	48								
Lorient (Bec Melen)...	?	49	NW	3	o	30.24	*	50	+2	W	3	o	3	-	55	48								
Rochefort (Ile d'Aix) ...	30.34	50	N	3	o	30.32	+01	47	-3	NNE	3	o	0	-	52	46	GALES. Duration and Extreme Force in British Islands <u>Malin Head</u> W. 8 since 2 a.m.							
Biarritz ...	30.34	48	ENE	2	o	30.32	+01	47	0	E	2	o	7	-	50	39								
SPAIN, PORTUGAL, &c.																								
Corunna (8 a.m.) ...	30.33	54	ESE	3	c	30.31	00	51	+7	NNE	3	o	3	-	55	44	GALES. Duration and Extreme Force in British Islands <u>Malin Head</u> W. 8 since 2 a.m.							
Lisbon (8 a.m.) ...	30.23	53	NNE	4	b	30.21	+02	50	+2	N	2	b	-	57	43									
Gibraltar ...	30.18	56	NW	5	b	30.18	*	54	*	NW	3	bcw	2	-	64	54								
Azores (Horta, 8 a.m.)	30.38	*	S	4	o	30.37	+01	59	0	-	0	o	2	-	66	58								
Madeira (Funchal) ...	30.25	62	N	2	o	30.25	+01	60	-2	N	2	o	2	-	72	57								

BAROMETER, WIND AND WEATHER FOR 7 A.M. AND 6 P.M. 11TH DECEMBER.



GENERAL INFERENCE

WEATHER PROSPECTS.

The pressure distribution will continue favourable for winds from the Westward at present, and

local pressure irregularities may be expected to cause showers in different parts of the Kingdom.

FORECASTS FOR THE 24 HOURS NOON

FRIDAY

TO NOON SATURDAY.

0 {
a
b
1
2 {
a
b
3
4 {
a
b
5

Wind veering to the Westward, fresh or strong to moderate; changeable, some rain; temperature falling somewhat.

South-Westerly to Westerly winds, moderate or fresh to light; some showers locally, otherwise fair or cloudy; temperature continuing above the normal.

FORECAST DISTRICTS.



STORM WARNINGS.

The Coasts upon which the Warning Signals are at present displayed are indicated thus:—

Signals hoisted yesterday.	Signals hoisted this morning.
South Cone.	South Cone.
North Cone.	North Cone.

South Cone hoisted yesterday afternoon at 4.40 in Districts 0, 6, 7, 8(a), 9 and 10.

6 {
a
b
7 {
a
b
8 {
a
b
9 {
a
b
10 {
a
b

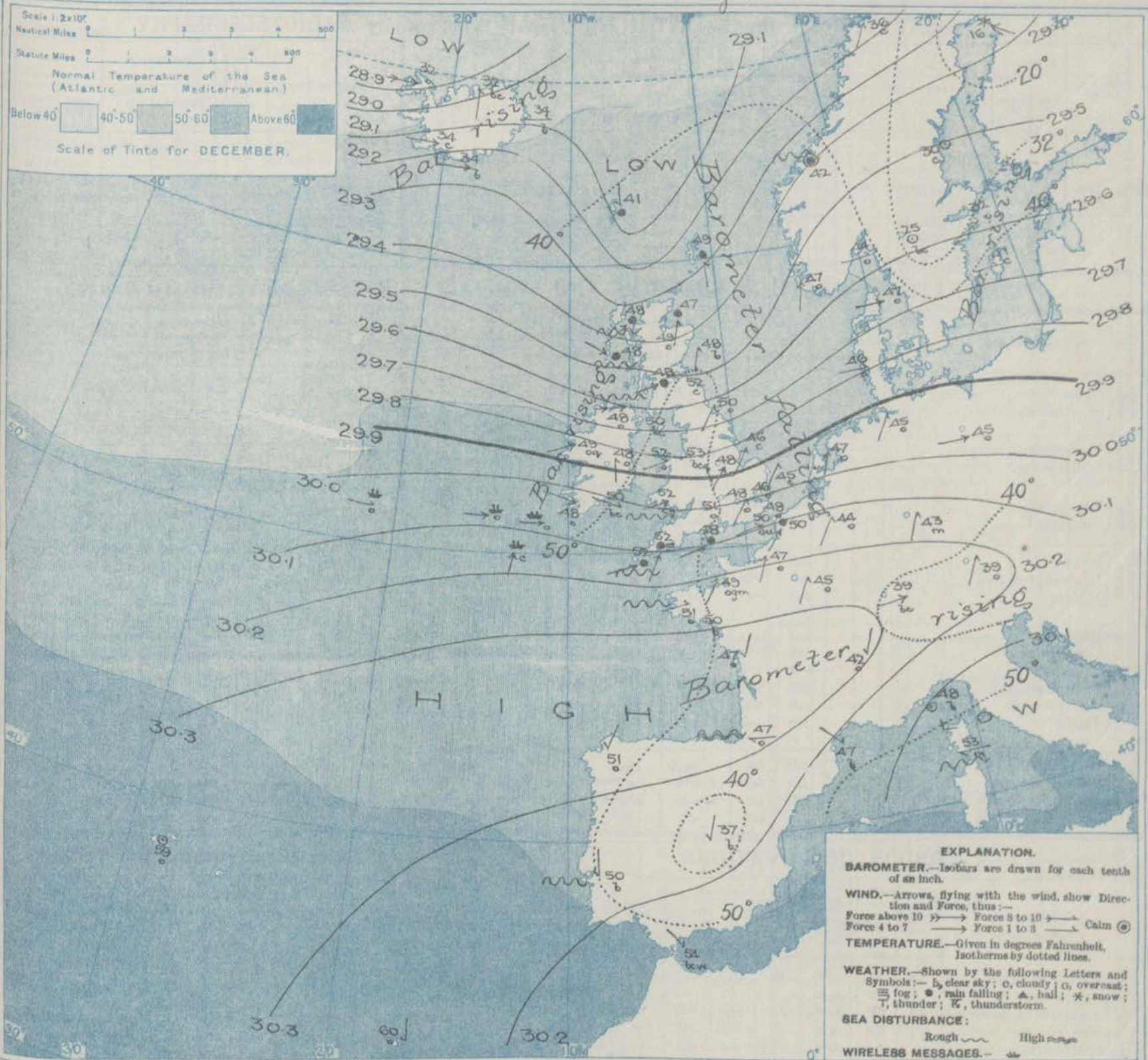
Wind mainly Westerly, moderate or fresh, strong in places, backing later; changeable, some showers, considerable fair intervals; temperature above the normal.

11 WESTERN CHANNEL AND BAY.

Westerly winds, strong to moderate; sea rather tough; some showers and mist, otherwise fair generally.

THE FURTHER OUTLOOK.

SYNOPTIC CHART FOR 7 A.M. *Friday, 12th* DECEMBER 1913.



NOTES ON THE GENERAL SITUATION AT 7 A.M.

The barometer is below 28.9 in. in the north-west of Iceland, and below 29.1 in. at Thorshavn, while the readings increase to 30.1 in. at the Scilly Isles, and to above 30.3 in. in an anticyclone extending from beyond the Azores to Central France.

Over the United Kingdom the wind is mainly Westerly in the most western districts, and South-Westerly elsewhere. It blows a gale at Malin Head and is fresh or strong in many other exposed places. Strong winds or gales from the Westward are reported on the west coast of Iceland. According to wireless reports a light to strong Westerly breeze prevails on the

Atlantic as far west as the 21st meridian. Temperature has risen in these islands, and now ranges from 53° at Liverpool, and 52° on our south west coasts to 45° at Great Yarmouth. In most parts of France and Germany the readings are rather lower than in this country. Hard frost prevails in the north of Sweden, and at Spitzbergen the thermometer stands at zero. Rain is falling at some places in the north and south-west of the United Kingdom, as well as at Cape Gris Nez and Christiansund. Over these islands generally the sky is cloudy or overcast, and much cloud is also reported on the Continent.

DAILY WEATHER REPORT.

Friday, 12th December, 1913.

OBSERVATIONS from the ATLANTIC OCEAN received by RADIOTELEGRAPHY.

DATE AND HOUR.	POSITION.		NAME OF SHIP.	Outward, O Homeward, H	BAROMETER.		WIND.		WEATHER.	DATE AND HOUR.	POSITION.		NAME OF SHIP.	Outward, O Homeward, H	BAROMETER.		WIND.		WEATHER.
	Lat. N.	Long. W.			Reading.	Change in 3 hours.	Direc.	Force.			Lat. N.	Long. W.			Reading.	Change in 3 hours.	Direc.	Force.	
12th 7am.	51	21	Megantic	H	30.01	.00	W	1-3	o	11th 6pm	50	27	Megantic	H	30.07	.00	W	1-3	c
"	51	14	Coriscan	O	30.07	+0.06	W	6-7	o	"	50	19	Virginian	H	29.85	.00	WNW	4-5	c
"	50	13	Virginian	H	30.17	+0.02	SSW	4-5	c	"	52	27	Scandinavia	H	29.77	-.05	SSW	4-5	r
"	51	12	Merion	O	30.03	+0.11	WNW	6-7	o										
"	49° 35' N. 40°		H.M.S.	H	30.14	-.06	WNW	3	o										
Dry Bulb 54°. Wet bulb 53°. Sea Temp. 56°. Sea Disturbance 2.																			

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.	STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.
			Max.	Min.	Forenoon.	Afternoon.					Max.	Min.	Forenoon.	Afternoon.	
Scot- land.	{ Oban	0.05	49	46	org. o	o	0.0	{ Margate	1	48	44	c. bc	bc. c	0.8	
	{ St. Andrews				"	"			{ Ramsgate	1	47	42	"	"	1.5
Eng. N.E.	{ Harrogate	-	47	42	c. bc	bc. c	0.5	{ Folkestone	1	46	40	o. c	bc. b	0.7	
	{ Scarborough	"	50	42	bc	bc	3.6		{ Hythe						
Eng. N.W.	{ Blackpool	1	48	46	o	o	0.0	{ Littlestone	"	"	"	"	"	0.0	
	{ Southport	1	47	46	o	o	0.0		{ Hastings	1	45	37	o	o	0.0
Mid- lands.	{ Buxton	1	45	40	bc	bc	0.0	{ Bexhill-on-Sea	1	46	38	o	o	0.0	
	{ Leamington Spa	1	48	43	o	o	0.0		{ Eastbourne	1	48	40	o. c	o. c	0.0
Wales.	{ Malvern	1	49	44	bc	bc. b	1.3	{ Seaford	1	53	41	o	o	0.0	
	{ Rhyl	1	49	44			1.3		{ Brighton	1	47	40	om. o	o	0.0
England, E.	{ Colwyn Bay	1	49	45	bc. b	b. bc	2.8	{ Worthing	1	46	37	o	o	0.0	
	{ Llandudno	1	49	46	o.	o. c	0.4		{ Littlehampton	1	"	"	"	"	0.0
England, E.	{ Bettws-y-Coed	1	50	45	og	co	1.8	{ Southsea	1	47	40	o	o	0.0	
	{ Aberystwyth	1	48	46	c. o	o. or	0.0		{ Ryde	1	49	46	o	o	0.0
England, E.	{ Tenby	1	47	42	o. c	c. od	0.0	{ Ventnor	1	50	40	"	"	0.0	
	{ Lowestoft	1	49	39	c. bc. b	bc	4.6		{ Bournemouth	1	47	43	o	o	0.0
England, E.	{ Felixstowe	1	49	40	c. bc. m	pc. cm	3.2	{ Weymouth	1	48	45	c. o	o	0.0	
	{ Walton-on-Naze	1	48	40	cm. bc	bc. cm	3.2		{ Exmouth	1	52	45	o	o	0.0
England, E.	{ Southend-on-Sea	1	46	40	o	o	0.0	{ Teignmouth	1	49	47	c	c	0.0	
									{ Torquay	1	49	43	o	o	0.0
England, E.								{ Paignton	1	48	39	c	c	0.0	
									{ Falmouth	1	50	46	c. o	o	1.3
England, E.								{ Bude	0.01	50	46	ode	o. bc. dp	0.2	
									{ Ilfracombe	0.02	49	46	o	o. cpc	0.0
England, E.								{ Weston-super-Mare	-	49	45	bc. c	cv	0.0	

LONDON OBSERVATIONS.

Additional Observations for Yesterday.

LONDON OBSERVATIONS.												METEOROLOGICAL OBSERVATIONS.											
STATIONS.		HUMIDITY.		Sun- shine for Yester- day.	TEMPERATURE.			Rain- fall.	WEATHER.			STATIONS.	RAIN- FALL.	TEMPERATURE.			WEATHER.			Sun- shine for Yester- day.			
		3 p.m. Yester- day.	2 a.m. To- day.		In Screen.		Min. on Grass.							In.	Fore- noon.	After- noon.					Night.	In Screen.	
					Max.	Min.	Max.		Min.														
					24 HOURS ENDED 9 A.M. TO-DAY.																		
		°C.		Hr.	F.	F.	F.	In.						In.	F.	F.	F.				Hr.		
Greenwich (Royal Obs.) ...		75	84	0.0	51	44	42	-	o	o	o	Dublin to 4 p.m.		Trace	48	44	42	ad. c	c	c. b	*		
City (Bunhill Row) ...		"	"	0.0	"	"	"	"	"	"	"	Plymouth to 9 p.m.		"	49	46	45	c. b	o	o	0.0		
Westminster (St. James's Pk.)		98	91	0.0	52	44	43	-	bc	bc	o. b. o	Darwen "		0.02	45	42	41	bc. bc	ad. w	od	0.6		
Camden Sq. (Brit. Rainfall)		77	89	0.0	51	44	41	-	o	o	o	Manchester "		"	48	45	"	o	o	o	0.6		
Hampstead (Reservoir) ...		"	90	0.0	49	40	35	-	o. c. o	oe	c. o	Birmingham "		"	46	43	37	"	c. o	o	o		
Richmond Park ...		"	"	0.0	VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.							Oxford to 8 p.m.		"	48	40	34	com	om. c	o	o		
Kew, (See front page.)																							

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM TO-DAY AND TO-MORROW

12th & 13th Nov. 1913.	Sunrise.	Noon.	Sunset.
Yarmouth	G.M.T. 7.57 7.58	G.M.T. 11.47 11.47	G.M.T. 3.36 3.36
Greenwich	7.58 7.59	11.54 11.54	3.49 3.49
Wick	8.55 8.56	12.6 12.6	3.16 3.16
Valencia	8.43 8.43	12.35 12.35	4.27 4.27

NOTES ON YESTERDAY'S WEATHER.

Rain, generally, slight, fell in the west and north, and except in the east of England there was very little bright sunshine. Great Yarmouth, however, reported 5 hours, and Lowestoft 4.6 hours. During the night temperature rose to above 50° in many parts of the Kingdom, touching 54° at Liverpool. Wireless reports show that light to moderate or fresh breezes between South-West and North-West prevailed on the Atlantic between the Irish coasts and the 26th meridian.

NOTE.—The information relating to weather is indicated by the following letters—b. blue sky; bc. sky half clouded; c. sky three parts clouded; d. drizzling rain; e. wet air, without rain falling; f. fog; g. gloom; h. hail; l. lightning; m. mist; o. overcast sky; p. passing showers; q. squalls; r. rain; s. snow; t. thunder; u. ugly, threatening sky; v. visibility, unusual transparency; w. dew; x. hoar frost; z. dust-haze, or smoke.

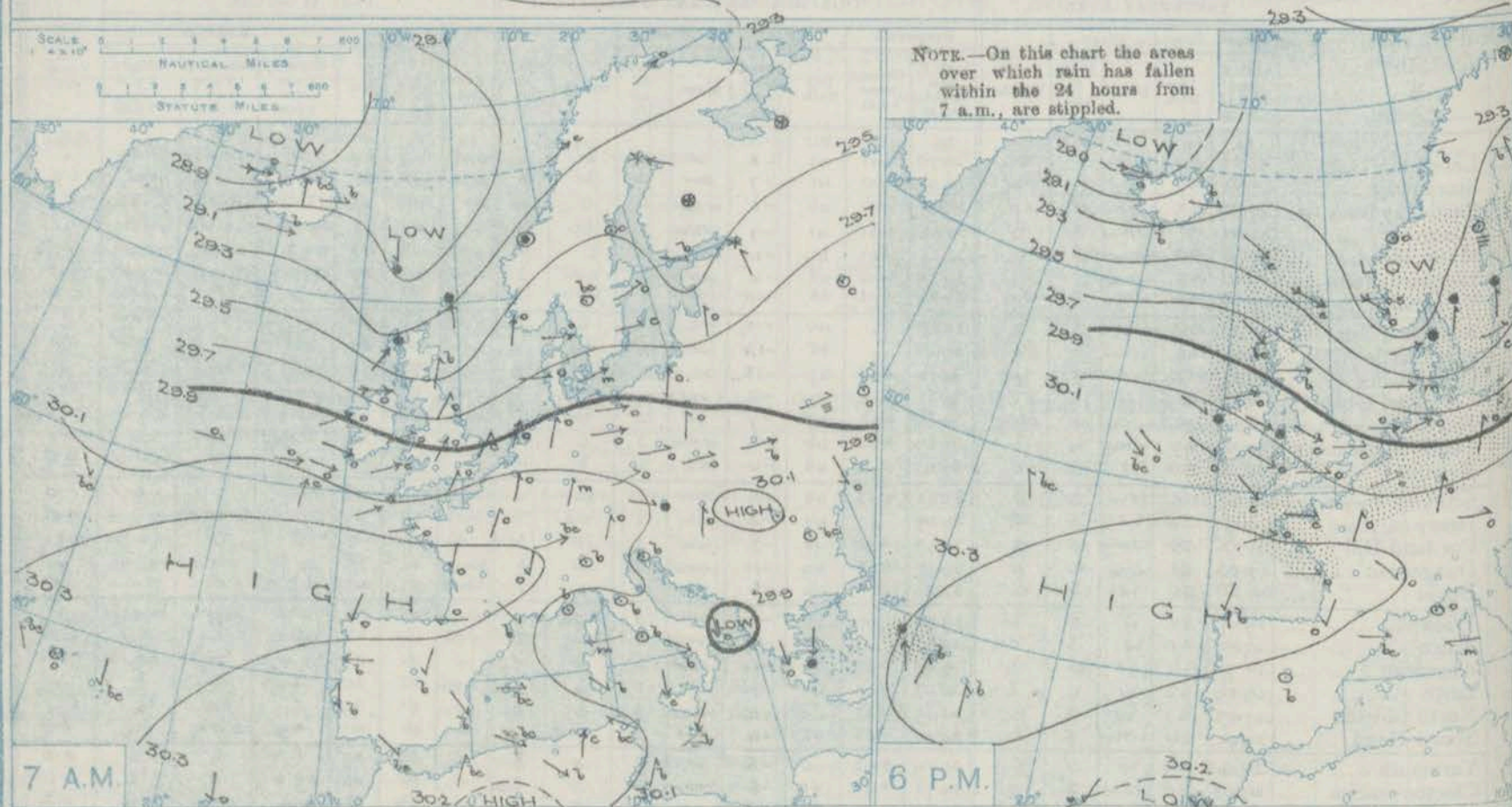
The Daily Weather Report is sent free by post to any address in the United Kingdom on payment of £1 per annum, for postage and wrappers.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

Saturday,
13th December, 1913.

STATIONS.		YESTERDAY EVENING.					THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.							Sun- shine for Yester- day.
		BAROM.		WIND.		Weather	BAROMETER.		TEMP.		WIND.		Weather.	Sea (0 to 9).	Rain fall.	TEMP.		WEATHER.						
		At 32° F. and M.S.L. Lat. 45°	Dry Bulb.	Dir.	Force (0 to 12).		At 32° F. and M.S.L. Lat. 45°	Change since 4 a.m.	Dry Bulb.	Change since Yester- day.	Dir.	Force (0 to 12).				Max.	Min.	Morning 7 a.m. to 1 p.m.	Afternoon 1 p.m. to 6 p.m.	Night. 6 p.m. to 7 a.m.				
		In. F.	F.	W.N.W.	8	c.g.	In. F.	In. F.	F.	W	4	b.c.	4	In. F.	F.	F.	c.o.r	c.g.p	b.c.p	Hours.				
Lerwick ...		29.46	43	WNW	8	c.g.	29.70	29.70	41	-8	W	4	b.c.	4	0.28	49	39	c.o.r <td>c.g.p<td>b.c.p<td>0.9</td></td></td>	c.g.p <td>b.c.p<td>0.9</td></td>	b.c.p <td>0.9</td>	0.9			
Stornoway ...		29.81	42	NW	6	b.c.g.	29.93	29.93	41	-7	SW	3	b.c.	3	0.24	48	39	c.g.p <td>b.c.g.p<td>b.c.p<td>1.1</td></td></td>	b.c.g.p <td>b.c.p<td>1.1</td></td>	b.c.p <td>1.1</td>	1.1			
Castlebay (Barra Isd.)		29.89	45	WNW	4	c.p.	30.05	30.05	46	-2	WNW	4	0	4	0.07	48	42	b.c.p <td>b.c.p<td>c.p.b.c<td>1.2</td></td></td>	b.c.p <td>c.p.b.c<td>1.2</td></td>	c.p.b.c <td>1.2</td>	1.2			
Glasgow ...		29.91	41	WNW	3	b	30.06	30.06	41	-7	WSW	3	b.c.	3	0.12	48	39	c.b.c.p <td>c.p.b.c<td>b.p.b.c<td>*</td></td></td>	c.p.b.c <td>b.p.b.c<td>*</td></td>	b.p.b.c <td>*</td>	*			
Malin Head...		29.98	44	WSW	6	o	30.13	30.13	44	-4	W	6	c	6	0.02	48	43	c.g.p <td>c.m.g<td>c.p<td>*</td></td></td>	c.m.g <td>c.p<td>*</td></td>	c.p <td>*</td>	*			
Blacksod Point		30.15	45	WNW	2	c.p.d	30.26	30.26	45	-4	WNW	3	c.m	3	0.05	49	39	c.m.p.d <td>c.m.p.d<td>c.p<td>*</td></td></td>	c.m.p.d <td>c.p<td>*</td></td>	c.p <td>*</td>	*			
Valencia ...		30.19	46	WNW	3	o.r	30.34	30.34	38	-10	N	1	b.c.	3	0.04	50	37	c.v <td>c.p<td>c.p<td>0.2</td></td></td>	c.p <td>c.p<td>0.2</td></td>	c.p <td>0.2</td>	0.2			
Roche's Point ...		30.20	49	WNW	3	c	30.34	30.34	40	-10	NE	1	b	2	0.01	50	40	b.c.c	c	b.c.w	*			
Birr Castle ...		30.13	43	WNW	1	c	30.28	30.28	35	-13	W	1	b.c.	*	-	48	34	b.c	c	b.c.x	0.3			
Donaghadee ...		30.02	42	W	3	b.c	30.16	30.16	37	-13	W	2	b	2	-	50	35	b.c.g	b.c	b.c.b	*			
Liverpool Obsy. ...		30.02	45	W	5	b	30.21	30.21	44	-9	W	4	b.c.	3	0.05	53	40	r.g.o	o.c	b.c	0.1			
Holyhead ...		30.07	48	WNW	4	o.g.g.	30.25	30.25	45	-7	W	2	b.c.	3	Trace	53	44	a.p.o.p <td>a.p.o.c.p<td>o.c.b.c<td>0.0</td></td></td>	a.p.o.c.p <td>o.c.b.c<td>0.0</td></td>	o.c.b.c <td>0.0</td>	0.0			
Pembroke (St. Ann's Hd.)		30.12	49	WNW	4	c	30.27	30.27	46	-6	WNW	3	c	3	0.01	53	46	c.g.g <td>c.p<td>c<td>0.0</td></td></td>	c.p <td>c<td>0.0</td></td>	c <td>0.0</td>	0.0			
Newquay ...		30.15	50	W	5	o	30.30	30.30	48	-4	NW	2	b	4	-	52	48	o	o	b.c.v.b.v <td>0.0</td>	0.0			
Scilly (St. Mary's) ...		30.19	50	NW	5	c	30.31	30.31	48	-4	NW	3	b.c.v <td>4</td> <td>0.02</td> <td>53</td> <td>46</td> <td>c.m.p<td>c<td>c<td>0.0</td></td></td></td>	4	0.02	53	46	c.m.p <td>c<td>c<td>0.0</td></td></td>	c <td>c<td>0.0</td></td>	c <td>0.0</td>	0.0			
Jersey (St. Aubin) ...		30.18	53	W	3	c	30.29	30.29	47	-2	NW	2	o.g <td>2</td> <td>0.07</td> <td>54</td> <td>47</td> <td>o.g<td>c.m.c.p<td>o.c.o<td>0.0</td></td></td></td>	2	0.07	54	47	o.g <td>c.m.c.p<td>o.c.o<td>0.0</td></td></td>	c.m.c.p <td>o.c.o<td>0.0</td></td>	o.c.o <td>0.0</td>	0.0			
Portland Bill ...		30.12	50	WNW	5	c	30.29	30.29	46	-2	NW	3	b <td>3</td> <td>-</td> <td>54</td> <td>45</td> <td>c<td>c<td>c.o.b.c<td>*</td></td></td></td>	3	-	54	45	c <td>c<td>c.o.b.c<td>*</td></td></td>	c <td>c.o.b.c<td>*</td></td>	c.o.b.c <td>*</td>	*			
Dungeness ...		30.03	51	WSW	4	o	30.19	30.19	39	-11	WNW	2	c <td>3</td> <td>Trace</td> <td>52</td> <td>38</td> <td>o.g.p<td>c.g.o<td>c.b.c<td>*</td></td></td></td>	3	Trace	52	38	o.g.p <td>c.g.o<td>c.b.c<td>*</td></td></td>	c.g.o <td>c.b.c<td>*</td></td>	c.b.c <td>*</td>	*			
Dover ...		30.04	50	W	3	c	30.20	30.20	42	-6	NW	4	c <td>2</td> <td>Trace</td> <td>52</td> <td>41</td> <td>d.o.c<td>o.c<td>c.o.c<td>0.0</td></td></td></td>	2	Trace	52	41	d.o.c <td>o.c<td>c.o.c<td>0.0</td></td></td>	o.c <td>c.o.c<td>0.0</td></td>	c.o.c <td>0.0</td>	0.0			
Wick ...		29.67	40	W	5	b.c	29.88	29.88	37	-10	W	3	c.p.g <td>5</td> <td>0.17</td> <td>48</td> <td>36</td> <td>c.p<td>b.c.p.m<td>b.c.p<td>*</td></td></td></td>	5	0.17	48	36	c.p <td>b.c.p.m<td>b.c.p<td>*</td></td></td>	b.c.p.m <td>b.c.p<td>*</td></td>	b.c.p <td>*</td>	*			
Nairn ...		29.80	40	W	3	c.u	29.95	29.95	40	-9	W	1	c.g <td>2</td> <td>0.03</td> <td>49</td> <td>38</td> <td>a.p.c<td>c.c.g<td>d.c<td>0.8</td></td></td></td>	2	0.03	49	38	a.p.c <td>c.c.g<td>d.c<td>0.8</td></td></td>	c.c.g <td>d.c<td>0.8</td></td>	d.c <td>0.8</td>	0.8			
Aberdeen ...		29.76	41	W	5	b	29.97	29.97	37	-11	WSW	2	b <td>2</td> <td>-</td> <td>51</td> <td>36</td> <td>b.g.c.g.b<td>b.g<td>b.g.b<td>3.4</td></td></td></td>	2	-	51	36	b.g.c.g.b <td>b.g<td>b.g.b<td>3.4</td></td></td>	b.g <td>b.g.b<td>3.4</td></td>	b.g.b <td>3.4</td>	3.4			
Leith ...		29.86	42	W	4	b	30.02	30.02	41	-11	SW	2	b <td>*</td> <td>Trace</td> <td>52</td> <td>40</td> <td>b.c.b<td>b<td>b<td>*</td></td></td></td>	*	Trace	52	40	b.c.b <td>b<td>b<td>*</td></td></td>	b <td>b<td>*</td></td>	b <td>*</td>	*			
North Shields ...		29.87	43	W	4	b.c	30.09	30.09	40	-10	WSW	3	b.c <td>2</td> <td>-</td> <td>51</td> <td>39</td> <td>c<td>b.c<td>b.c.c<td>0.0</td></td></td></td>	2	-	51	39	c <td>b.c<td>b.c.c<td>0.0</td></td></td>	b.c <td>b.c.c<td>0.0</td></td>	b.c.c <td>0.0</td>	0.0			
Spurn Head ...		29.92	46	WNW	5	b.c	30.10	30.10	42	-4	NW	5	b.c.g <td>4</td> <td>-</td> <td>51</td> <td>41</td> <td>c.g<td>o.b.c.g<td>b.c.g<td>0.0</td></td></td></td>	4	-	51	41	c.g <td>o.b.c.g<td>b.c.g<td>0.0</td></td></td>	o.b.c.g <td>b.c.g<td>0.0</td></td>	b.c.g <td>0.0</td>	0.0			
Yarmouth ...		29.94	49	W	3	c	30.14	30.14	40	-5	W	3	c <td>2</td> <td>-</td> <td>53</td> <td>39</td> <td>c<td>c<td>c<td>0.0</td></td></td></td>	2	-	53	39	c <td>c<td>c<td>0.0</td></td></td>	c <td>c<td>0.0</td></td>	c <td>0.0</td>	0.0			
Clacton-on-Sea ...		29.98	50	WSW	2	o	30.18	30.18	41	-5	WNW	2	c <td>1</td> <td>-</td> <td>53</td> <td>40</td> <td>o.g.o<td>o<td>c<td>0.0</td></td></td></td>	1	-	53	40	o.g.o <td>o<td>c<td>0.0</td></td></td>	o <td>c<td>0.0</td></td>	c <td>0.0</td>	0.0			
Nottingham ...		30.01	47	WNW	5	c	30.19	30.19	38	-10	W	2	c <td>*</td> <td>-</td> <td>54</td> <td>38</td> <td>o.c<td>o.c<td>c.o<td>0.2</td></td></td></td>	*	-	54	38	o.c <td>o.c<td>c.o<td>0.2</td></td></td>	o.c <td>c.o<td>0.2</td></td>	c.o <td>0.2</td>	0.2			
Bath ...		30.10	49	W	1	o	30.28	30.28	38	-13	SW	1	c <td>*</td> <td>0.02</td> <td>54</td> <td>38</td> <td>od<td>o.c<td>o.c<td>0.0</td></td></td></td>	*	0.02	54	38	od <td>o.c<td>o.c<td>0.0</td></td></td>	o.c <td>o.c<td>0.0</td></td>	o.c <td>0.0</td>	0.0			
London (Kew Obsy.) ...		30.06	50	W	1	o	30.23	30.23	41	-7	W	1	b.x <td>*</td> <td>Trace</td> <td>54</td> <td>41</td> <td>o.c.p.o<td>o.c.m.o<td>o.m.b.c.w<td>0.0</td></td></td></td>	*	Trace	54	41	o.c.p.o <td>o.c.m.o<td>o.m.b.c.w<td>0.0</td></td></td>	o.c.m.o <td>o.m.b.c.w<td>0.0</td></td>	o.m.b.c.w <td>0.0</td>	0.0			
ICELAND, FAEROE, &c.		29.47	-1	SSE	1	b	29.44	29.44	-3	-3	-	0	b <td>*</td> <td>-</td> <td>0</td> <td>-8</td> <td></td> <td></td> <td></td> <td></td>	*	-	0	-8							
Isafjord ...		28.99	28	W	9	o	29.12	29.12	23	-9	N	2	o <td>*</td> <td>*</td> <td>*</td> <td>*</td> <td></td> <td></td> <td></td> <td></td>	*	*	*	*							
Reykjavik ...		29.25	35	SW	5	c								*	*	*	*							
Vestmanna ...		29.32	35	W	6	b	29.20	29.20	32	-2	WNW	8	s <td>2</td> <td>*</td> <td>*</td> <td>*</td> <td></td> <td></td> <td></td> <td></td>	2	*	*	*							
Seydisfjord ...		29.21	34	W	1	b	29.04	29.04	41	+7	WSW	3	c <td>*</td> <td>*</td> <td>*</td> <td>*</td> <td></td> <td></td> <td></td> <td></td>	*	*	*	*							
Thorshavn ...		29.48	39	NW	6	c	29.56	29.56	39	-2	W	4	o <td>*</td> <td>*</td> <td>*</td> <td>*</td> <td></td> <td></td> <td></td> <td></td>	*	*	*	*							
Haparanda ...		29.33	8	S	2	b	29.27	29.27	26	+10	S	2	o <td>*</td> <td>Trace</td> <td>26</td> <td>1</td> <td></td> <td></td> <td></td> <td></td>	*	Trace	26	1							
Hernösand ...		29.32	27	-	0	f	29.18	29.18	33	+3	-	0	r <td>*</td> <td>-</td> <td>34</td> <td>25</td> <td></td> <td></td> <td></td> <td></td>	*	-	34	25							
Stockholm ...		29.38	37	SSW	2	r	29.17	29.17	38	+6	SSW	2	r <td>*</td> <td>0.16</td> <td>39</td> <td>32</td> <td></td> <td></td> <td></td> <td></td>	*	0.16	39	32							
Wisby ...		29.49	43	WSW	2	c	29.19	29.19	44	+3	WSW	2	o <td>*</td> <td>0.08</td> <td>44</td> <td>39</td> <td></td> <td></td> <td></td> <td></td>	*	0.08	44	39							
Karlstad ...		29.33	41	SW	2	r	29.19	29.19	38	+13	WSW	2	r <td>*</td> <td>0.20</td> <td>41</td> <td>25</td> <td></td> <td></td> <td></td> <td></td>	*	0.20	41	25							
Vardö ...		29.21	20	-	0	s	29.25	29.25	23	+1	SW	2	s <td>2</td> <td>?</td> <td>23</td> <td>19</td> <td></td> <td></td> <td></td> <td></td>	2	?	23	19							
Bodö ...		29.21	34	E	1	b	29.02	29.02	32	-4	E	4	o <td>2</td> <td>?</td> <td>36</td> <td>32</td> <td></td> <td></td> <td></td> <td></td>	2	?	36	32							
Christiansund ...		29.12	43	-	0	o	29.48	29.48	41	-1	W	5	c <td>5</td> <td>0.39</td> <td>43</td> <td>41</td> <td></td> <td></td> <td></td> <td></td>	5	0.39	43	41							
Skudesnaes ...		29.27	46	NW	9	o	29.64	29.64	42	-5	NNW	8	c <td>5</td> <td>0.51</td> <td>47</td> <td>41</td> <td></td> <td></td> <td></td> <td></td>	5	0.51	47	41							
Færder (X'ianta Fjord)		29.28	45	SW	4	m	29.31	29.31	43	-1	NW	6	o <td>3</td> <td>-</td> <td>45</td> <td>43</td> <td></td> <td></td> <td></td> <td></td>	3	-	45	43							
The Scaw (Skagen) ...		29.34	46	WSW	4	r	29.35	29.35	44	-3	NNW	8	r <td>3</td> <td>0.04</td> <td>47</td> <td>43</td> <td></td> <td></td> <td></td> <td></td>	3	0.04	47	43							
Blaavands Huk ...		29.56	46	W	5	m	29.72	29.72	43	-3	NW	9	r <td>6</td> <td>0.04</td> <td>46</td> <td>39</td> <td></td> <td></td> <td></td> <td></td>	6	0.04	46	39							
Cuxhaven ...		29.71	47	WSW	5	o	29.86	29.86	44	-1	W	5	b.g <td>2</td> <td>0.04</td> <td>48</td> <td>43</td> <td></td> <td></td> <td></td> <td></td>	2	0.04	48	43							
Berlin ...		29.88	43	SW	3	o	29.84	29.84	43	-2	SW	5	b <td>*</td> <td>0.12</td> <td>46</td> <td>41</td> <td></td> <td></td> <td></td> <td></td>	*	0.12	46	41							
Frankfurt ...		30.12	45	SW	5	o	30.11	30.11	45	+2	SW	1	m <td>*</td> <td>0.04</td> <td>46</td> <td>43</td> <td></td> <td></td> <td></td> <td></td>	*	0.04	46	43							
Munich ...		30.23	39	W	3	o	30.18	30.18	39	0	SW	5	c <td>*</td> <td>-</td> <td>41</td> <td>37</td> <td></td> <td></td> <td></td> <td></td>	*	-	41	37							
The Helder ...		29.86	50	W	5	o	30.07	30.07	47	0	WNW	7	b.c <td>3</td> <td>Trace</td> <td>50</td> <td>46</td> <td></td> <td></td> <td></td> <td></td>	3	Trace	50	46							
Brussels ...		30.03	48	WSW	3	o	30.16	30.16	42	-2	WSW	1	o <td>*</td> <td>0.04</td> <td>48</td> <td>41</td> <td></td> <td></td> <td></td> <td></td>	*	0.04	48	41							
C. Gris Nez ...		30.02	52	W	6	o	30.20	30.20	46	-4	NW	4	c <td>4</td> <td>0.43</td> <td>54</td> <td>45</td> <td></td> <td></td> <td></td> <td></td>	4	0.43	54	45							
La Hève ...		30.13	48	SW	5	f	30.24	30.24	48	+1	NW	3	b.c <td>3</td> <td>-</td> <td>50</td> <td>43</td> <td></td> <td></td> <td></td> <td></td>	3	-	50	43							
Ushant ...		30.23	52	NW	3	o	30.31	30.31	53	+1	NNW	3	c <td>3</td> <td>0.04</td> <td>54</td> <td>46</td> <td></td> <td></td> <td></td> <td></td>	3	0.04	54	46							
Brest (St. Mathieu) ...		30.26	53	WSW	3	o	30.32	30.32	52	+1	NW	3	o <td>3</td> <td>-</td> <td>55</td> <td>50</td> <td></td> <td></td> <td></td> <td></td>	3	-	55	50							
Lorient (Ber Melen) ...		?	53	W	4	o	?	?	50	0	NNW	3	o <td>3</td> <td>-</td> <td>54</td> <td>43</td> <td></td> <td></td> <td></td> <td></td>	3	-	54	43							
Rochefort (Ile d' Aix)		30.33	50	W	3	o	30.30	30.30	5															

BAROMETER, WIND AND WEATHER FOR 7 A.M. AND 6 P.M. 12TH DECEMBER.



GENERAL INFERENCE

The cessation of the barometric rise in the north-west of Scotland probably indicates the approach of another depression which will affect the more northern and northwestern districts by to-night or to-morrow, but

WEATHER PROSPECTS.

the more southern parts of the Kingdom will remain under the influence of the south-western anticyclone.

FORECASTS FOR THE 24 HOURS NOON SATURDAY

TO NOON SUNDAY.

- 0 {
a Wind between West and South-West,
b light or moderate, then freshening;
fair or fine generally, then overcast,
1 with some rain; moderate to mild temperature.
- 2 {
a Wind light, between North-West
b and West, backing South-Westerly
3 later; fair or fine, some mist or fog
4 {
a at night locally; moderate temperature.
b slight frost in places at night.
- 5

FORECAST DISTRICTS.



STORM WARNINGS.

The Coasts upon which the Warning Signals are at present displayed are indicated thus:—

Signals hoisted yesterday.	Signals hoisted this morning.
South Coast.	South Coast.
North Coast.	North Coast.

No WARNINGS ISSUED.

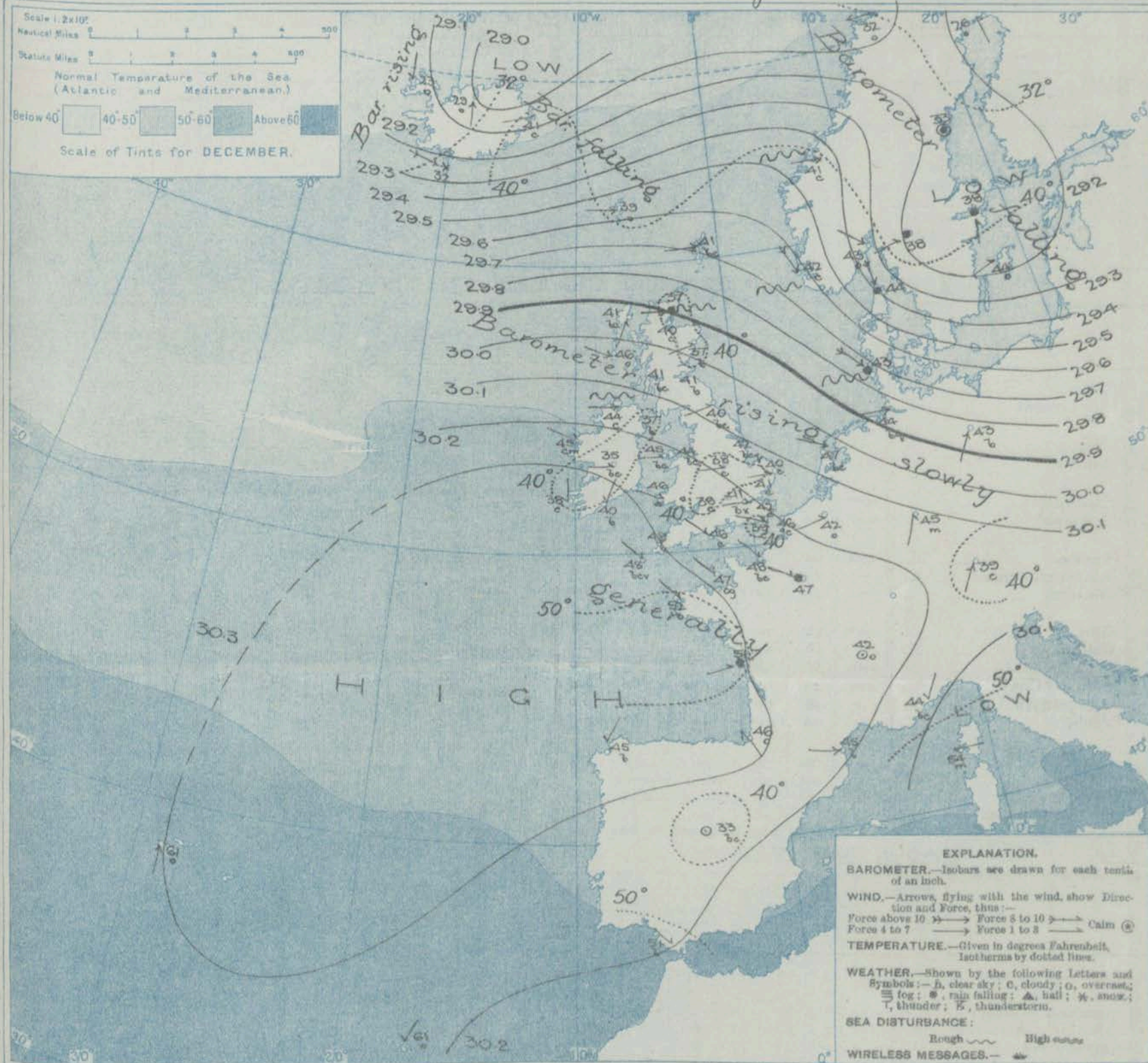
- 6 {
a Same as Nos. 0 & 1
b
- 7 {
a Same as Nos 2 to 5.
b
- 8 {
a
b
- 9 {
a Wind mainly between West and
b South-West, light or moderate, fresh at times
10 {
a in the north; fair or fine, then some showers;
b moderate to mild temperature.

11 WESTERN CHANNEL AND BAY.

North-Westerly to Westerly winds, light or moderate; sea moderate to slight; fair or fine, some mist or fog.

THE FURTHER OUTLOOK.

SYNOPTIC CHART FOR 7 A.M. Saturday, 13th DECEMBER 1913.



NOTES ON THE GENERAL SITUATION AT 7 A.M.

Pressure ranges from above 30.3 in. in an anticyclone stretching from the Azores to the south-west of these islands and the west of France to 29.0 in. in the northeast of Iceland. In a depression centred near Stockholm the readings are below 29.2 in., and the gradient over Denmark and the Baltic is steep.

Over the United Kingdom and France the wind is generally light or moderate from between West and North-West, but on the Dutch coast there is a high wind from West-North-West, and on the eastern shores of

the North Sea a gale or strong gale from the North-North-West. Temperature has fallen in most regions. Over the British Isles it ranges from 48° at Newquay and Scilly to 37° in the northeast of Scotland, and to 35° at Birr Castle. In the west of France the readings are a little above 50°. Showers are falling at Wick, but over the United Kingdom as a whole the weather is fair to bright. Over our Continental area rain is reported over Denmark and a large portion of Sweden, and also at Paris and Rochefort, and snow at Vardø.

DAILY WEATHER REPORT.

Saturday, 13th December, 1913.

OBSERVATIONS from the ATLANTIC OCEAN received by RADIOTELEGRAPHY.

DATE AND HOUR.	POSITION.		NAME OF SHIP.	Outward. H Inward. H	BAROMETER.		WIND.		WEATHER.	DATE AND HOUR.	POSITION.		NAME OF SHIP.	Outward. H Inward. H	BAROMETER.		WIND.		WEATHER.
	Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.			Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.	
13th 7 a.m.	51	12	Megantic	H.	30.36	+0.3	NW	1-3	0	12th 7 a.m.	48	30	Columbia	H	30.17	+0.1	NW	1-3	bc
12th 6 p.m.	49	26	Columbia	H	30.25	0.0	SE	1-3	bc										
"	51	17	Corsican	O	30.27	+1.0	WNW	4-5	bc										
"	51	16	Merion	O	30.15	+0.5	WNW	1-3	0										

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

STATIONS.	Rainfall.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.	STATIONS.	Rainfall.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.
		Max.	Min.	Forenoon.	Afternoon.				Max.	Min.	Forenoon.	Afternoon.	
Scot. land.	In.	F.°	F.°			Hr.		In.	F.°	F.°			Hr.
{ Oban ...	0.30	50	46	op	rq.c	0.5	{ Margate ...	-	54	41	o	o	0.0
{ St. Andrews ...	-	50	39	*	*	5.2	{ Ramsgate ...	-	53	41	*	*	0.0
Eng. N.E.							{ Folkestone ...	0.02	53	42	sc.c	c.0	0.0
{ Harrogate ...	-	49	40	bc.b	b.b.c.b	3.0	{ Hythe ...	*	*	*	*	*	0.0
{ Scarborough ...	*	52	42	c.b	c.b	1.0	{ Littlestone ...	*	*	*	*	*	0.0
Eng. N.W.							{ Hastings ...	0.04	53	44	od	o	0.1
{ Blackpool ...	0.07	50	46	or.0	bc.c	0.1	{ Bexhill-on-Sea ...	0.02	53	45	om	o	0.0
{ Southport ...	0.07	50	45	o	o.c.b.c	0.0	{ Eastbourne ...	0.03	55	45	o	og	0.0
Mid- lands.							{ Seaford ...	-	53	45	o	o	0.0
{ Buxton ...	0.10	48	40	c.r	bc	0.6	{ Brighton ...	-	53	45	o	o.c.0	0.0
{ Leamington Spa ...	-	54	43	c	c	0.0	{ Worthing ...	-	54	45	o	o	0.1
{ Malvern ...	-	53	44	c	c	0.0	{ Littlehampton ...	*	*	*	*	*	0.0
Wales.							{ Southsea ...	-	54	46	od.0	o	0.7
{ Rhyl ...	0.08	52	44	-	-	0.1	{ Ryde ...	-	54	*	o	o	0.9
{ Colwyn Bay ...	-	53	44	c	c	0.0	{ Ventnor ...	0.04	55	45	*	*	0.2
{ Llandudno ...	0.02	51	46	c	c	0.0	{ Bournemouth ...	0.01	54	45	o.c	c.0	0.1
{ Bettws-y-Coed ...	0.12	53	43	o	o.c.g	0.0	{ Weymouth ...	0.01	54	47	c	c.b.c	0.3
{ Aberystwyth ...	-	50	46	o.c.0	o.c.0	0.0	{ Exmouth ...	-	53	47	o	o	0.1
{ Tenby ...	0.12	53	44	o.c	o	0.1	{ Teignmouth ...	-	55	46	c	c.0	0.3
England, E.							{ Torquay ...	0.01	54	46	o	c.b.c	0.3
{ Lowestoft ...	-	53	39	op	o.c	0.0	{ Paignton ...	0.04	54	46	od.0	o	0.6
{ Felixstowe ...	-	53	43	cm.0	om.c	0.1	{ Falmouth ...	0.15	53	46	d.cm	o	0.0
{ Walton-on-Naze ...	-	53	42	bc.m.og	og.0	0.1	{ Bude ...	0.12	54	49	odp	o	0.0
{ Southend-on-Sea ...	-	53	43	o	o	0.2	{ Ilfracombe ...	0.11	54	47	o	o	0.0
							{ Weston-super-Mare ...	-	*	45	c.b.c	c.b.c	0.0

LONDON OBSERVATIONS.

Additional Observations for Yesterday.

STATIONS.	HUMIDITY.		Sun- shine for Yester- day.	TEMPERATURE.			Rain- fall.	WEATHER.			STATIONS.	RAIN- FALL.	TEMPERATURE.			WEATHER.			Sun- shine for Yester- day.
	p.m. Yester- day.	9 a.m. To- day.		In Screen.		Min. on Grass.		Fore- noon.	After- noon.	Night.			In Screen.		Night Min. on Grass.	Night.	Fore- noon.	After- noon.	
				Max.	Min.								Max.	Min.					
24 HOURS ENDED 9 A.M. TO-DAY.																			
	%	%	Hr.	F.	F.	F.	In.						F.	F.	F.				Hr.
Greenwich (Royal Obsy.) ...	72	91	0.0	55	39	27	-	0	0	0.6c.bm	Dublin to 4 p.m.	0.01	48	44	43	c.p	c	c	*
City (Bunhill Row) ...	*	*	0.0	*	*	*	*	*	*	*	Plymouth to 9 p.m.	0.07	53	46	44	0	op	c.b	0.0
Westminster (St. James's Pk.)	*	*	0.1	50	40	33	-	0	0	0.6m.b	Darwen	0.15	49	40	40	or.u	or	om.b	0.0
Camden Sq. (Brit. Rainfall)	75	90	0.2	55	38	34	-	om.c	c	*	Manchester	0.04	51	45	*	o.or.0	0	or.c.b	0.0
Hampstead (Reservoir) ...	*	93	0.0	52	37	21	-	0	0	bc.c.bx	Birmingham	-	52	43	38	0	0	0	*
Richmond Park ...	*	*	0.0	VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.															
Kew. (See front page.) *				Total.		Average Rate.		Max. Rate.			S. Kensington		54	45	42	c.0	0	0	*
S. Kensington (Roof of M.O.)	76	88	0.0	88 Joules.		25 Milliwatts.		14.0 Milliwatts.			(Museum Grounds to 6 p.m.)	-							*

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM TO-DAY AND TO-MORROW

13th 14th December, 1913.	Sunrise.	Noon.	Sunset.
Yarmouth ...	G.M.T. 7.58 7.59	G.M.T. 11.47 11.48	G.M.T. 3.36 3.36
Greenwich ...	7.59 8.0	11.54 11.55	3.49 3.49
Wick ...	8.56 8.57	12.6 12.7	3.16 3.16
Valencia ...	8.43 8.44	12.35 12.36	4.27 4.27

During yesterday temperature rose to 50° or above in almost all parts of these islands, and touched 55° at a few places in the south. Rain has fallen over a large area in the west and north, but not in large amounts. Over the Kingdom generally there was little or no bright sunshine, but at Harrogate the record was 3 hours, at Aberdeen 3.4 hours, and at St. Andrews 5.2 hours. Wireless reports show that the wind was mainly W.^{ly}, light or moderate, between the Irish coast and the 20th meridian.

NOTE.—The information relating to weather is indicated by the following letters:—b. blue sky; bc. sky half clouded; c. sky three parts clouded; d. drizzling rain; e. wet air, without rain falling; f. fog; g. gloom; h. hail; l. lightning; m. mist; o. overcast sky; p. passing showers; q. squalls; r. rain; s. snow; t. thunder; u. ugly, threatening sky; v. visibility, unusual transparency; w. dew; x. hoar frost; z. dust-haze, or smoke.

The Daily Weather Report is sent free by post to any address in the United Kingdom on payment of £1 per annum, for postage and wrappers.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

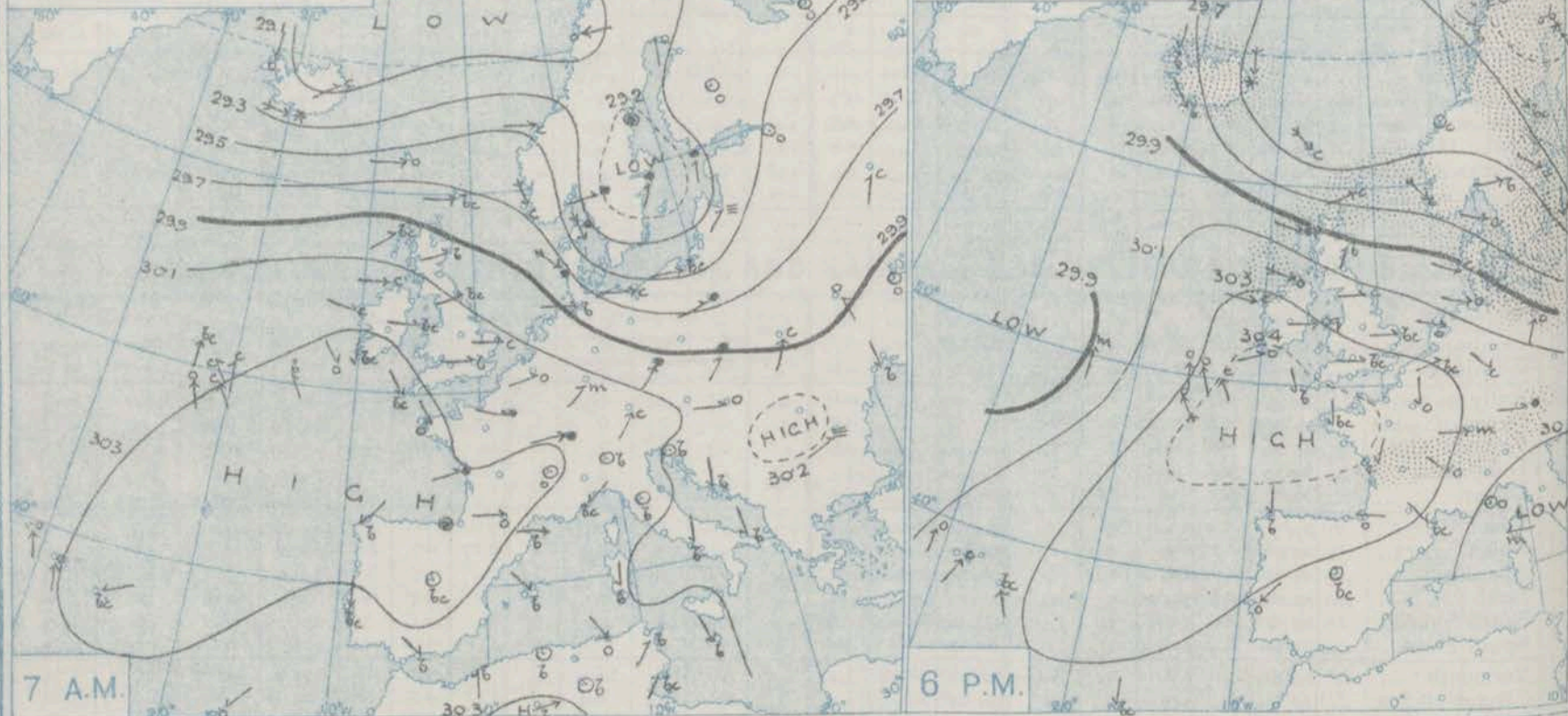
Sunday,
14th December, 1913.

STATIONS.	YESTERDAY EVENING.						THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.							Sun- shine for Yester- day.
	BAROM.		WIND.		Weather	Force (0 to 12).	BAROMETER.		TEMP.		WIND.		Force (0 to 12).	Weather.	Sea (0 to 9).	Rain fall.	TEMP.		WEATHER.					
	At 32° F. and M.S.L. Lat. 45°	Dry Bulb.	Dir.	Force (0 to 12).			At 32° F. and M.S.L. Lat. 45°	Change since 4 a.m.	Dry Bulb.	Change since Yester- day.	Dir.	Force (0 to 12).					Max.	Min.	Morning. 7 a.m. to 1 p.m.	Afternoon 1 p.m. to 5 p.m.	Night. 5 p.m. to 7 a.m.			
BRITISH ISLANDS.	Lerwick ...	29.53	45	WSW	6	c	29.77	+0.3	38	-3	W	6	oq	5	0.27	45	33	cph	cq p	cph	Hours			
	Stornoway ...	29.89	46	WNW	6	bcq	30.05	+0.4	46	+5	WNW	5	oq p	4	0.20	47	41	b.cq p	bcq p	bcq p	0.1			
	Castlebay (Barra Isd.)	29.03	49	WNW	6	op	30.15	0.0	47	+1	WSW	4	o	4	-	49	46	op	op	op	0.0			
	Glasgow ...	30.08	43	W	4	o	30.11	+0.1	45	+4	W	6	c	5	0.02	45	40	o.c	o.c.bcp	o.c.bcp	0.2			
	Malin Head...	30.14	47	WNW	8	o	30.18	0.0	46	+2	WSW	5	c	5	0.03	48	43	dq	oq	cq p.	*			
	Blacksod Point ...	30.31	47	WNW	4	cq	30.21	-0.5	50	+5	W	4	cq	4	0.02	50	43	cm.ev	cq	oq.cpd	*			
	Valencia ...	30.40	45	WSW	2	ov	30.34	-0.3	50	+12	S	3	o	4	-	50	35	bcv	bcv	bcv	2.5			
	Roche's Point ...	30.41	42	WNW	1	b	30.39	*	47	+7	W	2	o	2	-	47	38	b.bc	b	b.o	*			
	Birr Castle ...	30.34	45	SW	2	c	30.33	*	37	+2	S	1	bc	*	-	46	34	c	c	bc	2.7			
	Donaghadee ...	30.22	45	WSW	2	o	30.28	0.0	43	+6	W	3	c	2	-	45	36	bc	cg	o.b.c.c	*			
	Liverpool Obsy....	30.27	46	W	5	c	30.28	-0.1	45	+1	W	6	oq	5	-	47	44	bcq	bcq	oq	1.0			
	Holyhead ...	30.29	47	W	4	oqg	30.32	0.0	45	0	W	2	c	2	-	48	44	c.b.c.c	c.o.c.oq	o.c.b.c.o	2.8			
	Pembroke (St. Ann's H.J.)	30.36	48	WNW	4	c	30.39	-0.2	47	+1	W	4	c	4	-	49	47	c	c	c	4.3			
	Newquay ...	30.40	47	NW	2	bc	30.43	0.0	46	-2	SW	2	o	2	-	49	45	bu	bu	b.c.v	6.1			
	Scilly (St. Mary's) ...	30.41	45	NNW	1	br	30.44	0.0	46	-2	W	3	cq p	3	-	52	43	b	bu	bc.v	6.5			
	Jersey (St. Aubin) ...	30.42	43	NW	2	bc	30.47	*	48	+1	W	2	o	2	-	54	42	b.c.b	b.b.m	c	6.0			
	Portland Bill ...	30.36	48	NW	2	b	30.39	0.0	46	0	W	3	c	3	-	49	45	b.b.c	b.b.c	b.b.c	*			
	Dungeness ...	30.32	39	NW	2	bc	30.34	-0.1	42	+3	W	3	c	3	-	51	36	c.b.c	bc	bcx	*			
	Dover ...	30.27	39	W	2	b	30.31	*	39	-3	WSW	4	bc	3	-	46	37	c.b	b.b.c.b	b.b.c	6.4			
ICELAND, FAEROE, &c.	Wick ...	29.77	43	W	4	c	29.91	+0.4	44	+7	WNW	5	cq p	5	0.23	44	37	cq p.c.p	cq p	cq p	*			
	Nairn ...	29.89	43	W	3	cu	30.01	*	46	+6	W	4	cq	3	0.17	47	38	p.cu	c.c	cq p.	0.0			
	Aberdeen ...	29.90	40	SSW	2	b	29.99	+0.5	48	+4	W	4	o	2	-	48	37	c.b.c	b	b.b.cq	0.2			
	Leith ...	30.01	46	WSW	4	bc	30.08	+0.2	46	+5	W	4	c	*	-	48	42	o	bc.b	c	*			
	North Shields ...	30.12	41	W	3	c	30.14	+0.2	45	+8	WNW	4	c	2	-	46	39	c	c	c	0.9			
	Spurn Head ...	30.17	44	WNW	4	o	30.12	0.0	44	+2	WNW	6	cq	5	-	45	40	bcq	o	cq	2.3			
	Yarmouth ...	30.29	40	W	2	bc.m	30.22	-0.2	40	0	W	3	bc.m	2	-	45	37	bm.b	bc.m	bc.m	4.9			
	Clacton-on-Sea ...	30.29	41	WSW	2	b	30.28	-0.2	39	-2	WSW	3	og	2	-	45	38	c.b.c.b	b	b.b.cq	5.4			
	Nottingham...	30.27	43	W	4	o	30.25	*	45	+7	WNW	6	o	*	-	46	36	c.m	c.o	ac	0.4			
	Bath ...	30.37	42	W	1	o	30.35	*	42	+4	W	1	o	*	-	49	36	m.b.c.b	b.b.c.m	c.b.c.o	5.7			
SCANDINAVIA.	London (Kew Obsy.)...	30.34	41	W	2	bc	30.34	0.0	39	-2	SW	2	omx	*	-	46	38	bx.bm	bm.b	bc.bm	5.9			
	Spitzbergen ...	29.50	3	SE	1	b	29.65	+0.4	-3	0	SE	2	b	*	-	3	-8	GALE. Duration and Extreme Force in British Islands. <u>Lerwick.</u> W 8 in squalls in morning. <u>Stornoway.</u> Squalls force 8 in afternoon and night. <u>Malin Head</u> 2 p.m.-2 a.m. Extreme WSW g at 3 p.m. <u>Aberdeen</u> Sq. 53 m.p.h. (g) at 9 p.m.						
	Isafjord...	29.76	22	N	3	b	29.69	-0.9	26	+3	E	6	s	*	-	*	*							
	Reykjavik ...	29.79	26	N	4	c	29.54	-1.4	29	+1	E	7	o	*	-	*	*							
	Vestmanna ...	29.79	25	NW	5	b	29.66	-0.7	32	0	E	9	p	2	-	*	*							
	Seydisfjord ...	29.49	25	N	8	s	29.88	-0.1	28	-13	NW	1	o	*	-	*	*							
	Thorshavn ...	29.41	39	NW	8	c	29.86	+0.8	34	-5	NNW	5	o	*	-	*	*							
GERMANY, &c.	Haparanda ...	29.18	30	SE	4	s	29.18	+0.1	27	+1	NE	2	s	*	0.59	30	23							
	Hernösand ...	29.29	36	NW	6	bc	29.32	+0.3	26	-7	-	0	bc	*	0.20	27	25							
	Stockholm ...	29.32	35	NW	4	o	29.32	-0.4	23	-10	WSW	2	b	*	0.20	39	27							
	Wisby ...	29.34	38	NNW	6	o	29.38	-0.7	37	-7	WSW	4	b	*	0.12	43	36							
	Karlstad ...	29.39	33	W	4	b	29.21	-1.6	25	-3	WSW	2	p	*	0.04	39	25							
	Vardö ...	29.32	19	SW	2	b	29.28	-0.4	26	+3	SE	6	s	3	?	25	12							
	Bodö ...	29.23	39	NW	4	b	29.35	+0.4	37	+5	NW	2	b	1	0.39	39	32							
FRANCE.	Christiansund ...	29.40	40	-	0	c	29.33	+0.6	38	-3	NW	1	c	5	-	41	37							
	Skudesnaes ...	29.65	45	NW	8	c	29.62	+0.2	36	-6	NNW	9	c	5	?	45	34							
	Færder (X'tania Fjord) ...	29.60	41	WSW	6	b	29.23	-0.4	39	-4	W	6	o	3	-	43	37							
	The Scaw (Skagen)...	29.66	44	WNW	5	c	29.32	-0.7	42	-2	WNW	9	bc	4	0.04	45	41							
	Blaavands Huk ...	29.87	44	WNW	6	c	29.68	-0.8	42	-1	NW	9	p	8	0.08	45	41							
	Cuxhaven ...	29.93	43	WNW	4	o	29.82	-0.6	45	+1	W	7	o	4	0.12	46	41							
	Berlin ...	29.93	42	SW	5	c	29.90	-0.4	41	-2	SW	4	o	*	Trace	46	39							
SPAIN, PORTUGAL, &c.	Frankfurt ...	30.23	41	NW	1	c	30.24	-0.1	40	-5	SW	4	o	*	-	48	39							
	Munich ...	30.24	37	W	3	r	30.31	+0.1	36	-3	W	4	o	*	0.08	43	34							
	The Helder ...	30.15	46	W	5	o	30.11	-0.5	47	0	W	6	o	4	-	47	46							
	Brussels ...	30.30	39	WSW	1	bc	30.28	-0.2	37	-5	W	2	o	*	-	47	35							
	C. Gris Nez...	30.33	46	NW	5	b	30.31	-0.2	46	0	W	6	o	5	-	48	45							
	La Hève ...	30.36	46	NW	2	bc	30.41	*	47	-1	NW	3	bc	2	-	50	43							
	Ushant...	30.42	50	N	3	bc	30.46	*	50	-3	NW	2	c	3	-	53	43							
PORTUGAL, &c.	Brest (St. Mathieu) ...	30.46	47	NNE	1	bc	30.50	0.0	46	-6	ESE	2	o	2	-	58	45							
	Lorient (Bec Moien)...	?	51	NE	2	b	?	*	43	-7	E	3	b	2	-	57	39							
	Rochefort (Ile d' Aix) ...	30.39	50	NNE	2	c	30.49	+0.3	49	-2	NE	3	bc	*	0.12	52	48							
	Biarritz ...	30.36	48	E	1	o	30.40	+0.1	46	0	E	2	o	3	-	50	43							
	Paris ...	30.37	41	NNW	1	b	30.42	+0.1	33	-14	SSW	2	b	*	-	51	32							
	Belfort ...	30.29	39	W	4	m	30.46	*	32	-8	WSW	5	m	*	0.04	41	32							
	Lyons ...	30.38	44	NW	3	o	30.47	*	36	-6	NW	2	bx	*	0.04	46	35							
PORTUGAL, &c.	Nice ...	30.06	50	-	0	o	30.13	+0.1	47	+3	NE	2	b	3	-	55	41							
	Perpignan ...	30.27	49	NW	3	bc	30.30	0.0	50	+5	NW	3	b	*	-	53	45							
	Sanguinaire...	30.01	57	E	2	m	30.08	*	?	?	E	?	?	5	-	59	45							
	Corunna (8 a.m.) ...	30.32	58	N	3	b	30.36	+0.2	45	0	NE	1	b	3	-	58	41							
PORTUGAL, &c.	Lisbon (9 a.m.) ...	30.26	48	NE	4	o	30.29	+0.2	46	0	NNE	4	o	5	-	52	43							
	Gibraltar ...																							
PORTUGAL, &c.	Azores (Horta, 8 a.m.)	30.23	*	SSW	4	e	30.15	-0.2	63	+2	SSW	5	o	4	-	63	61							
	Madeira (Funchal) ...	30.22	57	N	2	bc	30.20	+0.1	57	-4	N	2	bc	2	-	66	55							

BAROMETER, WIND AND WEATHER FOR 7 A.M. AND 6 P.M. 13TH DECEMBER.

SCALE
NAUTICAL MILES
STATUTE MILES

NOTE.—On this chart the areas over which rain has fallen within the 24 hours from 7 a.m., are stippled.



GENERAL INFERENCE

WEATHER PROSPECTS.

FORECASTS FOR THE 24 HOURS NOON SUNDAY

TO NOON MONDAY.

0 { a
b

1

2 { a
b

3

4 { a
b

5

None Issued

FORECAST DISTRICTS.



STORM WARNINGS.

The Coasts upon which the Warning Signals are at present displayed are indicated thus:—

Signals hoisted yesterday.

South Cone.

North Cone.

Signals hoisted this morning.

South Cone.

North Cone.

NORTH CONE, HOLSTED in Districts 0, 1 and 6 at 2.30pm yesterday.

6 { a
b

7 { a
b

8 { a
b

9 { a
b

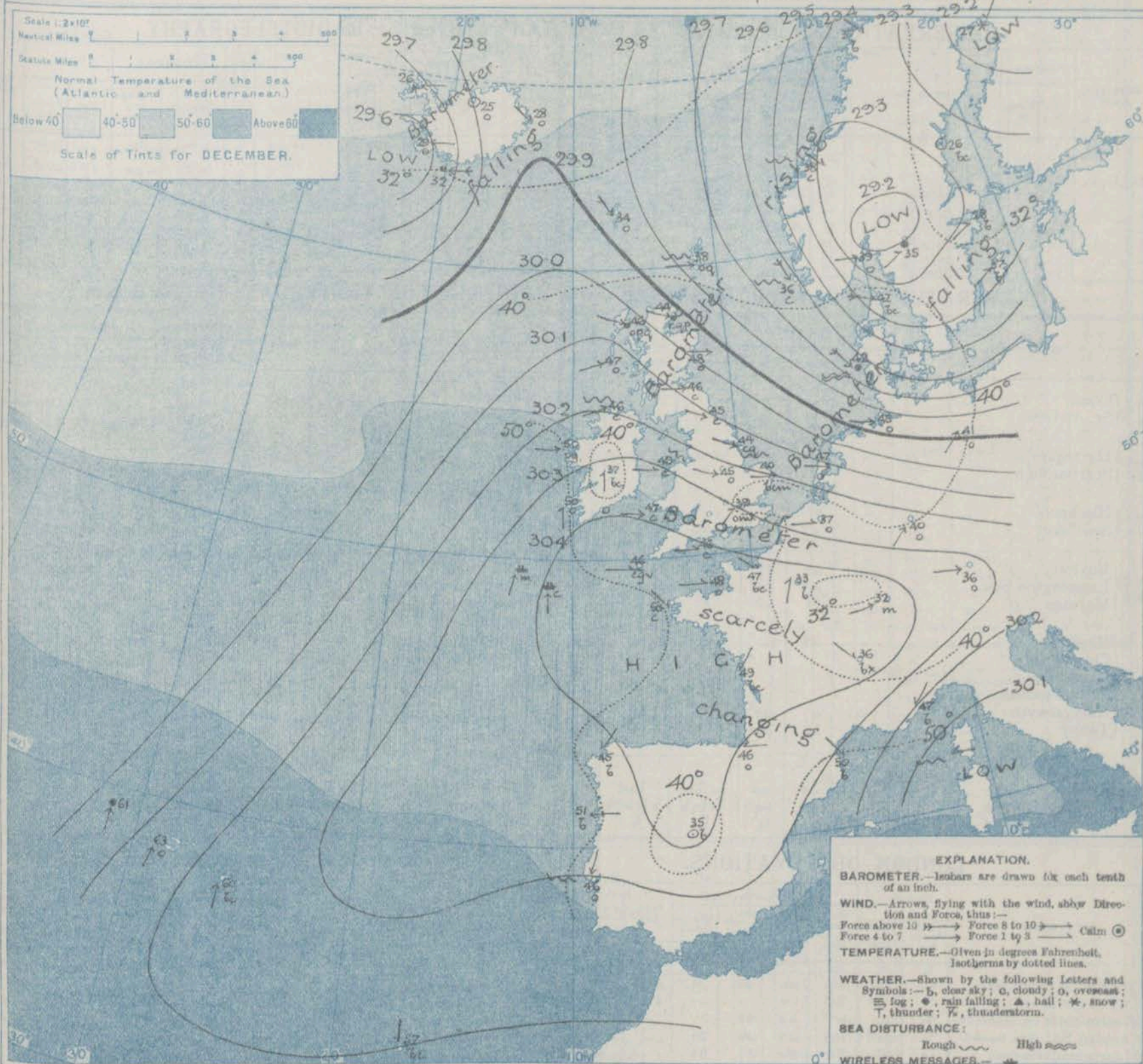
10 { a
b

None Issued

11 WESTERN CHANNEL AND BAY.

THE FURTHER OUTLOOK.

SYNOPTIC CHART FOR 7 A.M. SUNDAY, 14TH DECEMBER 1913.



NOTES ON THE GENERAL SITUATION AT 7 A.M.

Pressure is now at 30½ in on the Bay of Biscay. In a depression centred over Southern Scandinavia it is at 29.2 in; and in another moving up towards Western Iceland it is at 29½ in. The gradient is rather steep between Southern Norway and the Baltic moderate to slight elsewhere.

Circulating round the various systems the winds are from all directions, Westerly over the British Isles. Strong winds to strong gales are reported on the eastern side of the North Sea, and in western Iceland, mostly light to moderate in other regions. At the home stations temperature ranges from 37° at Birr Castle to 50° at Blacksod Point and Valencia; on the Continent from 26° at

Vardø and Hernösand to 50° at Ushant and Perpignan; and in Iceland from 25° to 32°. At Spitzbergen the reading is -3°. In many parts of France and the Peninsula the weather is fine and clear; mostly very cloudy or overcast in other countries, with rain at a few isolated stations, snow in the north-west of Iceland and in Lapland. The sea is rather rough locally on the home and foreign coasts.

DAILY WEATHER REPORT.

Sunday, 14th December, 1913.

OBSERVATIONS from the ATLANTIC OCEAN received by RADIOTELEGRAPHY.

DATE AND HOUR.	POSITION.		NAME OF SHIP.	O = Outward. H = Homeward.	BAROMETER.		WIND.		WEATHER.	DATE AND HOUR.	POSITION.		NAME OF SHIP.	O = Outward. H = Homeward.	BAROMETER.		WIND.		WEATHER.
	Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.			Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.	
13th, 6 pm	50	23	Merion	O	29.89	-0.6	S	6-7	m	13th, 7 am	51	22	Corsican	O	30.28	-0.2	S	4-5	bc.
"	50	17	Montrose	O	30.27	-0.2	S	4-5	O	"	49	22	Minneapolis	H	30.27	-0.2	SSE	4-5	O
"	48	17	Minneapolis	H	30.31	+0.5	SE	8-9	O	"	50	21	Columbia	H	30.29	+0.1	SE	1-3	c
"	50	16	Columbia	H	30.18	-0.4	SSE	4-5	O	"	50	20	Merion	O	30.25	-0.2	S	1-3	c
"	49	16	Marquette	H	30.28	+0.2	S	4-5	O	"	49	20	Marquette	H	30.27	-0.1	SE	4-5	c
"	50	15	Montreal	O	30.41	+0.3	SE	4-5	c	"	50	16	Montreal	H	30.37	+0.2	SE	1-3	b
"	50	11	Manitou	O	30.44	0.0	SW	1-3	c										

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.	STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.
			Max.	Min.	Forenoon.	Afternoon.					Max.	Min.	Forenoon.	Afternoon.	
Scot- land.	{ Oban	In.	F.°	F.°			Hr.	{ Margate	In.	F.°	F.°	b	b.	Hr.	
	{ St. Andrews								{ Ramsgate		47	41			5.1
Eng. N.E.	{ Harrogate	-	44	37	bcc	c.bc.	1.0	{ Folkestone	-	46	40	b.bc.	b.c.	5.4	
	{ Scarborough	*							{ Hythe	-	48	40			5.5
Eng. N.W.	{ Blackpool	-	47	44	c.	o	1.8	{ Littlestone	-	*	*	b	b	3.5	
	{ Southport	-	47	43	b.bc	bcc.o	2.7		{ Hastings	-	48	39	b	b	6.8
Mid- lands.	{ Buxton	0.01	43	37	bc	bc.	0.6	{ Bexhill-on-Sea	-	49	40	b	b	6.7	
	{ Leamington Spa	-	47	34	bc	c	4.4		{ Eastbourne	-	51	41	b	b	6.5
Wales.	{ Malvern	-	51	42	b	b	6.1	{ Seaford	-	52	40	b	b	6.7	
	{ Rhyl	-	48	40	o.c.bc	bc.o	2.8		{ Brighton	-	47	41	o.c.bc.	b.bz	5.9
England, E.	{ Colwyn Bay							{ Worthing	-	48	40	b	b	6.6	
	{ Llandudno								{ Littlehampton	-	*	*	*	*	
England, S.W.	{ Bettws-y-Coed	0.02	47	45	r.c.	c.bc.	5.2	{ Southsea	-						
	{ Aberystwyth	-	52	38	b	b	6.4		{ Ryde						
England, S.E.	{ Tenby							{ Ventnor							
	{ Lowestoft	-	46	40	bc.bm	bm	5.7		{ Bournemouth	-	48	38	b	b.bm.	6.7
England, S.E.	{ Felixstowe	-	45	39	bc.b	b.bm.b	5.6	{ Weymouth	-	50	39	b	b	6.7	
	{ Walton-on-Naze	-	52	38	b	b	6.0		{ Exmouth	-	51	41	b	b	5.2
England, S.E.	{ Southend-on-Sea	-						{ Teignmouth	-	51	40	b	b	4.8	
									{ Torquay	-	52	40	b	b	5.4
England, S.E.								{ Paignton	-	51	42	bc.b.	bc.o.	5.4	
									{ Falmouth	0.03	51	47	b	b	5.2
England, S.E.								{ Bude	0.02	49	47	c.bc.b.	b.bc.	4.0	
									{ Ilfracombe	-					
England, S.E.								{ Weston-super-Mare							

LONDON OBSERVATIONS.

Additional Observations for Yesterday.

STATIONS.	HUMIDITY.		Sun- shine for Yester- day.	TEMPERATURE.			Rain- fall.	WEATHER.			STATIONS.	RAIN- FALL.	TEMPERATURE.			WEATHER.			Sun- shine for Yester- day.
	3 p.m. Yester- day.	9 a.m. To- day.		In Screen.		Min. on Grass.		Fore- noon.	After- noon.	Night.			In Screen.		Night Min. on Grass.	Night.	Fore- noon.	After- noon.	
				Max.	Min.								Max.	Min.					
Greenwich (Royal Obs.) ...	%	%	Hr.	F.	F.	F.	In.	b.	b.bc.	bc.x	Dublin to 4 p.m.	In.	F.	F.	F.	b.	b.	bc.	Hr.
City (Bunhill Row) ...	68	82	1.9	46	38	29	0.01	b.	b.bc.	bc.x	Plymouth to 9 p.m.	-	45	37	35	b.	b.	bc.	4.2
Westminster (St. James's Pl.)	*	*	2.7	*	*	*	*	*	*	*	Darwen	-	51	40	34	bc	c.b.	bc	0.5
Camden Sq. (Brit. Rainfall)	86	94	4.3	48	38	31	-	m.b.	b.bc.	bc	Manchester "	-	43	37	33	bc.	c.o.b	bc.	0.9
Hampstead (Reservoir) ...	74	90	4.3	47	36	31	-	bm.b.	b.c	*	Birmingham "	-	47	36	*	b.c.f	b.c	bc.	3.6
Richmond Park ...	*	85	5.2	46	37	23	-	bc	b.c	c.b.x.	Oxford to 8 p.m.	-	46	38	30	c	b.b.c	c.o.	*
Kew. (See front page.)	*	*	5.0	VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.															
				Total.		Average Rate.		Max. Rate.		S. Kensington (Museum Grounds to 6 p.m.)									
				2.17 Joules.		7.7 Milliwatts.		13.0 Milliwatts.		Trace									
				4.4		4.4		4.4		4.4									

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM TO-DAY AND TO-MORROW

14th & 15th Dec. 1913.	Sunrise.	Noon.	Sunset.
Yarmouth	G.M.T. 7.59 8.0	G.M.T. 11.48 11.48	G.M.T. 3.36 3.36
Greenwich	8.0 8.1	11.55 11.55	3.49 3.49
Wick	8.57 8.58	12.7 12.7	3.16 3.16
Valencia	8.44 8.45	12.36 12.36	4.27 4.27

NOTES ON YESTERDAY'S WEATHER.

Temperature mounted to between 50° and 52° at some of our Southern and western stations. Generally the day was very fine, with more than 5 hours of bright sunshine at numerous stations, up to 7 hr at Worthing. Locally on the Northern coasts a gale to a strong gale was felt. As far west as the 25th meridian ships experienced light to strong breezes between South-East and South-West, with fair to dull weather.

NOTE.—The information relating to weather is indicated by the following letters—b. blue sky; bc. sky half clouded; a. sky three parts clouded; d. drizzling rain; e. wet air, without rain falling; f. fog; g. gloom; h. hail; l. lightning; m. mist; o. overcast sky; p. passing showers; q. squalls; r. rain; s. snow; t. thunder; u. ugly, threatening sky; v. visibility, unusual transparency; w. dew; x. hoar frost; z. dust-haze, or smoke.

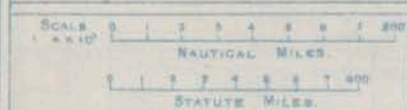
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DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

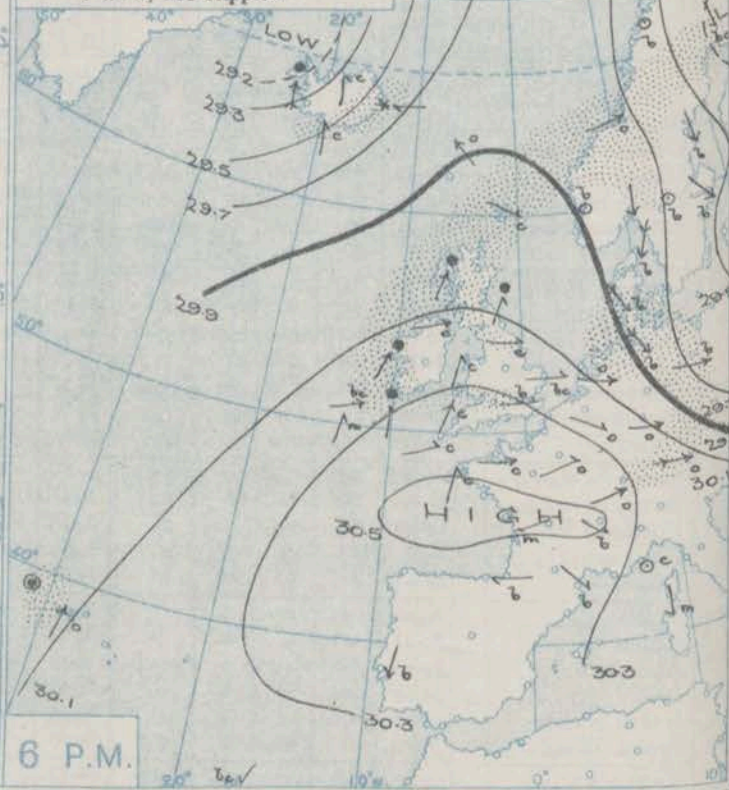
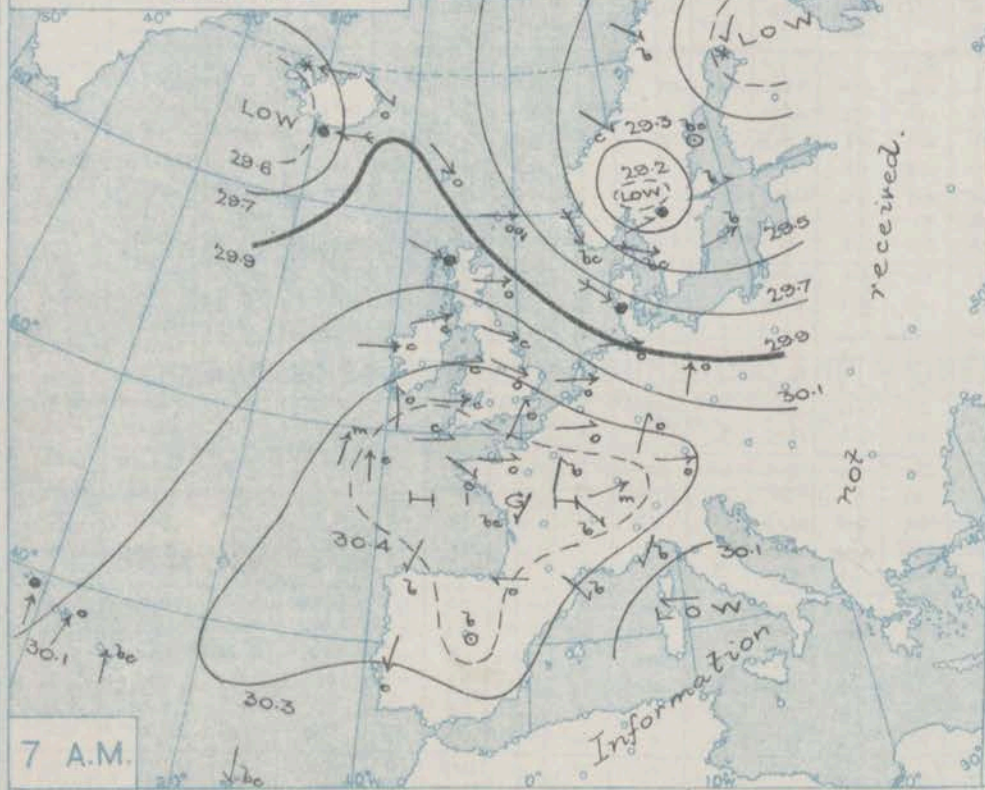
Monday,
15th December, 1913.

STATIONS.		YESTERDAY EVENING.					THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.							Sun- shine for Yester- day.
		BAROM.		TEMP.		WIND.	Weather.	BAROMETR.		TEMP.		WIND.	Weather.	Sea (0 to 9).	Rain fall.	TEMP.		WEATHER.						
		At 32° F. and M.S.L. Lat. 45°	Dry Bulb.	Force (0 to 12).	Dir.			At 32° F. and M.S.L. Lat. 45°	Change since 4 a.m.	Dry Bulb.	Change since Yester- day.					Dir.	Force (0 to 12).	Max.	Min.	Morning. 7 a.m. to 1 p.m.	Afternoon 1 p.m. to 6 p.m.	Night. 6 p.m. to 7 a.m.		
BRITISH ISLANDS.																								
Lerwick ...	29.93	41	WNW	2	c	29.75	-0.6	48	+10	SSW	4	0	3	0.24	48	33	0	c	c.ond	0.0				
Stornoway ...	29.98	49	SW	4	cp	29.93	+0.2	48	+2	WSW	3	c	3	0.10	51	45	odp	cp	od.c.	0.0				
Castlebay (Barra Isd.)	30.01	51	WSW	3	o	29.96	-0.1	49	+2	W	2	d	3	0.09	51	47	ed	d.o	od	0.0				
Glasgow ...	30.12	46	SW	3	ogd	30.06	-0.4	48	+3	SW	4	o	3	0.11	49	43	o	od	odp.o	0.0				
Malin Head...	30.11	50	WSW	5	c	30.05	-0.2	50	+4	WSW	4	o	3	0.02	51	46	om	cmp	om	0.0				
Blacksod Point	30.13	51	SW	4	omdp	30.05	-0.3	51	+1	SW	4	od	4	0.04	53	48	cmpd	cmpd	omdpd	0.0				
Valencia ...	30.28	51	S	3	md	30.18	-0.3	52	+2	S	5	omd	4	0.08	52	48	omr	omd	omd	0.0				
Roche's Point ...	30.32	50	SW	2	p	30.26	-0.1	50	+3	WSW	2	r	3	0.06	51	47	oe	oe	fe.ond	0.0				
Birr Castle ...	30.25	49	S	1	c	30.17	-0.1	48	+11	SW	1	c	3	-	51	34	bc	c	c	1.2				
Donaghadee ...	30.16	49	WSW	2	c	30.14	-0.0	49	+6	W	2	o	2	-	51	42	bc	c	c.o.	0.0				
Liverpool Obsy. ...	30.27	46	SW	3	o	30.21	-0.2	47	+2	W	1	o	2	-	50	43	og	o	om	0.0				
Holyhead ...	30.28	50	SSW	3	ogm	30.21	-0.1	50	+5	SW	2	cm	1	-	51	44	o.c.b.c.	o.b.c.c.	o.c.o.	1.0				
Pembroke (St. Ann's Hd.)	30.36	50	SW	4	c	30.28	-0.1	51	+4	SW	5	ogpd	5	0.08	52	47	cv	c	cp	0.0				
Newquay ...	30.40	49	WSW	2	o	30.34	-0.1	49	+3	SW	2	o	2	-	50	46	ov	ov	ov.o.	0.0				
Scilly (St. Mary's) ...	30.41	51	WSW	3	cv	30.36	-0.1	50	+4	SW	4	cv	3	-	52	45	cv	cv	om.cv	0.1				
Jersey (St. Aubin) ...	30.46	50	W	4	ag	30.43	-0.1	49	+1	W	3	omg	3	-	53	47	c.o	o	ogm	0.3				
Portland Bill ...	30.41	48	WNW	5	c	30.37	-0.1	51	+5	WSW	4	op	4	-	52	45	c.o	e.c	c.o.	0.0				
Dungeness ...	30.32	42	W	3	b	30.33	-0.0	46	+4	WSW	3	c	3	-	46	41	bc	bc	c.bc.	0.0				
Dover ...	30.29	39	W	4	b	30.31	-0.1	44	+5	SW	3	c	2	-	45	37	bc.b	b.b.c.	bc.c.o.c.	4.1				
Wick ...	30.01	44	WSW	2	c	29.89	-0.1	49	+5	WSW	3	cm	3	0.14	50	42	cm.pd	cm.d	cm.q.p	0.0				
Nairn ...	30.01	47	-	0	o	29.92	-0.1	51	+5	W	2	cd	2	0.01	51	44	g.bc	oe	bc	0.0				
Aberdeen ...	30.06	46	SW	1	omp	29.95	-0.2	47	-1	WSW	2	om	2	0.04	48	45	c.bc	bc.omp	om	1.5				
Leith ...	30.10	46	W	3	o	30.02	-0.3	51	+5	WSW	3	o	2	Trace	52	45	c	o	od	0.0				
North Shields ...	30.14	45	W	3	c	30.09	-0.2	50	+5	W	3	o	2	-	50	45	c	c	c.o.	0.3				
Spurn Head ...	30.19	45	WNW	5	c	30.16	-0.1	46	+2	WSW	4	c	4	0.04	46	42	cg	cg	cg.or	1.2				
Yarmouth ...	30.26	43	W	2	bcm	30.23	-0.1	44	+4	W	2	bc	1	-	48	39	bcm	bcm	bc.	1.3				
Clacton-on-Sea ...	30.27	40	W	3	bc	30.28	-0.0	42	+3	W	2	og	1	-	44	38	og.c	c.bc	bc.og	0.7				
Nottingham...	30.30	43	W	2	o	30.22	-0.1	47	+2	SW	3	o	-	-	48	42	om	o	o	0.0				
Bath ...	30.36	47	W	5	o	30.33	-0.1	49	+7	W	2	o	-	-	49	42	o	o.c.	o.b.c.d	0.7				
London (Kew Obsy.)...	30.33	41	W	1	b	30.31	-0.1	45	+6	SW	2	om	-	Trace	45	38	om.c.b.c.	bm.b.	b.b.ond	5.0				
ICELAND, FAEROE, &c.																								
Spitzbergen ...	29.81	-4	-	0	b	29.78	-0.0	12	+15	-	0	s	-	?	12	-8	GALES.							
Isafjord ...	29.18	41	S	8	r	29.47	-0.2	36	+10	-	0	b	-	-	-	-	Duration and Extreme Force in British Islands							
Reykjavik ...	29.36	40	S	3	o	29.55	+0.3	35	+6	E	1	o	-	-	-	-								
Vestmanna ...	29.42	40	S	2	c	29.56	+0.1	33	+1	-	0	bc	3	-	-	-								
Seydisfjord ...	29.61	39	E	2	s	29.46	+0.1	41	+13	SW	4	bc	-	-	-	-								
Thorshavn ...	29.89	39	SE	4	o	29.65	+0.4	46	+12	WNW	5	c	-	-	-	-								
SCANDINAVIA.																								
Haparanda ...	29.39	16	N	2	bc	29.55	+0.3	24	-3	N	2	o	-	0.08	27	9								
Hernösand ...	29.56	28	N	4	b	29.75	+1.1	22	-4	N	2	b	-	-	30	21								
Stockholm ...	29.50	27	NNW	4	b	29.69	+0.4	23	-5	WNW	2	b	-	-	28	23								
Wisby ...	29.43	37	ENE	4	o	29.69	+0.6	35	-2	N	6	b	-	-	37	34								
Karlstad ...	29.69	26	-	0	b	29.82	+0.2	21	-14	-	0	bc	-	0.24	36	18								
Vardö ...	29.41	27	-	0	s	29.51	+0.2	28	+2	-	0	s	2	-	28	16								
Bodö ...	29.55	32	-	0	b	29.81	+0.1	26	-11	E	1	b	1	-	37	25								
Christiansund ...	29.73	38	WSW	4	o	29.85	+0.1	39	+1	NW	2	o	5	0.32	41	34								
Skudesnaes ...	29.88	34	-	0	b	29.94	-0.0	37	+1	ESE	2	o	2	-	37	32								
Færder (X'ania Fjord)	29.73	38	N	5	b	29.85	+0.2	35	-4	NNW	3	b	2	-	39	34								
The Scaw (Skagen)...	29.75	41	NNE	8	b	29.82	-0.2	40	-2	NNW	4	c	2	-	43	36								
Blaavands Huk ...	29.86	42	NNW	8	b	29.03	+0.1	44	+2	NW	4	o	4	0.08	50	41								
GERMANY, &c.																								
Cuxhaven ...	29.85	42	NNW	9	b	30.09	+0.3	41	-4	W	3	o	0	0.08	46	39								
Berlin ...	29.62	37	W	6	b	30.05	+0.8	34	-7	NW	3	o	-	0.35	43	34								
Frankfurt ...	30.10	43	W	4	o	30.31	+0.8	34	-2	W	4	s	-	0.04	39	34								
Munich ...	30.15	37	W	8	o	30.19	-0.1	47	0	WSW	2	r	2	0.24	48	46								
The Helder ...	30.10	48	WNW	6	o	30.30	-0.0	43	+6	WSW	2	r	-	-	43	37								
Brussels ...	30.28	42	WNW	2	o	30.34	+0.1	47	+1	W	5	o	5	-	48	45								
C. Gris Nez...	30.44	47	W	5	m	30.42	-0.1	47	0	SW	4	o	4	-	50	43								
Ushant...	30.47	48	SW	2	bc	30.39	-0.1	50	0	SW	3	o	3	-	55	45								
Brest (St. Mathieu) ...	30.50	50	SW	2	c	30.44	-0.2	50	+4	SSW	2	o	3	-	55	45								
Lorient (Bec Melen)...	30.50	48	E	2	o	30.45	-0.1	45	+2	SE	1	o	2	-	54	41								
Rochefort (Ile d' Aix) ...	30.50	49	ENE	3	m	30.45	-0.4	34	-15	E	3	m	-	Trace	50	34								
Biarritz ...	30.44	45	E	3	b	30.38	-0.1	35	-11	E	3	m	2	-	48	34								
Paris ...	30.41	46	W	3	o	30.42	-0.1	45	+12	SW	2	o	-	-	47	32								
Belfort ...	30.41	36	WSW	6	c	30.45	-0.1	34	+2	W	4	r	-	0.04	39	32								
Lyons ...	30.51	35	WNW	2	b	30.45	-0.1	34	-2	WNW	2	b	-	-	44	33								
Nice ...	30.28	40	-	0	c	29.96	-0.1	58	+11	-	0	c	2	-	59	45								
Perpignan ...	30.34	52	NW	3	b	30.31	+0.1	39	-11	SW	1	b	-	-	59	37								
Sanguinaire...	30.14	55	N	2	m	30.15	-0.1	53	-	E	3	m	4	-	59	43								
</																								

BAROMETER, WIND AND WEATHER FOR 7 A.M. AND 6 P.M. 14TH DECEMBER.



NOTE.—On this chart the areas over which rain has fallen within the 24 hours from 7 a.m., are stippled.



GENERAL INFERENCE

WEATHER PROSPECTS.

The barometrical indications are rather slight and indefinite, but they appear to show that a

depression on the Atlantic is approaching the United Kingdom.

FORECASTS FOR THE 24 HOURS NOON MONDAY

TO NOON TUESDAY.

0 { a
b
1
2 { a
b
3
4 { a
b
5

Wind mainly between West and South-West or South, light or moderate, fresh later in places; much cloud, some rain and mist; temperature above the normal.

FORECAST DISTRICTS.



STORM WARNINGS.

The Coasts upon which the Warning signals are at present displayed are indicated thus:—

Signals hoisted yesterday.	Signals hoisted this morning
South Cone.	South Cone.
North Cone.	North Cone.

No Warnings Issued.

6 { a
b
7 { a
b
8 { a
b
9 { a
b
10 { a
b

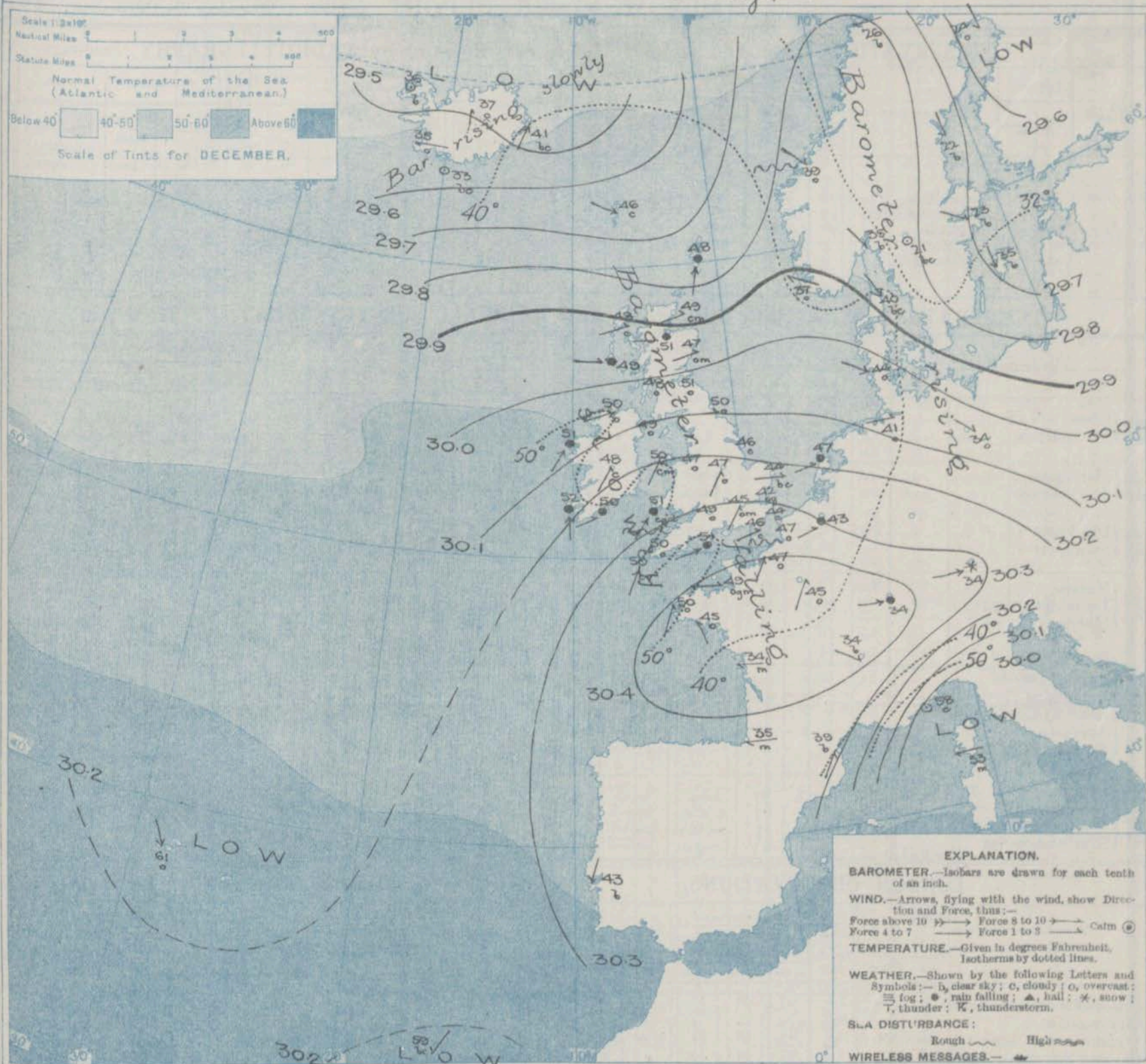
Wind mainly South-Westerly or Southerly, light or moderate to fresh; strong locally later; much cloud, some rain and mist; mild.

11 WESTERN CHANNEL AND BAY.

South-Westerly and Southerly winds light to fresh; much cloud, some rain and mist; sea slight or moderate.

THE FURTHER OUTLOOK.

SYNOPTIC CHART FOR 7 A.M. Monday, 15th DECEMBER 1913.



NOTES ON THE GENERAL SITUATION AT 7 A.M.

The barometer is above 30.4 in. over the greater part of France and relatively high in a ridge extending thence to the north of Norway. In the east of Iceland the readings are below 29.5 in., and in the north of Sweden below 29.6 in.

The wind is fresh from South at Valencia, and from South-West at Pembroke, but over the Kingdom generally light or moderate breezes from between West and South-West are reported. Beyond the North Sea the direction is mainly North-Westerly and the force light

or moderate. Temperature has risen in the United Kingdom and the nearer regions of the Continent, falling in Sweden and Germany. In this country it ranges from 50° or slightly higher at several stations in the southwest, west and north to 42° at Clacton-on-Sea. The weather is very cloudy or overcast in almost all parts of the United Kingdom and its immediate neighbourhood, while rain is falling at several places. In Scandinavia and the north of Denmark the weather is fair to bright, in North Germany it is overcast; at Munich snow is falling.

DAILY WEATHER REPORT.

Monday, 15th December, 1913.

OBSERVATIONS from the ATLANTIC OCEAN received by RADIOTELEGRAPHY.

DATE AND HOUR.	POSITION.		NAME OF SHIP.	O = Outward. H = Homeward.	BAROMETER.		WIND.		WEATHER.	DATE AND HOUR.	POSITION.		NAME OF SHIP.	O = Outward. H = Homeward.	BAROMETER.		WIND.		WEATHER.
	Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.			Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.	
14th, 6 p.m.	51	13	Lusitania	O	30.20	-0.5	WSW	4-5	bc										
" "	51	12	Empress of Britain	O	30.19	-0.6	SW	4-5	o										
" 7 a.m.	50	14	Manitou	O	30.24	-0.8	SSW	4-5	m										
" "	49	12	Marquette	H	30.35	0.0	SSW	4-5	m										
" "	48	11	Minneapolis	H	30.42	+0.3	S	4-5	c										

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

STATIONS.	Rainfall.	TEMPERATURE.		WEATHER.		Sunshine to 6 p.m.	STATIONS.	Rainfall.	TEMPERATURE.		WEATHER.		Sunshine to 6 p.m.
		Max.	Min.	Forenoon.	Afternoon.				Max.	Min.	Forenoon.	Afternoon.	
Scot. land.	In.	F.	F.			Hr.	Margate	In.	F.	F.			Hr.
(Oban	Ramsgate	...	...	...	...	...	...
(St. Andrews	Folkestone	...	...	...	...	...	...
Eng. N.E.	Hythe	...	...	...	...	...	...
(Harrogate	Littlestone	...	...	...	...	...	...
(Scarborough	Hastings	...	...	...	...	...	...
Eng. N.W.	Bexhill-on-Sea	...	...	...	...	...	...
(Blackpool	Eastbourne	...	...	...	...	...	...
(Southport	Seaford	...	...	...	...	...	...
Mid. lands.	Brighton	...	...	...	...	...	...
(Buxton	Worthing	...	...	...	...	...	...
(Leamington Spa	Littlehampton	...	...	...	...	...	...
(Malvern	Southsea	...	...	...	...	...	...
Wales.	Ryde	...	...	...	...	...	...
(Rhyl	Ventnor	...	...	...	...	...	...
(Colwyn Bay	Bournemouth	...	...	...	...	...	...
(Llandudno	Weymouth	...	...	...	...	...	...
(Bettws-y-Coed	Exmouth	...	...	...	...	...	...
(Aberystwyth	Teignmouth	...	...	...	...	...	...
(Tenby	Torquay	...	...	...	...	...	...
England, E.	Paignton	...	...	...	...	...	...
(Lowestoft	Falmouth	...	...	...	...	...	...
(Felixstowe	Bude	...	...	...	...	...	...
(Walton-on-Naze	Ilfracombe	...	...	...	...	...	...
(Southend-on-Sea	Weston-super-Mare	...	...	...	...	...	...

LONDON OBSERVATIONS.

STATIONS.	HUMIDITY.		Sunshine for Yesterday.	TEMPERATURE.		Rainfall.	WEATHER.		
	3 p.m. Yesterday.	9 a.m. To-day.		In Screen.	Min. on Grass.		Forenoon.	Afternoon.	Night.
Greenwich (Royal Obs.)	78	94	2.0	47	39	31	b	b	b-o-r.
City (Sunhill Row)	...	...	0.2	...	...	...	...	...	...
Westminster (St. James's Pk.)	98	99	1.0	48	39	33	o-o-i	bcm	bcm-b-c-o
Camden Sq. (Brit. Rainfall)	78	97	3.0	47	39	33	b-b-c	bc	*
Hampstead (Reservoir)	...	99	5.0	45	36	29	c-b	b	b-o-k-f
Richmond Park	...	...	4.8	...	...	...	...	...	...
Kew. (See front page.)	...	...	...	...	...	...	...	...	...
VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.									
Total.		Average Rate.		Max. Rate.					
S. Kensington (Roof of M.O.)		194 Joules.		7.0 Milliwatts.		14.0 Milliwatts.			

Additional Observations for Yesterday.

STATIONS.	Rainfall.	TEMPERATURE.		WEATHER.		Sunshine for Yesterday.
		In Screen.	Night Min. on Grass.	Night.	Forenoon.	
Dublin to 4 p.m.	In.	F.	F.	F.		Hr.
Plymouth to 9 p.m.
Darwen
Manchester
Birmingham
Oxford to 8 p.m.
S. Kensington (Museum Grounds to 6 p.m.)

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM TO-DAY AND TO-MORROW

15th & 16th Dec., 1913.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth	8.0	11.48	3.36
	8.1	11.49	3.36
Greenwich	8.1	11.55	3.49
	8.2	11.56	3.49
Wick	8.58	12.7	3.16
	9.0	12.8	3.15
Valencia	8.45	12.36	4.27
	8.46	12.37	4.27

NOTES ON YESTERDAY'S WEATHER.

Temperature remained below 45° in some parts of the Kingdom, but rose to about 50° over a large area during the night. Rain fell in most parts of Ireland and Scotland, but the measurements were mostly slight. In the south-east of England there was much bright sunshine for the time of year; 4.1 hours at Dover, and 5 hours at Kew. In the south-west of England the day was very cloudy or overcast.

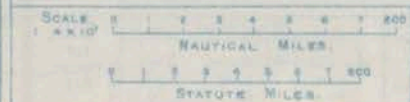
NOTE.—The information relating to weather is indicated by the following letters—b. blue sky; bc. sky half clouded; c. sky three parts clouded; d. drizzling rain; e. wet air, without rain falling; f. fog; g. gloom; h. hail; l. lightning; m. mist; o. overcast sky; p. passing showers; q. squalls; r. rain; s. snow; t. thunder; u. ugly, threatening sky; v. visibility, unusual transparency; w. dew; x. hoar frost; z. dust-haze, or smoke.

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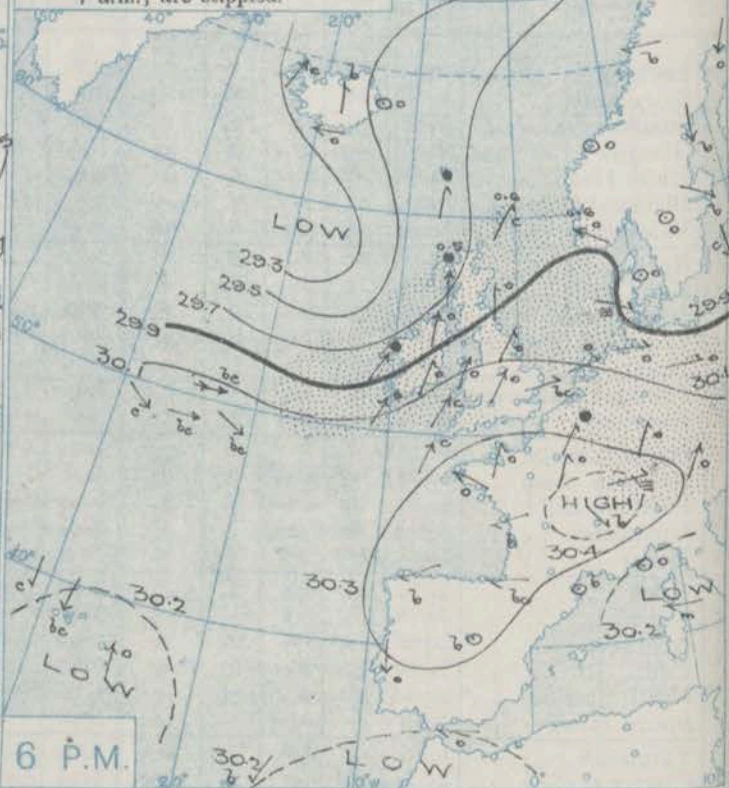
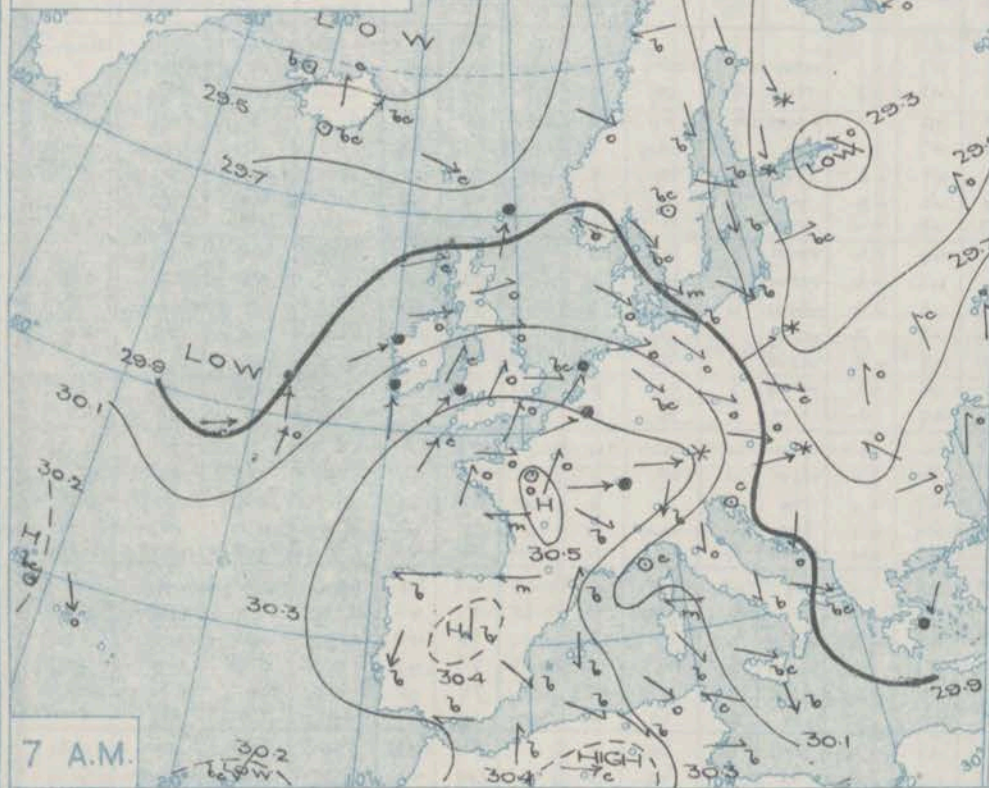
Tuesday,
16th December 1913.

† Received too late for insertion in *Charts*.

BAROMETER, WIND AND WEATHER FOR 7 A.M. AND 6 P.M. 15TH DECEMBER.



NOTE.—On this chart the areas over which rain has fallen within the 24 hours from 7 a.m., are stippled.



GENERAL INFERENCE

WEATHER PROSPECTS.

The depression in the north will probably move away in an easterly direction, but a fresh fall of the barometer in the west of Iceland and some

wireless reports from ships between Iceland and the Azores point to another depression which is likely to arrive over our Islands or their neighbourhood before long.

FORECASTS FOR THE 24 HOURS NOON TUESDAY

TO NOON WEDNESDAY.

- 0 { a } Wind between West and North, increasing to a gale in places; squally, some showers of rain, sleet or snow;
- 1 { b } temporarily colder.
- 2 { a } Wind between West and North-
- 3 { b } West, moderate, fresh or strong at times locally; some showers, but
- 4 { a } mostly fair; temperature falling
- 5 { b } temporarily.

FORECAST DISTRICTS.



STORM WARNINGS.

The Coasts upon which the Warning Signals are at present displayed are indicated thus:—

Signals hoisted yesterday.	Signals hoisted this morning.
South Cone.	South Cone.
North Cone.	North Cone.

South Cone hoisted at 2.10 p.m. yesterday in Districts 6, 7, 9, 10 and parts of 0 and 8. North Cone at 8.57 a.m. today in District 1 and remainder of 0.

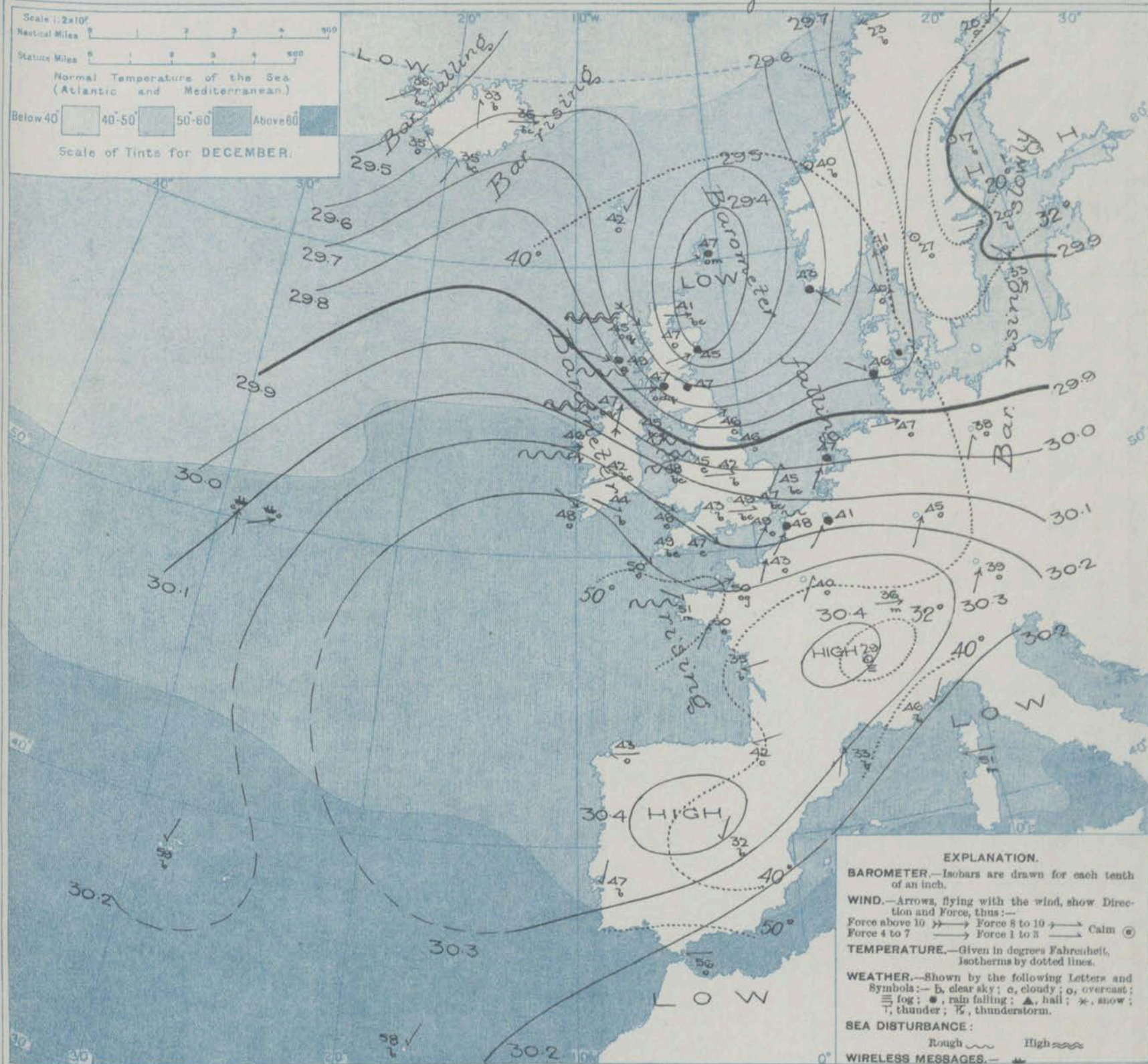
- 6 { a } Strong winds or gales between North and
- 7 { b } West; squally, some showers, rain or sleet locally; colder temporarily.
- 8 { a } Same as Nos. 2 to 5.
- 9 { b } Wind between North-West and South-
- 10 { a } West, varying in force; changeable, some
- 11 { b } showers, hail locally; temperature about normal.

11 WESTERN CHANNEL AND BAY.

North-Westerly and Westerly winds, moderate or fresh; sea moderate or rather rough; some showers, but mostly fair.

THE FURTHER OUTLOOK.

SYNOPTIC CHART FOR 7 A.M. Tuesday, 16th DECEMBER 1913.



NOTES ON THE GENERAL SITUATION AT 7 A.M.

Pressure is below 29.4 in. in a depression having its centre near Shetland, whence the readings increase to above 30.3 in. in the south-west of Ireland and over the Bay of Biscay and France. In the west of Iceland, where the barometer is falling again, the readings are below 29.5 in. According to wireless reports pressure is decreasing, with strong S.^{ly} and S.W.^{ly} winds, in latitude 50° and longitude 28° and 29°.

The wind is strong to a gale from between West and North-West on most parts of our northwestern coasts,

and moderate or fresh from some Westerly point over the Kingdom generally. Beyond the North Sea the wind draws into the Southward and blows strongly at Skudesnaes. Temperature has fallen in most parts of the Kingdom, risen in Germany and Norway. Over these Islands it ranges from 50° or 49° at many places in the south and southwest to 42° at Nottingham and Birr Castle and 41° at Wick. Rain is falling at several places in Scotland and the Netherlands, as well as at Cape Gris Nez and Bloavands Huk, and in several other localities the sky is overcast. Over the greater part of our area, however, the weather is fair or fine.

DAILY WEATHER REPORT.

Tuesday, 16th December, 1913.

OBSERVATIONS from the ATLANTIC OCEAN received by RADIOTELEGRAPHY.

DATE AND HOUR.	POSITION.		NAME OF SHIP.	O- Outward. H- Homeward.	BAROMETER.		WIND.		WEATHER.	DATE AND HOUR.	POSITION.		NAME OF SHIP.	O- Outward. H- Homeward.	BAROMETER.		WIND.		WEATHER.
	Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.			Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.	
16th, 7am	50	29	Tunisian	H	30.14	-0.1	S	6-7	c.	15th, 1pm	50	12	Kronland	O	30.06	?	SSW	(0-12)	c.
	50	28	Empress of Britain	O	30.14	-0.7	WSW	6-7	c.		50	11	Corinthian	O	30.10	-0.6	SSW	4-5	c.
15th, 6pm	49	28	Lusitania	O	30.19	+0.3	WNW	4-5	c.		49	22	Manitou	O	30.88	-0.3	WSW	6-7	c.
	49	24	Manitou	O	30.28	+0.4	W	6-7	bc		49	18	Minnetonka	O	30.01	-0.4	SSW	6-7	c.
	51	22	Empress of Britain	O	30.17	+1.2	W	8-9	bc		51	18	Empress of Britain	O	29.84	-1.0	SSW	4-5	c.
	49	21	Minnetonka	O	30.26	+1.2	WNW	6-7	bc										

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.	STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.
			Max.	Min.	Forenoon.	Afternoon.					Max.	Min.	Forenoon.	Afternoon.	
Scot- land.	{ Oban	In.	F. °	F. °	ro. bcp	o	Hr.	{ Margate	In.	F. °	F. °			Hr.	
	{ St. Andrews	0.16	51	45	"	"	0.0		{ Ramsgate	52	40			0.4	
Eng- N.E.	{ Harrogate	"	49	42	c. bc.	c. o.	0.7	{ Folkestone	52	35			1.0		
	{ Scarborough	"	53	43	c. b.	c. b.	2.8	{ Hythe	50	37	b. bc.	bc.	0.0		
Eng- N.W.	{ Blackpool	"	50	46	o	o	0.0	{ Littlestone	"	"	"	"	0.0		
	{ Southport	"	51	46	o	o	0.0	{ Hastings	"	51	40	o. c.	o	0.2	
Mid- lands.	{ Buxton	0.06	49	40	bc. r	bc.	1.3	{ Bexhill-on-Sea	"	51	40	o. c.	o	0.6	
	{ Leamington Spa	"	52	38	cb	cb	0.1	{ Eastbourne	"	52	42	o. bc	bc. o.	0.0	
Wales.	{ Malvern	"	52	40	bc	bc	0.3	{ Seaford	"	51	42	o	o	0.3	
	{ Rhyl	"	54	46	c. bc.	bc. c.	1.8	{ Brighton	"	51	41	om. o. c.	o	0.4	
England, E.	{ Colwyn Bay	"	52	45	bc. b.	bc.	0.8	{ Worthing	0.01	52	39	c	c. o.	0.2	
	{ Llandudno	"	51	47	o	b	0.3	{ Littlehampton	0.01	"	"	"	"	0.2	
England, S.W.	{ Bettws-y-Coed	0.11	50	46	r. o.	c. o.	0.0	{ Southsea	"	51	41	f	o. c.	0.5	
	{ Tenby	0.10	51	47	cd	o	0.1	{ Ryde	"	52	40			0.0	
England, S.E.	{ Lowestoft	"	51	38	c. bc.	bc. c.	1.4	{ Ventnor	0.08	51	44	"	"	0.0	
	{ Felixstowe	"	50	38	o	o	0.0	{ Bournemouth	"	51	44	o	o	0.0	
England, S.W.	{ Walton-on-Naze	"	49	38	of. om	om	0.0	{ Weymouth	"	52	46	od	o	0.0	
	{ Southend-on-Sea	"	50	38	o. bc.	bc. o.	0.9	{ Exmouth	"	53	44	c. bc	c	1.5	
England, S.E.	{ Weston-super-Mare	"	51	46	bc. c.	bc. c.	1.4	{ Teignmouth	"	51	46	bc	c. o.	0.1	
	{ Weston-super-Mare	"	51	46	bc. c.	bc. c.	1.4	{ Torquay	"	52	43	c. bc	c	1.0	
England, S.W.	{ Weston-super-Mare	"	51	46	bc. c.	bc. c.	1.4	{ Paignton	"	50	46	c	o	0.1	
	{ Weston-super-Mare	"	51	46	bc. c.	bc. c.	1.4	{ Falmouth	0.06	54	48	o. cdp	o	0.0	
England, S.E.	{ Weston-super-Mare	"	51	46	bc. c.	bc. c.	1.4	{ Bude	0.11	51	48	od. eo	o	0.0	
	{ Weston-super-Mare	"	51	46	bc. c.	bc. c.	1.4	{ Ilfracombe	"	51	46	dc	bc. c.	0.0	

LONDON OBSERVATIONS.

Additional Observations for Yesterday.

STATIONS.		Humidity.	Sun- shine for Yester- day.	TEMPERATURE.		Rain- fall.	WEATHER.		Sun- shine for Yester- day.
				In Screen.	Min. on Grass.		Fore- noon.	After- noon.	
Greenwich (Royal Obs.) ...	85	72	0.0	51	45	36	o	o	o. c. b.
City (Banhill Row) ...	85	72	0.0	51	45	36	o	o	o. c. b.
Westminster (St. James's Pk.) ...	85	72	0.0	51	45	37	om	o	o. c. b. m.
Camden Sq. (Brit. Rainfall) ...	89	78	0.0	51	44	37	om. o.	o. c.	o. c. b.
Hampstead (Reservoir) ...		77	0.0	49	42	28	om.	o	o. c. b. c.
Richmond Park ...			0.0						
Kew. (See front page.) ...			0.0						
VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.									
S. Kensington (Roof of M.O.)		85	73	0.0	Total.	Average Rate.	Max. Rate.	S. Kensington	
					57 Joules.	2.0 Milliwatts.	5.0 Milliwatts.	(Museum Grounds to 8 p.m.)	
								Trace	
								51	
								41	
								32	
								bc. od	
								od. o	
								o	

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON
AND SUNSET FOR STATIONS IN THE UNITED KINGDOM
TO-DAY AND TO-MORROW

NOTES ON YESTERDAY'S WEATHER.

16th, 17th Dec., 1913.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth	8.1	11.49	3.56
	8.2	11.49	3.56
Greenwich	8.2	11.56	3.49
	8.3	11.56	3.49
Wick	9.0	12.8	3.15
	9.1	12.8	3.15
Valencia	8.46	12.37	4.27
	8.47	12.37	4.27

Temperature rose to 50° or a little above over a large portion of the Kingdom. More than 0.5 in. of rain has fallen in the extreme north, and smaller quantities at many places in the west and north. Very little bright sunshine was recorded, the largest amount being 2.8 hours at Scarborough. According to wireless reports strong winds between South and West prevailed on the Atlantic between the Irish coast and the 28th meridian. Sales were experienced on our north-west coasts during the night.

Notes.—The information relating to weather is indicated by the following letters:—b. blue sky; bc. sky half clouded; c. sky three parts clouded; d. drizzling rain; e. wet air, without rain falling; f. fog; g. gloom; h. hail; i. lightning; m. mist; o. overcast sky; p. passing showers; q. squalls; r. rain; s. snow; t. thunder; u. fog, drizzling sky; v. visibility, unusual transparency; w. dew; x. hour frost; z. dust, haze, or smoke.

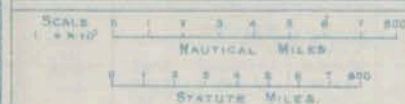
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DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

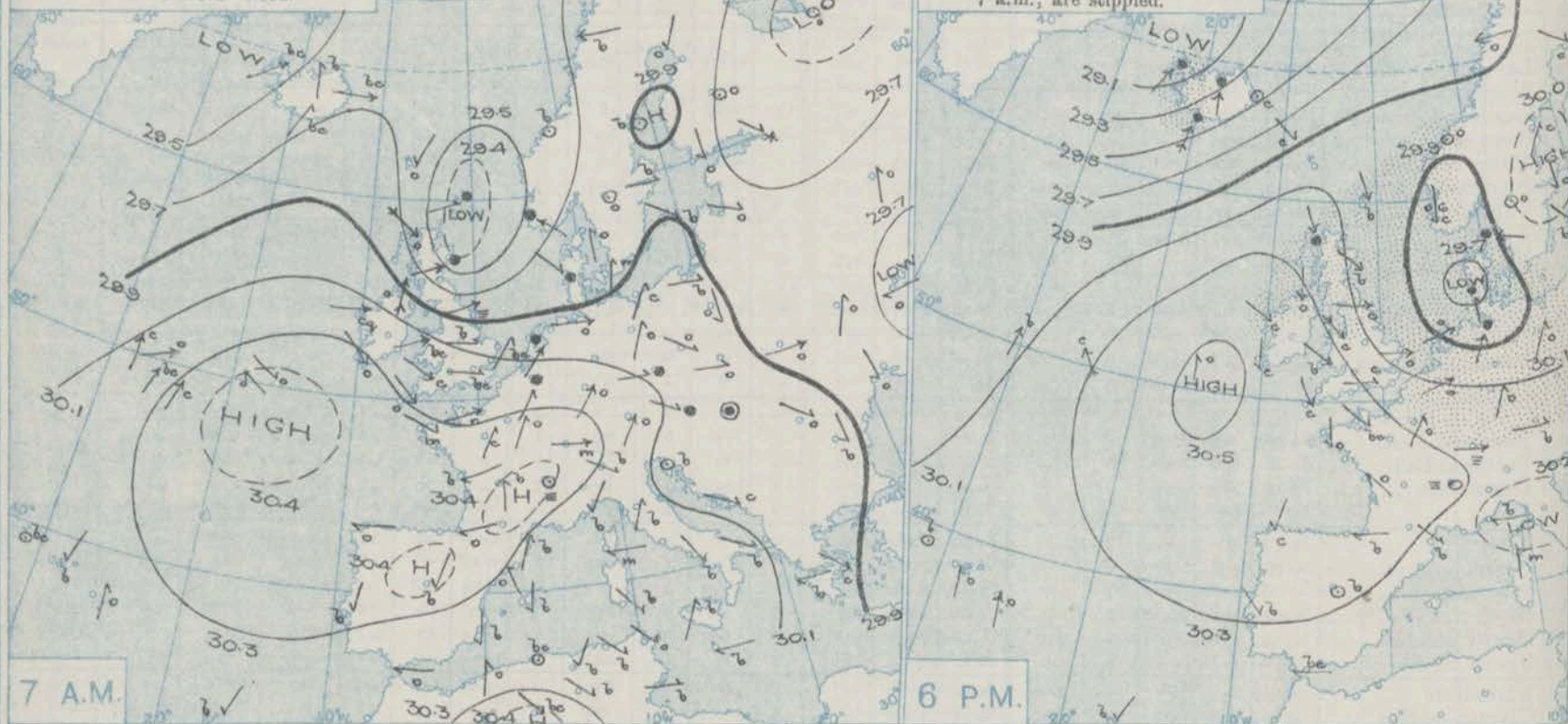
Wednesday
17th December, 1913.

STATIONS.	YESTERDAY EVENING.					THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.										Sun- shine for Yester- day.
	BAROM.		TEMP.		WIND.	Force (0 to 12).	Weather	BAROMETER.		TEMP.		WIND.		Force (0 to 12).	Weather.	Sea (0 to 9).	Rain fall.	TEMP.		WEATHER.						
	At 32° F. and M.S.L. Lat. 45°	Dry Bulb.	Dir.	Force (0 to 12).				At 32° F. and M.S.L. Lat. 45°	Change since 4 a.m.	Dry Bulb.	Change since Yester- day.	Dir.	Force (0 to 12).					Weather.	Max.	Min.	Morning 7 a.m. to 1 p.m.	Afternoon 1 p.m. to 6 p.m.	Night 6 p.m. to 7 a.m.			
BRITISH ISLANDS.	Lerwick ...	29.99	44	NNW	5	bq	30.31	+0.3	46	-1	WSW	2	bc	1	0.03	48	40	cd. a	cpq. b	bc. a. bc						
	Stornoway ...	30.22	43	NNW	6	cpq	30.44	+0.4	44	-1	W	3	c	2	0.06	48	41	cd. a. cpq	a. cpq	cpq		0.0				
	Castlebay (Barra Isd.)	30.27	47	NW	4	o	30.49	+0.4	47	-2	NW	2	d	3	0.02	49	44	o. cp	cp	dp. cd		0.1				
	Glasgow ...	30.16	44	WNW	4	b	30.50	+0.6	35	-12	-	0	bq	*	0.02	48	34	o. c. bep	bc. a. b	b. b. x		1.3				
	Malin Head ...	30.31	45	N	6	o	30.52	+0.3	46	-1	NNW	2	bc	2	0.06	51	42	og	ompq	bc		*				
	Blacksod Point ...	30.43	48	NW	3	cp	30.54	+0.2	47	+1	NW	1	om	2	0.02	48	43	cp. cp	cp. cp	omp. cm		*				
	Valencia ...	30.49	47	N	2	c	30.57	+0.2	41	-7	ESE	1	c	3	-	49	40	cp	cp	o. c.		0.2				
	Rochester Point ...	30.45	47	WNW	3	bc	30.58	o	44	0	NE	1	o	2	-	48	43	b. bc. c	c. bc	c. o.		*				
	Birr Castle ...	30.43	45	W	2	o	30.55	o	42	0	NW	1	c	*	-	47	41	c	c. o	c		2.8				
	Donaghadee ...	30.25	45	NW	4	bc	30.50	+0.5	46	+1	NW	2	cp	2	0.01	47	44	bcq	bc	bc. cp		0.6				
	Liverpool Obsy. ...	30.23	46	WNW	5	o	30.48	+0.5	41	-4	NNW	1	b	2	0.02	48	40	og	og	dp. b.		3.0				
	Holyhead ...	30.28	48	NW	8	c	30.49	+0.5	47	-1	N	4	b	5	-	48	46	c. bc. cp	o. bc. c	o. c. b.		4.0				
	Pembroke (St. Ann's Hd)	30.36	47	NW	4	b	30.49	+0.5	47	-1	N	2	cp	2	-	50	47	og	bcq	bcq		4.0				
	Newquay ...	30.37	49	NNW	5	c	30.47	+0.2	49	0	N	2	c	3	-	49	48	bc	bc	bc. c.		3.3				
	ICELAND, FAEROE, &c.	Scilly (St. Mary's) ...	30.43	49	NNW	4	c	30.50	+0.1	48	-2	N	3	cv	4	-	52	47	bc	cv	cv		1.2			
Jersey (St. Aubin) ...		30.36	48	NW	3	bc	30.43	o	49	-1	NW	3	og	3	-	52	48	od. o. c	c. bc	c. og		1.0				
Portland Bill ...		30.31	48	NW	5	c	30.45	+0.4	43	-4	N	4	b	3	-	52	41	c. bc	bc	c. bc.		*				
Dungeness ...		30.18	47	WNW	3	c	30.27	+0.2	46	-3	NNW	4	bc	3	-	50	42	c. b	c. bc	o. bc.		*				
Dover ...		30.16	45	W	4	o	30.26	o	43	-5	NNW	6	od	3	Trace	49	43	c. bc. b	b. bc. c	o. bc.		4.7				
Wick ...		30.07	45	NW	7	c	30.42	+0.4	42	+1	-	0	bc	3	0.03	47	38	bc. ogp	ogp	a. bc		*				
Nairn ...		30.16	45	NNW	6	bc	30.46	o	40	-7	W	1	cp	2	0.02	48	38	cdq	cdq	g. bc.		0.0				
Aberdeen ...		30.03	45	NW	7	b	30.47	+0.6	42	-3	NW	2	c	2	0.19	48	42	bc. ogp	ogp. bq	bq. ep		1.6				
Leith ...		30.09	48	WNW	2	b	30.48	+0.6	39	-8	W	1	bq	*	0.01	52	38	c. o	c. bc.	bc. b.		*				
North Shields ...		30.02	46	W	4	c	30.45	+0.8	45	-1	W	3	c	2	Trace	52	42	cp	c	c		3.8				
Spurn Head ...		29.96	47	W	7	c	30.30	+0.6	47	+1	N	7	ogp	6	0.02	49	43	cp	cp	cp		1.2				
Yarmouth ...		30.00	46	W	4	om	30.24	+0.5	47	+2	WNW	4	or	4	0.01	48	42	bc	bc. c	ogp		4.4				
Clacton-on-Sea ...		30.11	46	W	4	bc	30.27	+0.6	44	-3	WNW	3	og	2	Trace	47	43	bc	bc. bc	bc. ogp		3.9				
Nottingham ...		30.13	47	WNW	6	b	30.41	o	45	+3	N	5	o	*	-	48	41	bc. o.	o. c. b	bc.		0.0				
Bath ...		30.29	46	NW	1	o	30.46	o	36	-7	NW	1	b	*	-	49	35	b. bc. o	o	o. c. bc. b		2.8				
London (Kew Obsy.) ...	30.20	46	W	3	c	30.36	+0.4	45	-4	NW	3	o	*	-	49	45	bc. b. m. b	b. bc. o. c	c. bc. o.		4.1					
SCANDINAVIA.	Spitzbergen ...	29.57	32	S	3	o	29.39	-0.8	33	+4	S	10	o	*	-	34	27									
	Isafjord ...	29.07	38	SW	7	r	29.24	o	32	-3	-	0	S	*	-	*	*									
	Reykjavik ...	29.32	44	S	9	r	29.45	+0.2	44	+9	S	5	r	*	-	*	*									
	Vestmanna ...	29.47	45	SSW	8	r	29.59	+0.1	47	+12	SW	8	o	2	-	*	*									
	Seydisfjord ...	29.52	47	-	0	c	29.49	+0.3	56	+20	SW	7	b	*	-	*	*									
	Thorshavn ...	30.02	41	NW	3	c	30.15	+0.3	45	+3	W	7	o	*	-	*	*									
	Haparanda ...	29.92	22	NW	2	o	30.13	+0.4	22	+2	N	2	o	*	-	23	19									
	Hernösand ...	30.06	9	SW	2	c	30.26	+0.8	12	-5	-	0	c	*	-	18	1									
	Stockholm ...	30.02	23	N	2	o	30.23	+0.8	27	+7	NW	2	o	*	-	27	19									
	Wisby ...	29.93	28	NNW	2	b	30.21	+1.2	33	0	NE	2	b	*	-	36	27									
	Karlstad ...	30.00	27	-	0	o	30.28	+0.6	21	-6	-	0	c	*	-	32	19									
	Vardö ...	29.97	29	NE	6	S	30.06	o	24	-2	S	2	o	2	-	32	25									
	Bodö ...	29.86	25	E	4	o	30.00	+0.4	28	+5	ESE	4	o	2	-	28	23									
	Christiansund ...	29.92	38	-	0	o	30.21	+0.6	42	+2	WNW	1	o	4	0.04	42	36									
	Skudesnaes ...	29.85	41	N	2	c	30.28	+0.7	37	-6	-	0	b	2	0.63	43	36									
Færder (K'ania Fjord)	29.88	37	ESE	4	o	30.28	+0.8	35	-6	NNE	4	b	3	0.08	41	34										
The Scaw (Skagen) ...	29.86	38	ESE	6	r	30.25	+1.2	37	-3	ESE	3	b	1	0.43	46	36										
Blaavands Huk ...	29.65	43	S	1	r	30.16	+1.2	38	-8	ESE	2	f	1	0.24	46	34										
GERMANY, &c.	Cuxhaven ...	29.74	44	SW	5	r	30.01	+1.4	43	-4	NE	3	o	0	0.12	47	43									
	Berlin ...	29.92	44	SW	2	o	30.00	+0.4	40	+2	S	1	o	*	0.32	46	38									
	Frankfurt ...	30.14	41	SW	4	o	30.00	-0.2	41	-4	SW	4	o	*	0.04	48	39									
	Munich ...	30.21	37	W	3	b	30.17	-0.2	35	-4	SW	6	o	*	0.12	45	34									
	The Helder ...	29.87	48	WSW	7	o	30.13	+1.0	46	-1	N	5	bc	3	0.08	48	46									
	Brussels ...	30.11	43	WSW	5	o	30.15	+0.7	44	+3	NW	2	o	*	0.08	46	40									
	C. Gns Nez ...	30.17	48	WNW	6	o	30.28	+0.2	46	-2	NNW	7	c	6	0.04	52	45									
	La Hève ...	30.28	47	NW	5	o	30.34	o	46	+3	WNW	4	o	4	-	50	41									
	Ushant ...	30.35	52	N	4	o	30.43	o	52	0	N	3	o	5	0.08	52	46									
	Brest (St. Mathieu) ...	30.44	50	N	3	o	30.49	o	48	-3	N	2	o	3	-	55	45									
	Lorient (Bec Meles) ...	?	4																							

BAROMETER, WIND AND WEATHER FOR 7 A.M. AND 6 P.M. 16th DECEMBER.



NOTE.—On this chart the areas over which rain has fallen within the 24 hours from 7 a.m., are stippled.



GENERAL INFERENCE

The anticyclonic system to the westward of Great Britain is likely to move

WEATHER PROSPECTS.

slowly eastward or southeastward during the ensuing 24 hours.

FORECASTS FOR THE 24 HOURS NOON WEDNESDAY

TO NOON THURSDAY.

- 0 {
a Wind between North-West and West,
b backing to South-West later, light or moderate; mostly fair; temperature rather low at night.

- 1 {
a
b Wind mainly Northerly, decreasing

- 2 {
a in force; cloudy or overcast with
b a moderately high temperature,

- 3 {
a then fairer and colder, some fog
b

- 4 {
a locally at night.
b

FORECAST DISTRICTS.



STORM WARNINGS.

The Coasts upon which the Warning Signals are at present displayed are indicated thus:—

Signals hoisted yesterday.	Signals hoisted this morning.
South Cone.	South Cone.
North Cone.	North Cone.

North Cone lowered at 9.30 a.m. in district 1 and part of 0.

- 6 {
a Same as Nos. 0 & 1.
b

- 7 {
a Northerly to Westerly winds, light or moderate; fair; temperature falling
b

- 8 {
a Same as Nos. 2 to 5.
b

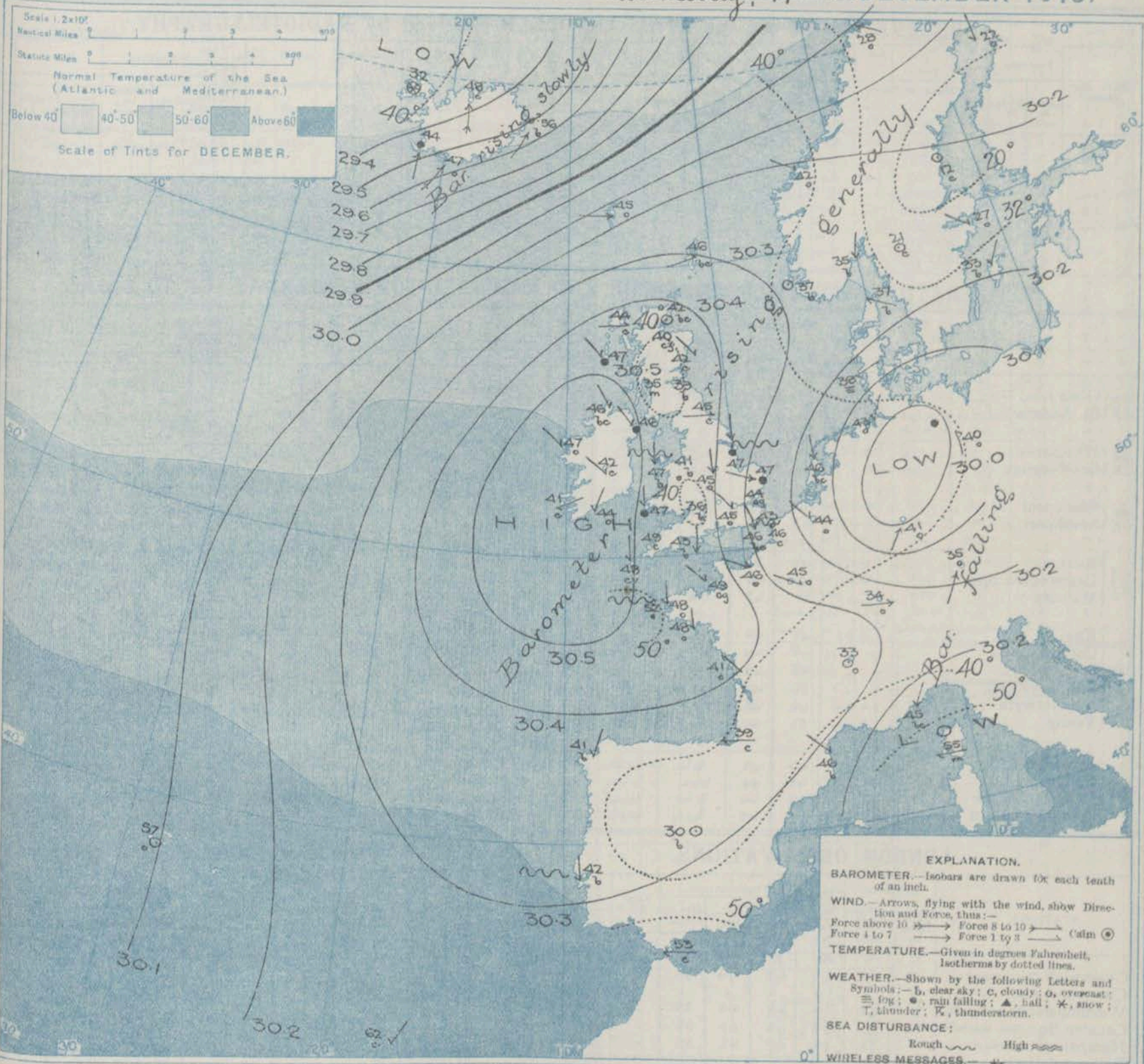
- 9 {
a Wind light variable, then between
b South and West; mostly fair; moderate temperature; some mist or fog locally.

11 WESTERN CHANNEL AND BAY.

Wind Northerly to North-Westerly, light or moderate; sea moderate to nearly smooth; fair generally, some fog locally.

THE FURTHER OUTLOOK.

SYNOPTIC CHART FOR 7 A.M. *Wednesday, 17th* DECEMBER 1913.



NOTES ON THE GENERAL SITUATION AT 7 A.M.

The barometer is below 29.4 in. in a large depression having its centre to the northward of Iceland, and below 30 in. in a disturbance of decreasing intensity over Germany, while in an anticyclone covering Ireland and its neighbourhood the readings are above 30.5 in. Pressure is at present increasing very generally.

The wind over these islands and the North Sea is mainly Northerly, fresh or strong on our east and southeast coasts, moderate to light generally.

In the north of Scotland, however, it

draws into West, and strong Westerly to South-Westerly winds and gales prevail over the Icelandic region. According to a wireless report a strong Southerly wind is blowing on the Atlantic in latitude 51°, longitude 20°. Temperature has fallen in most regions. Over the United Kingdom it ranges from 35° at Glasgow and 36° at Bath to 49° at Newquay and Jersey. The sky is mostly cloudy or overcast both in this country and on the Continent, with rain or passing showers at a few stations in England and on our extreme north-west coasts. In various parts of Scotland, North Wales, and locally elsewhere the weather is fair to bright.

DAILY WEATHER REPORT.

Wednesday, 17th December, 1913.

OBSERVATIONS from the ATLANTIC OCEAN received by RADIOTELEGRAPHY.

DATE AND HOUR.	POSITION.		NAME OF SHIP.	O = Outward. H = Homeward.	BAROMETER.		WIND.		WEATHER.	DATE AND HOUR.	POSITION.		NAME OF SHIP.	O = Outward. H = Homeward.	BAROMETER.		WIND.		WEATHER.
	Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.			Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.	
17th, 7am.	51	20	Tunisian	H	30.30	+0.2	S	6-7	0	16th, 7am.	49	27	Manitou	O	30.25	-0.5	SSW	6-7	bc
	51	11	Haverford	H	30.59	-0.2	SE	1-3	0		49	25	Minnetonka	O	30.28	-0.3	SSW	6-7	c
16th, 6pm.	50	30	Minnetonka	O	30.04	-0.7	SSW	6-7	0		50	19	Haverford	H	30.44	+0.3	SE	1-3	0
	50	25	Tunisian	H	30.26	+0.3	SE	8-9	0		50	18	Kronland	O	30.47	+0.5	WNW	1-3	0
	51	16	Haverford	H	30.54	+0.1	S	1-3	0										

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.	STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.		
			Max.	Min.	Forenoon.	Afternoon.					Max.	Min.	Forenoon.	Afternoon.			
Scot. land.	{ Oban	0.29	52	41	bc. or.	p. bc.	0.0	England, S.E.	{ Margate	1a	F.°	F.°	b	bc	Hr.		
	{ St. Andrews				"	"			{ Ramsgate	48	40					3.0	
Eng. N.E.	{ Harrogate	0.02	46	41	c. bc.	c. o.	1.1		{ Folkestone	47	43					4.8	
	{ Scarborough	"	50	43	c. b.	c. c.	1.0		{ Hythe	49	45	b. bc.	bc.				
Eng. N.W.	{ Blackpool	0.05	50	46	cg.	cg.	0.0		{ Littlestone	"	50	44	a. bc. b.	bc. c.		4.6	
	{ Southport	0.03	47	45	o	o	0.2		{ Hastings	50	45	bc. b.	b. bc. o.			5.2	
Mid- lands.	{ Buxton	0.07	42	39	bc. r.	cr.	0.0		{ Bexhill-on-Sea	52	44	bc. b.	b. bc. o.			4.5	
	{ Leamington Spa	0.01	47	40	bc. b.	c. b. o.	2.0		{ Eastbourne	51	46	b	b			5.0	
	{ Malvern	"	50	43	bc.	bc.	3.9		{ Seaford	49	47	bc.	c. o.			5.0	
									{ Brighton	49	45	b	b. bc.			5.0	
Wales.	{ Rhyl	0.02	48	44	o. c.	c. o.	0.1	{ Worthing	"	"	"	"	"	"			
	{ Colwyn Bay	"	48	44	bc. g.	bc. g. bc.	0.3	{ Littlehampton	49	45	c. bc.	bc. b.			5.3		
	{ Llandudno	"	48	45	o	bc.	0.5	{ Southsea	48	45	b	b			4.0		
	{ Bettws-y-Coed	"	52	42			0.3	{ Ryde	51	43	"	"			6.5		
	{ Aberystwyth	0.04	48	45	r. o. c.	c. or.	0.2	{ Ventnor	49	43	b. bc.	bc. b.			4.8		
	{ Tenby	0.03	51	40	b	b. bc.	4.2	{ Bournemouth	50	44	bc. b.	bc. c.			5.1		
England, E.	{ Lowestoft	"	47	42	b. bc.	bc. c. o.	4.7	England, S.W.	{ Weymouth	"	50	44	bc. b.	bc. c.		3.6	
	{ Felixstowe	"	48	44	bm.	b. bc. g.	4.2		{ Exmouth	52	43	bc. c.	bc. b.			2.5	
	{ Walton-on-Naze	"	47	44	b. bc.	bc. c. b.	4.9		{ Teignmouth	50	42	b. bc.	bc.			2.2	
	{ Southend-on-Sea	"	49	45	bc. b.	b. o. bc.	4.2		{ Torquay	50	43	b	bc.			2.1	
									{ Paignton	50	45	o. bc.	b. o.			2.7	
									{ Falmouth	51	48	bc.	o			1.9	
									{ Bude	0.06	50	47	bc.	bc. c.			4.0
									{ Ilfracombe	49	45	b	b. bc.			6.0	

LONDON OBSERVATIONS.

Additional Observations for Yesterday.

LONDON OBSERVATIONS.										LONDON OBSERVATIONS.										LONDON OBSERVATIONS.									
STATIONS.	HUMIDITY.		Sun- shine for Yester- day.	TEMPERATURE.			Rain- fall.	WEATHER.			STATIONS.	RAIN- FALL.	TEMPERATURE.			WEATHER.			Sun- shine for Yester- day.										
	3 p.m. Yester- day.	9 a.m. To- day.		In Screen.		Min. on Grass.		Fore- noon.	After- noon.	Night.			In Screen.	Night Min. on Grass.	Night.	Fore- noon.	After- noon.												
				Max.	Min.		Max.											Min.											
				24 HOURS ENDED 9 A.M. TO-DAY.																									
Greenwich (Royal Obs.) ...	65	85	3.9	48	44	36	-	6	b.c.o.	o	Dublin to 4 p.m.	in. 0.02	F.° 50	F.° 41	F.° 39	pc.b.	bc	c	hr										
City (Bunhill Row) ...	"	"	1.0	"	"	"	"	"	"	"	Plymouth to 9 p.m.	0.01	51	44	37	o	c.b	c.b	"										
Westminster (St. James's Pl.)	70	94	3.6	49	45	38	-	6	om.	oem	Darwen	0.09	47	41	37	bc.or	oup	oub	00										
Camden Sq. (Brit. Rainfall)	69	83	2.8	48	43	38	-	6	bc.o.	*	Manchester	"	"	"	"	"	"	"	"										
Hampstead (Reservoir) ...	"	83	3.9	47	42	35	-	0bc	bc.o	o.c.	Birmingham	"	48	40	35	"	bc	c.o.	1										
Richmond Park ...	"	"	4.3	VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.							Oxford to 8 p.m.	"	48	41	35	o.b	b	c.o.	"										
Kew. (See front page.)											S. Kensington																		
										Total.			Average Rate.			Max. Rate.													
S. Kensington (Roof of M.O.)	67	81	3.5	177 Joules.			6.3 Milliwatts.			15.5 Milliwatts.																			

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM TO-DAY AND TO-MORROW

17th & 18th Dec. 1913.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth	8.2	11.49	3.36
	8.3	11.50	3.37
Greenwich	8.3	11.56	3.49
	8.4	11.57	3.50
Wick	9.1	12.8	3.15
	9.2	12.9	3.16
Valencia	8.47	12.37	4.17
	8.48	12.38	4.18

The thermometer rose a little above 50° in several parts of the Kingdom, and a large amount of bright sunshine was recorded in most English districts; at Weston-super-Mare the record was 6 hours and at Ventnor 6.5 hours. Slight rain fell in the west and north. Gales from the North-Westward occurred on the north-east coast of Great Britain. Wireless reports show that a Southerly wind prevailed on the Atlantic as far west as the 30th meridian, its force being moderate to strong generally.

NOTE.—The information relating to weather is indicated by the following letters—b. blue sky; bc. sky half clouded; c. sky three parts clouded; d. drizzling rain; e. wet air, without rain falling; f. fog; g. gloom; h. hail; i. lightning; m. mist; o. overcast sky; p. passing showers; q. squalls; r. rain; s. snow; t. thunder; u. ugly, threatening sky; v. visibility, unusual transparency; w. dew; z. hoar frost; x. dust-haze, or smoke.

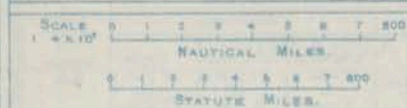
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DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

Thursday,
18th December, 1913.

STATIONS.		YESTERDAY EVENING.					THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.						Sun- shine for Yester- day.
		BAROM.		TEMP.		WIND.	Force (0 to 12).	Weather.	BAROMETER.		TEMP.		WIND.	Force (0 to 12).	Weather.	Sea (0 to 9).	Rain fall.	TEMP.		WEATHER.			
		At 32° F. and M.S.L. Lat. 46°	Dry Bulb.	Direc.	Force (0 to 12).				At 32° F. and M.S.L. Lat. 46°	Change since 4 a.m.	Dry Bulb.	Change since Yester- day.						Direc.	Force (0 to 12).	Max.	Min.	Morning. 7 a.m. to 1 p.m.		Afternoon 1 p.m. to 6 p.m.	Night. 6 p.m. to 7 a.m.
BRITISH ISLANDS.	Lerwick ...	In. 30.47	F. 46	SW	2	c	In. 30.52	In. 00	F. 45	-1	SSW	2	0	2	In. 0.06	F. 47	F. 44	c	cpm	cp om	Hours		
	Stornoway ...	30.55	44	SW	2	bedp	30.55	00	46	+2	WSW	4	0	4	0.02	46	43	cdp	bedp	bc o	0.5		
	Castlebay (Barra Isd.)	30.56	46	WSW	2	cdp	30.57	00	48	+1	SW	4	0	4	0.02	48	44	d.cdp	dp	dpc o	0.2		
	Glasgow ...	30.61	39	-	0	f	30.63	00	41	+6	-	0	0	8	Trace	41	32	bf	f	f o	0.0		
	Malin Head...	30.59	46	W	2	c	30.60	00	44	-2	WSW	2	0	1	0.01	48	43	cm	cg	om	*		
	Blacksod Point	30.59	47	-	0	om	30.57	00	46	-1	S	2	og	2	Trace	48	43	ov	ov o c	ag	*		
	Valencia ...	30.60	44	E	3	o	30.57	00	42	+1	E	1	0	3	-	46	38	c	c	ag	0.2		
	Roches Point ...	30.60	44	NE	2	c	30.58	00	44	0	NE	1	0	1	-	46	43	c.og	og c	bc o	*		
	Birr Castle ...	30.61	44	NW	1	o	30.60	00	42	0	NW	1	0	1	Trace	46	41	o	eo	o	0.0		
	Donaghadee ...	30.62	45	WNW	1	cpdm	30.61	00	43	-3	WNW	1	0	1	0.04	46	42	d.c	cmptd	cmpl o	*		
	Liverpool Obsy. ...	30.61	41	N	2	bc	30.61	00	42	+1	NE	1	om	1	Trace	45	40	bm	bcm	o	3.5		
	Holyhead ...	30.59	41	E	1	b	30.61	00	44	-3	E	1	of	1	-	49	39	bcacp	bc bac	bbc o	5.0		
	Pembroke (St. Ann's Hd.)	30.55	42	NNE	2	b	30.57	-01	43	-4	NE	2	c	2	Trace	49	42	cp	b	b	4.3		
	Newquay ...	30.50	44	NNE	2	b	30.52	00	42	-7	NNE	2	og	2	-	50	41	c.be	bv	bc o	3.4		
	Scilly (St. Mary's)	30.52	48	ENE	3	cv	30.51	00	46	-2	E	4	bc	3	-	51	43	cv	cv	bc	0.0		
ICELAND, FAEROE, &c.	Jersey (St. Aubin)	30.45	47	NE	3	og	30.44	00	47	-2	NE	4	og	3	-	50	45	og	og	og	0.2		
	Portland Bill ...	30.47	43	NNE	3	c	30.47	-00	39	-4	NNE	4	c	3	Trace	46	39	c	c.bc	cod	*		
	Dungeness ...	30.44	46	NNE	5	bc	30.45	+01	44	-2	NE	4	c	4	0.09	48	43	cp o	c.bc	bc ope	*		
	Dover ...	30.40	45	N	5	cp	30.48	00	41	-2	NNE	4	c	4	0.16	46	40	d.or o	o.c	or bc	0.0		
	Wick ...	30.56	44	SW	2	c	30.59	+01	43	+1	SW	2	om	2	-	45	36	bcg.c	c	c om	*		
	Nairn ...	30.58	45	-	0	og	30.59	00	43	+3	-	0	og	1	Trace	45	38	bcg	cg	oge	0.0		
	Aberdeen ...	30.61	41	WNW	2	o	30.64	+01	33	-9	WNW	1	ogx	2	-	46	31	c	c o	og x	0.0		
	Leith ...	30.59	34	-	0	m	30.62	00	41	+2	SW	1	og	9	-	43	30	bcg	bg	f	*		
	North Shields ...	30.60	45	WNW	2	o	30.63	00	44	-1	NW	2	o	2	-	47	43	o	o	o	0.0		
	Spurn Head ...	30.53	46	NNE	4	c	30.55	00	46	-1	E	4	cp	4	Trace	47	43	cg	cg	c	0.0		
	Yarmouth ...	30.47	46	NE	3	or	30.54	+01	45	-2	NE	3	o	2	0.06	47	43	org	bc or	ogr	0.5		
	Clacton-on-Sea ...	30.45	45	NW	2	og	30.51	00	43	-1	NE	3	c	2	0.02	47	41	og	og	ogd bc	0.0		
	Nottingham...	30.56	45	NE	3	o	30.59	00	42	-3	E	1	oe	1	-	47	41	om	o	oc b	0.0		
	Bath ...	30.53	44	NE	1	o	30.55	00	41	+5	E	1	o	1	Trace	47	36	bo	o	op	0.0		
	London (Kew Obsy.)...	30.49	46	NNE	2	o	30.52	00	42	-3	NE	2	o	1	0.01	47	40	o om cmptd	cmptd	oc o	0.0		
SCANDINAVIA.	Spitzbergen ...	28.68	28	SE	6	s	28.67	+02	25	-8	WNW	7	o	1	?	33	16	GALES.					
	Isafjord ...	29.50	35	W	7	o	29.65	-08	30	-2	E	5	c	1	?	?	?	Duration and Extreme Force					
	Reykjavik ...	29.72	37	S	2	o	29.52	-18	35	-9	E	7	o	1	?	?	?	in British Islands.					
	Vestmanna ...	29.76	40	SW	3	r	29.61	-08	39	-8	E	6	c	2	?	?	?						
	Seydisfjord ...	29.60	54	SSW	8	b	29.75	-01	37	-19	E	3	r	1	?	?	?						
	Thorshavn ...	30.29	45	SW	5	r	30.24	-04	47	+2	SW	7	o	1	?	?	?						
	Haparanda ...	30.22	26	SW	4	o	30.06	-02	41	+19	W	4	o	1	-	41	14						
	Hernösand ...	30.33	16	-	0	b	30.31	00	36	+24	-	0	b	1	-	39	12						
	Stockholm ...	30.40	27	NW	2	o	30.43	00	27	0	W	2	o	1	-	28	25						
	Wisby ...	30.40	33	N	2	c	30.48	+01	35	+2	NNW	2	c	1	-	36	32						
	Karlstad ...	30.45	22	-	0	b	30.54	+02	19	-2	NE	2	b	1	-	27	18						
	Vardö ...	29.81	25	NW	8	s	29.62	-04	31	+2	W	8	bc	4	?	31	23						
	Bodö ...	30.00	42	SW	6	r	30.14	+01	42	+14	SW	6	r	4	0.04	43	28						
	Christiansund ...	30.40	44	W	2	o	30.15	00	46	+4	W	2	o	4	-	46	41						
	Skudesnaes ...	30.56	40	-	0	o	30.58	00	39	+2	-	0	o	2	-	41	34						
Færder (X'ianta Fjord)	30.47	34	NNE	1	b	30.53	+01	31	-4	N	1	b	1	-	35	30							
The Scaw (Skagen)...	30.45	38	NW	2	bc	30.61	+01	40	+3	SE	1	o	0	-	40	32							
Blaavands Huk ...	30.52	35	NE	1	o	30.56	-01	41	+3	WSW	1	o	1	-	43	30							
GERMANY, &c.	Cuxhaven ...	30.43	40	NE	3	o	30.56	+02	36	-7	E	2	b	0	-	43	36						
	Berlin ...	30.30	38	N	4	o	30.51	00	35	-5	E	1	o	1	Trace	45	34						
	Frankfurt ...	30.23	43	NE	3	o	30.40	+04	39	-2	NE	3	o	1	0.08	45	39						
	Munich ...	30.23	34	SW	3	r	30.30	+02	32	-3	NE	4	f	1	0.35	36	32						
	The Helder ...	30.43	45	NE	4	c	30.56	+01	39	-7	E	3	b	2	-	48	29						
	Brussels ...	30.38	43	NNE	3	o	30.46	+01	36	-8	ENE	3	o	1	-	47	35						
FRANCE.	C. Gris Nez...	30.38	46	ENE	6	r	30.45	+01	38	-8	E	4	bc	3	0.28	48	37						
	La Hève ...	30.38	46	NE	3	o	30.43	00	37	-9	N	2	b	2	-	48	36						
	Ushant ...	30.47	52	N	3	o	30.43	00	50	-2	NE	4	r	4	0.08	50	45						
	Brest (St. Mathieu)...	30.49	48	NE	2	o	30.46	-01	46	-2	E	2	o	2	-	55	45						
	Lorient (Bee Melen)...	?	49	NE	3	c	?	00	45	-3	NE	3	o	4	-	54	41						
	Rochefort (Ile d' Aix)	30.39	46	NE	3	o	30.31	-01	44	+3	NE	3	c	1	-	46	41						
	Biarritz ...	30.36	45	E	1	o	30.29	-02	41	+2	SE	2	o	2	-	46	37						
	Paris ...	30.34	44	NNW	3	b	30.38	+02	36	-9	N	3	c	1	Trace	47	36						
SPAIN, PORTUGAL, &c.	Belfort ...	30.25	34	W	4	r	30.28	00	37	+3	ENE	6	o	1	0.24	37	34						
	Lyons ...	30.32	38	NE	1	r	30.22	00	39	+6	N	3	o	1	0.04	41	33						
	Nice ...	30.02	48	NE	3	bc	30.04	00	42	-3	NE	4	b	2	-	55	39						
	Perpignan ...	30.26	44	NW	3	bc	30.21	+01	45	-1	NW	3	bc	1	-	53	43						
	Sanguinaire ...	30.05	56	SW	1	m	30.05	00	51	-4	E	2	m	4	-	59	46						
	Corunna (8 a.m.) ...	30.32	55	NE	3	b	30.37	00	50	+9	NE	1	c	3	-	57	41						
	Lisbon (9 a.m.) ...	30.27	49	NNW	4	b	30.26	+01	43	+1	-	0	bc	5	-	54	41						
	Gibraltar ...																						
Azores (Horta, 8 a.m.)	30.07	*	S	1	o	30.02	+01	59	+2	-	0	c	2	-	64	57							
Madeira (Funchal) ...	30.27	58	E	2	b	30.26	+01	58	-4	E	2	b	2	-	73</								

BAROMETER, WIND AND WEATHER FOR 7 A.M. AND 6 P.M. 17TH DECEMBER.



NOTE.—On this chart the areas over which rain has fallen within the 24 hours from 7 a.m., are stippled.

7 A.M.

6 P.M.

GENERAL INFERENCE

WEATHER PROSPECTS.

Anticyclonic weather will continue to prevail over the major part of England and Ireland, but in Scotland the conditions will be influenced by the new depression

which is approaching Iceland from the south-westward. Increasing South-Westerly winds will be experienced on our extreme north and North-West coasts.

FORECASTS FOR THE 24 HOURS NOON THURSDAY

TO NOON FRIDAY.

- 0 {
a South-Westerly to Westerly winds,
b increasing in force; dull, unsettled, some rain; continuing mild.
- 1 {
a South-Westerly winds, freshening; fair to-day, showery to-morrow; becoming temporarily milder.
- 2 {
a Light variable breezes; cloudy, mist or fog locally; normal temperature.
- 3 {
a Easterly and North-Easterly winds
- 4 {
a light or moderate; fair in places,
b but mostly dull and misty; normal
- 5 {
a temperature.

FORECAST DISTRICTS.



STORM WARNINGS.

The Coasts upon which the Warning Signals are at present displayed are indicated thus:—

Signals hoisted yesterday.

South Cone. ✓

North Cone. ✓

Signals hoisted this morning.

South Cone. ✓

North Cone. ✓

No Warnings Issued

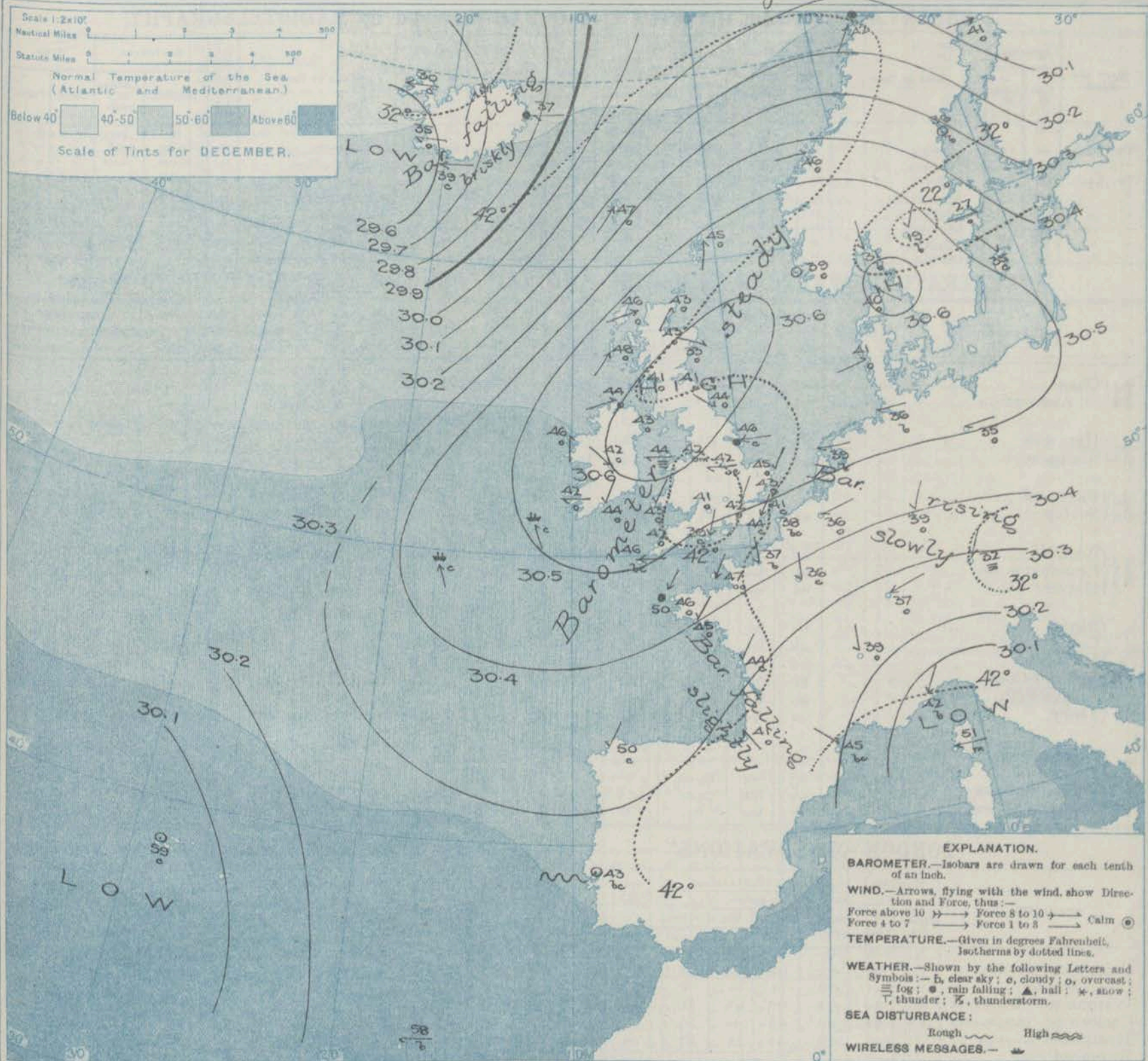
- 6 {
a Same as No. 0
b
- 7 {
a Same as No. 2
b
- 8 {
a Same as Nos 3 to 5.
b
- 9 {
a Variable breezes, finally Southerly;
b cloudy, misty, slight rain locally; normal
- 10 {
a temperature.
b

11 WESTERN CHANNEL AND BAY.

Moderate Easterly and North-Easterly winds, and a slight or moderate sea; cloudy, misty or foggy in places; normal temperature.

THE FURTHER OUTLOOK.

SYNOPTIC CHART FOR 7 A.M. Thursday, 18th DECEMBER 1913.



NOTES ON THE GENERAL SITUATION AT 7 A.M.

A large anticyclone of considerable intensity now covers the whole of North-Western Europe, but another deep depression is approaching Iceland from the South Westward and is causing a brisk fall of the barometer in that Island.

The wind is light to moderate from the Eastward or North-Eastward over the south of our Islands and the western portions of the Continent. Further north a South-Westerly current prevails, and in the Faeroe it is high in force. Temperature has changed rather irregularly. Over the United Kingdom the morning readings range from

a trifle above 45° on our extreme south-western, western and northern coasts to about 42° over Central England, and to 33° at Aberdeen. In the south of Sweden the thermometer is considerably below the freezing point. Dull misty weather is reported over Western Europe generally, and rain is falling in one or two isolated localities. In Sweden and in the south of France the sky is clear. The sea is moderate or slight generally.

DAILY WEATHER REPORT.

Thursday, 18th December, 1913.

OBSERVATIONS from the ATLANTIC OCEAN received by RADIOTELEGRAPHY.

DATE AND HOUR.	POSITION.		NAME OF SHIP.	O = Outward. H = Homeward.	BAROMETER.		WIND.		WEATHER.	DATE AND HOUR.	POSITION.		NAME OF SHIP.	O = Outward. H = Homeward.	BAROMETER.		WIND.		WEATHER.
	Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.			Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.	
18th, Jan.	49	17	Olympic	H	30.43	+0.6	SSE	4-5	c	17th, 6pm	51	16	Tunisian	H	30.39	+0.5	S	4-5	c
"	51	12	Tunisian	H	30.52	+0.2	SSE	1-3	c	"	47	31	Manhattan	H	30.00	0.0	S	4-5	c
17th, 6pm	49	13	Zealand	H	30.48	+1.7	SSE	4-5	o	"	50	30	Lake Michigan	H	29.88	+0.4	NW	4-5	c
"	48	30	Kronland	O	30.06	+0.4	WSW	1-3	c	"	49	26	Kronland	O	30.19	-0.3	S	4-5	c
"	54	27	Hesperian	H	29.84	-0.5	S	4-5	c	"	50	26	Alauria	H	30.10	0.0	S	8-9	c
"	48	25	Olympic	H	30.14	-0.4	SSE	4-5	o	"	50	25	Celie	H	30.17	+0.3	SW	4-5	c
"	50	21	Alauria	H	30.13	0.0	S	6-7	c	"	49	18	Zealand	H	30.42	+0.2	S	4-5	o
"	50	20	Celie	H	30.17	-0.3	SSW	6-7	c										

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sunshine to 6 p.m.	STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sunshine to 6 p.m.
			Max.	Min.	Forenoon.	Afternoon.					Max.	Min.	Forenoon.	Afternoon.	
Scot. land.	Oban	In.	F.	F.	m.	b.c.	0.1	England, S.E.	Margate	In.	F.	F.	c	c	0.0
	St. Andrews	"	43	42	"	"	2.7		Ramsgate	"	48	44	"	"	0.0
Eng. N.E.	Harrogate	"	44	41	c.b.c.	c.o.	0.0	England, S.E.	Folkestone	"	46	45	d.b.c.	b.c.	0.0
	Scarborough	"	48	44	c.o.	c.o.	0.0		Hythe	"	"	"	"	"	0.0
Eng. N.W.	Blackpool	"	46	34	b.c.	c.o.	5.7	England, S.E.	Littlestone	"	"	"	"	"	0.0
	Southport	"	45	37	b	b.b.c.	5.7		Hastings	"	47	41	b.c.o	c.b.c.	0.4
Mid-lands.	Buxton	"	43	36	b.c.	c	0.0	England, S.E.	Bexhill-on-Sea	"	48	42	"	c.b.c.	0.5
	Leamington Spa	"	46	40	"	"	0.0		Eastbourne	"	48	43	c.b.c.	b.c.o.	0.1
Wales.	Malvern	"	48	41	"	"	0.1	England, S.W.	Seaford	"	47	44	"	"	0.0
	Rhyl	"	47	35	c.b.c.	b.c.b.c.	4.7		Brighton	"	48	44	"	c.b.c.	0.5
England, E.	Colwyn Bay	"	46	41	b	b.b.c.	4.3	England, S.W.	Worthing	"	48	42	"	b.c.c.	0.5
	Llandudno	"	48	44	b	b	4.0		Littlehampton	"	"	"	"	"	0.6
England, E.	Bettws-y-Coed	"	53	36	"	"	3.8	England, S.W.	Southsea	"	48	42	c.b.	"	0.1
	Aberystwyth	"	46	41	c.b.c.	b.c.c.	6.0		Ryde	"	47	43	"	"	0.1
England, E.	Tenby	"	49	40	b.c.b.	b	5.5	England, S.W.	Ventnor	"	48	39	"	"	0.1
	Lowestoft	"	47	45	c.c.	c.o.	0.1	England, S.W.	Bournemouth	"	46	38	c.b.c.	b.c.o.	0.8
England, E.	Felixstowe	"	47	44	m.c.	c.o.c.	0.2		Weymouth	"	46	40	b.c.	b.c.	0.6
	Walton-on-Naze	"	46	43	c.c.	b.c.b.c.	0.0	England, S.W.	Exmouth	"	51	42	b.c.b.	b	3.4
England, E.	Southend-on-Sea	"	46	44	"	"	0.0		Teignmouth	"	48	44	b	"	3.7
		"	"	"	"	"	"	England, S.W.	Torquay	"	48	39	b	b.c.c.	3.7
		"	"	"	"	"	"	England, S.W.	Paignton	"	"	"	"	"	"
		"	"	"	"	"	"	England, S.W.	Falmouth	"	50	43	c.c.	b	3.3
		"	"	"	"	"	"	England, S.W.	Bude	"	50	47	b.c.	b.c.	4.3
		"	"	"	"	"	"	England, S.W.	Ilfracombe	"	50	46	b	b.b.c.	4.5
		"	"	"	"	"	"	England, S.W.	Weston-super-Mare	"	48	42	b.b.c.b.	b.b.c.	2.2

LONDON OBSERVATIONS.

Additional Observations for Yesterday.

STATIONS.	HUMIDITY.		Sunshine for Yesterday.	TEMPERATURE.		Rain-fall.	WEATHER.			STATIONS.	Rain-fall.	TEMPERATURE.		WEATHER.			Sunshine for Yesterday.
	3 p.m. Yesterday.	9 a.m. To-day.		Max.	Min.		Forenoon.	Afternoon.	Night.			Max.	Min.	Night.	Forenoon.	Afternoon.	
Greenwich (Royal Obs.)	73	91	0.0	48	41	35	-	0	0	Dublin to 4 p.m.	-	45	40	38	c.o	o	odg
City (Bunhill Row)	"	"	0.1	"	"	"	"	"	"	Plymouth to 9 p.m.	-	49	41	36	c.b.	b.c.	5.4
Westminster (St. James's Pk.)	86	94	0.0	49	42	33	-	b.c.o	om	Darwen	"	42	36	31	b.c.o.	ogb	0.2
Camden Sq. (Brit. Rainfall)	85	92	0.1	48	40	34	-	c.o	0	Manchester	"	44	40	33	"	o	0.0
Hampstead (Reservoir)	"	92	0.3	45	33	27	0.01	c.o.d	c.o.d	Birmingham	"	"	"	"	"	"	"
Richmond Park	"	"	0.0							Oxford to 8 p.m.	"	47	42	38	b.c.o	o.p.c.o	c.o.d
Kew. (See front page.)																	
				VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.						S. Kensington (Museum Grounds to 8 p.m.)	Trace	48	45	38	c.o	o.o.d	odp.o
				Total.		Average Rate.		Max. Rate.									
				72 Joules.		2.6 Milliwatts.		12.5 Milliwatts.									

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM TO-DAY AND TO-MORROW

18th & 19th Dec., 1913.		Sunrise.	Noon.	Sunset.
		G.M.T.	G.M.T.	G.M.T.
Yarmouth	...	8.3	11.50	3.37
	...	8.3	11.50	3.37
Greenwich	...	8.4	11.57	3.50
	...	8.4	11.57	3.50
Wick	...	9.2	12.9	3.16
	...	9.2	12.9	3.16
Valencia	...	8.48	12.38	4.28
	...	8.48	12.38	4.28

The thermometer rose to between 45° and 50° over the United Kingdom generally. On our west and south-west coasts the duration of bright sunshine was generally large for the time of year; elsewhere there was little or none. Slight rain was experienced in several parts of the country. Wireless reports show that as far west as the 31st meridian ships experienced fresh to strong winds from the Southward, with fair but cloudy weather.

NOTE.—The information relating to weather is indicated by the following letters—b, blue sky; bc, sky half clouded; c, sky three parts clouded; d, drizzling rain; e, wet air, without rain falling; f, fog; g, gloom; h, hail; l, lightning; m, mist; o, overcast sky; p, passing showers; q, squalls; r, rain; s, snow; t, thunder; u, ugly, threatening sky; v, visibility, unusual transparency; w, dew; x, hoar frost; z, dust-haze, or smoke.

The Daily Weather Report is sent free by post to any address in the United Kingdom on payment of £1 per annum, for postage and wrappers.

1913.

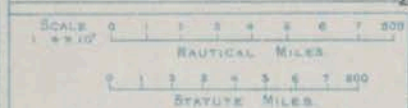
DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

Friday,

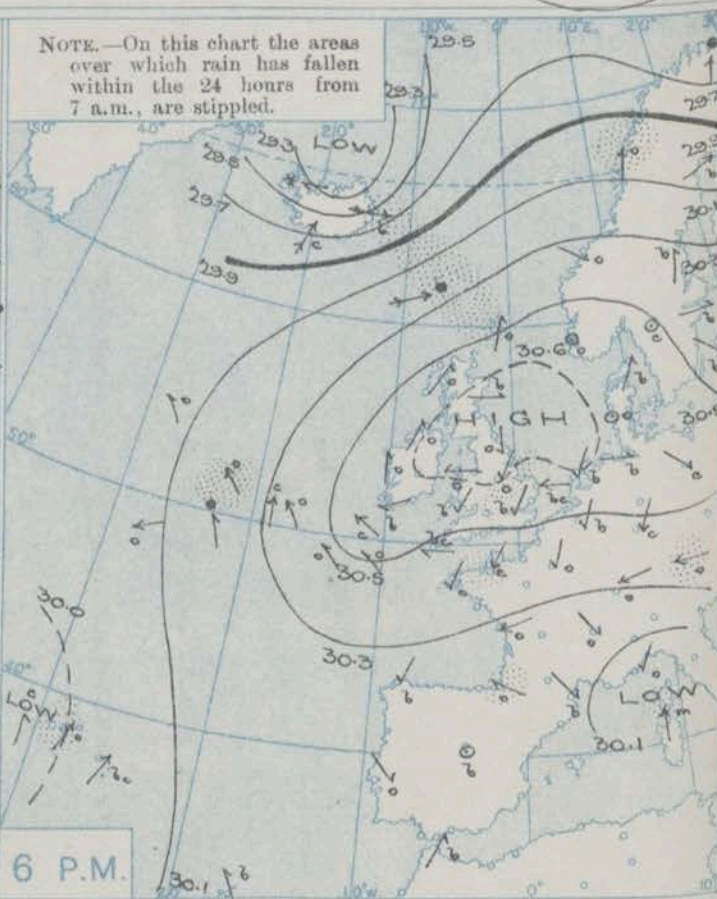
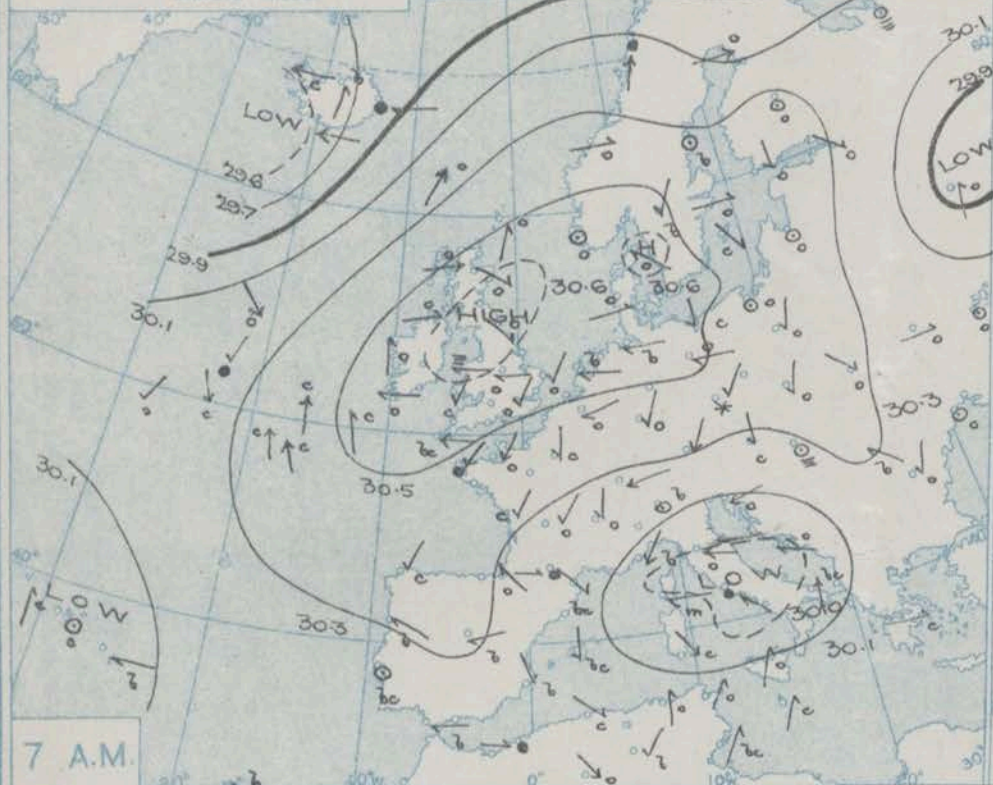
19th December, 1913.

STATIONS.		YESTERDAY EVENING.					THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.							Sun- shine for Yester- day.
		BAROM.		TEMP.		WIND.	BAROMETER.		TEMP.		WIND.	Force (0 to 12).	Weather.	Sea (0 to 9).	Rain fall.	TEMP.		WEATHER.						
		At 32° F. and M.S.L. Lat. 45°	Dry Bulb.	Direc.	Force (0 to 12).		At 32° F. and M.S.L. Lat. 45°	Change since 4 a.m.	Dry Bulb.	Change since Yester- day.						Direc.	Morning. 7 a.m. to 1 p.m.	Afternoon 1 p.m. to 6 p.m.	Night. 6 p.m. to 7 a.m.					
																				Max.	Min.	Morning. 7 a.m. to 1 p.m.	Afternoon 1 p.m. to 6 p.m.	
In.		F.	SSW	3	0	In.	In.	F.	+2	WSW	3	od	2	In.	F.	F.	cmp	capd	gpd	Hours.				
Lerwick ...		30.49	46	SSW	3	0	30.47	+01	47	+2	WSW	3	od	2	0.02	48	44	cmp	capd	gpd	0.0			
Stornoway ...		30.54	46	WSW	4	0	30.56	+01	46	0	W	4	c	4	-	46	45	o	e	o.c.	0.0			
Castlebay (Barra Isd.) ...		30.56	47	SSW	4	0	30.60	00	47	-1	S	3	o	3	-	48	47	c	c	c	0.0			
Glasgow ...		30.64	42	SW	2	0	30.64	00	40	-1	W	1	og	8	-	42	39	og	o	og	0.0			
Malin Head ...		30.61	42	SW	1	0	30.63	00	42	-2	S	1	o	2	-	45	40	om	og	om	0.0			
Blacksod Point ...		30.58	45	S	2	ov	30.60	00	43	-3	N	1	ev	2	trace	46	39	og. ov	ov	ov	0.0			
Valencia ...		30.56	42	ENE	1	b	30.54	-01	42	0	E	2	c	3	-	47	39	bc	b	o.c.	6.0			
Roche's Point ...		30.53	44	NE	1	o	30.56	00	43	-1	E	2	o	2	-	45	43	ogm	ogm	o	0.0			
Birr Castle ...		30.60	44	N	1	o	30.59	00	40	-2	N	1	o	0	-	49	39	bc.c	e.o.	o	0.0			
Donaghadee ...		30.64	44	SW	1	o	30.64	00	43	0	WSW	2	om	1	0.01	45	42	cm	om	om	0.0			
Liverpool Obsy. ...		30.63	41	ENE	2	o	30.62	00	42	0	ENE	1	og	1	-	44	41	ogm	ogm	om	0.0			
Holyhead ...		30.60	44	E	3	omg	30.61	00	44	0	E	2	om	1	-	46	43	o.c.m	omg	om	0.0			
Pembroke (St. Ann's Hd.) ...		30.55	42	NE	3	b	30.55	00	39	-4	NE	3	bm	2	trace	46	39	c	bc.	bc.b	2.8			
Newquay ...		30.50	43	NE	2	o	30.49	+01	34	-8	NE	1	bvx	3	-	45	34	og.cj	og	bcv.bx	0.1			
Scilly (St. Mary's) ...		30.47	46	E	3	bc.	30.46	00	45	-1	E	4	bc	3	-	48	39	bc	bc	c.bc	1.8			
Jersey (St. Aubin) ...		30.42	45	NE	4	c	30.39	00	41	-6	NE	5	ogm	4	trace	48	40	agp.og	o.c	bc.ogm	1.6			
Portland Bill ...		30.50	43	NE	4	b	30.50	00	39	0	ENE	5	b	4	-	46	38	bc.c	cg	b	0.0			
Dungeness ...		30.47	43	NE	5	b	30.48	00	39	-5	E	5	b	5	-	45	38	bc	c.bc	c.bcx	0.0			
Dover ...		30.48	40	ENE	4	b	30.50	00	37	-4	NE	4	b	6	-	43	36	c.bc	b	b.bcb	5.3			
Wick ...		30.57	40	SSW	2	c	30.56	00	42	-1	SSW	2	c	3	-	44	34	om.bc.	bc.c.	c.bce.	0.0			
Nairn ...		30.59	37	-	0	bc	30.58	00	41	-2	-	0	bc	1	-	45	35	cg	cg	bc.	0.9			
Aberdeen ...		30.63	32	W	2	bvx	30.63	00	34	+1	W	1	ogx	2	-	38	29	og	o.bx3	bzx.og	0.5			
Leith ...		30.61	43	NW	1	o	30.62	00	41	0	WSW	1	o	0	-	46	40	og	og	o	0.0			
North Shields ...		30.64	42	N	1	o	30.66	00	40	-4	N	1	o	2	-	45	40	o	o	o	0.0			
Spurn Head ...		30.58	45	E	2	c	30.57	-01	43	-3	ENE	4	cp	3	0.07	47	40	cp	cpv	cpv	0.8			
Yarmouth ...		30.53	42	E	4	bc	30.56	-01	38	-7	N	2	bc	2	-	46	36	bc	bc	bc	4.9			
Clacton-on-Sea ...		30.53	42	NE	4	c	30.54	00	35	-8	N	2	bc	2	-	45	35	c.bc	bc.c	c.bc	4.7			
Nottingham ...		30.60	42	NE	3	o	30.60	00	41	-1	NE	2	ome	0	0.02	45	38	o.c.bc	bc.o	c.od	1.0			
Bath ...		30.54	43	E	2	o	30.57	00	32	-9	E	1	b	0	trace	45	31	o.bc	opg	o.b	0.2			
London (Kew Obsy.) ...		30.54	44	NE	3	b	30.54	00	34	-8	NE	1	bm.x	0	-	45	33	o.c.m	cm.bcb	bbm.x	0.0			
ICELAND, FAEROE, &c.		GALES.																						
		Duration and Extreme Force in British Islands																						
Spitzbergen ...		28.93	13	NNW	6	o	28.92	-04	14	-11	NW	5	5	0	?	25	10							
Isafjord ...		29.36	32	E	2	5	29.89	+01	33	+3	W	9	c	0	0	0	0							
Reykjavik ...		29.71	32	W	10	o	30.13	+02	33	-2	SW	2	bc	0	0	0	0							
Vestmanna ...		29.80	35	SW	9	c	30.19	+02	35	-4	SW	5	c	5	0	0	0							
Seydisfjord ...		29.60	39	W	8	b	30.10	+01	39	+2	SW	4	b	0	0	0	0							
Thorshavn ...		30.10	47	WSW	8	r	30.45	+07	41	-6	WNW	5	o	0	0	0	0							
Haparanda ...		30.05	33	WSW	4	b	29.80	-16	34	-7	SW	4	bc	0	0	41	25							
Hernösand ...		30.32	37	SSW	2	b	30.15	-05	40	+4	W	2	b	0	0	43	34							
Stockholm ...		30.39	30	W	2	b	30.24	-02	26	-1	WNW	2	b	0	0	32	25							
Wisby ...		30.41	39	NW	2	b	30.34	-04	37	+2	N	4	c	0	0	39	30							
Karlstad ...		30.51	18	-	0	c	30.39	-02	26	+7	-	0	o	0	0	27	14							
Vardö ...		29.60	38	SW	7	r	29.27	-12	37	+6	WSW	8	c	4	?	39	19							
Bodö ...		30.04	42	SW	6	o	29.80	00	42	0	WSW	9	o	5	0.35	43	41							
Christiansund ...		30.38	46	WNW	3	o	30.29	00	43	-3	W	5	r	4	0	46	43							
Skudesnaes ...		30.58	38	-	0	o	30.52	-01	37	-2	-	0	o	1	0	41	36							
Færder (Kjanda Fjord) ...		30.56	32	-	0	o	30.40	-04	29	-2	NNW	1	m	1	0	32	28							
The Scaw (Skagen) ...		30.54	39	SW	1	b	30.41	-03	39	-1	SW	1	o	0	0	43	30							
Blaavands Huk ...		30.55	42	-	0	o	30.54	-02	42	+1	NNW	1	o	1	0	43	41							
Cuxhaven ...		30.58	33	W	1	b	30.54	-01	36	0	SW	1	o	0	0	39	30							
Berlin ...		30.56	36	NW	1	c	30.55	+01	31	-4	NW	1	o	0	0	39	21							
Frankfurt ...		30.49	34	NE	4	c	30.52	+01	27	-12	NE	3	b	0	0	43	27							
Munich ...		30.38	30	E	6	o	30.45	+01	23	-9	E	5	o	0	0.04	34	23							
The Helder ...		30.60	39	NE	1	b	30.56	-01	35	-4	SSE	1	c	1	0	45	32							
Brussels ...		30.49	32	NE	3	b	30.50	-01	27	-9	ENE	2	b	0	0	37	27							
C. Gris Nez ...		30.46	35	ENE	4	b	30.49	+01	32	-6	ENE	5	b	3	0	41	32							
La Hève ...		30.41	37	NE	3	o	30.40	00	30	-7	NE	3	bc	2	0	43	27							
Ushant ...		30.39	46	E	3	o	30.36	00	46	-4	E	3	o	3	0.08	52	39							
Brest (St. Mathieu) ...		30.43	45	NE	2	o	30.38	-02	41	-5	ESE	2	o	3	0	55	39							
Lorient (Bac Melen) ...		30.28	42	ENE	4	o	30.21	-01	37	-7	NE	5	o	0	0	48	37							
Rochefort (Ile d'Atx) ...		30.20	42	SE	3	o	30.15	-02	40	-1	ENE	3	o	2	0.04	43	39							
Biarritz ...		30.37	39	NNE	3	o	30.37	+01	29	-7	NNE	3	b	0	0	43	29							
Paris ...		30.23	36	ENE	6	o	30.27	00	28	-9	ENE	7	o	0	0	39	28							
Belfort ...		30.17	39	NW	3	o	30.20	00	32	-7	NW	2	o	0	0	41	31							
Lyons ...		30.03	45	NE	2	o	30.06	+01	46	+4	E	5	o	7	0	54	41							
Perpignan ...		30.13	43	NW	3	b	30.08	+02	41	-4	NW	1	o	0	0	48	40							
Sanguinaire ...		30.03	57	S	6	Y	30.03	00	53	+2	S	4	m	4	0.12	59	45							
Corunna (8 a.m.) ...		30.26	53	NE	3	b	30.30	00	39	-11	NNE	1	b	2	0	54	36							
Lisbon (9 a.m.) ...		30.20	51	NNW	2	o	30.19	+02	35	-8	NNE	4	o	5	0	52	35							
Gibraltar ...		30.16	52	SW	3	b	30.12	00	48	0	NW	4	bc	2	0	59	47							
Azores (Horta, 8 a.m.) ...		30.00	00	SSW	4	o	30.11	+04	58	-1	N	3	c	2	0.08	64	57							
Madeira (Funchal) ...		30.26	58	SE	1	b	30.20	+01	59	+1	SE	1	c	2	0	72	57							

BAROMETER, WIND AND WEATHER FOR 7 A.M. AND 6 P.M. 18TH DECEMBER.



NOTE.—On this chart the areas over which rain has fallen within the 24 hours from 7 a.m., are stippled.



GENERAL INFERENCE

WEATHER PROSPECTS.

There are no indications of any important change in the general distribution

of barometric pressure over the United Kingdom or its immediate neighbourhood.

FORECASTS FOR THE 24 HOURS NOON FRIDAY

TO NOON SATURDAY

- 0 {
a Wind light between West and South-West; mostly fair, some mist locally; moderate temperature.
b
- 1 {
- 2 {
a Wind mainly between East
b and North-East, light or moderate;
3 mostly fair, some mist or fog
4 {
a locally; temperature low, frost at
b night.
5 }

FORECAST DISTRICTS.



STORM WARNINGS.

The Coasts upon which the Warning Signals are at present displayed are indicated thus:—

Signals hoisted yesterday.	Signals hoisted this morning.
South Cone	South Cone.
North Cone.	North Cone.

No Warnings Issued.

- 6 {
a Same as Nos. 0 & 1.
b
- 7 {
a Same as Nos. 2 to 5.
b
- 8 {
a
b
- 9 {
a Light winds, rather variable;
b fair generally, some mist or fog;
temperature rather low.
10 {
a
b

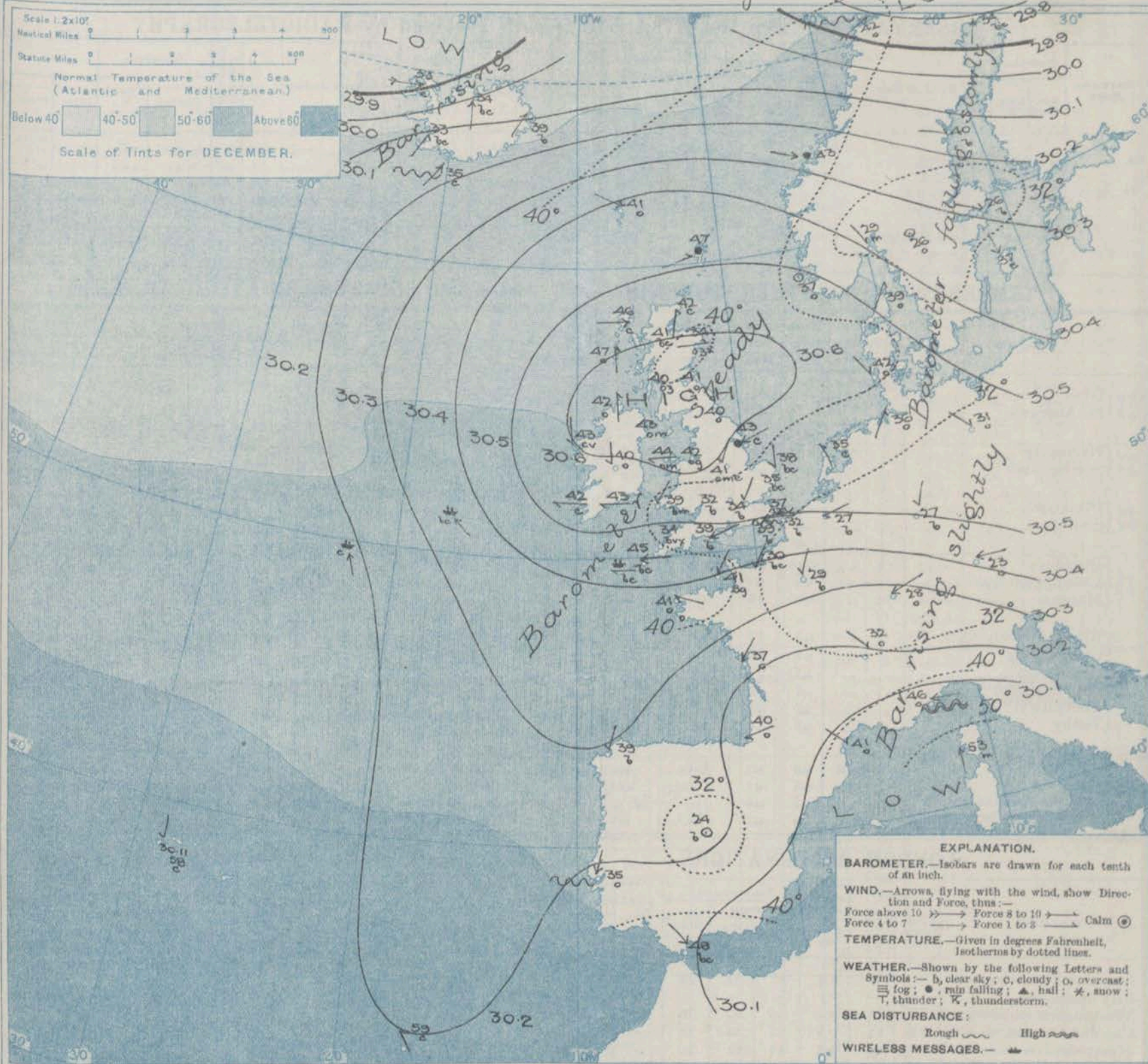
THE FURTHER OUTLOOK.

Temperature will continue considerably lower than of late, and the weather mostly dry.

11 WESTERN CHANNEL AND BAY.

Easterly and North-Easterly winds, light or moderate; sea slight; fair or fine generally.

SYNOPTIC CHART FOR 7 A.M. Friday, 19th DECEMBER 1913.



NOTES ON THE GENERAL SITUATION AT 7 A.M.

Pressure is above 30.4 in. over a very large area, and above 30.6 in. over a large portion of the United Kingdom. To the southward the readings decrease to below 30.1 in. in the south of France, while in a northerly direction they are below 29.9 in. in the north of Iceland, and below 29.3 in. round about the North Cape.

The wind is light from between South and West in Scotland and the north of Ireland, light or moderate from East or North-East over the Channel and the south and south-west of these

islands. On the north-west coast of Iceland and the extreme north and north-west coasts of Scandinavia gales from the Westward prevail. Temperature has fallen. Over these islands it ranges from 47° at Lerwick and Castlebay to 34° at Aberdeen and Newquay and in London, and to 32° at Bath. Frost prevails over a considerable portion of Germany and France. Fair weather is reported in most parts of the United Kingdom, and showers are falling at Spurn Head, and in Shetland there is drizzling rain. Rain is also falling at Christiansund, but at the Continental stations generally the weather is fair and dry.

DAILY WEATHER REPORT.

Friday, 19th December, 1913.

OBSERVATIONS from the ATLANTIC OCEAN received by RADIOTELEGRAPHY.

DATE AND HOUR.	POSITION.		NAME OF SHIP.	Outward Inward	BAROMETER.		WIND.		WEATHER.	DATE AND HOUR.	POSITION.		NAME OF SHIP.	Outward Inward	BAROMETER.		WIND.		WEATHER.
	Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.			Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.	
19th, Tam.	49	21	Lapland	H	30.19	+0.1	SSE	4-5	c	18th, 6pm	49	11	Olympic	H	30.52	-0.0	SE	(0-12)	o
"	51	17	Caronia	H	30.31	+0.5	SE	4-5	bc	"	51	11	Alavria	H	30.51	+0.4	SE	4-5	o
18th, 6pm.	54	28	Caronia	H	30.30	-0.6	SE	1-3	o	"	49	28	Caronia	H	30.19	+0.3	NNE	1-3	o
"	48	27	Lapland	H	30.09	-0.4	NE	6-7	o	"	50	24	Empress of Ireland	H	30.24	+0.2	NNW	6-7	c
"	50	23	Caronia	H	30.15	-0.1	SE	1-3	t	"	51	23	Lake Manitoba	H	30.21	+0.4	NNE	1-3	t
"	51	19	Lake Manitoba	H	30.34	+0.1	S	4-5	c	"	54	21	Hesperian	H	30.23	+0.5	NW	4-5	o
"	51	18	Empress of Ireland	H	30.37	+0.6	SSE	4-5	o	"	49	18	New York	H	30.35	+0.4	S	4-5	c
"	49	13	New York	H	30.47	+0.4	SE	1-3	o	"	51	16	Alavria	H	30.29	+0.9	S	6-7	c

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

STATIONS.	Rainfall.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.	STATIONS.	Rainfall.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.
		Max.	Min.	Forenoon.	Afternoon.				Max.	Min.	Forenoon.	Afternoon.	
Scot. land.	In.	F.	F.	o.c.	bc.	Hr.	Margate ...	In.	F.	F.	bc.	b	Hr.
{ Oban	46	39	o.c.	bc.	0.0	{ Ramsgate ...	0.11	44	42	bc.	b	4.0
{ St. Andrews	{ Folkestone ...	0.01	44	41	...	...	5.2
Eng. N.E.	...	42	39	c.o.	d.o.c.	0.0	{ Hythe ...	0.13	44	40	r.bc.	b.bc.	4.7
{ Scarborough	46	41	o.c.	o.c.	0.0	{ Littlestone ...	...	...	...	...	...	3.2
Eng. N.W.	...	44	41	o	o	0.0	{ Hastings ...	0.03	44	37	o.bc.	b	3.0
{ Blackpool	44	39	o	o	0.0	{ Bexhill-on-Sea ...	0.02	44	38	c	c.bc.	3.5
{ Southport	44	39	o	o	0.0	{ Eastbourne ...	...	45	39	bc.o.	b.bc.	3.6
Mid- lands.	...	39	37	o.c.	c	0.0	{ Seaford ...	...	45	33	c	c.bc.	2.8
{ Buxton	44	40	o	c.b.o.	0.0	{ Brighton ...	0.03	45	41	bc.c.	c.bc.	3.0
{ Leamington Spa	46	38	g	g	0.0	{ Worthing ...	...	45	39	bc	b	3.0
{ Malvern	{ Littlehampton ...	...	...	...	...	...	0.3
Wales.	...	43	37	g	ogm	0.0	{ Southsea ...	...	45	40	o.c.	c.b.o.	0.8
{ Rhyl	45	38	o	o	0.0	{ Ryde ...	...	45	43	...	...	2.5
{ Colwyn Bay	45	42	o	o	0.0	{ Ventnor ...	...	47	40	...	...	0.2
{ Llandudno	48	38	og	og	0.0	{ Bournemouth ...	...	46	36	o.c.	o.b.	0.9
{ Bettws-y-Coed	45	42	o.c.	c.b.	1.0	{ Weymouth ...	...	46	38	c.bc.	c.b.	0.9
{ Aberystwyth	45	41	bc	bc.b.	2.6	{ Exmouth ...	...	45	41	c	c	0.1
{ Tenby	{ Teignmouth ...	...	46	41	o	o	0.0
England, S.W.	...	48	42	b.bc.	bc	5.3	{ Torquay ...	...	46	41	o	o	0.0
{ Lowestoft	45	41	c.bc.	bcq	3.4	{ Paignton ...	...	48	41	o	o	0.0
{ Felixstowe	45	40	bc	bc.bv	4.4	{ Falmouth ...	...	45	42	c.o.	c.o.	1.3
{ Walton-on-Naze	46	41	bc.b.	bc	4.5	{ Bude ...	...	47	40	bc.	bc.c.o.	0.2
{ Southend-on-Sea	{ Ilfracombe ...	...	46	43	o	o	0.0
							{ Weston-super-Mare ...	...	46	39	c.b.bc.	c	0.7

LONDON OBSERVATIONS.

Additional Observations for Yesterday.

STATIONS.	HUMIDITY.		Sun- shine for Yester- day.	TEMPERATURE.		Rain- fall.	WEATHER.			STATIONS.	Rain- fall.	TEMPERATURE.		WEATHER.			Sun- shine for Yester- day.
	p.m. Yester- day.	p.m. To-day.		In Screen.	Min. on Grass.		Fore- noon.	After- noon.	Night.			In Screen.	Night Min. on Grass.	Night.	Fore- noon.	After- noon.	
Greenwich (Royal Obs.) ...	73	73	0.7	45	32	22	o.c.	c	c.b.bx.	Dublin to 4 p.m.	In.	F.	F.	F.	o	o	og
City (Bunhill Row) ...	...	...	0.2	...	...	...	bc	bc	b.of	Plymouth to 9 p.m.	...	46	42	42	o	cb	cb
Westminster (St. James's Pk.) ...	85	89	0.0	45	34	29	bc	bc	b.of	Darwen	...	45	41	37	cb	cb	ou
Camden Sq. (Brit. Rainfall) ...	83	82	0.8	45	30	27	o.c.	bc.b.	...	Manchester	...	42	39	39	c.og	ogu	ou
Hampstead (Reservoir) ...	...	75	0.9	43	32	20	bc	bc	cx.bcx.	Birmingham	...	46	43	32	o	o	o
Richmond Park ...	...	...	0.0	...	...	...	...	...	...	Oxford to 8 p.m.	...	43	39	32	...	...	...
Kew. (See front page.)	...	...	...	...	...	...	...	...	...
VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.																	
Total.				Average Rate.				Max. Rate.				S. Kensington (Museum Grounds to 6 p.m.)					
106 Joules.				3.8 Milliwatts.				11.5 Milliwatts.				...					

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM TO-DAY AND TO-MORROW

19th Dec. 1913.	Sunrise.	Noon.	Sunset.
Yarmouth ...	G.M.T. 8.3 8.4	G.M.T. 11.50 11.51	G.M.T. 3.37 3.38
Greenwich ...	8.4 8.5	11.57 11.58	3.50 3.51
Wick ...	9.2 9.3	12.9 12.10	3.16 3.17
Valencia ...	8.48 8.49	12.38 12.39	4.28 4.29

Temperature remained below 40° at Aberdeen and Buxton, and below 45° over a large portion of the Kingdom. Slight frost occurred at night in some parts of Great Britain. As a rule there was little bright sunshine, but at Valencia the record was 6 hours, and on some parts of our east and south-east coasts about 5 hours. According to wireless reports light or moderate breezes, mainly between East and South-East, prevailed as far west as the 25th meridian.

NOTE.—The information relating to weather is indicated by the following letters—b. blue sky; bc. sky half clouded; c. sky three parts clouded; d. drizzling rain; e. wet air, without rain falling; f. fog; g. gloom; h. hail; l. lightning; m. mist; o. overcast sky; p. passing showers; q. squalls; r. rain; s. snow; t. thunder; u. ugly, threatening sky; v. visibility, unusual transparency; w. dew; x. hoar frost; z. dust, haze, or smoke.

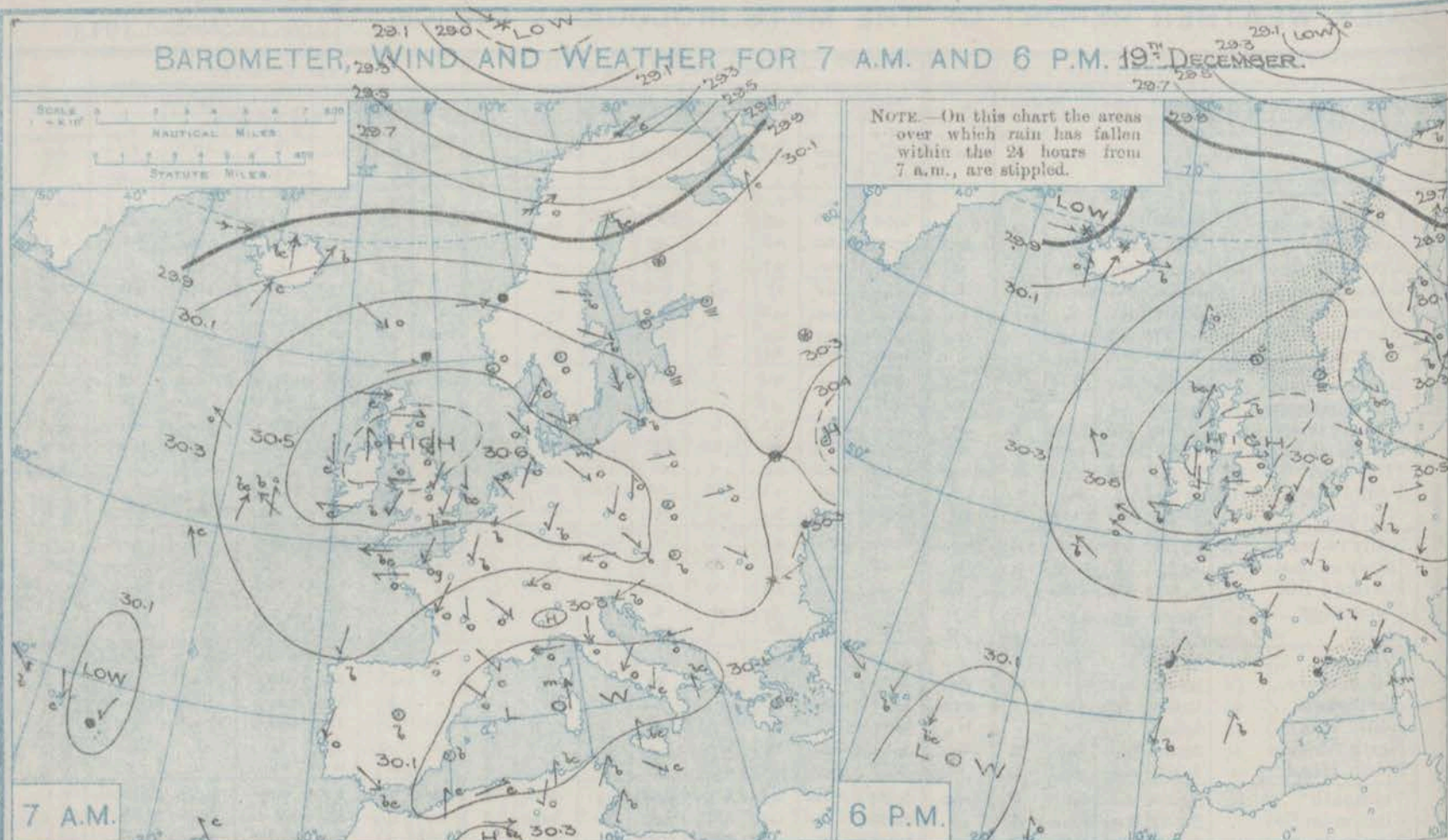
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DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

Saturday,
20th December, 1913.

STATIONS.		YESTERDAY EVENING.					THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.							Sun- shine for Yester- day.			
		BAROM.		TEMP.		WIND.	Force (0 to 12).	Weather.	BAROMETER.		TEMP.		WIND.	Force (0 to 12).	Weather.	Sea (0 to 9).	Rain fall.	TEMP.		WEATHER.							
		At 32° F. and M.S.L. Lat. 45°		Dry Bulb.	Direc.				In.	F.	Change since 4 a.m.	Dry Bulb.						Change since Yester- day.	Direc.	In.	F.	Max.	Min.		Morning. 7 a.m. to 1 p.m.	Afternoon 1 p.m. to 6 p.m.	Night, 6 p.m. to 7 a.m.
		At 32° F. and M.S.L. Lat. 45°	Dry Bulb.																									Direc.	Force (0 to 12).	Weather.	Sea (0 to 9).	Max.	Min.	Morning. 7 a.m. to 1 p.m.	Afternoon 1 p.m. to 6 p.m.	Night, 6 p.m. to 7 a.m.
BRITISH ISLANDS.	Lerwick ...	30.56	42	-	0	0	30.54	-0.8	45	-2	SSW	3	0	3	0.05	47	42	cr.cm	0	omd.co	Hours						
	Stornoway ...	30.55	44	SW	3	bc	30.47	-0.0	45	-1	SW	4	0	4	-	47	43	c	c.bc	bc.o.	0.1						
	Castlebay (Barra Isd.)	30.58	47	SW	2	0	30.52	-0.1	47	0	SW	4	0	4	-	48	46	c	c	c	0.0						
	Glasgow ...	30.64	36	WNW	1	b	30.61	-0.0	38	-2	SW	1	0	8	-	42	33	0.	o.c.bcb	b.o.	0.0						
	Malin Head...	30.61	41	S	1	m	30.60	-0.0	42	0	SW	1	m	1	-	43	41	om	om	om	0.						
	Blackrod Point ...	30.57	43	SSE	1	om	30.58	-0.0	44	+1	SSE	1	om	1	Trace	44	41	cr.om	om	om	0.						
	Valencia ...	30.54	43	E	2	b	30.57	+0.3	39	-3	E	1	0	3	-	46	34	bcz	bcz	bc	0.1						
	Roche's Point ...	30.56	42	ENE	1	c	30.56	0	44	+1	NE	1	0	1	0.01	46	39	a.bc.b	b.bc.c	og	0.						
	Birr Castle ...	30.57	42	N	1	0	30.58	0	41	+1	N	1	0	8	-	43	39	0	0	0	0.0						
	Donaghadee ...	30.60	45	ESE	2	om	30.63	-0.0	43	0	S	2	om	2	-	45	43	om	om	om	0.						
	Liverpool Obsy. ...	30.61	42	ENE	2	0	30.62	-0.0	40	-2	SE	1	og	1	-	44	39	ogm	ogm	om	0.0						
	Holyhead ...	30.60	45	E	2	omg	30.61	+0.2	42	-2	E	1	omg	0	-	45	42	omg	omg	omg	0.0						
	Pembroke (St. Ann's Hd.)	30.54	42	NE	2	bc	30.55	+0.1	42	+3	NE	2	c	2	-	44	39	bm	b	bc	5.5						
	Newquay ...	30.46	39	ENE	3	bc	30.49	+0.1	36	+2	NE	1	bx	2	-	42	34	bc	bc	b.b.x	4.5						
	Scilly (St. Mary's) ...	30.43	42	ENE	4	om	30.45	+0.1	43	-2	E	4	cm	4	-	44	39	cm	cm	cm	0.5						
	Jersey (St. Aubin) ...	30.35	41	ENE	6	b	30.45	0	34	-7	ENE	3	b	3	-	42	32	b	b	b.b.m	6.1						
	Portland Bill ...	30.44	40	ENE	5	bc	30.46	+0.1	35	-4	ENE	5	bc	4	-	42	34	bc	bc	b.c.	0.						
	Dungeness ...	30.46	42	ENE	6	b	30.49	-0.0	39	0	E	3	bc.	3	-	44	37	bc.b	b.bc	b.b.c.	0.						
	Dover ...	30.50	40	ENE	2	b	30.50	0	36	-1	NE	4	bx	1	-	42	35	c.b	b.bc	bx	6.9						
	Wick ...	30.58	44	SW	1	0	30.47	-0.2	42	0	SSW	3	0	2	-	45	36	cm	cg.og	cm.om	0.						
	Nairn ...	30.60	41	-	0	03	30.51	0	42	+1	W	1	og	1	-	45	38	og	og	og	0.0						
	Aberdeen ...	30.64	32	W	1	bzx	30.57	-0.1	32	-2	-	0	b	2	-	39	32	cg.b	bzx	bz.o.b	3.7						
	Leith ...	30.60	39	W	1	b	30.57	-0.2	41	0	W	2	cg	0	-	43	35	obeb	bz	cg	0.						
	North Shields ...	30.64	41	W	2	0	30.64	-0.0	38	-2	-	0	0	2	-	42	38	0	0	0	0.0						
	Spurn Head ...	30.57	45	NE	2	0	30.57	-0.0	45	+2	E	3	c	4	Trace	47	41	c	c	0	0.0						
Yarmouth ...	30.55	43	NE	3	bcp	30.57	-0.0	43	+5	ENE	4	om	3	0.02	44	37	bcp	bcp	or.om	1.1							
Clacton-on-Sea ...	30.52	44	ENE	3	0	30.54	-0.0	41	+6	NE	3	bav	3	-	44	35	bc.co	av	o.c.b.c	0.0							
Nottingham ...	30.60	41	NE	3	0	30.60	0	41	0	NNE	3	0	0	0.03	43	39	odm	om	0	0.0							
Bath ...	30.53	39	E	1	0	30.56	0	38	+6	E	2	c	0	-	43	31	b.b.c.c	0	op.d.c.	2.2							
London (Kew Obsy.)...	30.52	41	NE	2	odm	30.53	-0.0	38	+4	NE	2	bm	0	-	43	33	x.b.c.m	cm.odm	ogm.om	0.0							
ICELAND, FAEROE, &c.	Spitzbergen ...	29.10	11	SE	1	0	30.23	+0.3	7	-7	-	0	b	0	?	14	5										
	Isafjord ...	29.88	31	W	3	s	29.95	+0.6	25	-8	W	4	c	0	-	0	0										
	Reykjavik ...	30.07	35	S	3	0	30.06	+0.1	33	0	-	0	c	0	-	0	0										
	Vestmanna ...	30.13	36	SW	4	0	30.10	+0.3	31	-4	-	0	b	3	-	0	0										
	Seydisfjord ...	30.08	39	W	3	b	29.96	+0.7	34	-5	W	4	b	0	-	0	0										
	Thorshavn ...	30.17	39	SSW	2	0	29.99	-0.6	47	+6	SW	8	r	0	-	0	0										
SCANDINAVIA.	Haparanda ...	29.88	28	SW	4	0	30.05	-0.4	20	-14	SW	4	b	0	-	34	19										
	Hernösand ...	30.18	38	SW	4	b	30.39	+0.2	29	-11	-	0	b	0	-	43	27										
	Stockholm ...	30.31	30	WNW	2	0	30.46	+0.4	29	+3	NW	2	b	0	-	30	26										
	Wisby ...	30.32	37	SW	4	b	30.44	+0.5	38	+1	N	4	b	0	-	39	34										
	Karlstad ...	30.43	20	-	0	b	30.56	-0.0	18	-8	NW	2	b	0	-	28	12										
	Vardö ...	29.37	27	W	8	b	29.48	-0.0	27	-10	W	8	bc	4	?	37	27										
GERMANY, &c.	Bodö ...	30.10	36	WNW	6	0	29.94	-1.0	38	-4	SW	6	r	4	0.24	42	34										
	Christiansund ...	30.52	40	NW	3	c	30.25	-1.2	41	-2	WSW	3	0	5	0.12	43	37										
	Skudesnaes ...	30.38	38	-	0	f	30.56	-0.2	36	-1	-	0	f	1	0.08	38	34										
	Færder (X'ania Fjord)	30.45	31	E	1	m	30.55	-0.0	31	+2	NNE	1	f	1	-	31	28										
	The Scaw (Skagone)...	30.43	40	NNW	2	bc	30.54	+0.2	39	0	SSE	3	bc	0	-	41	37										
	Blaavands Huk ...	30.53	45	NW	3	0	30.57	+0.3	27	-15	-	0	f	0	-	45	27										
FRANCE.	Cuxhaven ...	30.54	39	SW	1	0	30.53	-0.0	40	+4	WSW	2	0	0	-	41	36										
	Berlin ...	30.55	30	W	2	0	30.57	+0.1	33	+2	W	1	0	0	-	36	28										
	Frankfurt ...	30.51	30	NE	2	b	30.56	+0.2	25	-2	NE	1	m	0	-	36	25										
	Munich ...	30.50	20	NE	4	b	30.56	+0.1	17	-6	NE	3	b	0	-	27	17										
	The Helder ...	30.57	39	SSE	1	0	30.59	-0.0	38	+3	SE	1	0	1	-	39	35										
	Brussels ...	30.49	29	ENE	4	b	30.52	-0.0	23	-4	ENE	3	b	0	-	35	22										
SPAIN, PORTUGAL, &c.	C. Gris Nez... ..	30.46	35	ENE	5	b	30.49	-0.0	27	-5	E	4	b	3	-	37	27										
	La Hève ...	30.38	31	ENE	3	b	30.45	0	27	-3	NE	2	b	1	-	36	25										
	Ushant... ..	30.28	42	ENE	4	bc	30.38	0	33	-13	E	4	b	3	-	46	33										
	Brest (St. Mathieu) ...	30.35	41	ENE	2	bc	30.41	+0.1	32	-9	E	2	b	2	-	48	30										
	Lorient (Bec Melon)...	30.26	35	E	5	c	30.31	0	31	-8	E	4	c	0	-	41	30										
	Rochefort (Ile d' Aix)	30.20	36	NE	5	0	30.26	+0.2	34	-3	ENE	4	bc	0	-	41	34										
GERMANY, &c.	Biarritz ...	30.12	39	ENE	3	b	30.15	+0.1	32	-8	E	3	b	2	-	41	32										
	Paris ...	30.37	30	NNE	2	b	30.42	+0.1	24	-5	NNE	2	b	0	-	35	23										
	Belfort ...	30.36	26	ENE	7	0	30.45	0	21	-7	E	7	m</														

BAROMETER, WIND AND WEATHER FOR 7 A.M. AND 6 P.M. 19TH DECEMBER.



7 A.M.

6 P.M.

WEATHER PROSPECTS.

The changes in pressure are still very slight,

general distribution.

and no important modification is likely to occur in the

FORECASTS FOR THE 24 HOURS NOON SATURDAY

TO NOON SUNDAY.

0 {
a } South-Westerly winds, light or moderate;
b } mostly fair; moderate temperature.

1 {
a } Light variable or South-Westerly
b } winds; some mist locally, otherwise
2 {
a } fair; moderately low temperature.
b }

3 {
a } Wind mainly Easterly or North-
b } Easterly, light or moderate; a good deal
4 {
a } of cloud and some mist or fog locally,
b } but otherwise fair; temperature rather low
5 {
a } frost in places at night.
b }

FORECAST DISTRICTS.



STORM WARNINGS.

The Coasts upon which the Warning Signals are at present displayed are indicated thus:—

Signals hoisted yesterday.	Signals hoisted this morning.
South Coast.	South Coast.
North Coast.	North Coast.

NO WARNINGS
ISSUED.

6 {
a } Same as No. 1.
b }

7 {
a } Same as Nos. 3 to 5.
b }

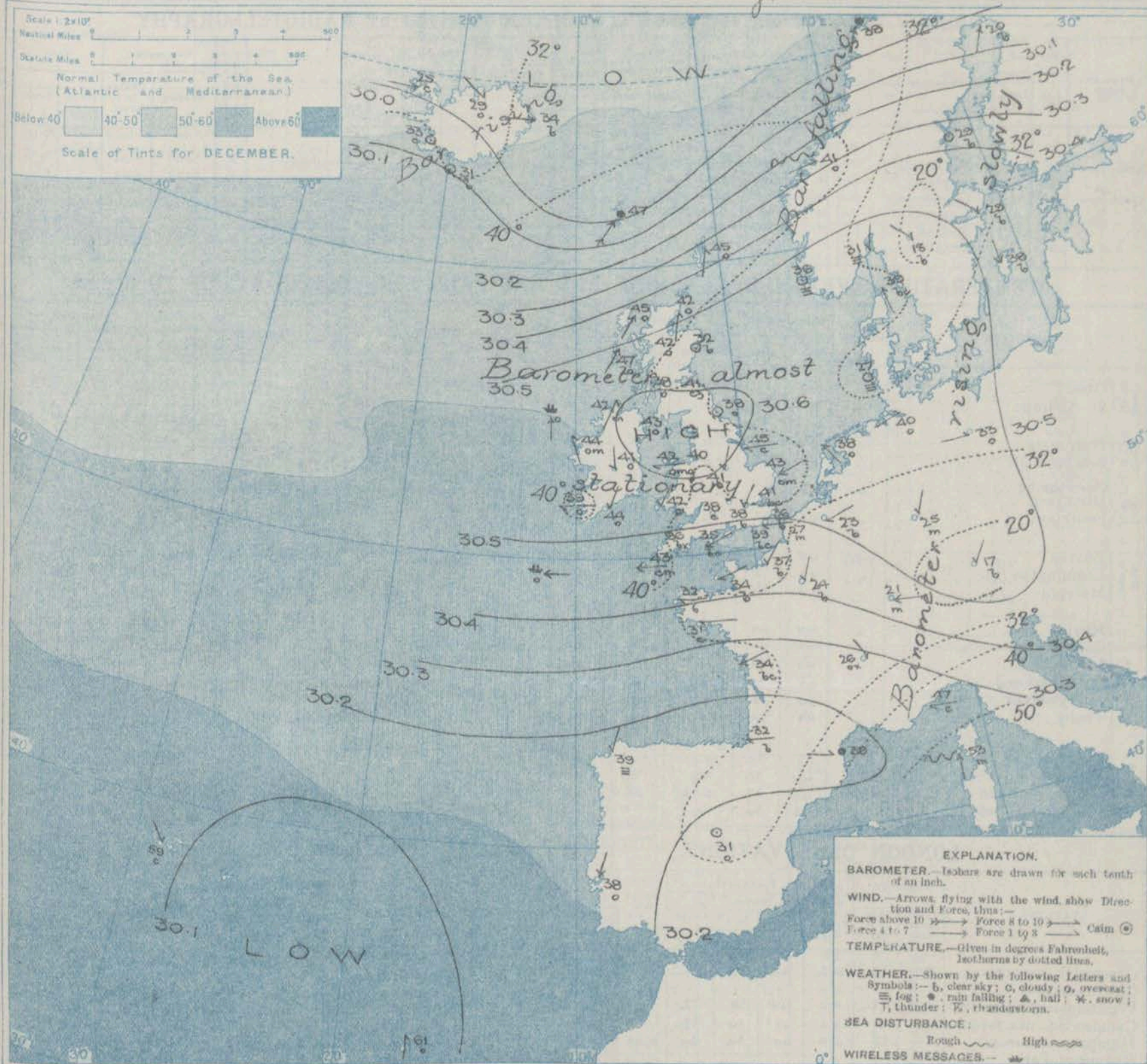
8 {
a }
b }
9 {
a } Light winds between South-East
b } and South-West; mostly fair, mist or fog
10 {
a } locally; moderate or rather low temperature.
b }

11 WESTERN CHANNEL AND BAY.

Easterly and North-Easterly winds, light or moderate; sea slight, some mist, otherwise fair.

THE FURTHER OUTLOOK.

SYNOPTIC CHART FOR 7 A.M. Saturday, 20th DECEMBER 1913.



NOTES ON THE GENERAL SITUATION AT 7 A.M.

The barometer is still above 30.6 in. over the north of England and the adjacent parts of Ireland and Scotland, and above 30.5 in. over the North Sea and a large area on the Continent. To the northward the readings decrease to about 30 in. In the Faerøe, and to 29.5 in. at Spitzbergen.

The wind over the United Kingdom is South-westerly, of little force, in the north, and light or moderate from the Eastward or North-Eastward in the south. Beyond the north of Scotland the South-westerly wind is strong, blowing a gale at Tharsarn. Strong winds or gales from between South-West and West are reported in the north of Scandinavia. Temperature has fallen in most regions. Over these islands it ranges from 47°

at Castlebay to below 40° in various localities, and to 32° at Aberdeen. Frost prevails over a wide area on the Continent. A good deal of cloud is reported over the United Kingdom, but the weather is dry. Over a large portion of the Continent the sky is clear, but rain is falling at Perpignan, as well as in the north-west of Norway.

DAILY WEATHER REPORT.

Saturday, 20th December, 1913

OBSERVATIONS from the ATLANTIC OCEAN received by RADIOTELEGRAPHY.

DATE AND HOUR.	POSITION.		NAME OF SHIP.	O- Outward. H- Homeward.	BAROMETER.		WIND.		WEA- THER.	DATE AND HOUR.	POSITION.		NAME OF SHIP.	O- Outward. H- Homeward.	BAROMETER.		WIND.		WEA- THER.
	Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.			Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.	
20th, Jan.	55	11	Cameronia	H	30.53	+0.01	SSW	4-5	o	19th, 6 p.m.	49	11	Lake Manitoba	H	30.47	+0.04	ESE	4-5	o
"	49	11	Lapland	H	30.49	+0.02	E	4-5	o	"	54	22	Cameronia	H	30.22	-0.02	?	?	o
19th, 6 p.m.	55	17	Cameronia	H	30.37	+0.04	SSW	6-7	o	"	51	18	Teutonic	H	30.38	+0.02	SSW	6-7	bc
"	49	16	Lapland	H	30.34	+0.03	SE	4-5	b	"	51	16	Strambian	O	30.48	-0.09	S	1-3	o
"	51	13	Teutonic	H	30.50	+0.03	ESE	6-7	o	"	51	15	Lake Manitoba	H	30.43	0.00	S	4-5	o
"	51	13	Caronia	H	30.41	+0.03	ESE	4-5	o	"	55	11	Hesperian	H	30.57	+0.02	S	4-5	o

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

STATIONS.	Rainfall.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.	STATIONS.	Rainfall.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.
		Max.	Min.	Forenoon.	Afternoon.				Max.	Min.	Forenoon.	Afternoon.	
Scot- land.	In.	F.	P.			Hr.	Margate	In.	F.	P.			Hr.
Oban	-	45	39	o.b.c.	c.o.	0.0	Ramsgate	-	44	39	b	c.b.c.	2.4
St. Andrews	-	44	28	"	"	2.4	Folkestone	-	43	41	b.b.c.	b.b.c.	6.5
Eng. N.E.							Hythe	-					
Harrogate	-	39	37	o	o	0.0	Littlestone	-	43	30	b	b	5.3
Scarborough	-	45	42	o	o	0.0	Hastings	-	43	34	b.b.c.	b	5.5
Morecambe	-	42	41	bc	c	0.0	Bexhill-on-Sea	-	43	35	o.c.	b.b.c.	4.9
Blackpool	-	42	41	o	o	0.0	Eastbourne	-	42	30	o.b.	b	4.8
Southport	-	42	41	o	o	0.0	Seaford	-	44	33	b.b.c.	bc	5.2
Mid- lands.							Brighton	-	42	30	b	b.b.c.	5.9
Buxton	0.01	40	37	cr.o.	c.o.	0.0	Worthing	-	42	30	b	b.b.c.	3.8
Leamington Spa	-	43	32	o	o	0.0	Littlehampton	-	42	32	bc	c.b.c.	5.0
Malvern	-	44	36	bc	bc.c.	1.9	Southsea	-	43	36	b	b	6.0
Wales.							Ryde	-	47	36	"	"	6.2
Rhyl	-	44	40	o	o	0.0	Ventnor	-	41	29	b	b	6.1
Colwyn Bay	-	45	41	o	o	0.0	Bournemouth	-	41	29	b	b	5.6
Llandudno	-	45	42	o	o	0.0	Weymouth	-	41	33	b	b.b.c.	3.6
Bettws-y-Coed	-	45	39	og	og	0.0	Exmouth	-	43	33	b.c.b.	bc.c.	2.1
Aberystwyth	-	44	38	og.o	c.o.	0.3	Teignmouth	-	43	36	b	bc	0.5
Tenby	-	46	41	b	b	5.9	Torquay	-	43	39	b.b.c.	c.o.	0.7
England.							Paignton	-	43	36	bc	bc	6.8
Lowestoft	0.16	45	39	or.c	c.op	0.3	Falmouth	-	42	37	o.c	c	4.8
Felixstowe	0.01	44	33	op	op	0.0	Bude	-	44	35	b	b	3.7
Walton-on-Naze	-	43	37	c.og	og.o	0.0	Ilfracombe	-	45	38	b.c.b.	b.b.c.	3.7
Southend-on-Sea	-	42	34	o	o	0.0	Weston-super-Mare	-	42	31	b	b.b.c.	3.7

LONDON OBSERVATIONS.

Additional Observations for Yesterday.

STATIONS.	HUMIDITY.		Sun- shine for Yester- day.	TEMPERATURE.			Rain- fall.	WEATHER.			STATIONS.	Rain- fall.	TEMPERATURE.			WEATHER.	Sun- shine for Yester- day.
	3 p.m. Yester- day.	9 a.m. To- day.		In Screen.	Min. on Grass.	Max.		Fore- noon.	After- noon.	Night.			In Screen.	Night Min. on Grass.	Max.		
Greenwich (Royal Obs.)	87	83	0.5	42	35	28	-	o	o	o.b.c.	Dublin to 4 p.m.	In.	F.	F.	F.	o	og
City (Rush Hill Row)	"	"	0.0	"	"	"	"	"	"	"	Plymouth to 9 p.m.	-	46	43	42	"	"
Westminster (St. James's Pl.)	93	92	0.0	44	38	32	-	om	om	o.c.b.m.	Darwen	-	41	37	38	c.o.m.u.	ou
Camden Sq. (Brit. Rainfall)	90	87	0.0	42	34	28	-	o	c	"	Manchester	-	42	37	29	"	o
Hampstead (Reservoir)	"	85	0.0	40	34	20	0.01	0.0d	od	cd.c.x	Birmingham	-	40	30	26	c.b.w.x	b.x.c.f.
Richmond Park	"	"	0.0	VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.							Oxford to 8 p.m.	"	40	30	26	c.b.w.x	b.x.c.f.
Kew. (See front page.)	"	"	0.0	Total.	Average Rate.	Max. Rate.											"
S. Kensington (Roof of M.O.)	90	85		109 Joules.	3.9 Milli-watts.	7.5 Milli-watts.											"

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM TO-DAY AND TO-MORROW

20th & 21st Dec., 1913.	Sunrise.	Noon.	Sunset.
Yarmouth	G.M.T. 8.4	G.M.T. 11.51	G.M.T. 3.38
Greenwich	8.5	11.58	3.51
Wick	9.3	12.10	3.17
Valencia	8.49	12.39	4.29

Temperature rose to 48° at Castlebay, but failed to reach 45° over the Kingdom generally, and only touched 39° at Harrogate and Aberdeen. Much bright sunshine was recorded on the south-east, south and south-west coasts of England and also at Tenby and Aberdeen. At Bude the figure was 6.8 hours, and at Dover 6.9 hours.

NOTE.—The information relating to weather is indicated by the following letters—b, blue sky; bc, sky half clouded; c, sky three parts clouded; d, drizzling rain; e, wet air, without rain falling; f, fog; g, gloom; h, hail; i, lightning; m, mist; o, overcast sky; p, passing showers; q, squalls; r, rain; s, snow; t, thunder; u, ugly, threatening sky; v, visibility, unusual transparency; w, dew; x, hoar frost; z, dust-haze, or smoke.

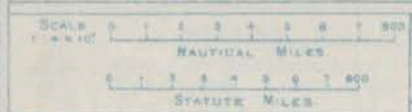
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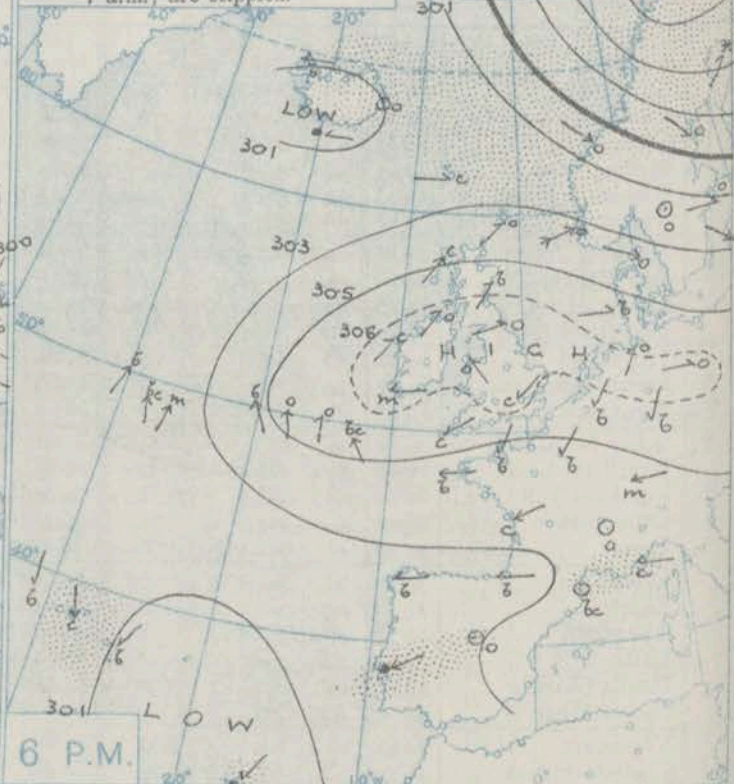
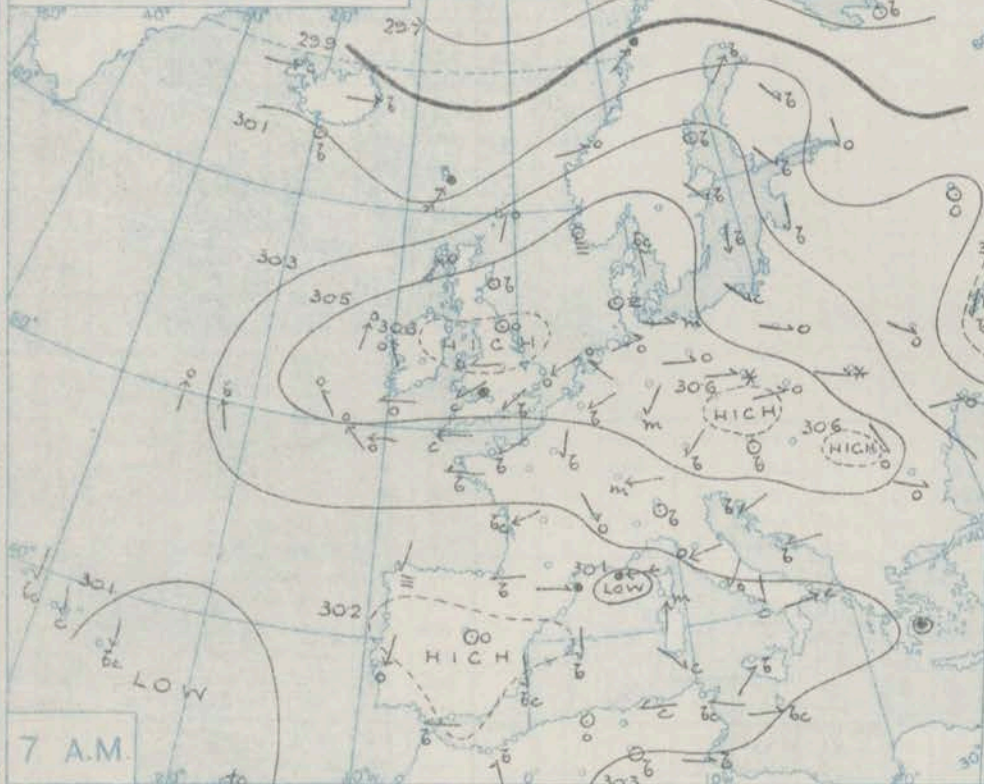
Sunday.
21st December, 1913.

STATIONS.	YESTERDAY EVENING.					THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.					Sun- shine for Vester- day		
	BAROM.		TEMP.		WIND.	BAROMETER.		TEMP.		WIND.	Sea (0 to 9).	Rain fall.	TEMP.		WEATHER.								
	At 32° F. and M.S.L. Lat. 46°	Dry Bulb.	Force (0 to 12).	Weather		At 32° F. and M.S.L. Lat. 46°	Change since 4 a.m.	Dry Bulb.	Change since Yester- day.				Force (0 to 12).	Weather.	Max.	Min.	Morning 7 a.m. to 1 p.m.	Afternoon 1 p.m. to 6 p.m.	Night 6 p.m. to 7 a.m.				
BRITISH ISLANDS.	Lerwick ...	30.31	44	SW	2	om	30.14	+0.1	49	+4	SSW	6	opq	6	In.	49	43	c.ogpm	opm	c.opq	0.0		
	Stornoway ...	30.49	47	SW	4	c	30.47	+0.2	47	+2	SW	5	cq	4	Trace	49	45	c.c	c	c.c.cq	0.0		
	Castlebay (Barra Isd.)	30.55	49	SW	4	o	30.56	0.0	49	+2	SW	4	o	5	-	49	47	c	c	c	0.0		
	Glasgow ...	30.62	42	SW	1	og	30.58	-0.2	44	+6	SW	3	o	*	-	44	38	o	o	o	0.0		
	Malin Head...	30.62	43	SW	2	o	30.63	0.0	43	+1	SW	2	o	1	-	43	41	om	om	om	*		
	Blacksod Point	30.62	44	SW	1	om	30.66	0.0	46	+2	SSW	1	cm	1	Trace	46	43	om	om.c	cm	*		
	Valencia ...	30.63	44	E	2	om	30.70	+0.2	34	-5	ENE	1	bx	3	-	45	34	og	og	bc	0.1		
	Roche's Point	30.65	44	NE	1	o	30.70	*	42	-2	NE	1	o	1	-	46	31	c.c	c.o	o	*		
	Birr Castle ...	30.64	40	N	1	o	30.70	*	39	-2	N	1	o	*	-	43	39	o	o	o	0.0		
	Donaghadee	30.65	42	SW	2	om	30.65	-0.4	36	-7	W	2	cm	1	-	44	36	om	om	om	*		
	Liverpool Obsy.	30.69	40	N	1	o	30.69	-0.1	40	0	-	0	o	1	-	43	37	ogm	ogm	o	0.0		
	Holyhead ...	30.65	43	SE	1	ogm	30.69	0.0	42	0	SE	1	ogm	0	-	44	41	ogm	ogm	ogm	0.0		
	Pembroke (St. Ann's Hd.)	30.57	40	NE	3	b	30.67	+0.2	35	-7	NE	1	bm	1	-	45	35	c	bc	bc	1.0		
	Newquay ...	30.56	36	E	2	b	30.63	+0.1	32	-4	E	2	bx	2	-	41	31	b	b	bc	6.5		
	Scilly (St. Mary's)	30.54	41	ENE	3	cm	30.62	+0.1	42	-1	NE	3	cm	4	-	45	38	cm	cm	bc	0.7		
	Jersey (St. Aubin)	30.48	37	NE	2	bm	30.59	*	35	+1	ENE	1	bm	1	-	40	31	b	bm	bm	6.0		
	Portland Bill	30.56	49	NE	5	b	30.65	+0.3	39	+4	NE	3	b	3	-	43	35	bc	bc	b	*		
	Dungeness ...	30.53	44	NE	5	b	30.61	+0.2	44	+5	ENE	3	bc	3	-	45	38	c.bc	c.b	c.bc	*		
	Dover ...	30.53	41	NE	4	bc	30.63	*	41	+5	NE	2	c	3	-	42	35	b	b.bc	bc.c	6.9		
ICELAND, FAEROE, &c.	Wick ...	30.45	33	SW	2	bc	30.36	-0.2	47	+5	WNW	3	cq	4	-	47	40	om.c	cm	bc	0.0		
	Nairn ...	30.51	43	W	1	cg	30.46	*	48	+6	WSW	2	cg	2	-	49	41	cg	cg	cg	0.0		
	Aberdeen ...	30.53	38	SW	2	bz	30.48	-0.3	46	+4	W	1	o	2	-	46	31	bz	bz	bz	0.3		
	Leith ...	30.59	43	SW	2	o	30.54	-0.3	45	+4	WSW	3	c	*	-	45	39	a.c.o	o	o	*		
	North Shields	30.67	41	WSW	2	o	30.62	-0.1	38	0	W	2	c	2	-	42	35	o.c	c.o	o.c	0.0		
	Spurn Head ...	30.63	45	ENE	1	o	30.62	-0.1	38	-7	WNW	5	bc	4	-	46	37	c	c.o	o	0.0		
	Yarmouth ...	30.63	45	NE	1	o	30.64	0.0	42	-1	W	1	o	1	-	45	40	om	om	o	0.0		
	Claughton-on-Sea	30.59	43	NE	3	o	30.64	+0.3	41	0	NNW	2	o	2	-	43	41	bc.c	c.v	c.o	1.1		
	Nottingham...	30.66	42	N	2	o	30.68	*	41	0	N	2	o	*	-	44	39	a.c	a.c	o	0.0		
	Bath ...	30.62	34	E	-	b	30.67	*	28	-10	E	1	o	*	-	43	25	c.b	b	bc	6.1		
London (Kew Obsy.)	30.61	42	NE	3	c	30.65	+0.1	41	+3	NE	2	c	*	-	42	36	bm	bm	c.o.c	0.0			
SCANDINAVIA.	Spitzbergen ...	29.42	13	NE	2	bc	29.68	+0.6	15	+8	SE	1	bc	*	-	15	1	GALES.					
	Isafjord...	30.10	21	E	3	b	29.80	-0.8	29	+4	N	8	S	*	-	*	*	Duration and Extreme Force in British Islands.					
	Reykjavik ...	30.02	34	-	0	o	29.75	+0.1	40	+7	S	2	r	*	-	*	*						
	Vestmanna ...	30.02	37	E	2	r	29.82	-0.3	38	+7	E	6	r	3	-	*	*						
	Seydisfjord	30.10	33	-	0	o	30.15	-0.2	24	-10	NE	3	S	*	-	*	*						
	Thorsbavn ...	30.24	41	W	2	c	30.07	+0.1	47	0	WNW	5	o	*	-	*	*						
	Haparanda ...	29.34	32	SW	6	S	29.16	-0.7	23	+3	SW	4	b	*	-	0.12	34	19	Stornoway. Midt. Squalls force 8.				
	Hernösand ...	29.80	34	NW	2	o	29.60	-0.2	30	+1	N	6	c	*	-	Trace	36	27					
	Stockholm ...	30.10	32	W	2	o	29.73	-1.2	36	+7	WSW	2	o	*	-	-	36	29					
	Wisby ...	30.28	35	NW	2	c	29.90	-1.2	41	+3	WSW	6	o	*	-	-	43	34					
GERMANY, &c.	Karlstad ...	30.16	36	-	0	o	29.84	-0.8	40	+2.2	WSW	4	c	*	-	-	41	18					
	Vardö ...	29.27	28	SW	2	o	28.86	0.0	30	+3	E	4	S	3	-	?	30	25					
	Bodö ...	29.44	36	WSW	9	o	29.26	-0.9	32	-6	NW	8	S	5	-	?	37	27					
	Christiansund	30.04	42	NW	5	o	29.96	+0.3	34	-7	NW	5	o	5	-	0.47	45	34					
	Skudesnaes ..	30.36	45	WSW	8	o	30.13	-0.1	47	+11	W	9	o	7	-	0.12	47	36					
	Færder (X'land Fjord)	30.20	42	SW	6	b	29.85	-1.3	46	+15	SW	8	o	5	-	-	46	30					
	The Scaw (Skagen)...	30.33	44	WNW	7	o	30.06	-0.7	47	+8	WNW	8	o	3	-	-	47	36					
	Blaavands Huk ...	30.34	42	W	1	bc	30.38	-0.7	44	+17	WNW	4	o	2	-	-	45	27					
	Cuxhaven ...	30.58	37	SW	1	o	30.47	-0.4	42	+2	W	2	o	0	-	-	43	27					
	Berlin ...	30.61	34	W	1	o	30.19	-0.4	34	+1	W	2	o	*	-	-	36	30					
FRANCE.	Frankfurt ...	30.56	34	NE	3	b	30.62	+0.3	27	+2	-	0	m	*	-	-	36	25					
	Munich ...	30.55	25	E	1	b	30.63	+0.1	18	+1	SW	2	b	*	-	-	30	16					
	The Helder ...	30.61	44	N	1	c	30.56	-0.1	44	+6	NW	3	c	1	-	-	?	?					
	Brussels ...	30.56	29	NE	3	b	30.63	+0.6	27	+4	ENE	3	bc	*	-	-	35	22					
	C. Gris Nez...	30.53	36	ENE	4	b	30.64	+0.2	34	+7	E	4	b	3	-	-	39	27					
	La Hève ...	30.47	30	ENE	2	b	30.59	*	28	+1	ENE	3	b	1	-	-	37	27					
	Ushant...	30.46	41	E	4	b	30.49	*	40	+7	E	2	b	3	-	-	43	36					
	Brest (St. Mathieu)	30.45	37	E	4	m	30.54	+0.1	36	+4	E	2	bc	2	-	-	41	32					
	Lorient (Bea Malen)...	30.37	36	ENE	4	c	30.49	*	32	+1	ENE	4	bc	2	-	-	39	28					
	Rochefort (Ile d' Aix)	30.34	37	ENE	4	c	30.44	+0.4	36	+2	SSE	4	o	2	-	-	39	34					
SPAIN, PORTUGAL, &c.	Biarritz ...	30.27	39	E	3	b	30.47	?	36	+4	SE	3	b	1	-	-	46	32					
	Paris ...	30.45	26	NNE	1	b	30.58	*	21	-3	NNE	2	b	*	-	-	34	21					
	Belfort ...	30.49	24	E	7	m	30.64	*	20	+1	-	0	m	*	-	-	29	20					
	Lyons ...	30.47	29	ENE	1	o	30.63	*	27	+1	W	1	f	*	-	-	31	26					
	Nice ...	30.40	43	E	1	c	30.48	+0.1	45	-2	-	0	o	4	-	0.04	50	41					
	Perpignan ...	30.32	38	-	0	bc	30.49	+0.4	36	-2	W	1	o	*	-	0.67	42	34					
	Sanguinaire...																						
	Corunna (8 a.m.)	30.28	46	E	1	b	30.34	0.0	36	-3	E	1	bc	3	-	-	48	32					
	Lisbon (9 a.m.)	30.21	43	ENE	5	r	30.19	+0.2	44	+6	NNE	5	o	2	-	0.59	44	38					
	Gibraltar ...																						
Azores (Horta, 8 a.m.)	30.10	41	NNW	4	c	30.10	+0.1	59	0	NE	5	o	4	-	0.32	61	57						
Madeira (Funchal)	30.00	61	NE	2	r	29.85	0.0	61	0	NE	2	o	2	-	?	68	59						

BAROMETER, WIND AND WEATHER FOR 7 A.M. AND 6 P.M. 20TH DECEMBER.



NOTE.—On this chart the areas over which rain has fallen within the 24 hours from 7 a.m., are stippled.



GENERAL INFERENCE

WEATHER PROSPECTS.

FORECASTS FOR THE 24 HOURS NOON SUNDAY. TO NOON MONDAY.

0 { a
b

1

2 { a
b

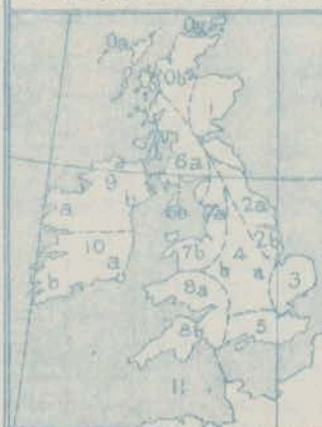
3

4 { a
b

5

None Issued.

FORECAST DISTRICTS.



STORM WARNINGS.

The Coasts upon which the Warning Signals are at present displayed are indicated thus:—

Signals hoisted yesterday.

South Cone.

North Cone.

Signals hoisted this morning.

South Cone.

North Cone.

No Warnings Issued.

6 { a
b

7 { a
b

8 { a
b

9 { a
b

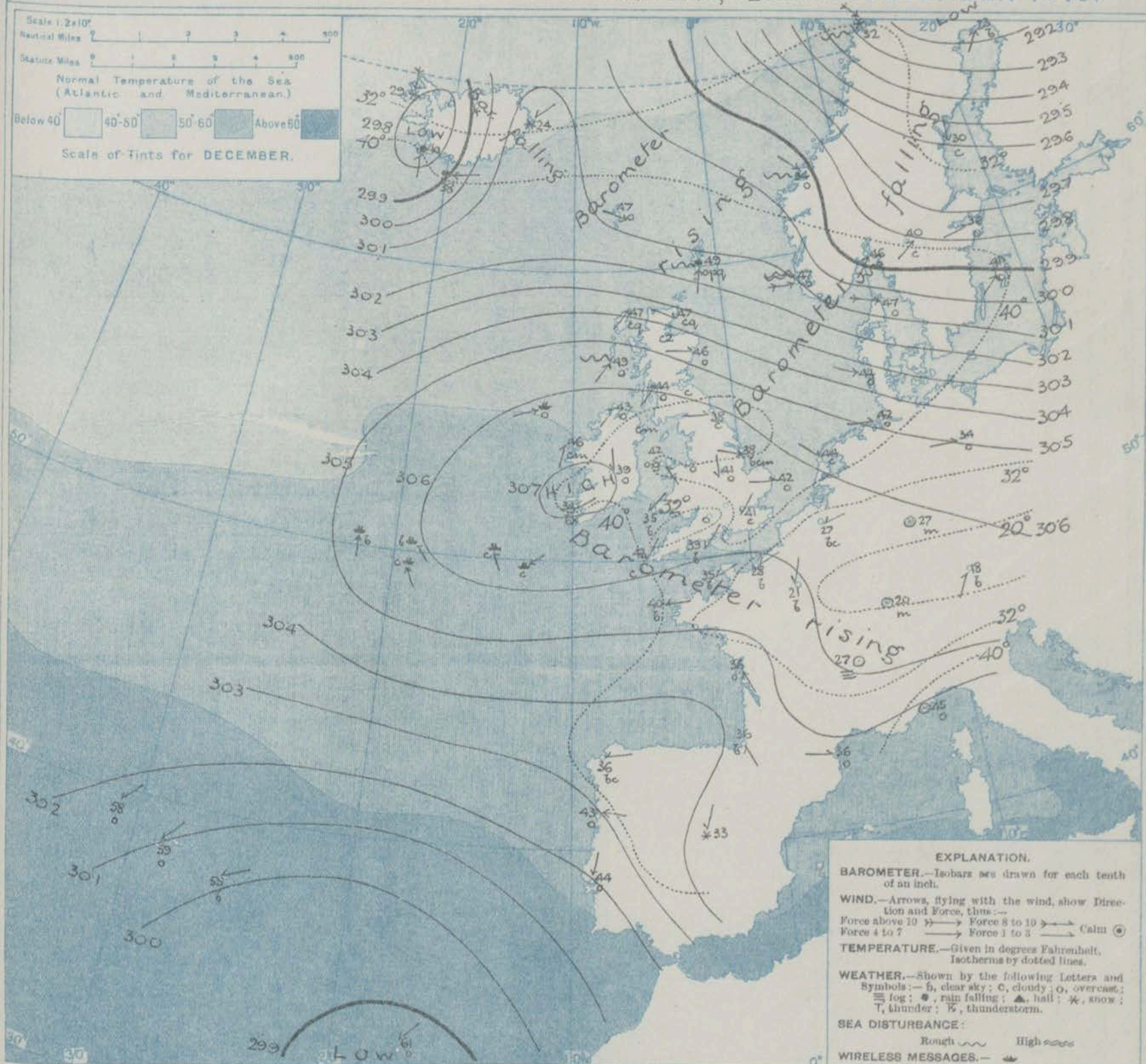
10 { a
b

None Issued.

11 WESTERN CHANNEL AND BAY.

THE FURTHER OUTLOOK.

SYNOPTIC CHART FOR 7 A.M. SUNDAY, 21ST DECEMBER 1913.



NOTES ON THE GENERAL SITUATION AT 7 A.M.

An anticyclone embraces the British Isles and the Western half of the Continent, the centre of the system, with the barometer at 30.7 in., lying over Southern Ireland. Pressure is at 29.3 in. in a depression over the west of Iceland, below 28.9 in. in another over Lapland, and below 29.9 in. at Madeira. The gradient is rather steep in many northern localities, slight elsewhere.

Northward of the ridge of highest pressure, South-Westerly to North-Westerly winds prevail, fresh to strong off the north of Scotland, strong to a strong gale in the Scandinavian region. To the southward a light Easterly breeze is reported. Over the United Kingdom temperature

ranges from 28° at Bath to 49° at Castlebay and Lerwick; on the Continent from 18° at Munich to 45° at Nice; and in Iceland from 24° to 40°. At Spitzbergen the reading is 15°. The weather is fine in most parts of France, but generally it is very cloudy to overcast, with mist or haze in places. Showers are falling in Scotland and in Eastern Iceland, snow in North-West Iceland and the Lapland region. A rather rough to rough or high sea is running between the north of Scotland and the Norwegian coast, elsewhere it is moderate to very smooth.

DAILY WEATHER REPORT.

Sunday, 21st December 1913.

OBSERVATIONS from the ATLANTIC OCEAN received by RADIOTELEGRAPHY.

DATE AND HOUR.	POSITION.		NAME OF SHIP.	Outward, Inward, or Home.	BAROMETER.		WIND.		WEATHER.	DATE AND HOUR.	POSITION.		NAME OF SHIP.	Outward, Inward, or Home.	BAROMETER.		WIND.		WEATHER.
	Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.			Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.	
21st Jan.	49	11	Minnehaha	H	30.68	+0.1	ENE	4-5	c	20th Jan.	50	16	Ascania	O	30.54	0.0	S	(0-12)	o
	49	7	Philadelphia	O	?	?	NNE	4-5	c		49	13	Mesaba	O	?	+0.4	SE	4-5	bc
20th Jan.	50	30	Grampian	O	30.18	+0.4	SSW	6-7	b		50	25	Grampian	O	30.24	-0.7	S	6-7	o
	49	28	Mauretania	H	30.20	+0.5	SSE	6-7	bc		50	22	Ausonia	H	30.25	+0.5	SSE	4-5	o
	49	27	Arabic	H	30.21	+0.6	SSW	4-5	m		51	18	Cedric	O	30.55	0.0	SE	1-3	e
	50	20	Cedric	O	?	-0.2	SE	4-5	b		50	13	Ascania	O	30.51	+0.3	SE	4-5	o
	50	18	Ansonia	H	30.53	+0.5	SSE	4-5	o		49	11	Minnehaha	H	30.39	+0.6	SSE	6-7	b
	49	17	Minnehaha	H	30.57	+0.2	SE	4-5	c										

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

STATIONS.	Rainfall.	TEMPERATURE.		WEATHER.		Sunshine to 6 p.m.	STATIONS.	Rainfall.	TEMPERATURE.		WEATHER.		Sunshine to 6 p.m.
		Max.	Min.	Forenoon.	Afternoon.				Max.	Min.	Forenoon.	Afternoon.	
Scot. land.	In.	F.	F.			Hr.	Margate	In.	F.	F.			Hr.
Oban	Ramsgate	...	...	...	bc	bc	6.0
St. Andrews	Folkestone	...	...	...	bc	b	6.1
Eng. N.E.	...	40	37	o	o	0.0	Hythe	...	...	...	...	...	5.0
Scarborough	Littlestone	...	...	...	...	...	6.9
Morecambe	...	42	38	o	o	0.0	Hastings	...	42	32	b	b	6.6
Blackpool	...	42	39	om	o	0.0	Bexhill-on-Sea	...	43	33	b	b	5.5
Southport	...	41	39	o	o	0.0	Eastbourne	...	43	30	b	bm	6.8
Mid. land.	Seaford	...	42	31	o	o	6.5
Buxton	...	40	35	c	c	0.0	Brighton	...	45	34	b	b	6.7
Leamington Spa	...	43	37	c.b	o	0.3	Worthing	...	43	33	b	b	6.7
Malvern	...	43	40	c	c	0.0	Littlehampton	...	...	...	...	...	...
Wales.	Southsea	...	...	...	...	...	...
Rhyl	...	44	39	o	o	0.0	Ryde	...	...	...	...	...	...
Colwyn Bay	Ventnor	...	...	...	...	...	...
Llandudno	Bournemouth	...	42	30	b	b	5.9
Bettws-y-Coed	Weymouth	...	43	34	b	bz	5.8
Aberystwyth	...	40	40	o.c.o	o.c.	1.7	Exmouth	...	...	...	...	...	...
Tenby	...	44	37	e	bc	1.8	Teignmouth	...	43	37	bc.b	b	3.7
England, E.	Torquay	...	...	...	...	...	...
Lowestoft	Paignton	...	43	39	c.bc	b	2.9
Felixstowe	...	45	36	bc	bc.o	2.7	Falmouth	...	42	35	c.c	c.bc	1.0
Walton-on-Naze	...	43	39	bc	bc.c.o	1.9	Bude	...	44	35	b	b	6.9
Southend-on-Sea	...	44	35	bc.b	bc	4.0	Ilfracombe	...	44	40	b	b.ba	5.6
							Weston-super-Mare	...	...	...	...	...	...

LONDON OBSERVATIONS.

Additional Observations for Yesterday.

STATIONS.	HUMIDITY.		Sunshine for Yesterday.	TEMPERATURE.		Rainfall.	WEATHER.		STATIONS.	Rainfall.	TEMPERATURE.		WEATHER.		Sunshine for Yesterday.
	3 p.m. Yesterday.	9 a.m. To-day.		In Screen.	Min. on Grass.		Forenoon.	Afternoon.			In Screen.	Night Min. on Grass.	Night.	Forenoon.	
Greenwich (Royal Obs.)	77	78	0.8	43	38	31	c.bc	o	Dublin to 4 p.m.	15	43	42	o	og	6.6
City (Bunhill Row)	...	...	0.1	...	...	...	...	...	Plymouth to 9 p.m.	42	36	32	b	b	0.0
Westminster (St. James's Pl.)	98	88	0.4	43	30	27	bc.m	bc.om	Darwen	41	36	36	og	og	...
Camden Sq. (Brit. Rainfall)	76	81	0.8	44	27	33	c	c.o	Manchester	...	...	...	...	...	...
Hampstead (Reservoir)	...	79	0.7	41	38	23	o	c.o	Birmingham	42	39	36	o	o	0.0
Richmond Park	...	...	0.5	...	...	...	...	...	Oxford to 8 p.m.	43	36	29	o.c	c	...
Kew. (See front page.)	...	...	...	...	...	...	...	...
VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.															
Total.				Average Rate.				Max. Rate.							
S. Kensington (Roof of M.O.)				134 Joules.				4.8 Milliwatts.				S. Kensington (Museum Grounds to 6 p.m.)			
78				84				0.0				43			

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM TO-DAY AND TO-MORROW

NOTES ON YESTERDAY'S WEATHER.

21st & 22nd Dec. 1913.	Sunrise.	Noon.	Sunset.	
Yarmouth	G.M.T. 8.4	G.M.T. 11.51	G.M.T. 3.38	Temperature rose as high as 49° over Northern Scotland, but over the greater part of the British Isles the maxima were below 45°, only 40° at Buxton, Harrogate and Jersey, 39° at Aberdeen. This morning Bath registered a shade minimum of 25°, but only a few other stations report slight frost. There was little or no bright sunshine over northern districts yesterday, but in the south of England the records were very large, 7 hours at Dover, Hastings and Bude, more than 5 hours generally. As far west as the 31st meridian ships experienced light to fresh or strong Easterly to Southerly winds and fine to cloudy weather, mist locally.
Greenwich	8.5	11.58	3.51	
Wick	8.6	11.59	3.52	
Valencia	9.3	12.10	3.17	
	9.4	12.11	3.18	
	8.49	12.39	4.29	
	8.50	12.40	4.30	

NOTE.—The information relating to weather is indicated by the following letters—b. blue sky; bc. sky half clouded; c. sky three parts clouded; d. drizzling rain; e. wet air, without rain falling; f. fog; g. gloom; h. hail; i. lightning; m. mist; o. overcast sky; p. passing showers; q. squalls; r. rain; s. snow; t. thunder; u. ugly, threatening sky; v. visibility, unusual transparency; w. dew; x. hoar frost; z. dust, haze, or smoke.

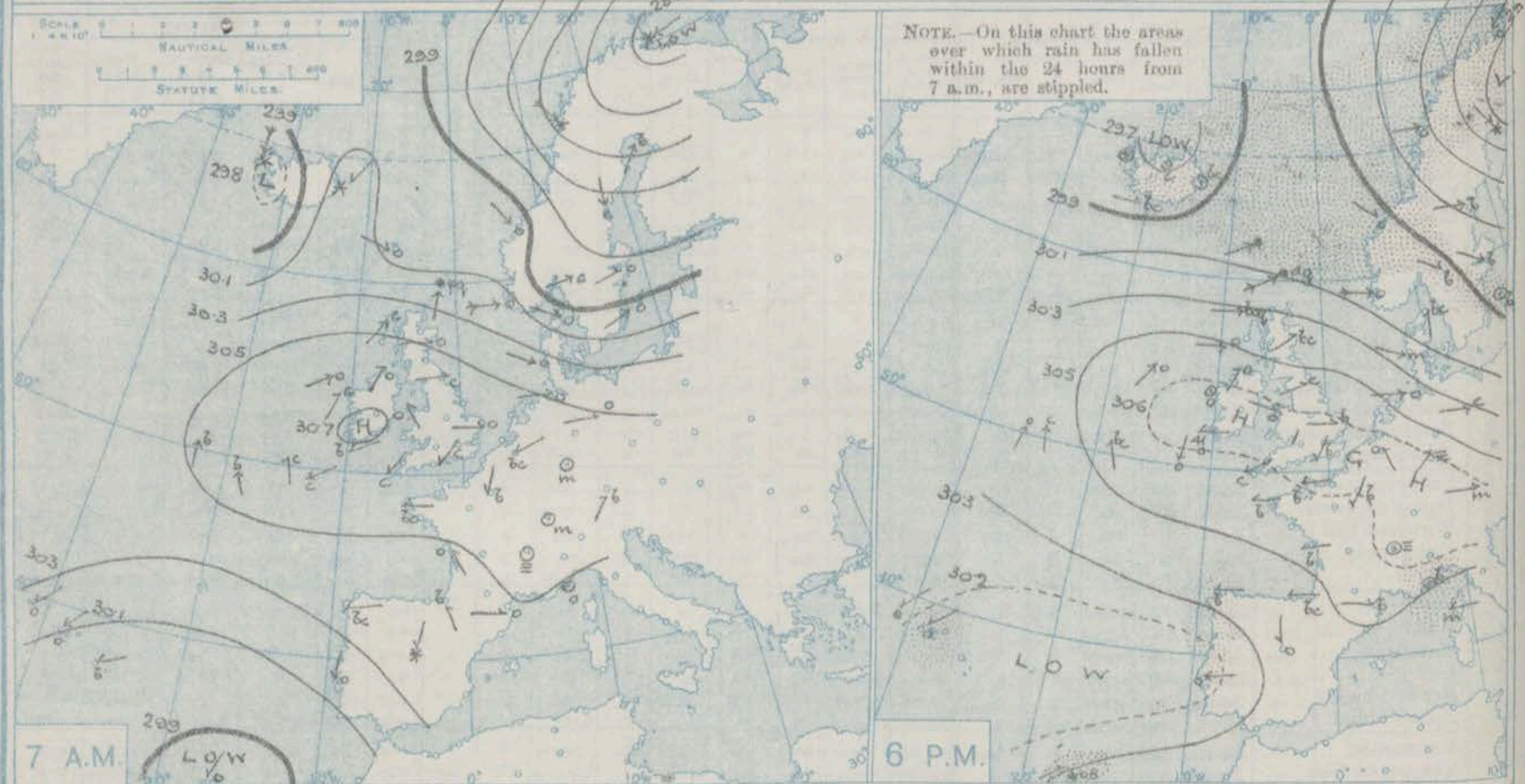
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DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

Monday,
22nd December, 1913.

STATIONS.	YESTERDAY EVENING.						THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.							Sun- shine for Yester- day.
	BAROM.		TEMP.		WIND.	Weather	BAROMETER.		TEMP.		WIND.	Weather.	Sea (0 to 9).	Rain fall.	TEMP.		WEATHER.							
	At 32° F. and M.S.L. Lat. 45°.	Dry Bulb.	Change since 4 a.m.	Dry Bulb.			Change since Yester- day.	Max.	Min.	Morning. 7 a.m. to 1 p.m.					Afternoon 1 p.m. to 6 p.m.	Night. 6 p.m. to 7 a.m.								
	In.	F.	In.	F.			In.	F.	In.	F.					Morning. 7 a.m. to 1 p.m.	Afternoon 1 p.m. to 6 p.m.	Night. 6 p.m. to 7 a.m.							
BRITISH ISLANDS.	Lerwick ...	30.09	49	WSW	0	odq	29.92	-0.4	49	0	WSW	3	omqr	6	0.13	49	47	odmq	odmq	odmq	*			
	Stornoway ...	30.39	48	W	5	bcq	30.16	-0.7	48	+1	SW	5	aq	5	-	49	47	ca	bcq	bc.og	0.2			
	Castlebay (Barra Isd.)	30.49	49	W	4	o	30.25	-0.7	48	-1	W	4	o	4	-	50	48	c	c	c	0.0			
	Glasgow ...	30.53	45	SW	3	o	30.30	-0.8	45	+1	WSW	3	o	*	-	45	44	o.c	c.o	o	0.0			
	Malin Head...	30.59	46	SW	3	o	30.35	-1.0	44	+1	SSW	4	o	4	-	47	42	om	ogm	ogm	*			
	Blackrod Point	30.64	47	-	0	om	30.38	-0.9	43	-3	WSW	3	om	2	Trace	48	40	cm.om	om	om	*			
	Valencia ...	30.65	41	E	2	om	30.39	-0.5	42	+8	E	2	og	3	-	42	31	bcz	cm	omg	0.9			
	Roche's Point	30.66	42	NE	2	o	30.43	*	41	-1	NE	1	o	2	0.01	44	40	og	am	o	*			
	Birr Castle ...	30.67	32	N	1	c	30.42	*	36	-3	N	1	o	*	-	42	31	c	c	c.o	0.4			
	Donaghadee ...	30.58	42	W	1	om	30.42	-0.7	40	+4	W	3	om	2	-	43	35	bcm	om	om	*			
	Liverpool Obsy.	30.53	41	W	3	bc	30.43	-0.5	40	0	WSW	2	o	2	-	44	39	om	o	o.b.a	0.0			
	Holyhead ...	30.65	44	WNW	2	og	30.42	-0.8	44	+2	NW	2	o	1	-	45	42	omg	og	oz	0.0			
	Pembroke (St. Ann's Hd.)	30.65	39	NE	2	c	30.45	-0.6	39	+4	NE	3	om	2	Trace	41	35	bm	bm	cm	2.5			
	Newquay ...	30.61	39	E	1	o	30.49	-0.5	38	+6	SE	2	cm	2	-	41	31	b.bc	cm	c	2.0			
	ICELAND, FAEROE, &c.	Scilly (St. Mary's)	30.58	45	ENE	4	cm	30.38	-0.5	46	+4	ESE	3	cz	4	-	46	40	cm	cm	bcm.cm	0.1		
Jersey (St. Aubin)		30.60	38	E	3	bm	30.45	*	36	+1	E	2	bm	2	-	43	30	cm	bm	bmiox	6.9			
Portland Bill		30.62	41	NE	3	c	30.43	-0.4	39	0	NE	4	bc	3	-	42	37	bc.c	c.o	c.o	*			
Dungeness ...		30.63	41	NE	3	o	30.50	-0.3	35	-9	NE	2	m	2	-	45	34	bc.o	o.c.o	o.cm	*			
Dover ...		30.62	39	NW	2	o	30.46	*	32	-9	W	1	cm	2	-	42	31	c	c.o	c.b.c	0.0			
Wick ...		30.33	47	WSW	3	c	30.10	-0.5	46	-1	W	4	bcq	5	-	49	44	ca	ca	ca.bca	*			
Nairn ...		30.40	46	WSW	4	o	30.21	-0.5	46	-2	WSW	3	cu	2	-	49	44	ca	ca	ca.bca	0.0			
Aberdeen ...		30.42	46	WSW	3	bc	30.22	-0.5	43	-3	SW	1	b	2	-	49	38	c.bc	bc	bc.b	1.8			
Leith ...		30.48	46	WSW	4	b	30.26	-0.8	47	+2	WSW	3	o	*	-	47	44	c	bc.b	c.o	*			
North Shields		30.55	41	WSW	2	c	30.33	-0.2	41	+3	WSW	2	c	2	-	45	39	c	c	bc.o	?			
Spurn Head		30.55	41	WNW	4	m	30.40	-0.2	38	0	W	4	cm	4	-	42	36	bcm	bcm	bcm	1.3			
Yarmouth ...		30.64	36	W	1	bm	30.43	-0.2	34	-8	W	2	cm	1	-	43	30	bm	bcm	bcm	0.0			
Clacton-on-Sea		30.63	35	NW	1	m	30.47	-0.5	30	-11	WNW	1	bcmad	1	-	42	30	o.c	c.om	c.bcm	0.0			
Nottingham...		30.63	33	SW	1	o	30.45	*	35	-6	W	1	o	*	-	41	28	o.c.bm	bc.om	om.bx	0.0			
Bath ...		30.63	31	E	-	m	30.49	*	32	+4	E	1	m	*	-	41	28	om	c.om	om	0.5			
London (Kew Obsy.)	30.65	36	NE	1	bx	30.48	-0.5	34	-7	-	0	cmze	*	-	41	31	c.om	om.c.bx	b.c.om	0.0				
SCANDINAVIA.	Spitzbergen ...	29.93	3	E	1	b	29.95	+0.4	-6	-21	-	0	b	*	-	15	-11	GALES.						
	Isafjord...	29.76	32	-	0	s	29.90	+0.1	29	0	E	9	o	*	-	*	*	Duration and Extreme Force in British Islands						
	Reykjavik ...	29.84	25	-	0	o	29.74	-0.5	34	-6	E	2	o	*	-	*	*							
	Vestmanna ...	29.86	29	-	0	bc	29.76	-0.6	37	-1	E	3	c	3	-	*	*							
	Seydisfjord	29.85	28	-	0	bc	29.78	+0.1	28	+4	-	0	o	*	-	*	*							
	Thorshavn ...	29.98	47	WSW	7	r	29.88	-0.3	41	-6	WNW	2	bc	*	-	*	*							
	Haparanda ...	29.13	28	NW	4	s	29.34	+0.3	20	-3	N	4	o	*	Trace	28	14							
	Hernösand ...	29.63	28	WNW	6	b	29.57	-0.1	26	-4	N	2	b	*	-	30	25							
	Stockholm ...	29.78	28	WNW	6	b	29.62	-0.4	30	-6	W	2	o	*	-	37	27							
	Wisby ...	29.87	34	-	0	b	29.69	-0.9	35	-6	NNW	2	o	*	0.12	41	34							
	Karlstad ...	29.97	30	WNW	2	b	29.62	-0.8	31	-9	-	0	o	*	0.04	43	27							
	Vardö ...	29.13	29	NE	6	o	29.24	1.00	27	-3	NE	8	o	6	?	30	23							
	Bodö ...	29.53	31	W	6	o	29.56	1.00	30	-2	NW	2	o	2	?	34	27							
	Christiansund	29.94	32	NW	2	o	29.67	1.00	33	-1	-	0	s	4	0.39	34	32							
	Skudesnaes ..	30.07	46	W	8	o	29.92	-0.3	47	0	WNW	8	r	5	0.35	48	41							
Færder (X'ania Fjord)	29.97	38	SE	2	b	29.64	-0.2	47	+1	SW	6	b	4	-	46	37								
The Scaw (Skagen)...	29.98	43	SSE	2	bc	29.76	-0.4	47	0	WNW	9	bc	3	-	48	41								
Blaavands Huk ...	30.28	47	WNW	6	m	30.14	-0.4	46	+2	WNW	6	m	4	-	47	43								
GERMANY, &c.	Cuxhaven ...	30.39	46	W	5	o	30.26	-0.5	44	+2	W	3	o	0	-	46	42							
	Berlin ...	30.28	37	W	5	c	30.22	-0.2	39	+5	SW	6	o	*	Trace	41	34							
	Frankfurt ...	30.61	30	SW	1	f	30.52	-0.2	30	+3	SW	1	m	*	-	34	25							
	Munich ...	30.63	25	W	1	m	30.59	-0.2	20	+2	NNE	2	b	*	-	28	18							
	The Helder ...	30.54	45	W	4	c	30.38	-0.4	45	+1	W	4	o	1	-	46	43							
	Brussels ...	30.61	34	SE	1	o	30.50	*	35	+8	WSW	1	o	*	-	41	26							
	C. Gris Nez...	30.62	40	ENE	2	o	30.47	-0.4	40	+6	W	3	o	2	-	43	24							
	La Hève ...	30.61	36	ENE	2	m	30.48	*	28	0	E	2	m	2	-	37	25							
	Ushant...	30.52	42	E	3	b	30.38	*	41	+1	S	3	b	3	-	45	37							
	Brest (St. Mathieu)	30.55	38	E	2	bc	30.39	-0.6	39	+3	ESE	4	b	2	-	45	34							
	Lorient (Bec Melen)...	?	39	ESE	3	bc	?	*	36	+4	E	4	c	2	-	43	32							
	Rochefort (Ile d' Aix)	30.54	36	E	3	b	30.40	-0.4	35	-1	ESE	3	b	*	-	39	25							
	Biarritz ...	30.43	44	E	2	bc	30.34	-0.3	36	0	E	3	b	1	-	48	36							
	FRANCE.	Paris ...	30.61	28	NE	1	b	30.51	-0.2	18	-3	-	0	f	*	-	34	18						
		Belfort ...	30.65	27	-	0	m	30.60	*	18	-2	-	0	f	*	-	35	15						
Lyons ...		30.65	30	-	0	f	30.61	*	26	-1	SW	1	f	*	-	30	26							
Nice ...		30.50	41	-	0	f	30.41	-0.2	44	-1	-	0	b	2	0.32	46	39							
Perpignan ...		30.54	40	W	1	b	30.47	-0.2	32	-3	W	1	b	*	-	49	31							
Sanguinaire ...		30.47	49	E	2	m	30.39	*	51	0	E	2	b	2	-	52	46							
Corunna (8 a.m.)		30.34	47	E	1	b	30.13	-0.8	50	+14	SW	3	o	2	0.08	54	36							
Lisbon (9 a.m.)		30.15	54	E	4	o	30.10	+0.4	53	+9	SE	4	r	5	0.08	54	44							
Gibraltar ...																								
Azores (Horta, 8 a.m.)		30.15	*	NE	5	o	30.24	+0.2	57	-2	NNE	4	b	3	0.04	61	55							
Madeira (Funchal) ...		30.31	58	SW	3	r	30.27	+0.1	58		SW	3	r	3	0.83	63	57							

BAROMETER, WIND AND WEATHER FOR 7 A.M. AND 6 P.M. 21ST DECEMBER.



GENERAL INFERENCE

WEATHER PROSPECTS.

The anticyclone will continue to drift away in a Southerly direction, and the weather over the United Kingdom will be influenced to an increasing extent by depressions which are moving over the upper part of the

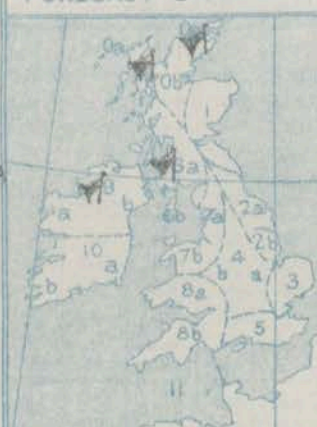
Atlantic. Westerly and South-Westerly winds are, therefore, likely to become general, with milder and less settled weather.

FORECASTS FOR THE 24 HOURS NOON MONDAY

TO NOON TUESDAY.

- 0 {
a } Westerly and South-Westerly winds, increasing in strength; mild, unsettled, occasional rain.
b }
- 1 {
a } Westerly and South-Westerly winds
b } freshening; fair at first, showery later;
becoming milder.
- 2 {
a }
b }
- 3 {
a } Light to moderate Westerly winds;
b } fair in places, but mostly dull and
misty; cold today, milder tomorrow.
- 4 {
a }
b }
- 5 {
a }
b }

FORECAST DISTRICTS.



STORM WARNINGS.

The Coasts upon which the Warning Signals are at present displayed are indicated thus:—

Signals hoisted yesterday.	Signals hoisted this morning.
South Cone.	South Cone.
North Cone.	North Cone.

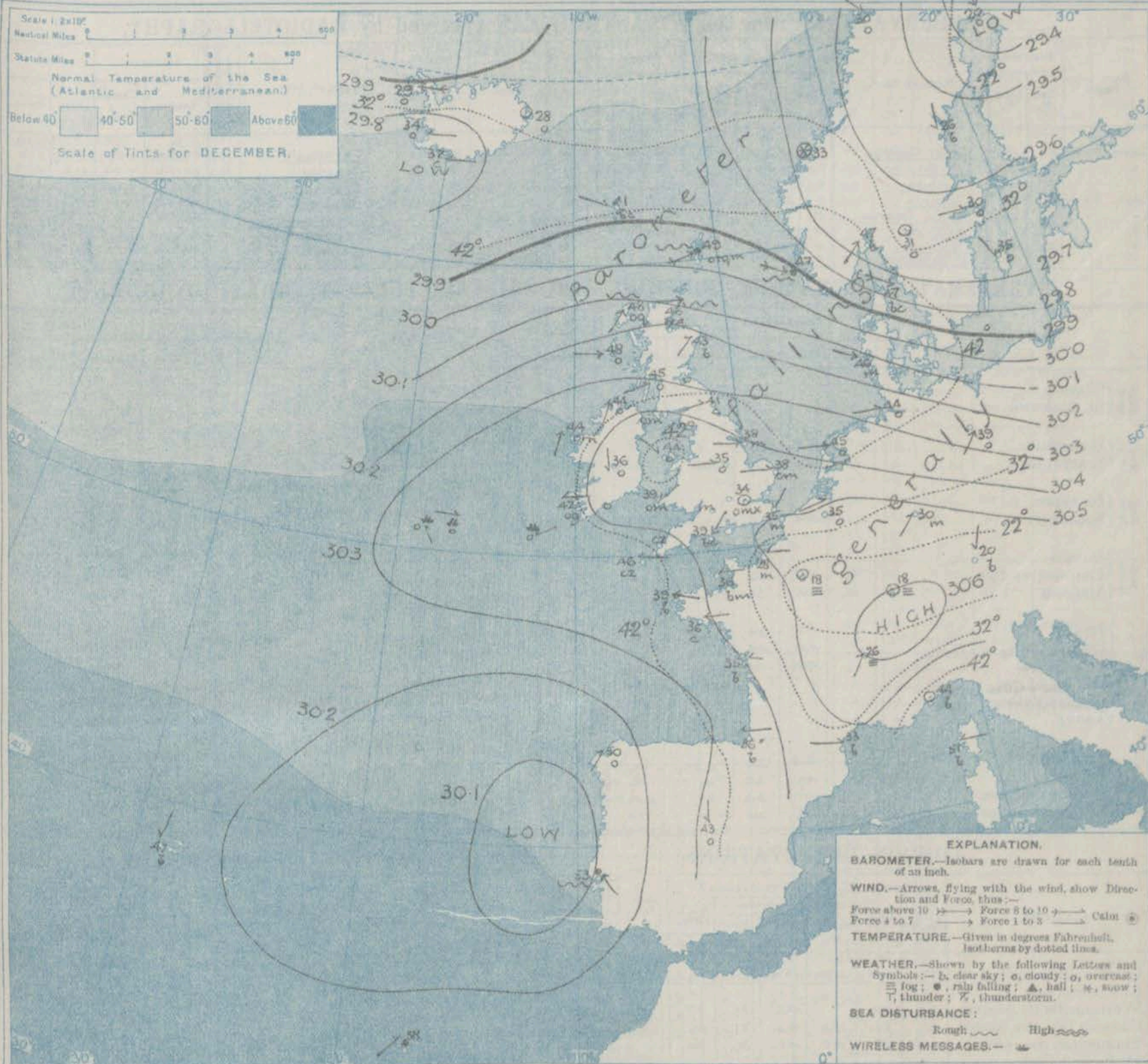
SOUTH CONE HOISTED in Districts 0, 6 and 9, at 8.50am to-day.

- 6 {
a } Same as No. 0.
b }
- 7 {
a } Same as Nos. 1 and 2.
b }
- 8 {
a } Variable breezes, finally South-
b } Westerly; cloudy, misty; cold today, milder to-morrow.
- 9 {
a } Same as No. 0.
b }
- 10 {
a } Same as No. 8.
b }
- 11 WESTERN CHANNEL AND BAY. Light Easterly and South-Easterly winds, subsequently shifting to South-West mouth of Channel; sea slight; fair generally, but misty or foggy in places, normal temperature.

THE FURTHER OUTLOOK.

SYNOPTIC CHART FOR 7 A.M. MONDAY, 22nd

DECEMBER 1913.



NOTES ON THE GENERAL SITUATION AT 7 A.M.

The anticyclone recently noticed over North-Western Europe is moving southward. The lowest pressures are found over the Kola Peninsula, but a well marked depression lies to the southward of Iceland, and a secondary disturbance is apparently advancing towards our own extreme northwest coasts.

The wind is light to moderate from the Eastward on our south and south-west coasts and over the Bay of Biscay. In nearly all other parts of our area of observation it varies between South-West and North-West, and in Shetland and the South of Norway it blows with the force of a gale. Temperature has changed irregularly. Over the United Kingdom the distribution is abnormal, the highest readings, 45° and upwards, being reported over Scotland,

and the lowest, 30° to 35° over eastern and central England. Sharp frost prevails at many of the Continental stations. The weather is fine in the east of Scotland, and also in the west and south of France. Elsewhere the sky is overcast, with mist or fog in many places, rain in Shetland, and the south of Norway, and snow at Christiansund. The sea is slight or smooth generally, but rough off the north of Scotland.

DAILY WEATHER REPORT.

Monday, 22nd December 1913.

OBSERVATIONS from the ATLANTIC OCEAN received by RADIOTELEGRAPHY.

DATE AND HOUR.	POSITION.		NAME OF SHIP.	Outward. H = Homeward.	BAROMETER.		WIND.		WEATHER.	DATE AND HOUR.	POSITION.		NAME OF SHIP.	Outward. H = Homeward.	BAROMETER.		WIND.		WEATHER.
	Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.			Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.	
22nd 7 a.m.	51	18	Royal George	H	30.34	-0.09	SE	1-3	0	21st 6 p.m.	51	11	Campania	O	30.54	-0.00	NE	(0-12)	0
"	51	18	Campania	O	30.36	-0.02	NE	4-5	0	"	50	10	Ausonia	H	30.56	-0.04	NE	4-5	bc
"	51	17	Canada	O	?	?	W	1-3	0	" 7 a.m.	50	22	Arabic	H	30.51	+0.04	S	4-5	bc
21st 6 p.m.	50	28	Osceola	O	30.44	-0.02	SSW	4-5	0	"	50	22	Arabic	O	30.53	+0.02	S	4-5	b.
"	51	24	Royal George	H	30.43	-0.02	SSE	4-5	C	"	50	19	Mauretania	H	30.58	+0.07	SE	1-3	b.
"	51	18	Arabic	H	30.58	0.00	SSE	1-3	bc	"	49	18	Mesaba	O	?	?	SSE	4-5	C
"	55	16	Caledonia	O	30.55	-0.16	SW	6-7	0	"	50	14	Ausonia	H	30.65	-0.01	SSE	1-3	C
"	50	12	Philadelphia	O	30.58	0.00	NNE	4-5	0	22nd "	51	12	Arabic	H	30.38	-0.06	ENE	1-3	0

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sunshine to 6 p.m.	STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sunshine to 6 p.m.
			Max.	Min.	Forenoon.	Afternoon.					Max.	Min.	Forenoon.	Afternoon.	
Scot. land.	Oban ...	In.	F.	F.			Hr.	England, S.E.	Margate ...	In.	F.	F.			Hr.
	St. Andrews ...								Ramsgate ...						
Eng. N.E.	Harrogate ...	-	42	31	b	b	3.2	England, S.E.	Folkestone ...	-	44	41			0.0
	Scarborough ...	-	45	34	bc	c.b.	0.5		Hythe ...	-	43	40	0	0	0.0
Eng. N.W.	Blackpool ...	-	44	39	gb. bc	bc. o. bc	1.9	England, S.E.	Littlestone ...	-	44	39	bc. o	0	0.0
	Southport ...	-	44	39	gb. bc	bc. o. bc	1.9		Hastings ...	-	44	39	c	0	0.0
Mid. land.	Buxton ...	-	40	32	o	o	0.0	England, S.E.	Bexhill-on-Sea ...	-	44	39	c	0	0.0
	Leamington Spa ...	-	44	36	c	c. bc	0.0		Eastbourne ...	-	44	35	om	om	0.0
Wales.	Rhyl ...	-	45	38	og	o	0.0	England, S.W.	Seaford ...	-	44	36	cm	om	0.7
	Colwyn Bay ...	-	44	40	o	o	0.0		Brighton ...	-	44	36	cm	om	0.7
England, E.	Llandudno ...	-	44	41	o	bc	0.0	England, S.W.	Worthing ...	-	43	38	bc. c	c	0.2
	Bettws-y-Coed ...	-	44	41	o	bc	0.0		Littlehampton ...	-	43	38	bc. c	c	0.0
England, E.	Aberystwyth ...	-	44	41	o	bc	0.0	England, S.W.	Southsea ...	-	43	32	o	o	0.0
	Tenby ...	-	44	41	o	bc	0.0		Ryde ...	-	44	40	z	z	1.0
England, E.	Lowestoft ...	-	44	34	c. bc	bc. b.	0.0	England, S.W.	Ventnor ...	-	44	38			2.0
	Felixstowe ...	-	42	35	m. o	bc. bf.	0.0		Bournemouth ...	-	42	30	x. b	o	3.0
England, E.	Walton-on-Naze ...	-	41	34	om	om. bm	0.0	England, S.W.	Weymouth ...	-	42	33	b	bc. c	3.2
	Southend-on-Sea ...	-	43	38	o	o	0.0		Exmouth ...	-	44	36	bc. c	c	0.0
England, E.	Lowestoft ...	-	44	34	c. bc	bc. b.	0.0	England, S.W.	Teignmouth ...	-	44	36	bc. c	c	0.1
	Felixstowe ...	-	42	35	m. o	bc. bf.	0.0		Torquay ...	-	44	36	o	c. o	0.2
England, E.	Walton-on-Naze ...	-	41	34	om	om. bm	0.0	England, S.W.	Paignton ...	-	46	37	e	c	0.2
	Southend-on-Sea ...	-	43	38	o	o	0.0	England, S.W.	Falmouth ...	-	44	32	o	o	0.0
England, E.	Lowestoft ...	-	44	34	c. bc	bc. b.	0.0		Bude ...	-	43	34	c	bc	4.1
	Felixstowe ...	-	42	35	m. o	bc. bf.	0.0	England, S.W.	Ilfracombe ...	-	44	38	b. bc. c	bz	4.0
England, E.	Walton-on-Naze ...	-	41	34	om	om. bm	0.0		Weston-super-Mare ...	-	42	31	b	b. bcm	4.5
	Southend-on-Sea ...	-	43	38	o	o	0.0								

LONDON OBSERVATIONS.

Additional Observations for Yesterday.

STATIONS.	HUMIDITY.		Sunshine for Yesterday.	TEMPERATURE.			Rainfall.	WEATHER.			STATIONS.	Rainfall.	TEMPERATURE.			Sunshine for Yesterday.
	3 p.m. Yesterday.	9 a.m. To-day.		Max.	Min.	Mean.		Forenoon.	Afternoon.	Night.			Max.	Min.	Mean.	
Greenwich (Royal Obs.) ...	77	84	0.0	42	31	19	-	0	o. bc. c	0	Dublin to 4 p.m.	In.	F.	F.	F.	
City (Banhill Row) ...	77	84	0.0	42	31	19	-	0	o. bc. c	0	Plymouth to 9 p.m.					
Westminster (St. James's Pk.) ...	90	93	0.0	43	30	27	-	bc. om	om	of	Darwen					
Camden Sq. (Brit. Rainfall) ...	82	82	0.0	42	31	28	-	c. o	o. om	z	Manchester					
Hampstead (Reservoir) ...	85	85	0.0	40	30	16	-	bc. f	o. of	of	Birmingham					
Richmond Park ...	85	85	0.0	40	30	16	-	bc. f	o. of	of	Oxford to 8 p.m.					
Kew. (See front page.)	85	85	0.0	40	30	16	-	bc. f	o. of	of						
VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.																
				Total.		Average Rate.		Max. Rate.								
				58 Joules.		2.1 Milliwatts.		4.0 Milliwatts.								
S. Kensington (Roof of M.O.)	73	73	0.0	58	38	26	0	0z	0z. bc.		S. Kensington (Museum Grounds to 6 p.m.)	-	42	38	26	0

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM TO-DAY AND TO-MORROW

22nd & 23rd Dec.: 1913.	Sunrise.	Noon.	Sunset.
Yarmouth ...	G.M.T. 8.5	G.M.T. 11.52	G.M.T. 3.39
Greenwich ...	8.5	11.52	3.39
Wick ...	8.6	11.59	3.52
Valencia ...	8.6	11.59	3.52
	9.4	12.11	3.18
	9.4	12.11	3.18
	8.50	12.40	4.30
	8.50	12.40	4.30

The maximum temperature recorded yesterday were below 45° at most of our Eastern and Central stations; sharp frost occurred in the same districts at night; at Kew and Nottingham the thermometer on the grass fell to 21°, at Greenwich to 19°, and at Hampstead to 16°. Over a large portion of England there was an entire absence of bright sunshine. Wireless reports show that between the Irish coasts and the 22nd meridian ships experienced light to fresh breezes from between South and East, with fair weather.

NOTE.—The information relating to weather is indicated by the following letters—b. blue sky; bc. sky half clouded; c. sky three parts clouded; d. drizzling rain; e. wet air, without rain falling; f. fog; g. gloom; h. hail; i. lightning; m. mist; o. overcast sky; p. passing showers; q. squalls; r. rain; s. snow; t. thunder; u. ugly, threatening sky; v. visibility, unusual transparency; w. dew; x. hoar frost; z. dust-haze, or smoke.

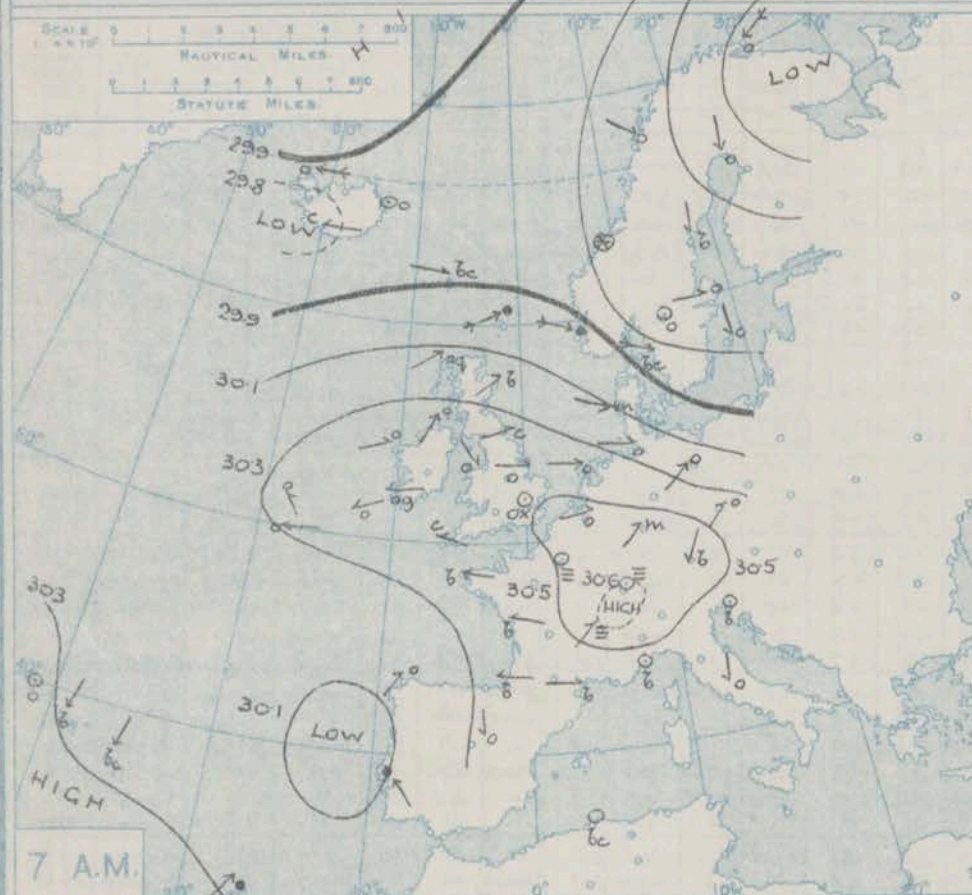
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DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

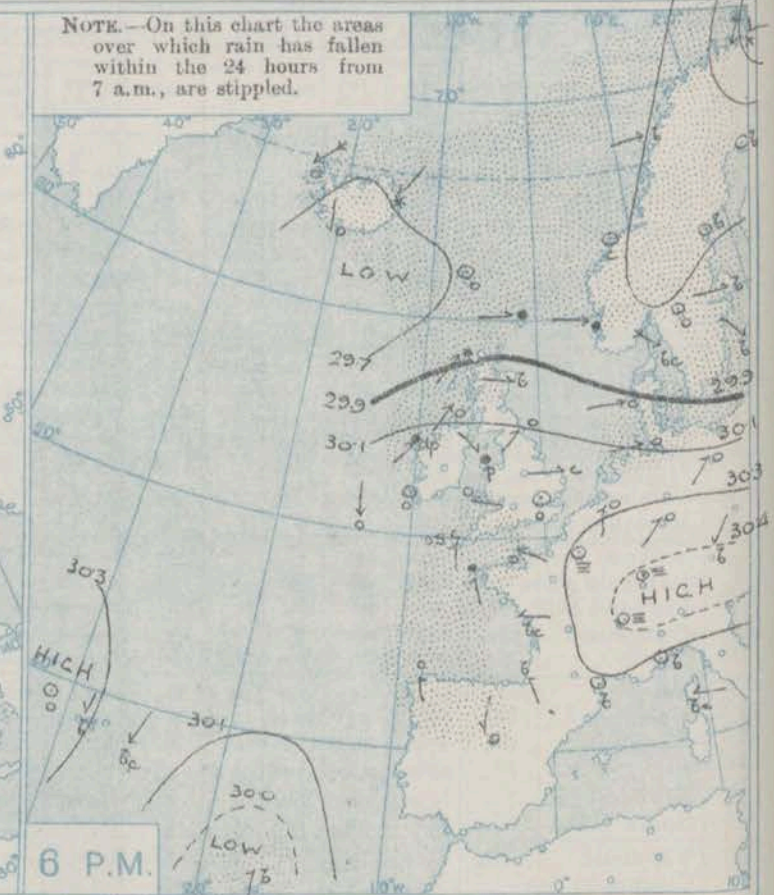
Tuesday,
23rd December, 1913.

STATIONS.		YESTERDAY EVENING.					THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.							Sun- shine for Yester- day.
		BAROM.		TEMP.		WIND.	BAROMETER.		TEMP.		WIND.	Force (0 to 12).	Weather.	Sea (0 to 9).	Rain fall.	TEMP.		WEATHER.						
		At 32° F. and M.S.L. Lat. 46°	Dry Bulb.	Direc.	Force (0 to 12).		Weather.	At 32° F. and M.S.L. Lat. 46°	Change since 4 a.m.	Dry Bulb.						Change since Yester- day.	Direc.	Max.	Min.	Morning 7 a.m. to 1 p.m.	Afternoon 1 p.m. to 6 p.m.	Night 6 p.m. to 7 a.m.		
BRITISH ISLANDS.	Lerwick ...	29.76	43	W	1	or	29.48	-0.4	42	-7	SW	3	C	1	0.45	48	38	or	or	or	0.0			
	Stornoway ...	29.89	46	SW	4	or	29.69	-0.4	39	-9	NW	3	bc	3	0.21	48	39	dpdq	opbr	opbr	0.0			
	Castlebay (Barra Isd.)	29.96	48	SW	4	o	29.75	-0.4	44	-4	W	4	bc	5	0.13	48	42	dp	bc	bc	0.0			
	Glasgow ...	30.06	42	WSW	4	c	29.77	-0.5	42	-3	WSW	3	odg	8	0.03	45	40	dp	o.c	dp.c	0.0			
	Malin Head...	30.07	40	SW	5	o	29.82	-0.3	44	0	NW	5	bc	5	0.08	46	39	egq	omg	bcq	0.0			
	Blacksod Point	30.14	45	SW	3	dpd	29.93	-0.3	44	+1	WSW	3	omp	3	0.02	47	41	eg	ogbd	ogbd	0.0			
	Valencia ...	30.18	41	-	0	og	29.97	-0.5	36	-6	NE	1	bm	4	-	43	35	og	og	og	0.0			
	Roche's Point	30.19	41	-	0	o	29.96	-	40	-1	NE	1	o	1	-	44	40	om	o	o	0.0			
	Birr Castle ...	30.19	37	E	1	o	29.93	-	34	-2	-	0	o	o	-	38	32	o	o	o	0.0			
	Donaghadee ...	30.13	36	WSW	3	cm	29.86	-0.7	40	0	WSW	2	om	2	-	40	35	cm	cm	bc.cm	0.0			
	Liverpool Obsy...	30.20	39	SW	3	o	29.91	-0.4	40	0	WSW	2	o	2	-	42	39	om	o	o	0.0			
	Holyhead ...	30.21	42	NW	2	opm	29.94	-0.6	43	-1	W	2	o	2	-	44	41	omg	cepm	obob.o	0.0			
	Pembroke (St. Ann's Hd.)	30.19	42	ENE	3	o	29.94	-0.4	42	+3	N	1	omr	1	0.01	47	39	om	ogm	ogm	0.0			
	Newquay ...	30.18	39	SE	2	bg	29.87	-0.7	42	+4	E	2	ogrm	2	0.24	47	38	og	bcg	oor	1.0			
SCANDINAVIA.	Scilly (St. Mary's)	30.18	44	S	1	c	29.81	-0.7	50	+4	E	4	qnr	4	0.52	50	43	bcm	cm	o.omm	1.4			
	Jersey (St. Aubin)	30.24	43	SE	3	om	29.96	-	43	+7	SE	3	ogm	3	Trace	45	35	bm	com	ogmde	1.8			
	Portland Bill	30.21	45	SE	2	c	29.97	-0.6	44	+5	NE	2	or	2	0.05	47	40	bc	bcc	c.or	0.0			
	Dungeness ...	30.28	41	S	3	o	30.02	-0.2	40	+5	S	2	ogx	3	-	40	35	om.o	om.o	omac	0.0			
	Dover ...	30.23	39	SW	2	o	29.97	-	39	+7	SSW	1	od	2	0.01	42	32	og.c	o.o	o.d	0.0			
	Wick ...	29.86	45	SW	4	bc	29.61	-0.3	38	-8	W	4	bc	3	0.03	47	36	bcg	bcg	imp.be	0.0			
	Nairn ...	29.93	43	WSW	2	bcg	29.69	-0.3	40	-6	W	1	bc	1	0.01	46	38	bc	bcg	ad	0.0			
	Aberdeen ...	29.93	39	W	1	b	29.68	-0.5	39	-4	W	1	b	2	-	16	27	b.bcg	bcg.b	b.be	1.8			
	Leith ...	30.02	43	W	3	o	29.74	-0.8	43	-4	WSW	2	od	2	Trace	47	41	og	od.o	c.bc	0.0			
	North Shields	30.10	40	SW	2	o	29.80	-0.4	41	0	WSW	2	c	2	-	45	38	o	o	o.e	0.0			
	Spurn Head ...	30.13	37	W	4	f	29.88	-0.4	37	-1	SW	4	om	4	-	41	36	f	f	om	0.0			
	Yarmouth ...	30.22	36	W	2	cm	29.94	-0.5	34	0	NW	2	bc	2	-	38	30	cm	cm	om.be	0.0			
	Clacton-on-Sea	30.26	35	W	1	ogm	29.98	-0.4	36	+6	W	1	ogm	1	Trace	38	29	bcgm	ogm	ogmps	0.0			
	Nottingham...	30.21	36	SW	2	o	29.95	-	34	-1	WSW	1	o	o	-	38	33	om	om	o	0.0			
Bath ...	30.24	37	ENE	1	o	29.97	-	32	0	E	1	m	o	-	38	30	mg	mg	o.cm	0.0				
London (Kew Obsy.)	30.26	37	-	0	om	29.98	-0.5	33	-1	-	0	ofae	o	-	38	32	omx	om	ombmofae	0.0				
GERMANY, &c.	Spitzbergen ...	29.87	-1	S	2	o	29.66	-0.8	-8	-2	WNW	2	bc	o	-	0	-15	-	-	-	-			
	Isafjord...	29.88	28	NE	8	o	30.02	+0.3	25	-4	N	9	o	o	-	-	-	-	-	-	-			
	Reykjavik ...	29.88	34	N	2	b	29.91	+1.2	29	-5	N	4	b	o	-	-	-	-	-	-	-			
	Vestmanna ...	29.82	35	N	2	o	29.82	+0.3	26	-2	NE	1	s	o	-	-	-	-	-	-	-			
	Seydisfjord	29.73	32	NE	3	s	29.37	-0.6	36	-5	NW	2	r	o	-	-	-	-	-	-	-			
	Thorshavn ...	29.73	36	-	0	o	29.37	-0.6	36	-5	NW	2	r	o	-	-	-	-	-	-	-			
	Haparanda ...	29.55	3	-	0	b	29.51	-0.1	4	-16	N	2	b	o	-	20	0	-	-	-	-			
	Hernösand ...	29.69	14	-	0	b	29.65	0.0	8	-18	-	0	b	o	-	26	5	-	-	-	-			
	Stockholm ...	29.82	23	W	2	b	29.66	-0.4	18	-12	NW	2	o	o	Trace	30	18	-	-	-	-			
	Wisby ...	29.70	33	NW	2	b	29.64	-0.4	30	-5	SSE	2	b	o	0.04	26	28	-	-	-	-			
	Karlstad ...	29.76	22	-	0	o	29.60	-0.4	25	-6	NW	2	s	o	0.04	32	21	-	-	-	-			
	Vardö ...	29.25	27	NNE	8	s	29.16	-0.1	29	+2	N	8	s	4	?	29	23	-	-	-	-			
	Bodö ...	29.68	28	W	4	b	29.63	-0.1	18	-12	E	2	b	1	?	30	14	-	-	-	-			
	Christiansund	29.73	34	-	0	c	29.84	-0.1	33	0	-	0	o	4	0.43	34	32	-	-	-	-			
Skudesnaes ...	29.76	44	W	4	r	29.52	-0.1	40	-7	-	0	c	3	0.47	47	39	-	-	-	-				
Færder (X'ania Fjord)	29.72	36	NNE	4	o	29.58	-0.3	32	-15	NE	3	s	3	?	47	32	-	-	-	-				
The Scaw (Skagen)...	29.71	47	WNW	8	bc	29.82	-0.5	46	-1	WNW	6	o	2	-	48	45	-	-	-	-				
Blaavands Huk ...	29.98	44	W	4	o	29.71	-0.8	43	-3	W	3	r	3	0.04	46	43	-	-	-	-				
FRANCE.	Cuxhaven ...	30.08	41	W	5	o	29.82	-0.4	39	-5	WSW	5	r	2	0.08	45	37	-	-	-	-			
	Berlin ...	30.12	40	SW	3	o	29.91	-0.7	36	-3	SW	3	o	o	-	43	36	-	-	-	-			
	Frankfurt ...	30.36	30	SW	2	o	30.09	-0.6	26	-4	SW	2	m	o	-	34	25	-	-	-	-			
	Munich ...	30.40	23	NE	2	b	30.17	-0.5	18	-2	SW	1	b	o	-	30	14	-	-	-	-			
	The Helder ...	30.17	44	SW	3	o	29.91	-0.6	44	-1	WSW	4	o	2	Trace	45	41	-	-	-	-			
	Brussels ...	30.27	31	S	1	o	30.02	-0.9	30	-5	SW	1	o	o	-	35	27	-	-	-	-			
	C. Gris Nez...	30.25	35	S	2	m	30.00	-0.5	36	-4	SSE	1	m	2	Trace	43	32	-	-	-	-			
	La Hève ...	30.23	33	ESE	2	m	30.01	-	31	+3	ESE	1	m	1	-	33	28	-	-	-	-			
	Ushant...	30.17	46	SSE	3	r	29.85	-	50	+9	SE	4	f	3	0.12	50	41	-	-	-	-			
	Brest (St. Mathieu)	30.17	45	ESE	3	m	29.82	-0.7	47	+8	SE	4	o	3	0.08	47	37	-	-	-	-			
	Lorient (Bee Melen)...	?	44	E	3	c	?	-	42	+6	ESE	3	c	2	-	45	32	-	-	-	-			
	Rochefort (Ile d' Aix)	30.19	41	ESE	3	bc	29.97	-0.4	36	+1	SSE	3	c	o	-	46	35	-	-	-	-			
	Biarritz ...	30.16	50	SSE	3	b	29.92	-0.4	43	+9	ESE	1	b	o	-	59	36	-	-	-	-			
	Paris ...	30.31	23	ENE	1	f	30.06	-0.5	22	+4	-	0	o	o	-	26	18	-	-	-	-			
Belfort ...	30.39	22	-	0	f	30.15	-	18	-0	SSW	2	bc	o	-	39	14	-	-	-	-</				

BAROMETER, WIND AND WEATHER FOR 7 A.M. AND 6 P.M. 22ND DECEMBER.



NOTE.—On this chart the areas over which rain has fallen within the 24 hours from 7 a.m., are stippled.



GENERAL INFERENCE

The depression near the Faeröe will move eastward to the Norwegian coasts. The shallow disturbance off the mouth of the Channel will probably advance slowly in a north-easterly direction, and will cause rain or sleet

WEATHER PROSPECTS.

over the greater part of England. Temperature will remain below the normal.

FORECASTS FOR THE 24 HOURS NOON TUESDAY

TO NOON WEDNESDAY.

0 {
a } Westerly to North-Westerly winds, freshening;
b } fair at first, some snow or sleet showers later; remaining cold.

1 {
a } Light breezes, chiefly from the
b } Westward or North-Westward; fair at first, some rain or sleet later; remaining cold.

3 {
a } Variable breezes, finally Easterly;
b } dull, misty, some sleet or cold rain.

4 {
a } Easterly winds, light to fresh; dull,
b } misty, some sleet or cold rain.

FORECAST DISTRICTS.



STORM WARNINGS.

The Coasts upon which the Warning Signals are at present displayed are indicated thus:—

Signals hoisted yesterday.	Signals hoisted this morning.
South Cone.	South Cone.
North Cone.	North Cone.

SOUTH CONE HOISTED in Districts 0, 6 and 9 at 8.50 a.m. yesterday.

6 {
a } Same as Nos. 1 and 2.
b } Westerly to Northerly winds, light;

7 {
a } dull, misty, some sleet or cold rain.
b }

8 {
a } Easterly and North-Easterly winds,
b } freshening, dull, misty, some rain; temperature below the normal.

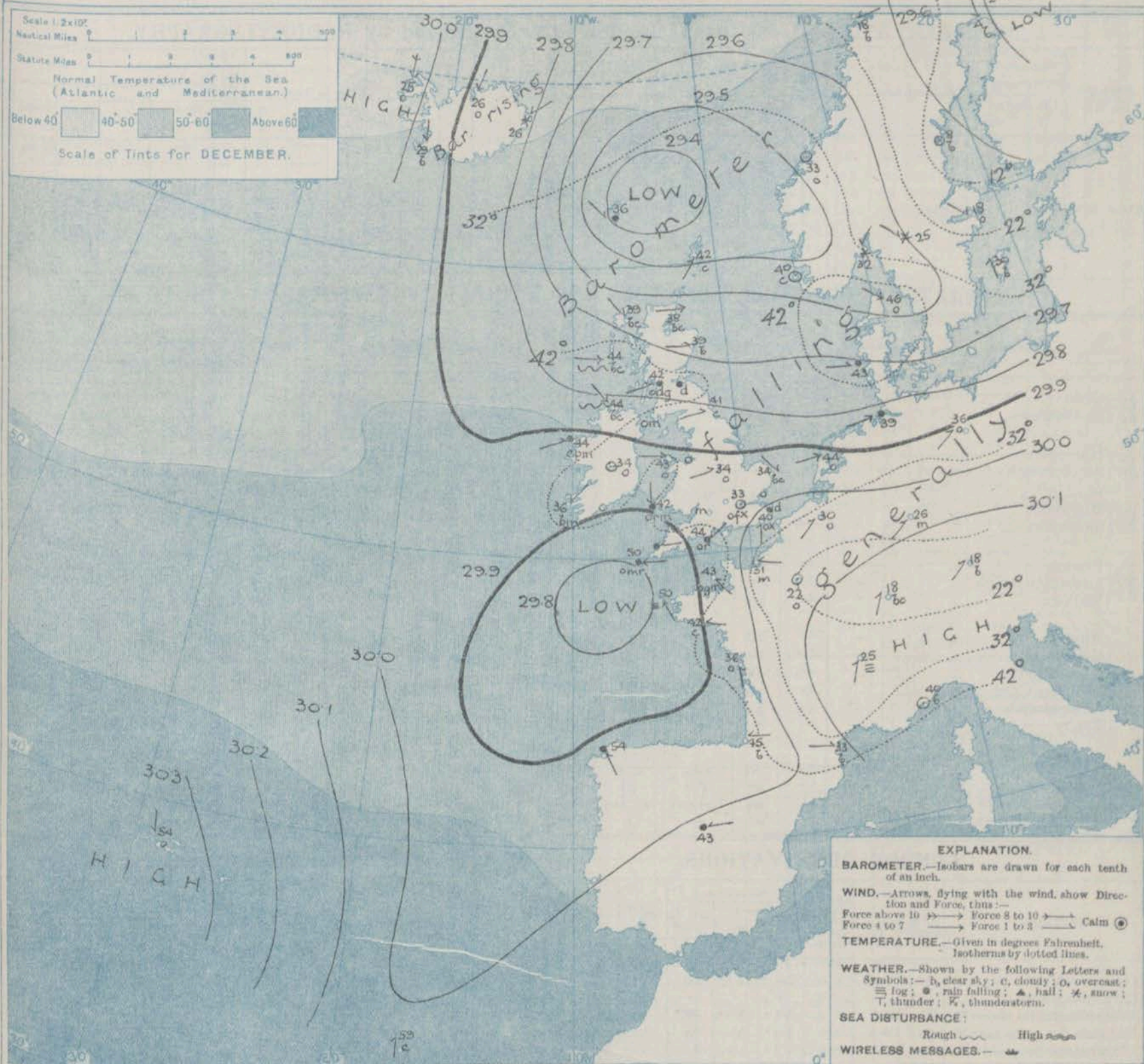
9 {
a } Same as No. 7
b }

10 {
a } Same as No. 8.
b }

11 WESTERN CHANNEL AND BAY. Moderate to fresh Easterly and South-Easterly winds, and a moderate to rather rough sea; dull, misty, some rain; normal temperature.

THE FURTHER OUTLOOK.

SYNOPTIC CHART FOR 7 A.M. TUESDAY, 23RD DECEMBER 1913.



NOTES ON THE GENERAL SITUATION AT 7 A.M.

The depression noticed yesterday morning to the Southward of Iceland is passing on towards the Norwegian coasts, its central area being at present situated near the Faerøe. Another disturbance which lay to the westward of Portugal has advanced to the mouth of the Channel. A steady fall of the barometer is in progress over Western Europe generally.

The wind is light to moderate from the Westward or North-Westward on all our more northern coasts. Round the Channel depression there is a light to moderate South-Easterly breeze in the west of France, and an Easterly to North-Easterly breeze on our own southern coasts. Temperature has fallen

in Scotland and over the northern and central parts of the Continent, changed irregularly elsewhere. Over the United Kingdom the morning readings range from 50° at Scilly, and a trifle below 45° on our extreme north-west coasts to 35° and less over the central parts of England and Ireland. The weather is fine in the north of Scotland, and also in the south of France and at many of the Swedish stations.

Elsewhere it is dull and misty, with rain in several places, and snow in Eastern Iceland and the south of Scandinavia. The sea is slight or smooth generally, but rather rough on our extreme north-west coasts.

DAILY WEATHER REPORT.

Tuesday, 23rd December, 1913.

OBSERVATIONS from the ATLANTIC OCEAN received by RADIOTELEGRAPHY.

DATE AND HOUR.	POSITION.		NAME OF SHIP.	O = Outward. H = Homeward.	BAROMETER.		WIND.		WEATHER.	DATE AND HOUR.	POSITION.		NAME OF SHIP.	O = Outward. H = Homeward.	BAROMETER.		WIND.		WEATHER.
	Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.			Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.	
22nd 6 p.m.	50	14	Finland	0	30.18	-.01	N	4-5	0	22nd 7 a.m.	49	19	Philadelphia	0	30.33	-.05	E	6-7	0
										" 7 a.m.	50	17	Virginian	0	30.38	-.05	SW	1-3	0

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

STATIONS.	Rainfall.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.	STATIONS.	Rainfall.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.
		Max.	Min.	Forenoon.	Afternoon.				Max.	Min.	Forenoon.	Afternoon.	
Scot- land.	{ Oban { St. Andrews	In. 0.07 —	F. 56 45	F. 43 37	Og "	Og ⁿ "	Hr. 0.0 0.0	{ Margate { Ramsgate { Folkestone { Hythe { Littlestone { Hastings { Bexhill-on-Sea { Eastbourne { Seaford { Brighton { Worthing { Littlehampton { Southsea { Ryde { Ventnor { Bournemouth	In. 3.9 ? — 				

LONDON OBSERVATIONS.

Additional Observations for Yesterday.

STATIONS.	HUMIDITY.		Sun- shine for Yester- day.	TEMPERATURE.			Rain- fall.	WEATHER.			STATIONS.	RAIN- FALL.	TEMPERATURE.			WEATHER.			Sun- shine for Yester- day.									
	3 p.m. Yester- day.	9 a.m. To- day.		In Screen.		Min. on Grass.		Fore- noon.	After- noon.	Night.			In Screen.	Night Min. on Grass.	Night.	Fore- noon.	After- noon.											
				Max.	Min.													Max.		Min.	Max.	Min.						
																							24 HOURS ENDED 9 A.M. TO-DAY.					
F.	F.	F.	In.																									
Greenwich (Royal Obs.) ...	81	98	0.0	39	21	20	-	0m	0m	0.0	Dublin to 4 p.m.	In.	F.	F.	F.													
City (Banhill Row) ...	*	*	0.0	*	*	*	*	*	*	*	Plymouth to 9 p.m.																	
Westminster (St. James's Pk.)	83	95	0.0	39	34	28	-	0m	0m	0.0	Darwen "																	
Camden Sq. (Brit. Rainfall)	82	96	0.0	39	33	29	-	0.0m	0.0m		Manchester "																	
Hampstead (Reservoir) ...	*	98	0.0	27	33	20	-	0.0	0.0	0.0	Birmingham "	-	37	33	31	0	0	0	0.0									
Richmond Park	*	*		VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.																								
Kew. (See front page.)				Total.		Average Rate.		Max. Rate.																				
				52 Joules.		1.9 Milliwatts.		6.5 Milliwatts.																				
S. Kensington (Roof of M.O.)	83	90	0.0																	S. Kensington (Museum Grounds to 6 p.m.)	-	39	32	24	0.0	0m	0m	

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM TO-DAY AND TO-MORROW

	23rd Dec. 1913.	24th Dec. 1913.
Yarmouth ...	G.M.T. 8.5 8.6	G.M.T. 11.52 11.53
Greenwich ...	8.6 8.7	11.52 12.0
Wick ...	9.4 9.5	12.11 12.12
Valencia ...	8.50 8.51	12.40 12.41

Over a large portion of England the thermometer yesterday failed to reach 40°, but on our western and northern coasts it exceeded 45°. Frost occurred over England at night; at Kew the thermometer on the grass fell to 22°, and at Greenwich and Hampstead to 20°. Over the greater part of the United Kingdom there was an entire absence of bright sunshine. Rain was experienced in our extreme northern and north-western districts, and thunder and hail occurred at Stornoway.

NOTE.—The information relating to weather is indicated by the following letters—b. blue sky; bc. sky half clouded; c. sky three parts clouded; d. drizzling rain; e. wet air, without rain falling; f. fog; g. gloom; h. hail; i. lightning; m. mist; o. overcast sky; p. passing showers; q. squalls; r. rain; s. snow; t. thunder; u. ugly, threatening sky; v. visibility, unusual transparency; w. dew; x. hoar frost; z. dust-haze, or smoke.

The Daily Weather Report is sent free by post to any address in the United Kingdom on payment of £1 per annum, for postage and wrappers.

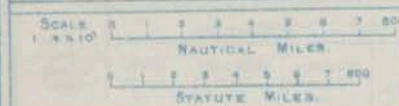
DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

Wednesday,
24th December, 1913.

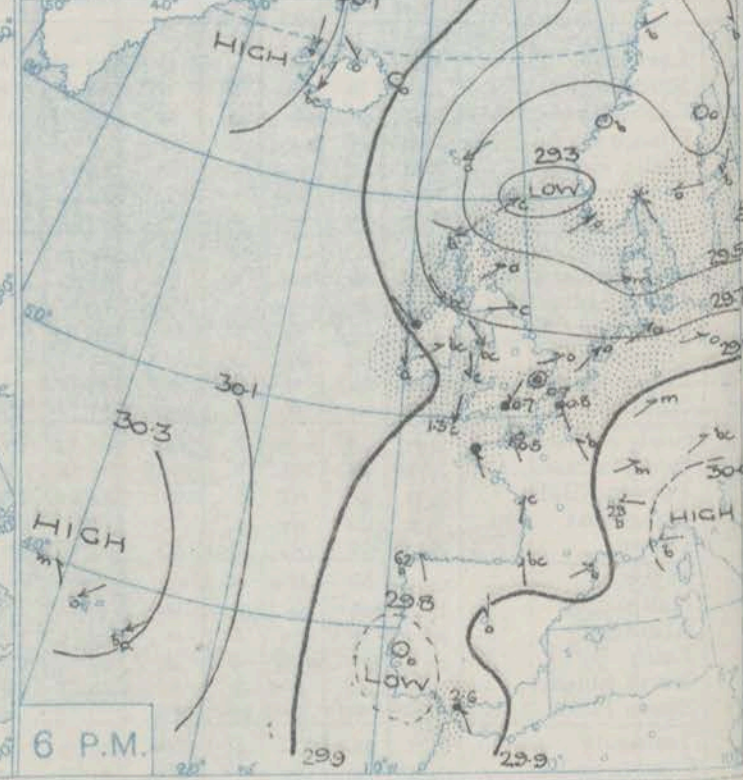
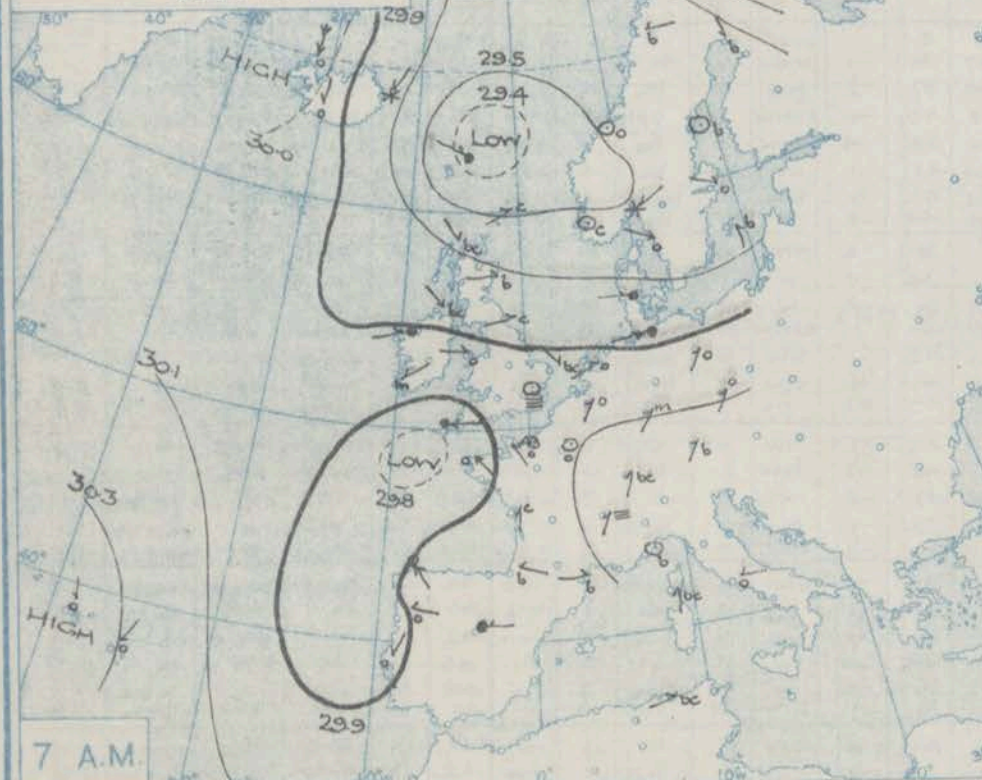
STATIONS.		YESTERDAY EVENING.					THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.					Sun- shining for Yester- day.
		BAROM.		WIND.		Weather	BAROMETER.		TEMP.		WIND.		Weather.	Sea (0 to 9).	Rain fall.	TEMP.		WEATHER.				
		At 32° F. and M.S.L. Lat. 45°	Dry Bulb.	Dir.	Force (0 to 12).		At 32° F. and M.S.L. Lat. 45°	Change since 4 a.m.	Dry Bulb.	Change since Yester- day.	Dir.	Force (0 to 12).				Max.	Min.	Morning, 7 a.m. to 1 p.m.	Afternoon 1 p.m. to 6 p.m.	Night, 6 p.m. to 7 a.m.		
BRITISH ISLANDS.																						
Lerwick ...	29.24	41	SW	4	c	29.28	+0.07	35	-7	NNW	4	bc	3	0.19	43	34	cph	cph	cph	Hours.		
Stornoway ...	29.56	39	WNW	5	b	29.78	+0.09	37	-2	NW	5	bc	4	0.12	44	36	bcph	bcph	bcph	0.1		
Castlebay (Barra Isd.)	29.63	41	WNW	4	cp	29.84	+0.10	40	-4	NNW	2	cph	3	0.14	45	38	bcop	bcop	bcop	0.0		
Glasgow ...	29.64	37	WSW	2	b	29.70	+0.10	38	-4	NNW	1	bc	*	0.04	42	33	bcop	bcop	bcop	0.9		
Malin Head...	29.69	43	NW	6	bc	29.78	+0.09	43	-1	NW	6	bc	5	0.22	45	38	bcop	bcop	bcop	*		
Blackrod Point ...	29.89	42	NW	3	cgp	29.95	+0.05	43	-1	NW	5	cgp	4	0.23	44	36	bcop	bcop	bcop	*		
Valencia ...	29.95	44	N	3	b	30.03	+0.05	44	+8	N	5	b	4	0.03	48	34	om.b	om.b	om.b	1.8		
Roches Point ...	29.91	42	NNW	3	b	29.99	*	38	-2	NNW	3	b	3	0.02	45	38	oc	oc	oc	*		
Birr Castle ...	29.86	36	SW	1	bc	29.92	*	34	0	W	1	bc	*	-	43	31	c	c	c	2.3		
Donaghadee ...	29.74	39	WNW	2	bcn	29.70	*	36	-4	W	4	bc	3	-	44	34	bcn	bcn	bcn	*		
Liverpool Obsy. ...	29.74	42	W	4	o	29.72	+0.01	40	0	WNW	5	c	4	0.01	44	39	om	om	om	0.0		
Holyhead ...	29.81	45	NW	4	bcg	29.80	+0.03	42	-1	NW	6	bcg	6	-	45	41	opdm	opdm	opdm	0.0		
Pembroke (St. Ann's Hd.)	29.80	43	N	3	c	29.85	+0.00	41	-1	NW	5	bcg	4	0.12	45	41	omr	omr	omr	0.0		
Newquay ...	29.77	40	NE	2	ogrm	29.88	+0.02	44	+2	NW	7	bcg	5	0.91	45	39	ogrm	ogrm	ogrm	0.0		
Scilly (St. Mary's) ...	29.77	45	NNE	5	cq	29.92	+0.03	43	-7	NW	6	cgp	6	1.26	52	41	omgr	omgr	omgr	0.0		
Jersey (St. Aubin) ...	29.75	45	SSE	3	ome	29.82	*	45	+2	NW	3	c	0	0.52	46	42	ome	ome	ome	0.0		
Portland Bill ...	29.73	40	NE	3	or	29.80	+0.03	42	-2	NW	3	b	2	0.65	44	37	or	or	or	*		
Dungeness ...	29.79	40	NE	1	r	29.71	+0.01	33	-7	NW	2	bcx	1	0.70	43	32	og	og	omr.bx	*		
Dover ...	29.77	38	-	0	or	29.68	*	36	-3	NW	4	b	3	0.35	42	33	o	or	od.c.b	0.0		
Wick ...	29.45	36	WSW	4	bc	29.62	+0.13	37	-1	NW	6	cqps	5	0.20	40	33	bcgp	bcgp	bcgp	*		
Nairn ...	29.55	38	W	2	bcu	29.72	*	38	-2	W	2	cu	2	0.12	41	33	bc	bc	bc	1.2		
Aberdeen ...	29.54	39	SW	2	o	29.60	+0.06	38	-1	NW	5	b	2	0.04	42	35	bc	bc	bc	3.0		
Leith ...	29.61	39	WSW	3	b	29.65	+0.08	39	-4	W	2	o	*	-	44	36	bc	bc	bc	*		
North Shields ...	29.63	41	W	3	c	29.57	+0.02	36	-5	W	4	bc	2	-	44	34	o.c	c	c	?		
Spurn Head ...	29.68	40	SW	4	m	29.59	+0.00	38	+1	WNW	5	bm	4	-	42	36	om	om	bm	0.4		
Yarmouth ...	29.75	38	SW	2	om	29.62	+0.01	34	0	SW	1	b	1	0.01	39	32	om	om	om	0.0		
Clacton-on-Sea ...	29.77	40	W	1	ogm	29.67	+0.00	34	-2	WNW	2	bcx	1	0.14	42	33	ogbm	ogbm	ogbm	0.5		
Nottingham ...	29.74	38	SW	2	o	29.70	*	34	0	SW	2	b	*	-	39	32	om	om	om	0.0		
Bath ...	29.80	37	SE	1	r	29.81	*	31	-1	NW	1	b	*	0.22	39	30	gmr	gmr	gmr	0.0		
London (Kew Obsy.)...	29.78	39	-	0	ofr	29.74	+0.02	33	0	WNW	1	bcx	*	0.34	39	32	ofr	ofr	ofr	0.0		
ICELAND, FAEROE, &c.																						
Spitzbergen ...	29.83	0	NNE	1	bc	29.86	+0.04	-16	-8	SE	1	b	*	*	3	-20	*	*	*	*		
Isafjord ...	30.13	23	N	5	o	29.94	-0.07	15	-10	NW	2	b	*	*	*	*	*	*	*	*		
Reykjavik ...	30.04	26	NNE	5	bc	29.86	-0.16	21	-8	ESE	2	bc	*	*	*	*	*	*	*	*		
Vestmanna ...	29.93	27	N	2	b	29.88	-0.04	23	-8	NW	1	b	2	*	*	*	*	*	*	*		
Seydisfjord ...	29.91	26	-	0	o	29.98	-0.01	18	-8	-	0	b	*	*	*	*	*	*	*	*		
Thorshavn ...	29.52	34	NE	4	o	29.74	+0.05	31	-5	NNW	4	c	*	*	*	*	*	*	*	*		
SCANDINAVIA.																						
Haparanda ...	29.46	5	N	2	b	29.54	+0.02	3	-1	E	4	b	*	-	10	-8	*	*	*	*		
Hernösand ...	29.57	13	-	0	o	29.55	+0.00	17	+9	-	0	S	*	0.08	21	7	*	*	*	*		
Stockholm ...	29.49	23	NNE	2	b	29.39	?	28	+10	E	2	o	*	Trace	28	18	*	*	*	*		
Wisby ...	29.42	33	E	2	c	29.32	-0.04	33	+3	E	2	S	*	0.20	34	28	*	*	*	*		
Karlstad ...	29.07	23	E	2	o	29.29	-0.04	27	+2	-	0	S	*	0.16	27	21	*	*	*	*		
Vardö ...	29.28	27	-	0	S	29.42	+0.04	23	-6	-	0	o	3	-	30	23	*	*	*	*		
Bodö ...	29.60	13	E	2	b	29.57	+0.00	12	-6	E	4	b	2	-	18	10	*	*	*	*		
Christiansund ...	29.40	30	-	0	b	29.40	+0.03	27	-6	ENE	2	b	3	-	33	25	*	*	*	*		
Skudesnaes ...	29.32	42	WSW	6	o	29.16	-0.02	39	-1	NW	6	c	4	0.28	43	37	*	*	*	*		
Færder (X'iania Fjord)	29.41	33	SE	2	S	29.25	-0.01	33	+1	NNE	2	o	2	0.04	34	30	*	*	*	*		
The Scaw (Skagen)...	29.39	42	SW	1	bc	29.26	-0.01	39	-7	WSW	3	o	0	0.24	46	37	*	*	*	*		
Blaavands Huk ...	29.49	44	W	4	m	29.37	-0.02	40	-3	WNW	3	b	2	0.12	45	39	*	*	*	*		
GERMANY, &c.																						
Cuxhaven ...	29.65	38	SW	5	o	29.46	-0.03	39	0	W	5	rg	2	0.08	41	37	*	*	*	*		
Berlin ...	29.78	37	W	1	o	29.56	-0.08	33	-3	SW	2	o	*	0.08	41	31	*	*	*	*		
Frankfurt ...	29.91	32	SW	1	m	29.71	-0.02	29	+3	NW	1	m	*	-	32	25	*	*	*	*		
Munich ...	29.98	28	SW	2	bc	29.82	-0.04	27	+9	SW	4	b	*	-	32	18	*	*	*	*		
The Helder ...	29.72	44	SW	4	o	29.55	-0.01	42	-2	W	4	p	2	0.04	45	42	*	*	*	*		
Brussels ...	29.80	33	WSW	1	S	29.66	+0.00	32	+2	SW	1	S	*	0.32	36	29	*	*	*	*		
FRANCE																						
C. Gris Nez...	29.80	40	SSE	2	r	29.69	+0.00	40	+4	NW	5	b	3	0.75	41	34	*	*	*	*		
La Hève ...	29.76	37	SE	2	m	29.74	*	42	+11	WNW	4	o	4	0.24	43	31	*	*	*	*		
Ushant...	29.69	37	NW	5	r	29.89	*	45	-2	N	6	c	4	0.28	50	37	*	*	*	*		
Brest (St. Mathieu)...	29.71	37	SSE	4	r	29.92	+0.07	46	-1	N	5	c	4	0.08	54	45	*	*	*	*		
Lorient (Bec Melen)...	29.71	48	SE	3	o	29.92	+0.07	43	+1	N	4	bc	4	-	50	41	*	*	*	*		
Rochefort (Ile d'Aix)	29.78	44	SSW	3	c	29.71	-0.01	44	+8	SSW	3	o	2	-	46	36	*	*	*	*		
Biarritz ...	29.87	55	S	3	bc	29.75	+0.00	55	+10	S	3	o	2	-	61	45	*	*	*	*		
Paris ...	29.84	29	SSE	1	b	29.72	+0.01	33	+11	-	0	o	*	Trace	33	22	*	*	*	*		
Belfort ...	29.99	33	WSW	3	m	29.84	*	33	+15	SW	3	c	*	-	40	18	*	*	*	*		
Lyons ...	29.99	28	ESE	1	b	29.88	*	36	+11	SSW	1	b	*	-	35	25	*	*	*	*		
Nice ...	30.02	41	E	1	b	29.88	-0.02	41	+1	-</												

* Information for these columns not usually received.

BAROMETER, WIND AND WEATHER FOR 7 A.M. AND 6 P.M. 23RD DEC. R



NOTE.—On this chart the areas over which rain has fallen within the 24 hours from 7 a.m., are stippled.



GENERAL INFERENCE

The Atlantic high pressure system will spread temporarily eastward, and will occasion a brief spell of fair, dry weather over the major part of this country. A new depression which is approaching Iceland will, however, extend

WEATHER PROSPECTS.

southwards, and occasion some snow later in all our more northern districts. Temperature will continue below the normal.

FORECASTS FOR THE 24 HOURS NOON WEDNESDAY TO NOON THURSDAY.

0 {
a Moderate to fresh winds from North-West,
b backing to West or South-West; fair to-day, some
snow showers tomorrow; remaining cold.

1 {
2 {
a Moderate or fresh North-Westerly
b winds; mostly fair, but some snow or sleet
3 {
4 {
a showers locally; remaining cold, sharp
b frost tonight.
5 {

FORECAST DISTRICTS.



STORM WARNINGS.

The Coasts upon which the Warning Signals are at present displayed are indicated thus:—

Signals hoisted yesterday.	Signals hoisted this morning.
South Cone.	South Cone.
North Cone.	North Cone.

NO WARNINGS
ISSUED.

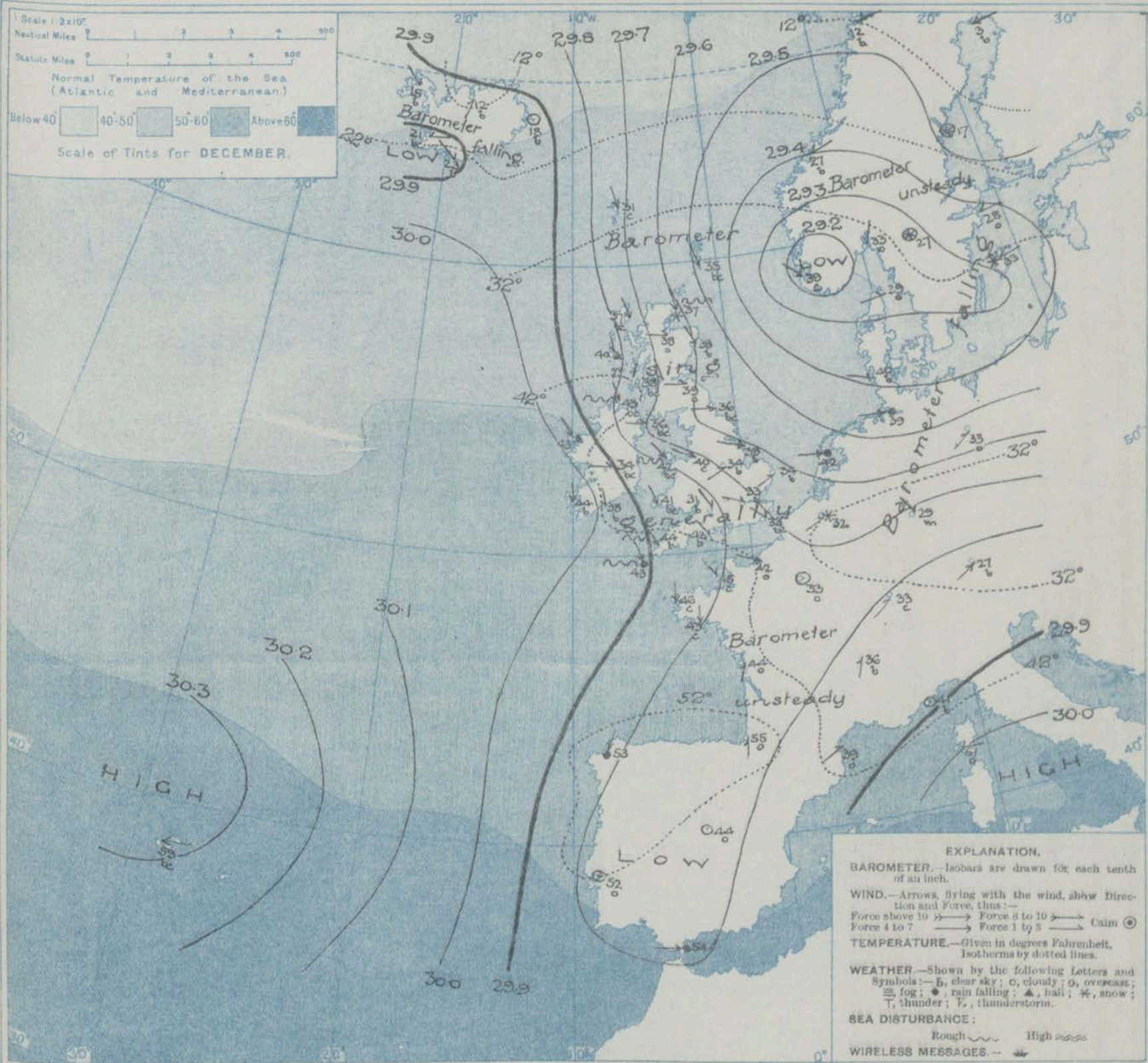
6 {
7 {
8 {
9 {
10 {
a North-Westerly winds, fresh or strong
b at first, but moderating later; mostly fair,
c but sleet or hail showers locally.
d Remaining cold, sharp frost tonight.

11 WESTERN CHANNEL AND BAY.
Moderate or fresh Northerly winds and a rather rough sea; some local showers otherwise fair; cold.

THE FURTHER OUTLOOK. (All Districts)

Continuing cold; rather changeable, with snow showers in places.

SYNOPTIC CHART FOR 7 A.M. ~~WEDNESDAY 24th~~ DECEMBER 1913.



NOTES ON THE GENERAL SITUATION AT 7 A.M.

The depression which lay near the Faeroe yesterday is now moving eastward across the south of Norway. The shallow depression which appeared over the mouth of the Channel is passing away, apparently in a Southerly direction. A new and rather decided fall of the barometer is reported in Iceland.

The wind has shifted to the North-Westward over the whole of the United Kingdom and the neighbouring portions of the Continent, and blows strongly on the more exposed parts of our western and northern coasts. Over southern France it is light from the Southward or South-Westward. Temperature has risen in France and South Germany, and also in Sweden, but changed rather irregularly elsewhere. Over the United Kingdom the

morning readings range from a trifle below 45° on our extreme west and southwest coasts to 32° or less in inland parts of Southern England. Sharp frost prevails over Northern Scandinavia and in Iceland. The weather is at present fair over the greater part of the United Kingdom, but snow and hail showers are falling on our extreme north and north west coasts. Rain is reported in Holland and North Germany, and snow at Brussels, as well as at many of the Swedish stations. The sea is rough on the more exposed parts of our western and northern coasts.

DAILY WEATHER REPORT.

Wednesday, 24th December 1913.

OBSERVATIONS from the ATLANTIC OCEAN received by RADIOTELEGRAPHY.

DATE AND HOUR.	POSITION.		NAME OF SHIP.	O- H Outward. H-Homeward.	BAROMETER.		WIND.		WEA- THER.	DATE AND HOUR.	POSITION.		NAME OF SHIP.	O- H Outward. H-Homeward.	BAROMETER.		WIND.		WEA- THER.
	Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.			Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.	
					In.	In.		(0-12).							In.	In.		(0-12).	

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.	STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.
			Max.	Min.	Forenoon.	Afternoon.					Max.	Min.	Forenoon.	Afternoon.	
Scot- land.	Oban	0.26	47	39	b.c.f.c	qu.op.	0.7	Margate	0.12	42	34	or	or	0.0	
	St. Andrews				"	"			Ramsgate	—	?	?	"	"	0.0
Eng. N.E.	Harrogate	—	41	35	o	o.c.b.	0.0	Folkestone	0.18	42	38	omr	omr	0.0	
	Scarborough	"	43	37	o.c	o.c	0.0		Hythe				"	"	0.0
Eng. N.W.	Morecambe	0.01	45	42	c	c.b.d.c	0.0	Littlestone				"	"	0.0	
	Blackpool							Hastings	0.25	43	38	o	or	0.0	
	Southport	0.01	44	39	o	o.p.c.b.	0.0	Bexhill-on-Sea	0.26	43	39	b	or	0.0	
Mid- lands.	Buxton	—	38	33	o.c	a	0.0	Eastbourne	0.28	44	37	og	our	0.0	
	Leamington Spa	0.01	38	32	o	or.o	0.0	Seaford							
	Malvern	0.06	41	37	f	c	0.0	Brighton	0.35	42	38	omr	or	0.0	
								Worthing	0.38	43	38	od	r	0.0	
								Littlehampton	0.53			"	"	0.0	
								Southsea	0.48	42	37	or	or	0.0	
Wales.	Rhyl	0.02	44	36	o.	o.c.o	0.0	Ryde	0.50	44	40	or	or	0.0	
	Colwyn Bay	—	45	36	o	o.p.o	0.0	Ventnor	0.52	46	39	"	"	0.0	
	Llandudno	0.03	44	40	o	o	0.0	Bournemouth	0.30	41	36	or	or	0.0	
	Bettws-y-Coed														
	Aberystwyth	0.03	44	38	o.c.o	o.or	0.0	Weymouth	0.46	41	36	m.or	or	0.0	
England, E.	Tenby	0.14	44	40	r	o	0.0	Exmouth	0.60	40	33	or	or	0.0	
								Teignmouth	1.00	42	38	or	or	0.0	
								Torquay	0.80	43	39	no	or	0.0	
								Paignton	1.02	44	38	or	or	0.0	
								Falmouth	2.06	49	39	rm	r	0.0	
								Bude	0.90	44	39	or	or	0.0	
								Ilfracombe	0.44	44	39	r	or	0.0	
							Weston-super-Mare	0.25	39	31	mr	rdg	0.0		

LONDON OBSERVATIONS.

Additional Observations for Yesterday.

STATIONS.	HUMIDITY.		Sun- shine for Yester- day.	TEMPERATURE.				Rain- fall.	WEATHER.			STATIONS.	RAIN- FALL.	TEMPERATURE.			WEATHER.			Sun- shine for Yester- day.		
	3 p.m. Yester- day.	9 a.m. To- day.		In Screen.		Min. on Grass.	Fore- noon.		After- noon.	Night.	In Screen.			Night Min. on Grass.	Night.	Fore- noon.	After- noon.					
				Max.	Min.													Max.	Min.			
																					24 HOURS ENDED 9 A.M. TO DAY.	
Greenwich (Royal Obs.)...	97	93	0.0	41	32	22	0.32	of	or	or	bc	Dublin to 4 p.m.	In.	F.*	F.*	F.*				Fr.*		
City (Banhill Row) ...	*	*	0.0	*	*	*	*	*	*	*	*	Plymouth to 9 p.m.										
Westminster (St. James's Pk.)	92	95		41	30	26	0.34	or	or	or	bc	Darwen										
Camden Sq. (Brit. Rainfall)	94	100	0.0	41	30	28	0.27	f.ogm	cdm	*	*	Manchester					*					
Hampstead (Reservoir) ...	*	90	0.0	39	31	17	0.26	or	or	bc	bc	Birmingham					*			*		
Richmond Park ...	*	*		VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.																	*	
Kew. (See front page.)				Total.		Average Rate.		Max. Rate.														
				50 Joules.		1.8 Milliwatts.		3.0 Milliwatts.														
S. Kensington (Roof of M.O.)	94	95	0.0									S. Kensington										*
												(Museum Grounds to 6 p.m.)	0.18	41	35	27	om	om	om	*	*	

NOTES ON YESTERDAY'S WEATHER.

Over the greater part of the United Kingdom the thermometer yesterday remained below 45°, and over Eastern and Central England it did not reach 40°. A fair amount of bright sunshine was reported in Ireland and Scotland; elsewhere there was little or none. Heavy rain was experienced in the south and south-west of England (as much as 1.3 in. at Scilly), and hail showers occurred in Ireland and Scotland.

NOTE.—The information relating to weather is indicated by the following letters—b. blue sky; bc. sky half clouded; c. sky three parts clouded; d. drizzling rain; e. wet air, without rain falling; f. fog; g. gloom; h. hail; l. lightning; m. mist; o. overcast sky; p. passing showers; q. squalls; r. rain; s. snow; t. thunder; u. ugly, threatening sky; v. visibility, unusual transparency; w. dew; x. hoar frost; z. dust-haze, or smoke.

The Daily Weather Report is sent free by post to any address in the United Kingdom on payment of £1 per annum, for postage and wrappers.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

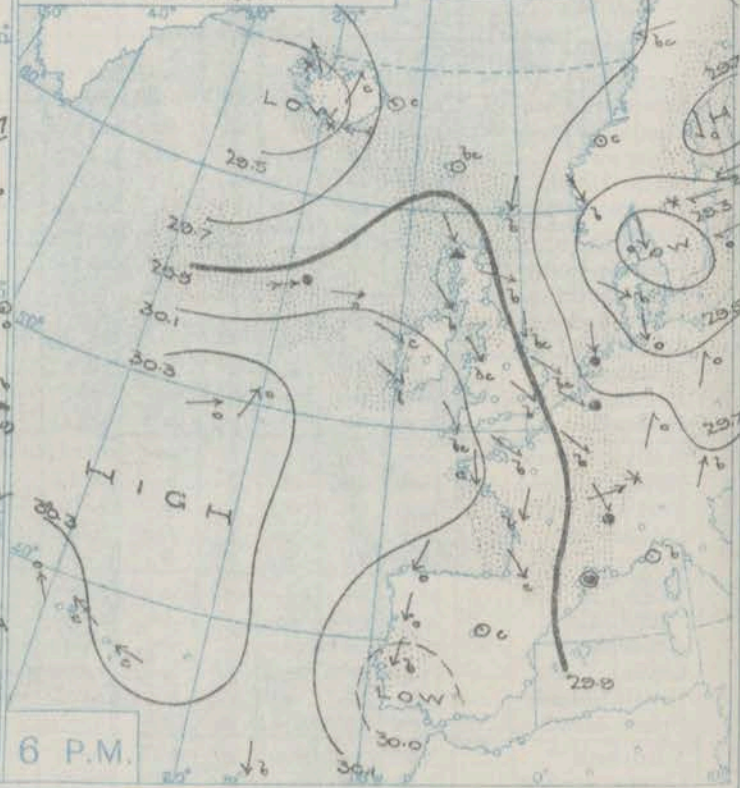
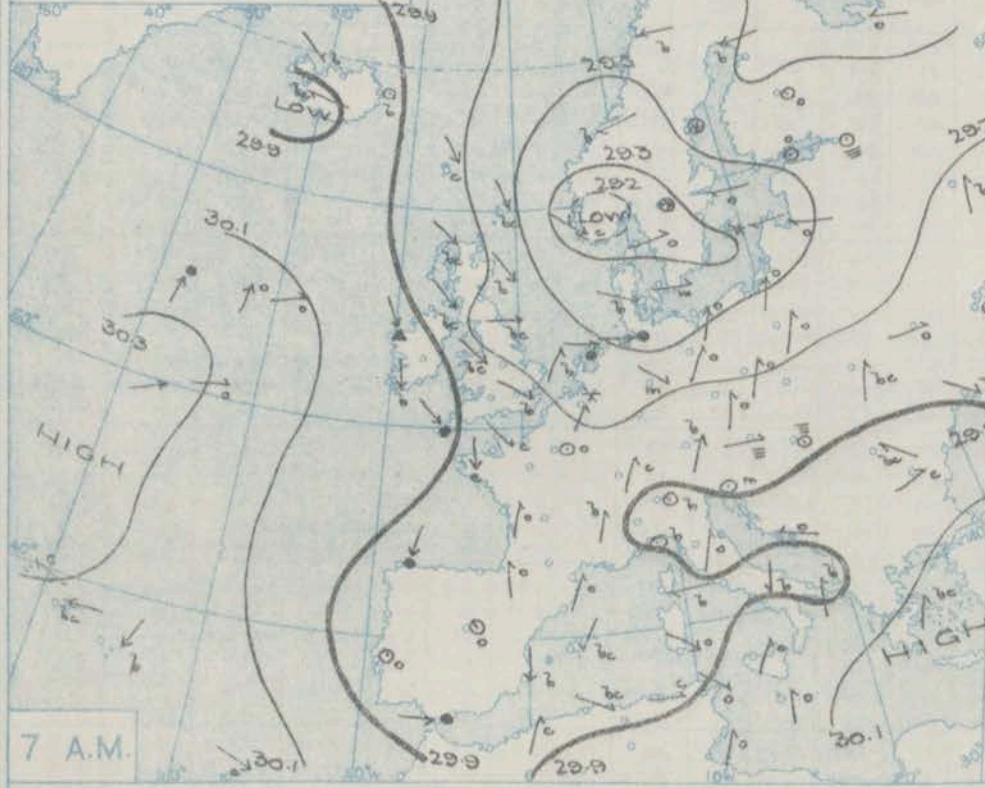
Thursday,
25th December, 1913.

STATIONS.		YESTERDAY EVENING.					THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.							Sun shine for yester- day	
		BAROM.		TEMP.		WIND.	Force (0 to 12).	Weather	BAROMETER.		TEMP.		WIND.	Force (0 to 12).	Weather.	Sea (0 to 9).	Rain fall.	TEMP.		WEATHER.					
		At 32° F. and M.S.L. Lat. 45°	Dry Bulb.	Dir.	Force (0 to 12).				At 32° F. and M.S.L. Lat. 45°	Change since 4 a.m.	Dry Bulb.	Change since Yester- day.						Dir.	Force (0 to 12).	Weather.	Max.	Min.	Morning, 7 a.m. to 1 p.m.		Afternoon, 1 p.m. to 6 p.m.	Night, 6 p.m. to 7 a.m.
BRITISH ISLANDS.																									
	Lerwick ...	In.	F.				In.	In.	F.								In.	F.	F.						Hours
	Stornoway ...	29.75	36	NNE	4	b	29.84	-0.03	31	-4	-	0	b	0	0.07	37	29	begs	bcp	b	bcp				
	Castlebay (Barra Isd.)	29.97	34	NNW	4	bcp	29.72	-0.11	45	+8	NW	4	bd	3	0.22	45	32	bcp	bcp	bcp	bcp				2.9
	Glasgow ...	29.98	39	-	0	op	29.78	-0.04	48	+8	W	4	op	4	0.14	48	38	hlp. bc	h. bc	op	op				1.6
	Malin Head...	29.99	35	W	1	b	29.93	-0.07	39	+1	SSW	3	odg	*	0.06	39	32	bcb	b	b	bcp				5.1
	Blacksod Point	30.01	41	NNW	4	bc	29.87	-0.02	46	+3	W	5	o	5	0.24	47	39	bcm	bcp	bcp	bcp				*
	Valencia ...	30.14	44	NW	2	cq	29.04	-0.02	48	+5	WSW	5	cq	4	0.09	48	40	cqph.c	cp	bc	cqmp				*
	Roche's Point	30.21	44	NNW	3	b	30.21	-0.02	47	+3	WSW	4	c	4	0.03	49	42	bc	bc	bc	bc				3.8
	Birr Castle ...	30.18	41	NNW	3	b	30.24	*	44	+6	WSW	2	b	2	0.02	45	37	b	b	b	b				*
	Donaghadee ...	30.14	37	W	1	bc	30.13	*	43	+9	SW	2	o	*	-	43	31	b	bc	bc	bc				5.6
	Liverpool Obsy.	30.02	36	N	3	b	30.03	-0.03	40	+4	WSW	2	o	2	Trace	44	35	b	b	b	b				*
	Holyhead ...	30.01	41	NW	4	b	30.10	-0.01	40	0	WSW	3	o	3	0.03	43	39	bcp	b	b	b				3.8
	Pembroke (St. Ann's Hd.)	30.05	45	NNW	5	bcp	30.11	-0.03	46	+4	WSW	2	cem	3	Trace	47	41	cpcb	bcp	bcp	bcp				2.8
	Newquay ...	30.10	43	NW	4	bc	30.21	-0.02	47	+6	W	5	cq	4	Trace	47	41	bcp	cq	cq	bcp				0.7
	Scilly (St. Mary's)	30.10	46	NW	6	b	30.28	+0.02	46	+2	W	3	bc	3	-	46	43	bcp	bcv	bcv	bcv				1.0
	Jersey (St. Aubin)	30.13	45	NNW	5	bc	30.31	+0.01	46	+3	WNW	3	bc	5	-	48	42	bc	bc	bc	bc				3.3
	Portland Bill ...	30.02	44	NW	3	b	30.32	*	38	-7	NW	2	b	2	-	48	36	bc	b	b	b				5.7
	Dungeness ...	30.05	44	NNW	4	b	30.27	+0.02	44	+2	WNW	3	b	3	-	44	40	b	b	b	b				*
	Dover ...	29.91	38	NW	3	bm	30.21	+0.02	29	-4	NW	2	bm	2	-	40	28	bm	bm	bm	bm				*
	Wick ...	29.91	37	N	5	b	30.21	*	31	-5	NW	3	bc	2	-	42	30	b	b	b	b				5.9
	Nairn ...	29.86	34	NW	4	c	29.81	-0.09	38	+1	S	4	o	4	0.05	39	27	cqphs	bcp	bcp	bcp				*
	Aberdeen ...	29.94	31	W	1	bc	29.83	*	33	-5	-	0	nsp	1	0.11	38	29	bcp	bcp	bcp	bcp				0.3
	Leith ...	29.86	33	WNW	6	bq	29.91	-0.05	32	-6	WSW	1	oz	2	0.05	38	27	spq	b	osp	bq				2.8
	North Shields	29.95	37	NW	2	b	29.94	-0.06	41	+2	S	2	o	*	-	42	33	bcb	b	b	b				*
	Spurn Head ...	29.88	36	N	3	bc	30.03	-0.02	33	-3	W	2	oc	2	0.04	41	31	cr. bc	bc	bc	c.o				3.6
	Yarmouth ...	29.84	38	WNW	6	bc	30.07	+0.01	35	-3	W	4	bcm	4	-	40	33	cq	bcp	bcp	bcp				1.3
	Clacton-on-Sea	29.80	39	NW	2	bc	30.13	+0.03	30	-4	SW	2	bc	1	0.06	39	29	bm	cm	or	bc				3.3
	Nottingham...	29.87	38	WNW	3	b	30.17	+0.05	30	-4	WNW	2	bcp	1	-	40	30	bcp	bcp	bcp	bcp				5.4
	Bath ...	29.97	27	W	3	b	30.15	*	32	-2	W	1	c	*	-	41	28	bcp	bm	bm	b				?
	London (Kew Obsy.)	30.04	39	NW	2	b	30.25	*	29	-2	SSW	2	b	*	-	43	28	m.b. bc	obcm	obcm	bm				4.6
	Spitzbergen ...	29.98	37	NW	1	bx	30.23	+0.04	30	-3	NW	2	bx	*	0.01	41	28	bxm	bx	bx	bx				4.9
	Isafjord...	29.50	25	SE	4	s	29.10	-0.07	26	+11	-	0	c	*	*	*	*	*	*	*	*				
	Reykjavik ...	29.44	30	E	1	r	29.03	-0.08	27	+6	SSW	3	s	*	*	*	*	*	*	*	*				
	Vestmanna ...	29.46	31	E	9	s	29.03	-0.06	26	+3	-	0	b	1	*	*	*	*	*	*	*				
	Seydisfjord ...	29.82	26	-	0	c	29.07	-0.18	33	+15	-	0	c	*	*	*	*	*	*	*	*				
	Thorshavn ...	29.85	24	-	0	bc	29.51	-0.17	39	+8	SSE	8	r	*	*	*	*	*	*	*	*				
	Haparanda ...	29.68	-6	N	2	b	29.70	+0.02	5	+2	N	2	3	*	Trace	5	-8								
	Hernösand ...	29.73	15	N	2	o	29.89	+0.04	-1	-18	M	2	b	*	0.43	18	-2								
	Stockholm ...	29.46	30	E	4	c	29.68	+0.10	30	+2	FNE	6	o	*	-	32	27								
	Wisby ...	29.34	33	E	2	o	29.54	+0.08	30	-3	NE	4	o	*	0.08	34	30								
	Karlstad ...	29.32	30	E	2	s	29.67	+0.14	26	-1	NNE	6	o	*	0.16	32	25								
	Vardö ...	29.60	22	NE	6	o	29.73	0.00	32	+9	E	4	o	3	-	32	21								
	Bodö ...	29.72	15	E	2	bc	29.84	+0.02	21	+9	E	2	s	2	?	21	12								
	Christiansund	29.63	23	-	0	c	29.87	+0.04	23	-4	-	0	b	3	-	27	21								
	Skudenes ...	29.49	33	NNW	8	b	29.81	+0.04	28	-11	N	4	b	2	?	39	27								
	Færder (X'ania Fjord)	29.27	29	NNW	7	s	29.58	+0.13	30	-3	M	7	s	3	?	33	28								
	The Scaw (Skagen)...	29.22	38	N	5	o	29.45	+0.09	37	-2	NE	6	s	2	-	39	30								
	Blaavands Huk ...	29.45	41	NW	6	b	29.69	+0.07	29	-1	NW	9	b	5	0.04	43	36								
	Cuxhaven ...	29.49	38	N	4	o	29.78	+0.06	37	-2	WNW	6	orh	3	0.20	41	34								
	Berlin ...	29.53	25	SW	3	o	29.71	+0.06	35	+2	SW	5	b	*	0.16	37	34								
	Frankfurt ...	29.73	34	SW	1	o	30.06	+0.10	36	+7	WNW	1	o	*	-	37	28								
	Munich ...	29.70	36	SW	4	b	30.08	+0.06	31	+4	W	6	s	*	0.08	39	27								
	The Helder ...	29.66	39	N	4	r	30.02	+0.08	41	-1	NW	3	c	3	0.28	45	37								
	Brussels ...	29.85	35	NW	1	r	30.15	+0.08	32	0	WNW	1	b	*	0.16	37	31								
	C. Gris Nez...	29.87	41	NNW	6	b	30.21	+0.06	38	-2	WNW	5	b	5	-	43	37								
	La Hève ...	29.97	43	NNW	4	bc	30.27	*	43	+1	NNW	3	c	4	-	45	39								
	Ushant...	30.19	48	N	5	b	30.32	*	49	+1	NW	3	bc	3	0.08	50	45								
	Brest (St. Mathieu) ...	30.13	46	N	5	c	30.38	+0.04	44	-2	SE	2	bc	3	-	52	43	</							

BAROMETER, WIND AND WEATHER FOR 7 A.M. AND 6 P.M. 24TH DECEMBER.



NOTE.—On this chart the areas over which rain has fallen within the 24 hours from 7 a.m., are stippled.



GENERAL INFERENCE

WEATHER PROSPECTS.

FORECASTS FOR THE 24 HOURS NOON THURSDAY TO NOON FRIDAY.

- 0 {^a
^b
- 1
- 2 {^a
^b
- 3
- 4 {^a
^b
- 5

None issued



STORM WARNINGS.
The Coasts upon which the Warning Signals are at present displayed are indicated thus:—

Signals hoisted yesterday.	Signals hoisted this morning.
South Cone.	South Cone.
North Cone.	North Cone.

South Cone hoisted at 9.25 this morning in Districts 0 and 1.

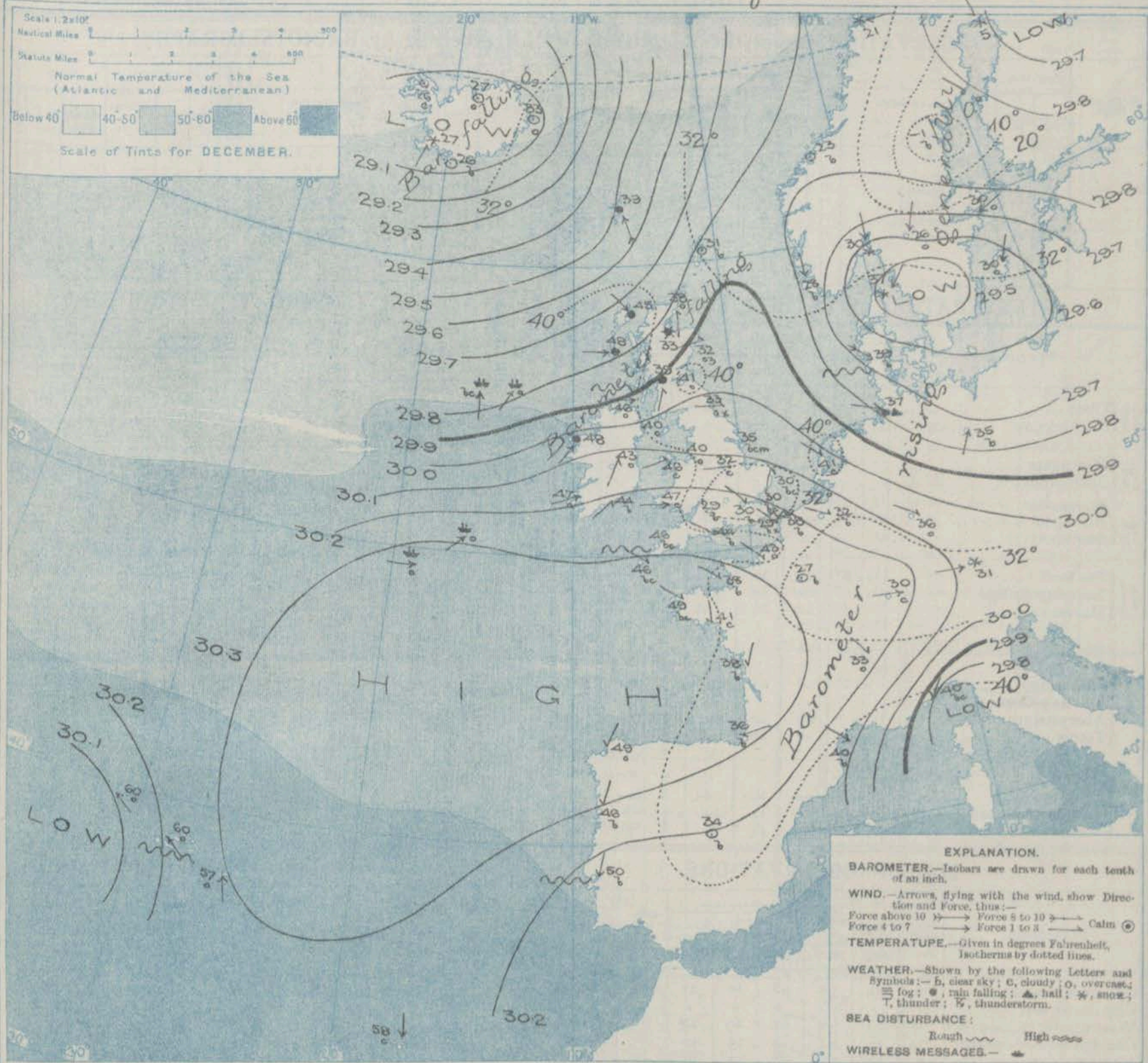
- 6 {^a
^b
- 7 {^a
^b
- 8 {^a
^b
- 9 {^a
^b
- 10 {^a
^b

None issued

11 WESTERN CHANNEL AND BAY.

THE FURTHER OUTLOOK.

SYNOPTIC CHART FOR 7 A.M. Thursday, 25th DECEMBER 1913.



NOTES ON THE GENERAL SITUATION AT 7 A.M.

The barometer ranges from above 30.3 in. in a large anticyclone extending from the Azores to central France, to below 29.5 in. in a depression over the south of Sweden, and to below 29.1 in. in a larger disturbance centred over Iceland.

The wind is light from the North-Westward in the south-east of England, but between West and South over the Kingdom generally, light or moderate at most stations, but fresh locally in the west and north-west. At Thorshaven, where there is a secondary depression, a high wind from S.E. prevails, while over Iceland calms are reported. In the immediate neighbourhood of the

Swedish depression, the wind is strong, a North-Westerly gale blowing on the coast of Jutland. Temperature has risen in the west and north-west of these Islands, fallen in the east and north-east. Over a large portion of England the readings are below 32° , and little above it in the east of Scotland, but over the western regions they are much higher—above 45° in places. Sleet is falling at Cairn and rain at Blacksod Point and in the Hebrides, while in the west and north the sky is very cloudy or overcast generally. In the south and east of England there is little cloud. Snow is falling in the north of Scandinavia and at Munich, and hail squalls are reported at the mouth of the Elbe.

Thursday, 25th December, 1913.

DATE AND HOUR.	POSITION.		NAME OF SHIP.	O - Outward. H - Homeward.	BAROMETER.		WIND.		WEATHER.	DATE AND HOUR.	POSITION.		NAME OF SHIP.	O - Outward. H - Homeward.	BAROMETER.		WIND.		WEATHER.
	Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dirco.	Force.			Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dirco.	Force.	
24th 6 p.m.	49	24	<u>St. Paul</u>	H	30.14	-.02	WSW	4-5	0	24th 7 a.m.	54	28	<u>Sicilian</u>	O	29.96	-.10	SSW	6-7	r
" "	50	21	<u>Montfort</u>	H	30.35	-.00	SW	4-5	0	" "	49	28	<u>Finland</u>	O	30.37	-.04	WSW	6-7	"
" "	55	19	<u>Numidian</u>	H	29.88	-.01	WSW	10-11	n	" "	50	24	<u>Montfort</u>	H	30.37	-.02	WSW	1-3	0
" "	55	16	<u>Mongolian</u>	H	29.99	-.02	W	6-7	0	" "	54	23	<u>Numidian</u>	H	30.30	-.01	SSW	4-5	0
										" "	55	19	<u>Mongolian</u>	H	30.12	-.03	WSW	1-3	0

STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.	STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.
			Max.	Min.	Forenoon.	Afternoon.					Max.	Min.	Forenoon.	Afternoon.	
Scot. land.	{ Oban	In.	F.°	P.°	b. bc	cq b	Hr.	{ Margate	In.	F.°	P.°	b	b	Hr.	
	{ St. Andrews	-	42	35	"	"	4.9		{ Ramsgate	0.23	41	35	"	"	5.8
Eng. N.E.	{ Harrogate	-	39	32	c bc b	b	4.1	{ Folkestone	0.30	42	35	r bc	b	5.4	
	{ Scarborough	*						{ Hythe							
Eng. N.W.	{ Morecambe	0.16	43	38	r. bc	b	?	{ Littlestone						4.4	
	{ Blackpool	-	44	38	c cp c	c bc b	5.2	{ Hastings	0.42	41	34	or. b	b	6.8	
	{ Southport							{ Bexhill-on-Sea	0.47	42	31	b	b	5.9	
Mid- lands.	{ Buxton	0.08	37	32	rs. bc	bc	2.4	{ Eastbourne	0.50	40	35	b	b	6.5	
	{ Leamington Spa	0.01	40	30	b c	b. o	2.5	{ Seafood	0.41	41	34	b	b	6.0	
	{ Malvern	-	41	36	b	bc b	4.0	{ Brighton	0.50	41	34	sm b	b bc	5.8	
	{ Rhyl	0.29	43	35	bc c	bc & c	2.1	{ Worthing	0.44	41	32	b	b	6.0	
		{ Colwyn Bay						{ Littlehampton	0.38	*	*	*	*	6.3	
		{ Llandudno	0.02	44	41	c b	b	1.1	{ Southsea	0.40	43	34	b	b	
{ Bettws-y-Coed		-	45	40	oc. b	b. c. o	2.7	{ Ryde							
Wales.	{ Aberystwyth	0.07	45	36	bc	bc	3.4	{ Ventnor				*	*	6.8	
	{ Tenby							{ Bournemouth	0.43	42	35	b	b	6.3	
England, E.	{ Lowestoft							{ Weymouth	0.14	43	35	b	b	5.6	
	{ Felixstowe	0.07	40	34	bc	bc q	5.2	{ Exmouth	0.11	43	34	p	c bc	6.0	
	{ Walton-on-Naze	-	40	34	crr. c	b	5.4	{ Teignmouth	0.13	45	38	b	b	6.6	
	{ Southend-on-Sea	0.22	41	32	bc b	bc	5.0	{ Torquay	0.39	45	35	b	b	6.4	
								{ Paignton	0.25	45	36	b	b	5.6	
								{ Falmouth	0.05	46	38	cp. b	c. b	2.8	
								{ Bude	-	48	42	-	-	1.5	
							{ Ilfracombe	-	48	40	c bc c	c bc c			
							{ Weston-super-Mare								

STATIONS.	HUMIDITY.		Sun- shine for Yester- day.	TEMPERATURE. In Screen.			Rain- fall.	WEATHER.			STATIONS.	RAIN- FALL.	TEMPERATURE.			WEATHER.			Sun- shine for Yester- day.				
	3 p.m. Yester- day.	9 a.m. To- day.		Max.	Min.	Min. on Grass.		Fore- noon.	After- noon.	Night.			In.	In Screen.		Night Min. on Grass.	Night.	Fore- noon.		After- noon.			
														F.	F.						F.	Max.	Min.
Greenwich (Royal Obsy.) ...	76	84	2.5	40	30	21	—	b bc	b bc	b x	Dublin to 4 p.m.	—	40	33	31	b csp	c. b	b	5.2				
City (Bunhill Row) ...	*	*	2.3	*	*	*	*	*	*	*	Plymouth to 9 p.m.	0.01	45	36	30	bc	b	bc	*				
Westminster (St. James's Pk.)	73	87	2.5	42	29	25	—	ofw	bm	bm	Darwen "	0.17	38	31	30	crsh. b	opu. b	bc	2.7				
Camden Sq. (Brit. Rainfall)	79	89	3.2	41	27	25	—	cm. b	b	*	Manchester "	0.05	41	34	*	cr	c. bc.	bc	0.3				
Hampstead (Reservoir) ...	*	85	4.0	40	29	13	—	bex	bex	ofx	Birmingham "	—	39	32	24	o	b c	o	2.4				
Richmond Park	*	*	4.3	VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.																			
Kew. (See front page.)																							
S. Kensington (Roof of M.O.)	80	85	2.9	Total. Joules.		Average Rate. Milliwatts.		Max. Rate. Milliwatts.		S. Kensington (Museum Grounds to 6 p.m.)													
										0.18 41 33 24 cr. bc. bm. bc by *													

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM TO-DAY AND TO-MORROW				NOTES ON YESTERDAY'S WEATHER.		
25/26 December, 1913.		Sunrise.	Noon.	Sunset.		
		G.M.T.	G.M.T.	G.M.T.		
Yarmouth	...	8.6	11.53	3.41	<p>Temperature remained below 40° in a few parts of Great Britain, and at night fell to 4° or 5° below freezing point over a considerable area. Some snow was experienced in Scotland, and rain in Ireland and a few parts of England, but as a whole the day was very fine. At many stations the bright sunshine records were above 5 hours, and in some English localities above 6 hours. According to wireless reports a S.W. to W. wind prevailed between Ireland and the 22nd meridian, light to fresh generally, but strong to a gale along the northern steamer route.</p>	
	...	8.6	11.54	3.42		
Greenwich	...	8.7	12.0	3.53		
	...	8.7	12.1	3.54		
Wick	...	9.5	12.12	3.19		
	...	9.5	12.13	3.20		
Valencia	...	8.51	12.41	4.32		
	...	8.51	12.42	4.33		

The Daily Weather Report is sent free by post to any address in the United Kingdom on payment of £1 per annum, for postage and wrappers.

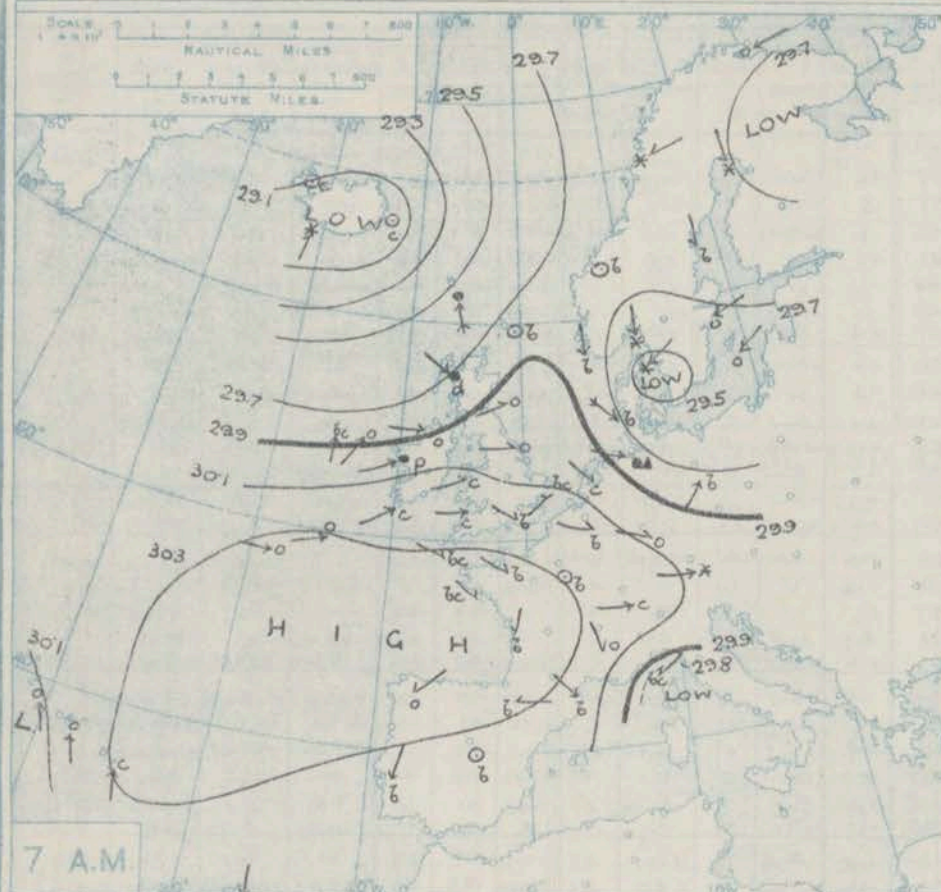
DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

Friday,
26th December, 1913.

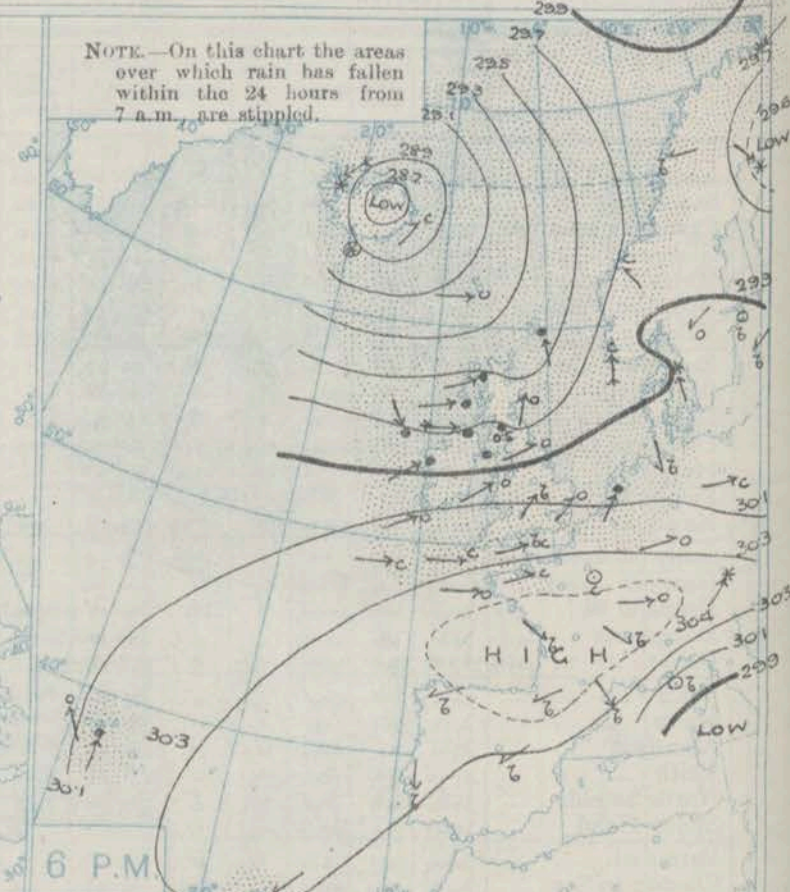
1913.

STATIONS.		YESTERDAY EVENING.					THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.					Sun- shine for Yester- day.
		BAROM.		TEMP.		WIND.	BAROMETER.		TEMP.		WIND.	Force (0 to 12).	Weather.	Sea (0 to 9).	Rain fall.	TEMP.		WEATHER.				
		At 32° F. and M.S.L. Lat. 45°	Dry Bulb.	Force (0 to 12).	Weather.		At 32° F. and M.S.L. Lat. 45°	Change since 4 a.m.	Dry Bulb.	Change since Yester- day.						Force (0 to 12).	Weather.	Max.	Min.	Morning. 7 a.m. to 1 p.m.	Afternoon 1 p.m. to 6 p.m.		Night. 6 p.m. to 7 a.m.
		In.	F.				In.	In.	F.												Hours.	
BRITISH ISLANDS.	Lerwick ...	29.37	45	SSE	7	or	29.36	-0.03	37	+6	W	4	or	4	0.39	46	35	or	or	or	0.0	
	Stornoway ...	29.52	44	WSW	6	or	29.54	-0.02	37	-8	W	6	or	5	0.30	45	34	or	or	or	0.0	
	Castlebay (Barra Isd.)	29.57	48	WSW	5	or	29.62	0.00	42	-6	WSW	4	or	4	0.06	50	39	or	or	or	0.0	
	Glasgow ...	29.73	46	SW	4	or	29.71	+0.03	41	+2	W	4	or	4	0.52	46	39	or	or	or	0.0	
	Malin Head...	29.68	48	W	8	r	29.71	+0.02	44	-2	W	6	or	6	0.15	49	43	or	or	or	0.0	
	Blacksod Point	29.52	51	SW	6	r	29.51	-0.03	44	-4	WSW	4	or	4	0.39	51	41	or	or	or	0.0	
	Valencia ...	30.10	49	SW	5	or	30.07	-0.04	51	+4	SW	6	or	5	0.03	51	46	or	or	or	0.0	
	Roche's Point	30.15	48	W	3	or	30.02	0.00	50	+6	WSW	4	or	4	0.02	50	43	or	or	or	0.0	
	Birr Castle ...	30.01	48	SW	3	or	29.88	0.00	46	+3	W	1	or	1	0.16	49	42	or	or	or	0.0	
	Donaghadee ...	29.87	48	SW	3	or	29.79	+0.06	43	+3	SW	2	or	3	0.07	48	40	or	or	or	0.0	
	Liverpool Obsy...	30.00	47	WSW	4	or	29.85	-0.03	51	+11	WSW	5	or	4	0.02	51	40	or	or	or	0.0	
	Holyhead ...	30.05	48	SW	4	or	29.90	-0.02	48	+2	SSW	3	or	5	0.06	51	41	or	or	or	0.0	
	Pembroke (St. Ann's Hd.)	30.13	47	W	6	or	30.02	-0.02	51	+4	WSW	7	or	6	0.09	52	47	or	or	or	0.0	
	Newquay ...	30.26	48	WSW	4	or	30.17	0.00	49	+3	WSW	4	or	4	0.09	50	46	or	or	or	0.0	
	Scilly (St. Mary's)	30.29	49	W	5	or	30.20	-0.02	50	+4	W	6	or	6	0.04	51	45	or	or	or	0.0	
Jersey (St. Aubin)	30.37	49	WSW	3	or	30.32	0.00	50	+12	W	6	or	4	Trace	50	38	or	or	or	0.0		
Portland Bill ...	30.23	47	WSW	5	or	30.15	-0.01	47	+3	W	6	or	4	Trace	49	45	or	or	or	0.0		
Dungeness ...	30.21	46	WSW	4	or	30.10	-0.02	48	+19	SW	5	or	5	Trace	48	26	or	or	or	0.0		
Dover ...	30.18	42	WSW	4	or	30.10	0.00	47	+16	WSW	6	or	5	Trace	47	30	or	or	or	0.0		
Wick ...	29.47	45	SW	5	or	29.51	0.00	34	-4	WSW	3	or	4	0.21	45	32	or	or	or	0.0		
Nairn ...	29.52	47	W	1	or	29.58	0.00	36	+3	W	1	or	2	0.22	47	33	or	or	or	0.0		
Aberdeen ...	29.62	41	SSW	4	or	29.62	+0.01	36	+4	W	0	or	2	0.24	44	31	or	or	or	0.0		
Leith ...	29.70	48	SW	4	or	29.66	+0.03	41	0	SW	2	or	2	0.04	50	40	or	or	or	0.0		
North Shields	29.86	48	SW	3	or	29.74	+0.02	46	+3	SW	1	or	2	0.02	51	33	or	or	or	0.0		
Spurn Head ...	29.97	43	WSW	4	or	29.80	-0.03	48	+13	WSW	6	or	5	Trace	48	37	or	or	or	0.0		
Yarmouth ...	30.09	41	SW	3	or	29.94	-0.01	46	+16	SW	3	or	2	0.01	47	27	or	or	or	0.0		
Clacton-on-Sea	30.15	41	WSW	2	or	30.05	-0.02	46	+16	WSW	3	or	3	Trace	43	30	or	or	or	0.0		
Nottingham...	30.06	44	SW	4	or	29.90	0.00	50	+18	SW	5	or	4	0.01	50	31	or	or	or	0.0		
Bath ...	30.21	45	SW	3	or	30.09	0.00	49	+20	SW	5	or	4	0.04	49	32	or	or	or	0.0		
London (Kew Obsy.)	30.19	43	SW	3	or	30.09	-0.01	47	+17	SW	4	or	4	0.01	47	30	or	or	or	0.0		
ICELAND, FAEROE, &c.	Spitzbergen ...	30.20	-5	S	2	or	30.26	+0.04	0	0	W	0	or	0	0.00	0	-20	or	or	or	0.0	
	Isafjord ...	28.99	24	NE	9	or	29.10	+0.15	29	+3	NE	9	or	0	0.00	0	0	or	or	or	0.0	
	Reykjavik ...	28.97	16	SE	2	or	28.98	+0.08	24	-3	E	5	or	0	0.00	0	0	or	or	or	0.0	
	Vestmanna ...	28.94	28	W	0	or	28.99	+0.03	28	+2	ENE	4	or	3	0.00	0	0	or	or	or	0.0	
	Seydisfjord ...	28.86	30	SW	3	or	29.08	+0.03	26	-7	W	0	or	0	0.00	0	0	or	or	or	0.0	
Thorshavn ...	29.20	33	W	4	or	29.16	-0.01	34	-5	WNW	3	or	0	0.00	0	0	or	or	or	0.0		
SCANDINAVIA.	Haparanda ...	29.57	19	NW	6	or	29.63	0.00	5	0	ENE	2	or	0	0.00	19	-2	or	or	or	0.0	
	Hernösand ...	29.85	2	SW	2	or	29.63	-0.08	5	+6	W	0	or	0	0.00	19	-2	or	or	or	0.0	
	Stockholm ...	29.91	16	W	0	or	29.76	-0.06	15	-15	WNW	2	or	0	0.00	30	14	or	or	or	0.0	
	Wisby ...	29.92	23	NE	2	or	29.83	-0.08	27	-3	WSW	2	or	0	0.00	30	21	or	or	or	0.0	
	Karlstad ...	29.99	15	NE	2	or	29.58	-0.14	28	+2	SE	4	or	0	0.00	27	10	or	or	or	0.0	
	Vardö ...	29.73	31	NE	6	or	29.76	+0.04	26	-6	ESE	8	or	4	0.00	32	18	or	or	or	0.0	
	Bodö ...	29.88	17	E	2	or	29.61	-0.01	14	-7	E	2	or	1	0.00	21	12	or	or	or	0.0	
	Christiansund	29.74	26	SE	2	or	29.27	-0.14	31	+8	SE	2	or	4	0.04	31	21	or	or	or	0.0	
Skudesnaes ...	29.73	33	S	8	or	29.39	0.00	40	+12	NW	4	or	4	0.20	40	25	or	or	or	0.0		
Færder (Xianta Fjord)	29.47	25	ENE	2	or	29.38	-0.20	34	+4	SSE	6	or	3	0.12	34	18	or	or	or	0.0		
The Scaw (Skagen)...	29.90	35	SSE	5	or	29.44	-0.20	37	0	SW	10	or	3	0.20	41	24	or	or	or	0.0		
Blaavands Huk ...	29.95	31	W	0	or	29.62	-0.12	45	+6	WSW	4	or	3	0.08	46	34	or	or	or	0.0		
GERMANY, &c.	Cuxhaven ...	30.00	36	NW	2	or	29.81	-0.03	42	+5	WSW	6	or	3	0.12	42	36	or	or	or	0.0	
	Berlin ...	29.91	34	W	7	or	29.99	-0.06	34	-1	S	2	or	0	Trace	37	32	or	or	or	0.0	
	Frankfurt ...	30.25	32	WSW	2	or	30.24	-0.00	35	-1	SW	6	or	0	0.16	43	30	or	or	or	0.0	
	Munich ...	30.33	30	SW	5	or	30.40	+0.01	32	+1	SW	6	or	0	Trace	32	28	or	or	or	0.0	
	The Helder ...	30.04	44	SW	5	or	29.91	-0.04	47	+6	SW	6	or	4	0.08	47	41	or	or	or	0.0	
Brussels ...	30.22	37	SW	3	or	30.17	-0.03	39	+7	WSW	5	or	0	0.04	40	31	or	or	or	0.0		
FRANCE.	C. Gris Nez...	30.21	47	WSW	6	or	30.10	-0.04	49	+11	W	7	or	7	0.00	49	38	or	or	or	0.0	
	La Hève ...	30.31	44	WSW	4	or	30.28	0.00	46	+3	WNW	6	or	6	0.00	46	41	or	or	or	0.0	
	Ushant ...	30.39	51	W	4	or	30.35	0.00	52	+3	W	6	or	4	0.00	52	45	or	or	or	0.0	
	Brest (St. Mathieu)	30.43	46	WSW	4	or	30.39	-0.02	51	+7	WSW	5	or	3	0.00	52	44	or	or	or	0.0	
	Lorient (Bec Melen)...	30.48	48	NW	1	or	30.40	0.00	50	+9	W	4	or	3	0.00	52	41	or	or	or	0.0	
	Rochefort (Île d'Aix)	30.49	40	NW	2	or	30.51	+0.04	41	+3	S	3	or	0	0.00	45	38	or	or	or	0.0	
	Biarritz ...	30.49																				

BAROMETER, WIND AND WEATHER FOR 7 A.M. AND 6 P.M. 25TH DECEMBER.



7 A.M.



6 P.M.

NOTE.—On this chart the areas over which rain has fallen within the 24 hours from 7 a.m. are stippled.

GENERAL INFERENCE

WEATHER PROSPECTS.

The depression to the southward of Iceland appears to be dispersing. Another disturbance which is approaching our western coasts is likely to occasion a considerable

increase in the strength of the South-Westerly current over England and Ireland, where the weather will remain mild and changeable, with occasional rain.

FORECASTS FOR THE 24 HOURS NOON FRIDAY

TO NOON SATURDAY.

- 0 {
a Light to fresh Westerly and South-Westerly winds; fair at first, some showers of snow or sleet later.
b
- 1 {
- 2 {
a South-Westerly winds, freshening;
b fair at first, some rain later;
continuing mild.
- 3 {
- 4 {
a South-Westerly winds, increasing
b in strength; mild, cloudy, occasional rain.
- 5 {

FORECAST DISTRICTS.



STORM WARNINGS.

The Coasts upon which the Warning Signals are at present displayed are indicated thus:—

Signals hoisted yesterday.	Signals hoisted this morning.
South Cone.	South Cone.
North Cone.	North Cone.

South Cone hoisted at 9.29 a.m. yesterday in District 0 and part of 1.

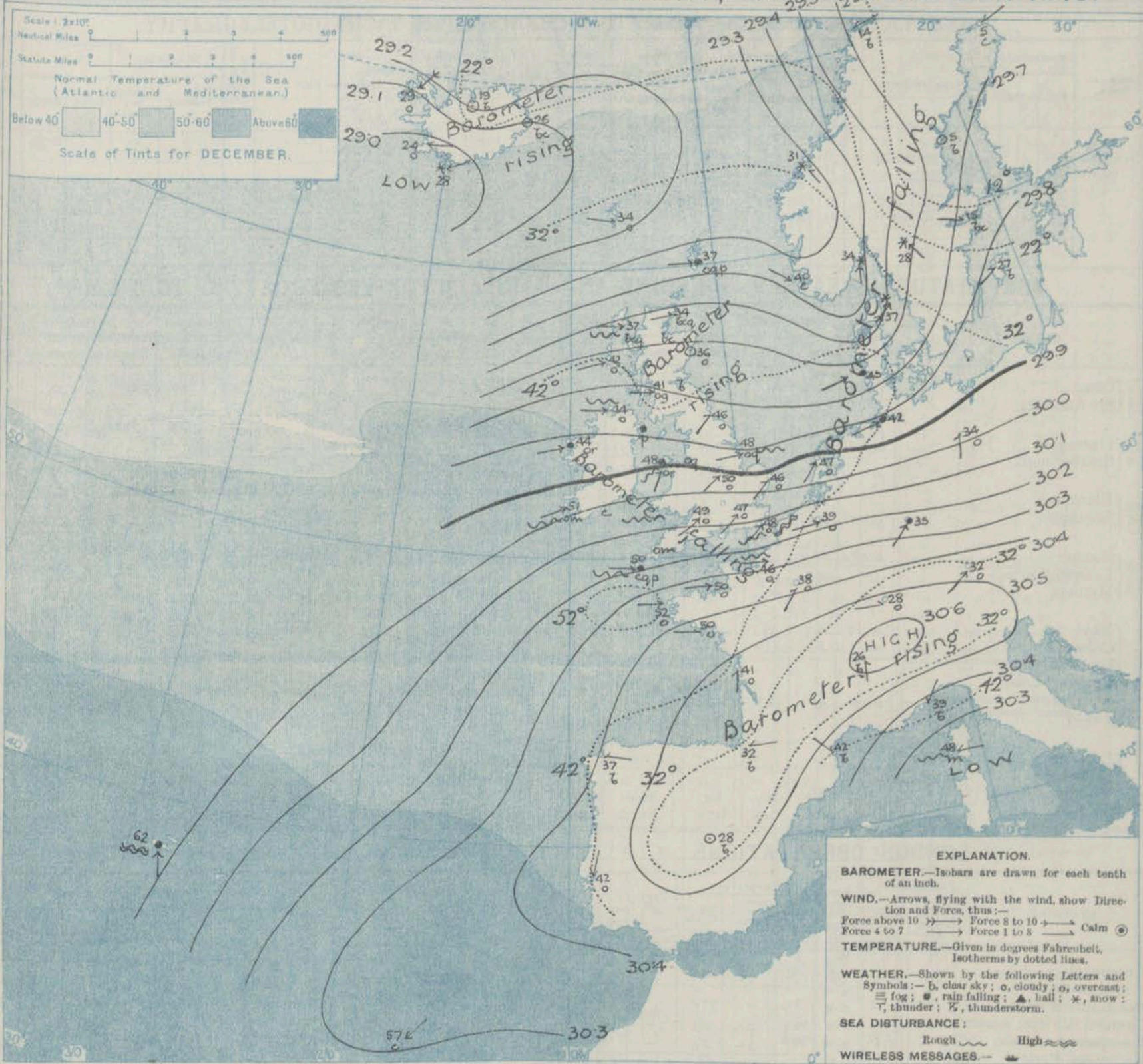
- 6 {
a
b
- 7 {
a South-Westerly to Westerly
b winds, increasing in strength;
mild, changeable, occasional rain.
- 8 {
a
b
- 9 {
a
b
- 10 {
a
b

11 WESTERN CHANNEL AND BAY.

Strong Westerly and South-Westerly winds, and a rough sea; mild, cloudy, occasional rain.

THE FURTHER OUTLOOK.

SYNOPTIC CHART FOR 7 A.M. FRIDAY, 26TH DECEMBER 1913.



NOTES ON THE GENERAL SITUATION AT 7 A.M.

The barometer is now highest over the southern parts of France and the Bay of Biscay. A well-marked depression lies to the southward of Iceland and a secondary is situated over the south of Norway. Another disturbance is approaching our own western coasts from the westward.

South-Westerly to Westerly winds are reported over North-Western Europe generally, and blow strongly on many parts of our own western and southern coasts. In Iceland the wind is Easterly or Northeasterly, with a gale at Isafjord. Temperature has risen rapidly over England, and is now slightly above 50° at a few of our western stations;

in the north and east of Scotland it ranges between 34° and 37°. Hard frost prevails in Sweden and the north of Norway. The weather is fine in the north and east of Scotland, and also in Sweden and the south of France. Elsewhere the sky is cloudy or overcast, with rain in several places, and snow in Norway and Denmark.

DAILY WEATHER REPORT.

Friday, 26th December, 1913.

OBSERVATIONS from the ATLANTIC OCEAN received by RADIOTELEGRAPHY.

DATE AND HOUR.	POSITION.		NAME OF SHIP.	O = Outward. H = Homeward.	BAROMETER.		WIND.		WEATHER.	DATE AND HOUR.	POSITION.		NAME OF SHIP.	O = Outward. H = Homeward.	BAROMETER.		WIND.		WEATHER.
	Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.			Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.	
25th 6 p.m.	55	11	Numidian	H	29.67	+0.2	NW	4-5	r	25th 6 p.m.	49	11	St Paul	H	30.12	+0.1	W	(0-12) 6-7	c
" 7 a.m.	49	19	St Paul	H	30.14	-0.6	W	6-7	o										
" "	50	15	Montfort	H	30.30	-0.1	WSW	6-7	o										
" "	55	15	Numidian	H	29.72	-0.1	SSW	6-7	bc										
" "	55	13	Mongolian	H	29.81	+0.4	SW	6-7	o										

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

STATIONS.	Rainfall.	TEMPERATURE.		WEATHER.		Sunshine to 6 p.m.	STATIONS.	Rainfall.	TEMPERATURE.		WEATHER.		Sunshine to 6 p.m.
		Max.	Min.	Forenoon.	Afternoon.				Max.	Min.	Forenoon.	Afternoon.	
Scot. land. { Oban ...	In. 0.55	F. 49	F. 31	rainy	r	0.0	Margate ...	In. -	F. 43	F. 32	c.bc	c	0.2
St. Andrews ...							Ramsgate ...	-	42	29			1.6
Eng. N.E. { Harrogate ...	0.04	43	28	o.c	op	0.0	Folkestone ...	-	42	30	b.bc	oe	2.9
Scarborough ...		45	32	o.c	o.c	0.0	Hythe ...						
Eng. N.W. { Blackpool ...							Littlestone ...						1.9
Southport ...	0.01	46	38	o	o.c.op	0.0	Hastings ...	-	44	31	b.bc	o	2.9
							Bexhill-on-Sea ...	-	46	30	b.bc	bc.e.o	2.2
							Eastbourne ...	0.01	47	33	b.ob	b.o	2.9
							Seaford ...						
							Brighton ...	-	46	32	b.m.bc	bc.e	1.4
Mid. land. { Buxton ...	0.08	46	28	cr	cr	0.0	Worthing ...	-	45	28	bc	bc	1.1
Leamington Spa ...		43	29			0.0	Littlehampton ...	-					1.5
Malvern ...			39			0.0	Southsea ...						
							Ryde ...	-	47	35	b.x	bc	1.5
Wales. { Rhyl ...	0.08	49	37	o.p.o	o.o	0.1	Ventnor ...	-	48	34			4.0
Colwyn Bay ...		48	40	bc.o	o	0.0	Bournemouth ...	-	48	31	bc	c.o.c	2.1
Llandudno ...													
Bettws-y-Coed ...							Weymouth ...						
Aberystwyth ...	0.05	48	43	r.o.c	or	0.0	Exmouth ...						
Tenby ...							Teignmouth ...	-	49	34	bc	c	0.2
							Torquay ...	-	49	33	bc	c	0.3
England. { Lowestoft ...							Paignton ...						
Felixstowe ...							Falmouth ...	0.02	49	38	bc	cp	0.4
Walton-on-Naze ...		38	29	bc	bc.m	0.7	Bude ...	0.12	51	46	bc	c.dr	1.2
Southend-on-Sea ...		42	29	bc.o	bc.o	1.5	Ilfracombe ...	0.09	51	44	c	c	0.0
							Weston-super-Mare ...	0.03	47	36	c	r.cd	0.0

LONDON OBSERVATIONS.

STATIONS.	HUMIDITY.		Sunshine for Yesterday.	TEMPERATURE.		Rain-fall.	WEATHER.		
	3 p.m. Yesterday.	9 a.m. To-day.		Max.	Min.		Forenoon.	Afternoon.	Night.
Greenwich (Royal Obs.) ...	79	79	0.0	48	34	30	b.o	od.o	o
City (Bunhill Row) ...			0.0						
Westminster (St. James's Pk.) ...			0.0						
Camden Sq. (Brit. Rainfall) ...		79	0.0	49	32	28	b.m.o	o	*
Hampstead (Reservoir) ...		84	0.0	47	32	22	o	oe	o
Richmond Park ...			0.1						
Kew. (See front page.)									
S. Kensington (Roof of M.O.)	-	90	0.0						

Additional Observations for Yesterday.

STATIONS.	Rain-fall.	TEMPERATURE.		WEATHER.		Sunshine for Yesterday.
		Max.	Min.	Night.	Forenoon.	
Dublin to 4 p.m.						
Plymouth to 9 p.m.	0.01	50	31	27	bep	0.8
Darwen "					bef	of
Manchester "						
Birmingham "	0.01	44	33	25		0.0
Oxford to 8 p.m.						
S. Kensington (Museum Grounds to 6 p.m.)	Trace	44	31	18	bz	0.0

NOTES ON YESTERDAY'S WEATHER.

During yesterday the thermometer rose to 50° or slightly above it on the coasts of Devonshire and Cornwall; over the eastern and central parts of the United Kingdom the maximum readings were very little above 40°. The amount of bright sunshine was as a rule small. Slight rain was experienced in most districts. Wireless reports show that between the Irish coasts and the 19th meridian ships experienced strong to high winds from the South-Westward and dull, unsettled weather.

NOTE.—The information relating to weather is indicated by the following letters—b. blue sky; bc. sky half clouded; c. sky three parts clouded; d. drizzling rain; e. wet air, without rain falling; f. fog; g. gloom; h. hail; i. lightning; m. mist; o. overcast sky; p. passing showers; q. squalls; r. rain; s. snow; t. thunder; u. ugly, threatening sky; v. visibility, unusual transparency; w. dew; x. hoar frost; z. dust-haze, or smoke.

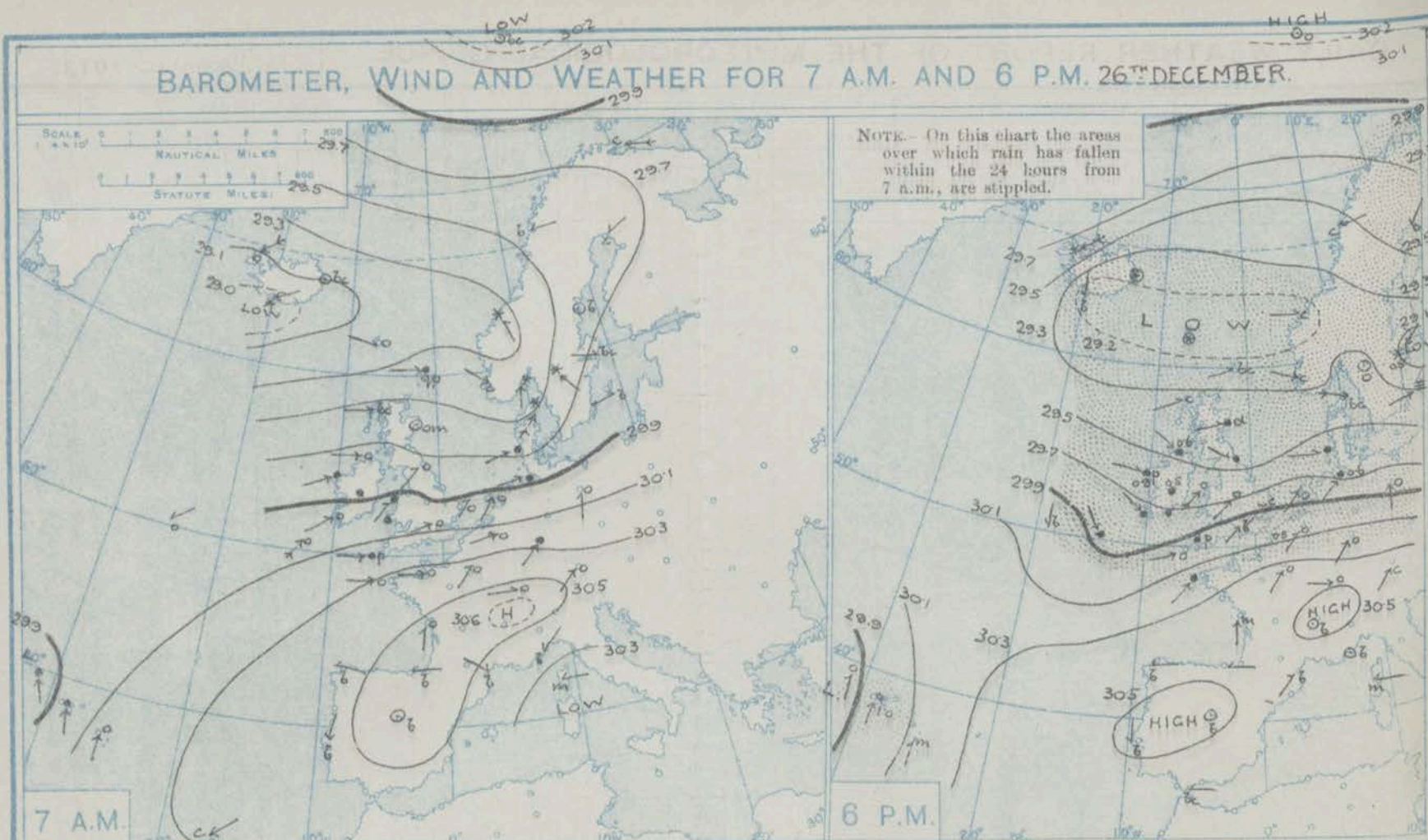
The Daily Weather Report is sent free by post to any address in the United Kingdom on payment of £1 per annum, for postage and wrappers.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

Saturday,
27th December, 1913.

STATIONS.	YESTERDAY EVENING.						THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.						Sun- shine for Yester- day.
	BAROM.		TEMP.		WIND.	Force (0 to 12).	Weather.	BAROMETER.		TEMP.		WIND.	Force (0 to 12).	Weather.	Sea (0 to 9).	Rain fall.	TEMP.		WEATHER.				
	At 32° F. and M.S.L. Lat. 45°.	Dry Bulb.	Dir.	At 32° F. and M.S.L. Lat. 45°.				Change since 4 a.m.	Dry Bulb.	Change since Yester- day.	Dir.						Max.	Min.	Morning, 7 a.m. to 1 p.m.	Afternoon 1 p.m. to 6 p.m.	Night, 6 p.m. to 7 a.m.		
	In.	F.	In.	In.				F.	In.	F.	In.						F.	In.	F.				
BRITISH ISLANDS.	Lerwick ...	29.24	34	WSW	3	bc	29.07	00	33	-4	SSW	2	bc	2	0.06	39	32	cphs	c-bc	bc,lps	0.0		
	Stornoway ...	29.34	38	WSW	3	c	29.28	-02	35	-2	NW	2	bc	2	0.15	38	33	cpg	c-psq	bepq	0.0		
	Castlebay (Barra Isd.)	29.41	41	WNW	4	o	29.31	-02	38	-4	WNW	3	o	4	0.06	43	36	ohp	h-p-o	o-chps	0.0		
	Glasgow ...	29.47	35	WSW	2	cd	29.41	-01	33	-8	WSW	4	os	4	0.47	41	33	cdpq	orsg	oresp	0.0		
	Malin Head...	29.48	39	NW	6	r	29.44	-02	40	-4	NW	8	bc	6	0.55	45	34	omqr	omqr	bcqph	0.0		
	Blacksod Point	29.61	42	WNW	3	cp	29.67	00	42	-2	W	6	cqjo	5	0.89	44	35	or	or	cqph	0.0		
	Valencia ...	29.72	45	WNW	4	omtg	29.92	+02	43	-8	WNW	5	bc	5	0.30	52	43	omr	omr	omr	0.0		
	Roche's Point	29.71	50	SW	6	r	29.89	00	39	-11	WSW	3	b	4	0.18	50	39	op	r	r-c-b	0.0		
	Birr Castle ...	29.62	40	W	3	r	29.77	00	35	-11	W	1	c	0	0.53	50	34	or	or	or-c	0.0		
	Donaghadee ...	29.50	36	SW	1	omr	29.56	-01	34	-9	W	3	cps	3	0.42	43	34	omr	omr	omr	0.0		
	Liverpool Obsy. ...	29.57	50	SW	7	r	29.61	+01	40	-11	W	7	c	6	0.23	51	39	op	orq	bepq	0.1		
	Holyhead ...	29.61	51	SW	8	omtg	29.70	00	41	-7	WNW	8	bcq	8	0.34	51	40	c-omq	o-c-omq	o-c-bc	0.0		
	Pembroke (St. Ann's Hd.)	29.78	51	SW	8	o	29.82	+02	44	-7	W	6	bcq	6	0.32	52	44	cqjo	cqjo	omr	0.0		
	Newquay ...	29.94	49	SW	5	oqb	29.90	+02	46	-3	WSW	7	o	6	0.24	50	46	om	omq	opq	0.0		
	Scilly (St. Mary's) ...	29.96	50	WSW	7	omq	29.94	+01	46	-4	WNW	5	cqjo	6	0.26	53	44	cqjo	omq	omr	0.0		
	Jersey (St. Aubin) ...	30.22	49	SW	5	og	29.94	00	47	-3	WSW	4	omr	4	0.23	53	46	og	og	og-c	0.0		
	Portland Bill ...	30.01	49	WSW	7	c	29.84	+03	47	0	WNW	6	o	5	0.20	52	44	c	cp	cqjo	0.0		
	Dungeness ...	30.04	48	SW	7	bqjo	29.76	+04	44	-4	SW	4	bc	6	0.30	49	43	cq	cqjo	b-qqr	0.0		
	Dover ...	29.99	47	WSW	6	b	29.75	00	42	-5	SW	3	bc	5	0.29	50	41	c	cp-bc	o-c-bc	0.0		
ICELAND, FAEROE, &c.	Wick ...	29.36	34	SSW	3	c	29.17	00	33	-1	W	4	cqps	4	0.04	35	29	bc-ops	o-c	o-c-ps	0.0		
	Nairn ...	29.40	36	W	1	ozu	29.27	00	31	-5	W	0	bc	1	0.15	38	30	cg	bz	sc	0.0		
	Aberdeen ...	29.31	37	WSW	1	omd	29.24	-03	34	-2	W	3	b	2	0.01	39	33	om	omd	omd-b	0.0		
	Leith ...	29.43	36	WSW	1	r	29.36	-02	35	-6	WSW	3	o	0	0.16	43	34	o	or	od	0.0		
	North Shields ...	29.46	41	NW	2	r	29.43	00	36	-10	NW	4	o	3	0.48	46	35	c	or	res.	0.0		
	Spurn Head ...	29.62	48	SW	7	o	29.52	00	40	-8	W	7	bcq	6	0.22	49	38	om	of-cq	cqr	0.0		
	Yarmouth ...	29.83	49	SW	3	c	29.62	+01	40	-6	WNW	3	bc	2	0.06	50	36	c	c	cd	0.0		
	Clacton-on-Sea ...	29.92	46	WSW	4	c	29.67	+02	42	-4	WSW	2	c	2	0.15	49	42	o	o-c	o-c-c	0.0		
	Nottingham...	29.69	50	SW	4	o	29.64	00	37	-13	SW	4	b	0	0.15	51	37	opm	o	or	0.0		
	Bath ...	29.92	50	SW	6	o	29.81	00	42	-7	W	2	o	0	0.16	52	41	opd	opd	orq	0.0		
London (Kew Obsy.)...	29.93	48	SW	5	b	29.75	+02	43	-4	WSW	2	o	0	0.16	50	43	o	o-c-bc-bc-qqr	o-c	0.0			
SCANDINAVIA.	Spitzbergen ...	30.25	6	NE	0	o	30.23	00	-6	-6	NE	0	b	0	0.08	7	-9						
	Isafjord...	29.61	25	NE	0	s	30.09	+06	33	+4	NE	0	b	0	0.08	7	-9						
	Reykjavik ...	29.26	30	N	7	o	29.82	+09	30	+6	N	9	b	0	0.08	7	-9						
	Vestmanna ...	29.17	28	N	5	b	29.70	+08	33	+5	N	9	b	2	0.08	7	-9						
	Seydisfjord ...	29.25	32	N	0	3	29.73	+08	30	+4	NE	5	b	0	0.08	7	-9						
	Thorshavn ...	29.14	32	N	0	5	29.15	+02	30	-4	NNW	2	bc	0	0.08	7	-9						
	Haparanda ...	29.65	6	NE	2	o	29.60	-01	3	-2	NE	2	o	0	0.08	7	-2						
GERMANY, &c.	Hernösand ...	29.08	32	NE	4	s	29.13	-04	23	+8	NE	2	o	0	0.51	32	15						
	Stockholm ...	29.21	34	WSW	4	f	29.09	-14	28	+1	E	4	o	0	0.47	37	23						
	Wisby ...	29.33	26	W	0	o	29.11	-06	12	-16	NE	2	o	0	0.32	30	5						
	Karlstad ...	29.82	20	ESE	3	s	29.57	-04	24	-2	NE	4	s	4	0.20	37	30						
	Vardö ...	29.40	19	E	4	c	29.41	+01	10	-4	E	7	b	3	0.12	40	34						
	Bodö ...	29.15	34	W	1	c	29.00	-04	33	+2	W	0	c	4	0.20	37	30						
	Christiansund ...	29.30	40	WNW	4	c	29.01	-04	38	-2	WSW	4	c	5	0.12	40	34						
FRANCE.	Skudesnaes ...	29.33	36	N	1	b	29.04	-06	27	-7	N	4	f	2	0.16	45	34						
	Færder (X'lania Fjord) ...	29.38	41	WNW	8	bc	29.00	-09	35	-2	NW	2	r	0	0.16	45	34						
	The Scaw (Skagen) ...	29.54	41	W	3	r	29.13	+05	40	-5	WNW	5	r	5	0.43	46	37						
	Blaavands Huk ...	29.69	44	SW	4	r	29.30	-11	43	+1	W	7	brq	4	0.55	46	39						
	Cuxhaven ...	29.80	43	S	5	o	29.46	-15	42	+8	SW	7	o	0	0.20	43	34						
	Berlin ...	30.21	39	SW	5	o	29.82	-18	40	+5	SW	8	o	0	0.41	41	35						
	Frankfurt ...	30.37	37	SW	5	c	30.03	-08	41	+9	SW	7	bc	0	0.41	30							
SPAIN, PORTUGAL, &c.	Munich ...	29.81	48	SW	7	o	29.50	+04	44	-3	W	7	c	6	0.12	48	44						
	The Helder ...	29.94	44	SW	2	o	29.70	+07	42	+3	WSW	6	r	0	0.12	45	39						
	Brussels ...	30.01	48	SW	7	c	29.57	+04	44	-5	SW	6	r	6	0.51	52	43						
	C. Gris Nez ...	30.21	46	SW	6	o	29.86	00	45	-1	WSW	7	r	7	0.12	48	41						
	Ushant ...	30.15	51	SW	7	r	29.45	00	51	-1	NW	4	r	5	0.16	52	46						
	Brest (St. Mathieu) ...	30.25	51	WSW	6	o	30.01	-04	52	+1	SW	7	r	6	0.04	50	48						
	Lorient (Bec Melen)...	30.43	36	S	4	m	30.24	-04	52	+11	WSW	5	o	0	0.52	52	36						
SPAIN, PORTUGAL, &c.	Rochefort (Ile d' Aix) ...	30.41	42	E	3	b	30.37	-01	46	+14	SE	2	b	2	0.46	32							
	Biarritz ...	30.33	39	SSW	4	o	30.00	-07	39	+1	SW	4	o	0	0.43	38							
	Paris ...	30.49	34	W	4	o	30.17	00	34	+6	W	6	c	0	0.39	26							
	Belfort ...	30.56	34																				

BAROMETER, WIND AND WEATHER FOR 7 A.M. AND 6 P.M. 26th DECEMBER.



GENERAL INFERENCE

In the rear of the depression which is passing across Norway small secondary disturbances will traverse the United Kingdom, and with occasional showers of snow or sleet in many northern districts, with strong winds from the

WEATHER PROSPECTS.

Westward and North-Westward. Later on a new Atlantic depression will cause backing winds on our western coasts.

FORECASTS FOR THE 24 HOURS NOON SATURDAY

TO NOON SUNDAY.

- 0 {
a } Fresh North-Westerly winds,
b }
1 { moderating later; cold, changeable, some
b }
2 {
a } snow showers; sharp frost tonight.
b }
3 {
a } Fresh or strong Westerly winds,
b }
4 {
a } moderating later; mostly fair, but sleet
b }
5 { showers locally; sharp frost tonight.
b }

FORECAST DISTRICTS.



STORM WARNINGS.

The Coasts upon which the Warning Signals are at present displayed are indicated thus:—

Signals hoisted yesterday.	Signals hoisted this morning.
South Cone.	South Cone.
North Cone.	North Cone.

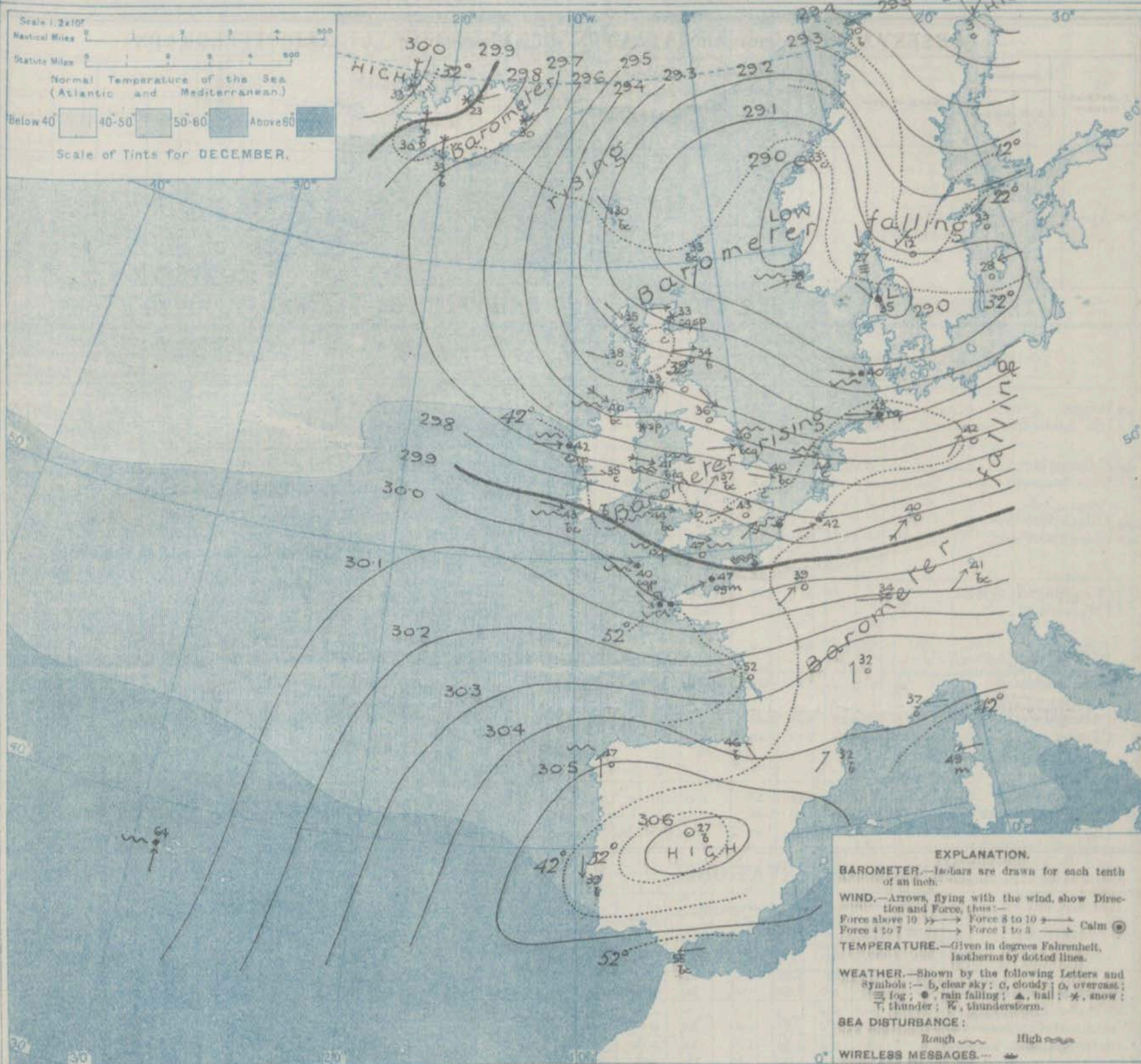
SOUTH CONE HOISTED
at 2.5 p.m. yesterday.
in Districts 5, 8 and 10.

- 6 {
a } Same as Nos 0. to 2.
b }
7 {
a } Strong Westerly and North-Westerly
b }
8 { winds, moderating and backing later;
b }
9 { fair generally, but snow or sleet showers
b }
10 {
a } in places; sharp frost, tonight
b }

- 11 **WESTERN CHANNEL AND BAY.**
Strong Westerly and North-Westerly winds and a rough sea; squally, showery, fine intervals; colder

THE FURTHER OUTLOOK.

SYNOPTIC CHART FOR 7 A.M. SATURDAY, 27th DECEMBER 1913.



NOTES ON THE GENERAL SITUATION AT 7 A.M.

The centre of a rather deep depression is lying over southern Norway, and small secondary disturbances are passing across various parts of the United Kingdom and the North Sea. The highest pressures are found over central Spain, but the barometer is relatively high to the North-westward of Iceland and in the neighbourhood of Spitsbergen.

The wind is fresh or strong from the westward or North-westward over western Europe generally, and blows with the force of a gale in the Irish Sea and the north of Iceland. In Iceland it is strong to a gale from North and North-East. Temperature has risen in France and Germany, fallen elsewhere. At the Channel stations the

thermometer is a trifle above 45°, but over the northern and central parts of the United Kingdom it is below 40°, and in central Scotland it is below the freezing point. Hard frost still prevails in Sweden and the north of Norway. The weather is in a very changeable condition generally. Showers of snow or sleet are falling in many of our own districts, and also in Iceland, and rain is reported at several of the Continental stations. The sea is rough on nearly all our coasts, and very high at Holyhead.

DAILY WEATHER REPORT.

Saturday, 27th December, 1913.

OBSERVATIONS from the ATLANTIC OCEAN received by RADIOTELEGRAPHY.

DATE AND HOUR.	POSITION.		NAME OF SHIP.	Outward. H Homeward.	BAROMETER.		WIND.		WEATHER.	DATE AND HOUR.	POSITION.		NAME OF SHIP.	Outward. H Homeward.	BAROMETER.		WIND.		WEATHER.
	Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.			Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.	
26th, 6 p.m.	51	19	Victorian	H	30.06	+0.02	N	1-3	2	26th, 7 a.m.	50	24	Victorian	H	29.97	-0.05	NE	1-3	0
	50	16	Minneapolis	O	29.89	+0.16	NW	6-7	7		50	12	Minneapolis	O	30.10	-0.06	SW	8-9	0

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

STATIONS.	Rainfall.	TEMPERATURE.		WEATHER.		Sunshine to 6 p.m.	STATIONS.	Rainfall.	TEMPERATURE.		WEATHER.		Sunshine to 6 p.m.
		Max.	Min.	Forenoon.	Afternoon.				Max.	Min.	Forenoon.	Afternoon.	
Scot. land. (Oban ...)	In. 0.35	F. 49	F. 39	of	of	0.0	Margate ...	In. -	F. 51	F. 35	c	c	0.0
(St. Andrews ...)	0.10	48	36	"	"	0.0	Ramsgate ...	-	49	39	"	"	0.0
Eng. N.E. (Harrogate ...)	0.18	48	41	of	mq	0.0	Folkestone ...	-	49	41	o	o	0.0
(Scarborough ...)	"	49	42	of	of	0.0	Hythe ...	-	"	"	"	"	0.0
Eng. N.W. (Morecambe ...)	0.52	48	42	dg	dg	0.0	Littlestone ...	"	"	"	"	"	0.0
(Blackpool ...)	"	"	"	"	"	"	Hastings ...	0.02	50	46	o.c.	of.c.	0.0
(Southport ...)	0.34	49	44	r	of.o.	0.0	Bexhill-on-Sea ...	0.03	50	47	c	of.m.o.	0.0
Mid. lands. (Buxton ...)	-	47	31	cr	cr	0.0	Eastbourne ...	0.01	51	47	o	of	0.0
(Leamington Spa ...)	-	51	37	c.b.	c.b.	0.0	Seaford ...	"	"	"	"	"	0.0
(Malvern ...)	-	51	47	bc	bc.d	3.0	Brighton ...	-	50	38	o	o	0.0
Wales. (Rhyl ...)	0.09	53	43	bc.c.	c.or.	1.0	Worthing ...	0.02	50	39	bc.c.	cq	0.0
(Colwyn Bay ...)	0.07	54	43	bc	r	0.0	Littlehampton ...	0.01	"	"	"	"	0.0
(Llandudno ...)	"	52	41	o.c.or.	of	0.8	Southsea ...	0.02	54	42	bc.	c.or.	0.7
(Bettws-y-Coed ...)	"	"	"	"	"	"	Ryde ...	0.01	51	49	"	"	0.0
(Aberystwyth ...)	0.02	50	46	o	o.or.	0.0	Ventnor ...	trace	51	45	"	"	0.3
(Tenby ...)	0.08	51	49	gd	d	0.0	Bournemouth ...	-	51	37	c	of	0.0
England. (Lowestoft ...)	-	"	"	"	"	"	Weymouth ...	-	51	41	bc.c.	c.or.	0.0
(Felixstowe ...)	-	49	33	c.o	o	0.0	Exmouth ...	-	"	"	"	"	0.0
(Walton-on-Naze ...)	-	49	40	c.b.	c.b.bc.	0.0	Teignmouth ...	-	51	47	o.c.	c	0.0
(Southend-on-Sea ...)	-	49	32	bc	bc	0.0	Torquay ...	0.01	51	46	c	o	0.0
							Paignton ...	"	"	"	"	"	0.0
							Falmouth ...	0.04	51	45	ob	of	0.1
							Bude ...	0.11	52	49	odpq	of.pq	0.0
							Ilfracombe ...	0.12	52	47	od.ec	o	0.0
							Weston-super-Mare	-	50	36	c.bc.	bc.o	0.1

LONDON OBSERVATIONS.

Additional Observations for Yesterday.

STATIONS.	HUMIDITY.		Sunshine for Yesterday.	TEMPERATURE.		Rainfall.	WEATHER.		STATIONS.	Rainfall.	TEMPERATURE.		WEATHER.		Sunshine for Yesterday.
	3 p.m. Yesterday.	9 a.m. To-day.		In Screen.	Min. on Grass.		Forenoon.	Afternoon.			In Screen.	Night Min. on Grass.	Night.	Forenoon.	
Greenwich (Royal Obs.) ...	73	82	0.0	51	40	34	0.20	0	0.01	of	of	of	of	of	0.0
City (Bunhill Row) ...	"	"	0.0	"	"	"	"	"	"	"	"	"	"	"	0.0
Westminster (St. James's Pk.)	77	84	0.0	51	41	31	0.17	0m	0a	bm.tu	"	"	"	"	0.0
Camden Sq. (Brit. Rainfall)	"	87	0.0	51	39	34	0.16	"	"	"	"	"	"	"	0.0
Hampstead (Reservoir) ...	"	87	0.0	49	38	26	0.15	oe	oe	of.x.c.	"	"	"	"	0.0
Richmond Park ...	"	"	0.0	"	"	"	"	"	"	"	"	"	"	"	0.0
Kew. (See front page.)	"	"	0.0	"	"	"	"	"	"	"	"	"	"	"	0.0
VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.															
Total.				Average Rate.				Max. Rate.							
95 Joules.				3.4 Milliwatts.				8.0 Milliwatts.							
S. Kensington (Roof of M.O.)	81	87	0.0	"	"	"	"	"	"	"	"	"	"	"	0.0
Additional Observations for Yesterday.															
Dublin to 4 p.m.	In. 0.24	F. 51	F. 43	F. 42	leg. of	gf. of	qr	"	"	"	"	"	"	"	0.0
Plymouth to 9 p.m.	0.02	51	46	43	c.bq	of	of	0.0	"	"	"	"	"	"	0.0
Darwen "	0.66	48	40	36	od	of	of	0.0	"	"	"	"	"	"	0.0
Manchester "	"	"	"	"	"	"	"	"	"	"	"	"	"	"	0.0
Birmingham "	"	"	"	"	"	"	"	"	"	"	"	"	"	"	0.0
Oxford to 8 p.m.	"	"	"	"	"	"	"	"	"	"	"	"	"	"	0.0
S. Kensington (Museum Grounds to 6 p.m.)	-	51	44	37	bc.c.o	o	of.cq	"	"	"	"	"	"	"	0.0

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM TO-DAY AND TO-MORROW

27th Dec. 1913.	Sunrise.	Noon.	Sunset.
Yarmouth ...	G.M.T. 8.6	G.M.T. 11.54	G.M.T. 3.44
Greenwich ...	8.8	12.1	3.55
Wick ...	8.5	12.3	3.21
Valencia ...	8.51	12.42	4.34
	8.51	12.43	4.35

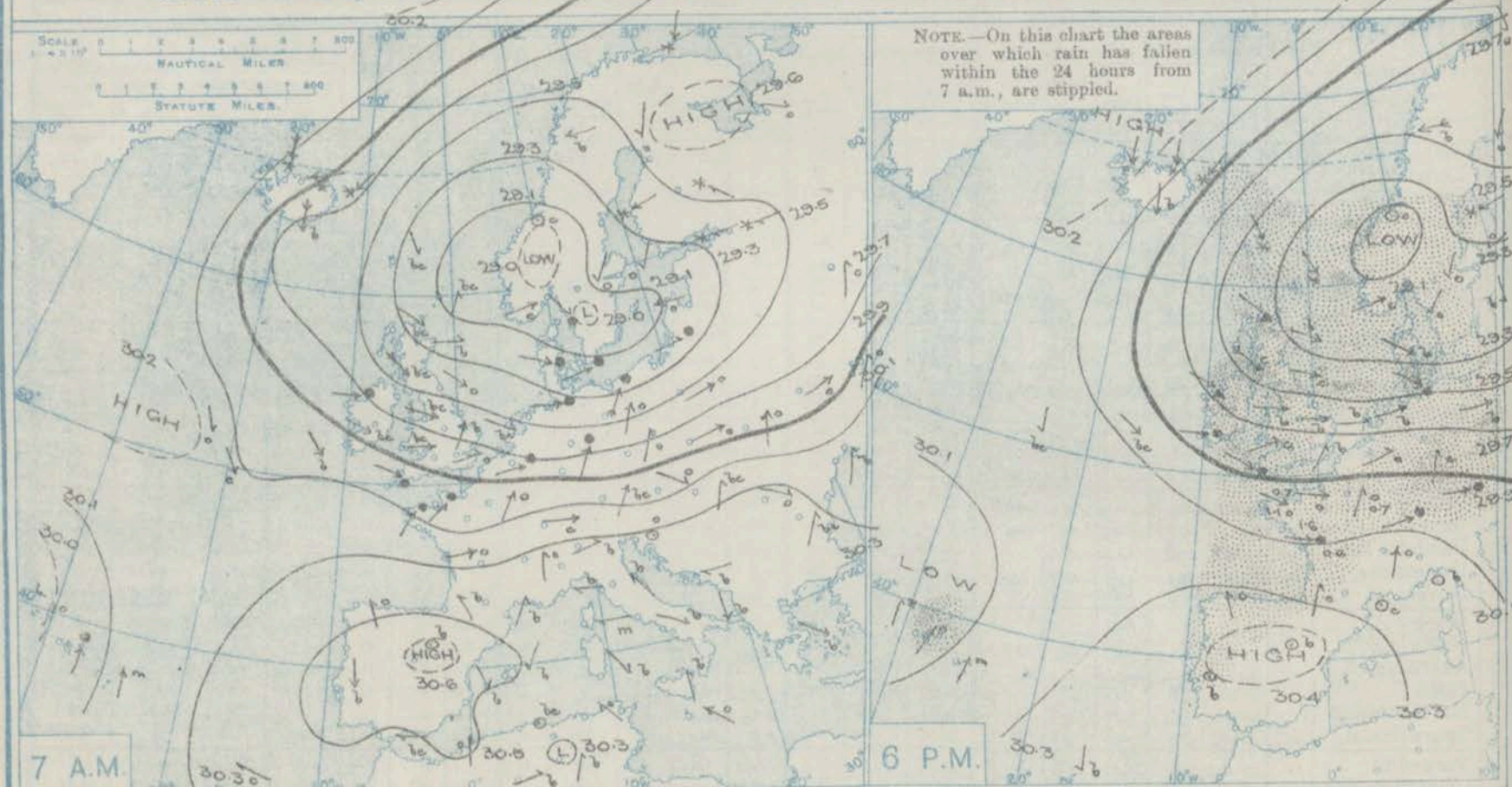
Over England and the south of Ireland the thermometer rose to 50° and upwards, but in the north and east of Scotland it did not reach 40°. At a large majority of our stations there was an entire absence of bright sunshine. Snow, hail or sleet was experienced in the north, and rain in all other districts, and lightning was seen at night on our extreme north and north-west coasts. Wireless reports show that as far west as the 20th meridian ships experienced strong winds from between South-West and North-West, and changeable, showery weather.

NOTE.—The information relating to weather is indicated by the following letters—b. blue sky; bc. sky half clouded; c. sky three parts clouded; d. drizzling rain; e. wet air, without rain falling; f. fog; g. gloom; h. hail; l. lightning; m. mist; o. overcast sky; p. passing showers; q. squalls; r. rain; s. snow; t. thunder; u. ugly, threatening sky; v. visibility, unusual transparency; w. dew; x. hoar frost; z. dust-haze, or smoke.

The Daily Weather Report is sent free by post to any address in the United Kingdom on payment of £1 per annum, for postage and wrappers.

† Received too late for insertion in Charts.

BAROMETER, WIND AND WEATHER FOR 7 A.M. AND 6 P.M. 27th DECEMBER.



GENERAL INFERENCE

WEATHER PROSPECTS.

FORECASTS FOR THE 24 HOURS NOON SUNDAY

TO NOON MONDAY.

0 { a
b
1
2 { a
b
3
4 { a
b
5

None Issued.

FORECAST DISTRICTS.



STORM WARNINGS.

The Coasts upon which the Warning Signals are at present displayed are indicated thus:—

Signals hoisted yesterday.	Signals hoisted this morning.
South Cone	South Cone.
North Cone	North Cone.

SOUTH CONE hoisted at 7 a.m. yday in Dist. 7 & 9; rehoisted at 7 a.m. yday in Dist. 5, 7, 8, 10 & 11. NORTH CONE hoisted 9 a.m. in Dist. 6 & 1.

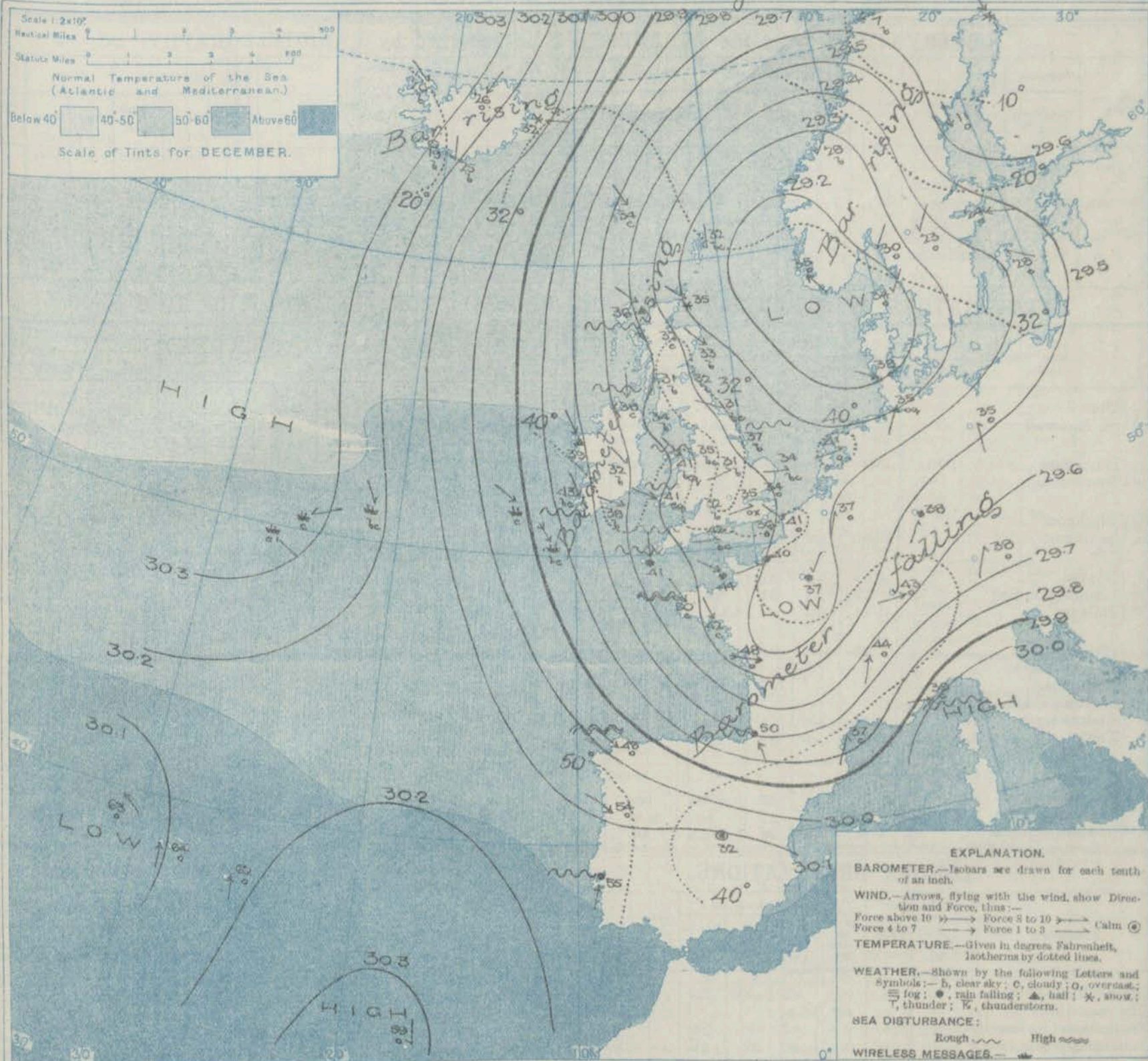
6 { a
b
7 { a
b
8 { a
b
9 { a
b
10 { a
b

None Issued.

11 WESTERN CHANNEL AND BAY.

THE FURTHER OUTLOOK.

SYNOPTIC CHART FOR 7 A.M. Sunday, 28th DECEMBER 1913.



NOTES ON THE GENERAL SITUATION AT 7 A.M.

Pressure is above 30.3 in. in the west of Iceland and over a large area on the Atlantic to the southward, and also at Madeira. Below 29.2 in. in a depression centred off the south of Norway, and relatively low in a secondary over the north of France, as well as at the Azores.

Over these Islands the wind is North-Westerly generally, and fresh to strong on the western and northern coasts, but in the south-east it is Westerly and of little force. At Rochefort a gale from West-North-West prevails, and at Lyons a high wind from South-south-West. Temperature has fallen very

generally, and now ranges from about 32° in many parts of the United Kingdom to 43° at Valencia, and to 44° at Jersey. Severe frost is prevalent over the northern half of Scandinavia. Showers of hail are falling at Blackad Point and Stornoway, and of snow at Wick, while at Scilly showers of rain are reported. Over these Islands generally, however, the weather is fair to fine. At most of the Continental stations the sky is cloudy or overcast, with rain at Paris, Harre, and Frankfurt, and snow at Haparanda.

DAILY WEATHER REPORT.

Sunday, 28th December 1913.

OBSERVATIONS from the ATLANTIC OCEAN received by RADIOTELEGRAPHY.

DATE AND HOUR.	POSITION.		NAME OF SHIP.	O- Outward H- Homeward	BAROMETER.		WIND.		WEA- THER.	DATE AND HOUR.	POSITION.		NAME OF SHIP.	O- Outward H- Homeward	BAROMETER.		WIND.		WEA- THER.
	Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.			Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.	
28th Jan.	50	25	Lusitania	H	30.35	-0.3	ENE	1-3	c	27th Jan.	50	20	Minnewaska	H	30.19	+0.2	WSW	4-5	c
"	50	10	Marquette	H	29.87	+1.0	NW	?	bc	"	49	20	Minneapolis	O	30.10	+0.1	NNW	4-5	c
27th Gpm.	49	25	Minneapolis	O	30.24	+0.2	NNW	4-5	o	"	51	14	Victorian	H	30.06	-0.2	NNW	4-5	b
"	51	18	California	H	30.10	-0.2	NW	6-7	bc	"	51	23	California	H	30.19	0.0	NNW	1-3	o

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.	STATIONS.	Rainfall.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.
			Max.	Min.	Forenoon.	Afternoon.				Max.	Min.	Forenoon.	Afternoon.	
Brit. land.	{ Oban	In.	F. °	F. °			Hr.	{ Margate	In.	F. °	F. °			Hr.
	{ St. Andrews							{ Ramsgate						
Eng. N.E.	{ Harrogate	0.51	38	34	o.c.p.sq.	c.p.sq.	1.3	{ Folkestone	0.26	42	39	o	o	0.0
	{ Scarborough							{ Hythe						
Eng. N.W.	{ Blackpool							{ Littlestone						0.0
	{ Southport	0.18	43	38	o.c.be.o	ohq.c	0.9	{ Hastings	0.40	?	39	or.o	o	0.0
Mid- lands	{ Buxton	0.66	39	32	oe.rs	bch	0.8	{ Bexhill-on-Sea	0.34	?	40	o	c.be.b	0.0
	{ Leamington Spa	0.28	43	38	bc	bc	3.5	{ Eastbourne	0.50	?	42	o	og	0.9
Wales.	{ Malvern	0.23	44	40	b.be	c.b	4.5	{ Seaford	0.31	?	43	o	o	0.0
	{ Rhyl	0.23	43	39	b.c.c	c.r.c	2.7	{ Brighton	0.22	44	43	o.be	bc.o	0.0
England, S.E.	{ Colwyn Bay							{ Worthing	0.20	44	41	c	c.be	0.0
	{ Llandudno							{ Littlehampton	0.34					0.0
England, S.W.	{ Bettws-y-Coed	0.26	48	42	r.o.c	c.be	2.5	{ Southsea	0.25	45	41	c.o	c	
	{ Aberystwyth	0.45	45	37	c.be	o	1.6	{ Ryde						
England, S.W.	{ Tenby							{ Ventnor						
	{ Lowestoft							{ Bournemouth	0.25	45	41	c.o	c.o	0.5
England, S.W.	{ Felixstowe	0.10	49	38	c.be	bcq	4.3	{ Weymouth	0.16	46	43	c.be	bc	0.2
	{ Walton-on-Naze	?	49	33	bc	b.be	?	{ Exmouth						
England, S.W.	{ Southend-on-Sea	0.10	42	39	bc.b	bc	1.5	{ Teignmouth	0.14	47	41	o.ep.be	c	0.0
								{ Torquay						
								{ Paignton	0.24	47	42	bep	bc	0.3
								{ Falmouth		46	41	cp	cp	0.0
								{ Bude	0.28	48	43	c	cp	0.0
								{ Ilfracombe	0.21	47	43	o	o	0.0
								{ Weston-super-Mare						

LONDON OBSERVATIONS.

Additional Observations for Yesterday.

STATIONS.	HUMIDITY.		Sun- shine for Yester- day.	TEMPERATURE.			Rain- fall.	WEATHER.			STATIONS.	RAIN- FALL.	TEMPERATURE.			WEATHER.			Sun- shine for Yester- day.								
	3 p.m. Yester- day.	9 a.m. To- day.		In Screen.		Min. on Grass.		Fore- noon.	After- noon.	Night.			In Screen.	Night Min. on Grass.	Night.	Fore- noon.	After- noon.										
				Max.	Min.													Max.		Min.							
24 HOURS ENDED 9 A.M. TO-DAY.																											
	%	%	Hr.	F.°	F.°	F.°	In.					In.	F.°	F.°	F.°				Hr.								
Greenwich (Royal Obs.) ...	69	88	0.9	42	33	24	-	c.be	bc.	o.bcx	Dublin to 4 p.m.	0.22	41	35	33	rhq.be	bq	bq	*								
City (Bunhill Row) ...	*	*	0.7	*	*	*	*	*	*	*	Plymouth to 9 p.m.	0.15	51	40	36	c.b	o.b	o	0.3								
Westminster (St. James's Pk.)	77	98	0.6	43	32	29	-	bc	bc.	omx.br	Darwen "	0.28	46	34	32	or.ch	oph.b	oph	0.2								
Camden Sq. (Brit. Rainfall)	-	97	1.9	43	31	26	-	*	*	*	Manchester "	0.35	42	36	*	or.ch	oph.c	oph	0.2								
Hampstead (Reservoir) ...	*	93	2.2	44	30	18	-	bc	bcx	bc	Birmingham "	0.24	49	36	30	*	b	b	4*								
Richmond Park ...	*	*	0.44	VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.																							
Kew. (See front page.)				Total.		Average Rate.		Max. Rate.																			
				151 Joules.		5.4 Milliwatts.		14.5 Milliwatts.																			
S. Kensington (Roof of M.O.)	80	98	0.7																S. Kensington (Museum Grounds to 6 p.m.)	-	50	40	30	or.o	c.bc	bcx.bc	*

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM TO-DAY AND TO-MORROW

28th-29th Dec 1913.		Sunrise.	Noon.	Sunset.
Yarmouth	G.M.T.	G.M.T.	G.M.T.	
	8.6	11.55	3.44	
Greenwich	8.6	11.55	3.45	
	8.8	12.2	3.56	
Wick	8.8	12.2	3.57	
	9.5	12.4	3.22	
Valencia	9.5	12.4	3.23	
	8.51	12.43	4.35	
	8.51	12.43	4.36	

Showers of rain, sleet, or snow were experienced in most parts of the British Islands, and heavy rain in the north and north-west of France. Temperature remained below 35° in some Scottish localities, but rose to above 40° in most parts of England and in Ireland, and exceeded 50° at Scilly and Jersey. Bright sunshine was more prevalent in central England, and locally in Wales and eastern England than elsewhere. According to wireless reports a light to strong wind from between North and North-West prevailed as far west as the 25th meridian.

NOTE.—The information relating to weather is indicated by the following letters—b. blue sky; bc. sky half clouded; c. sky three parts clouded; d. drizzling rain; e. wet air, without rain falling; f. fog; g. gloom; h. hail; i. lightning; m. mist; o. overcast sky; p. passing showers; q. squalls; r. rain; s. snow; t. thunder; u. ugly, threatening sky; v. visibility, unusual transparency; w. dew; x. hoar frost; z. dust-haze, or smoke.

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DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

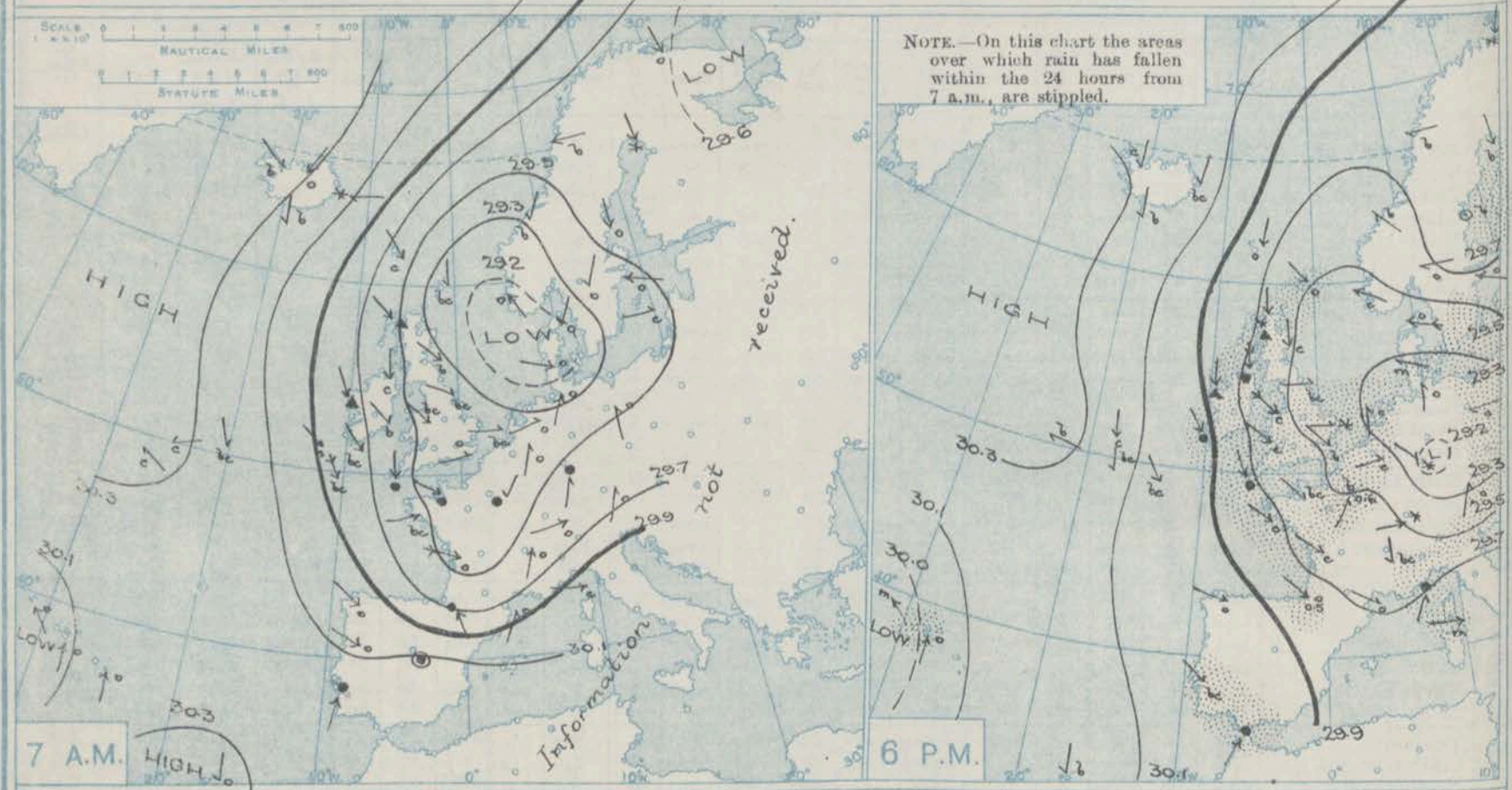
Monday,
29th December, 1913.

STATIONS.	YESTERDAY EVENING.					THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.					Sun- shine for Yester- day
	BAROM.		TEMP.		WIND.	BAROMETER.		TEMP.		WIND.	Force (0 to 12).	Weather.	Sea (0 to 9).	Rain fall.	TEMP.		WEATHER.				
	At 32° F. and M.S.L. Lat. 48°	Dry Bulb.	Force (0 to 12).	Dir.		At 32° F. and M.S.L. Lat. 45°	Change since 4 a.m.	Dry Bulb.	Change since Yester- day.						Dir.	Max.	Min.	Morning 7 a.m. to 1 p.m.	Afternoon 1 p.m. to 6 p.m.	Night 6 p.m. to 7 a.m.	
BRITISH ISLANDS.	Lerwick ...	29.48	32	NNW	5	c	29.78	+0.05	36	+4	NNW	5	c	4	0.28	37	30	cbs	bcpsq	cps	Hours
	Stornoway ...	29.71	33	N	7	cphsq	29.97	+0.05	33	-3	N	6	opsq	6	0.20	38	31	cphsq	ophsq	cpbq	0.1
	Castlebay (Barra Isd.)	29.70	37	N	5	cphsq	29.98	+0.03	37		N	4	cshp	5	0.08	41	34	hop	cphsq	shy. bq	0.0
	Glasgow ...	29.50	31	NNW	3	bcz	29.80	+0.06	33	+2	N	2	b	*	Trace	34	29	bbc	bc-c	bc. bl. b	2.3
	Malin Head...	29.64	37	N	8	rq	29.90	+0.05	41	+3	N	8	bc	7	0.21	42	30	bcqph	cmghr	bcq	*
	Blacksod Point ...	29.89	40	N	5	cqph	30.04	+0.03	41	+2	NNW	6	cpqh	4	0.15	42	35	cqph	cqph	cphq	*
	Valencia ...	29.93	43	NNW	6	cqh	30.05	+0.01	43	0	N	5	bcq	5	0.10	44	37	cqh	cqh	bcqh	1.4
	Roche's Point ...	29.83	39	NW	4	b	29.95		38	0	NW	4	b	3	0.03	40	36	cpq	bc-b	bx	*
	Birr Castle ...	29.80	33	WNW	2	c	29.95		32	0	WNW	1	bc	*	0.13	35	31	cp	cp	bcx	0.4
	Donaghadee ...	29.62	40	N	5	cq	29.83	+0.04	39	+5	N	6	bcq	5	0.08	41	34	cph	cph	cqtl	*
	Liverpool Obsy. ...	29.50	37	NW	5	c	29.66	+0.04	35	0	NNW	5	bc	4	0.05	41	32	bcq	ctf	oq	3.6
	Holyhead ...	29.60	41	NW	8	cqg	29.76	+0.03	40	-1	N	8	cq	8	0.09	43	35	bc-c	c-cph	ol. cpq	1.0
	Pembroke (St. Ann's Hd.)	29.66	40	NNW	6	c	29.72	0.00	35	-6	NNW	6	cghsq	5	0.27	43	34	cq	bcq	cqtl	2.4
	Newquay ...	29.65	42	NW	7	opq	29.71	+0.03	38		N	7	eq	7	0.26	43	37	bcq	bcq	ophq	2.1
	ICELAND, FAEROE, &c.	Scilly (St. Mary's) ...	29.74	43	NNW	7	cqph	29.79	0.00	43	+2	N	8	cphq	7	0.06	46	39	cqph	cqph	cq. l. v	3.2
Jersey (St. Aubin) ...		29.61	43	NW	3	bc	29.57		38	-6	NW	4	agmpd	4	0.01	45	35	cph. c	bc	agmpd	2.4
Portland Bill ...		29.58	40	NNW	4	c	29.60	+0.03	35	-7	NNW	5	b	3	Trace	42	33	bc-c	c	cp. bc	
Dungeness ...		29.47	32	NNW	1	bm	29.50	0.00	28	-3	NW	2	bcx	1		39	27	bc-b	c-bx	bm. bcx	
Dover ...		29.51	33	NW	4	bx	29.50		30	-6	NNW	3	cs	2	Trace	38	28	c-bc-b	bzx	bx. cs	2.7
Wick ...		29.50	34	NW	6	c	29.80	+0.06	35	0	NNW	7	cq	6	0.41	38	32	cpq	cpq	cpq	*
Nairn ...		29.57	34	N	3	b	29.85		36	+4	NNW	4	cq	4	0.09	36	29	cpq	bcsp	cq	0.0
Aberdeen ...		29.42	32	N	5	c	29.72	+0.04	35	+2	N	5	o	3	0.19	35	31	bcspq	cpq	asp	0.2
Leith ...		29.47	35	WNW	4	bc	29.74	+0.07	36	+4	WNW	3	bc	*		37	31	b. bc	o. bc	bc. b	*
North Shields ...		29.40	32	W	2	bc	29.60	+0.05	39	+3	NNE	5	r	4	0.14	39	29	bc	bc. sp. bc	rs. c	5.7
Spurn Head ...		29.3	36	NW	5	bc	29.45	0.00	36	-1	N	4	bc	4	0.03	38	30	bc	bc	bcq. l	3.8
Yarmouth ...		29.38	34	W	1	ms	29.44	0.00	30	-4	W	2	bcx	1	0.06	37	27	bc	bc	bc. l	3.7
Clacton-on-Sea ...		29.42	33	WNW	2	bc	29.47	0.00	31	-3	WNW	2	cx	1		37	29	og. bc	bc	bc. cx	3.8
Nottingham...		29.47	33	WSW	2	b	29.51		35	+4	N	5	s	*	0.02	38	27	bc	c. bc	b	2.4
Bath ...		29.57	36	NW	2	bc	29.62		34	+2	NNW	2	o	*	0.01	42	30	b. op. bc	bc. c.	p. bc. s.	2.2
London (Kew Obsy.)...	29.51	34	NW	1	bx	29.52	0.00	32	-3	NW	2	ox	*		37	31	bc. bc.	bc. bc.	bc. bc.	1.3	
SCANDINAVIA.	Spitzbergen ...	30.11	-1	SE	2	o	29.97	-0.02	4	-9	NE	3	s	*	0	-20					
	Isafjord...	30.27	21	N	2	c	30.17	-0.04	26	+6		0	o	*							
	Reykjavik ...	30.35	17		0	b	30.26	-0.04	20	+1		0	bc	*							
	Vestmanna ...	30.25	24	N	2	b	30.21	-0.04	25	0		0	b	0							
	Seydisfjord ...	30.25	28	NNE	1	bc	30.21	-0.01	23	-9		0	c	*							
	Thorshavn ...	29.80	35	NNE	5	o	30.05	+0.05	31	-3	NNW	4	c	*							
GERMANY, &c.	Haparanda ...	29.74	2	N	4	b	29.87	+0.05	-5	-6	NNW	2	b	*	0.04	9	-6				
	Hernösand ...	29.86	-7		0	b	29.97	+0.03	3	-8		0	c	*	0.12	10	-8				
	Stockholm ...	29.69	22	SE	6	o	29.76	+0.01	16	-8	NE	2	o	*		25	16				
	Wisby ...	29.50	24	ESE	6	s	29.60	+0.06	23	-5	NE	4	o	*	0.20	28	23				
	Karlstad ...	29.64	22	E	2	o	29.88	+0.02	16	-7	NE	2	o	*	Trace	25	14				
	Vardö ...	29.64	23	NE	4	s	29.72	+0.02	21	-4	N	6	bc	3		25	21				
FRANCE.	Bodö ...	29.84	13	E	2	b	29.90	+0.01	16	+9	E	2	c	2		16	7				
	Christiansund ...	29.57	27	SE	1	b	29.81	+0.06	26	-2		0	b	3		28	25				
	Skudesnaes ...	29.47	33	SE	4	c	29.78	+0.04	30	-5	E	4	c	2		36	28				
	Færder (Xianla Fjord) ...	29.52	28	ENE	6	o	29.83	+0.06	21	-9	NE	6	o	2		30	19				
	The Scaw (Skagen)...	29.40	41	ESE	8	o	29.62	+0.05	28	-6	E	8	o	3		36	27				
	Blaavands Huk ...	29.28	31	ESE	1	m	29.49	+0.07	30	-8	NE	4	o	2	0.08	48	28				
SPAIN, PORTUGAL, &c.	Cuxhaven ...	29.23	35	S	1	o	29.38	+0.02	35	0	N	1	o	0		37	34				
	Berlin ...	29.25	36	E	2	o	29.34	+0.04	34	-1	W	2	o	*	0.39	39	32				
	Frankfurt ...	29.12	32	NW	1	s								*							
	Munich ...	29.28	37	SW	3	o	29.49	-0.01	32	-6	SW	4	s	*	Trace	43	30				
	The Helder ...	29.27	35	S	1	c	29.39	+0.01	37	-4	NW	1	c	3	0.47	43	34				
	Brussels ...	29.42	33	WNW	3	c	29.46	+0.02	28	-9	SW	1	b	*	0.20	37	27				
PORTUGAL, &c.	C. Gris Nez...	29.45	37	NW	5	b	29.49	+0.01	34	-7	NNW	5	s	4		43	34				
	La Hève ...	29.50	37	NNW	5	o	29.52		36	-4	N	4	c	5	0.04	43	34				
	Ushant...	29.72	45	N	7	c	29.69		41	-9	N	9	o	8	0.24	50	41				
	Brest (St. Mathieu) ...	29.74	41	NW	6	c	29.74	0.00	41	0	NNW	7	o	6	0.32	48	37				
	Lorient (Bee Melen)...													*							
	Rochefort (Ile d' Aix) ...	29.66	44	NW	5	c	29.65	-0.01	40	-8	NW	5	c	*	0.24	41	39				
PORTUGAL, &c.	Biarritz ...	29.77	43	NW	4	o	29.71	-0.02	45	-5	NNW	5	o	5	0.51	50	41				
	Paris ...	29.53	33	WNW	3	b	29.51	-0.02	30	-7	SSW	1	o	*	0.59	37	28				
	Belfort ...	29.35	34	WNW	7	s	29.50		30	-13	W	2	o	*	0.04	44	30				
	Lyons ...	29.64	38	N	1	bc	29.58		32	-12	NW	2	o	*	0.04	47	31				
	Nice ...	29.51	44	SW	2	r	29.62	-0.08	40	+1	ME	1	b	1	0.12	50	37				
	Perpignan ...	29.68	46	WNW	3	o	29.58	0.00	39	+2	NW	4	c	*		47	38				
PORTUGAL, &c.	Sanguinaire...	29.96	56	W	5	m	29.84		50		W	6	o	6	0.28	59	41				
	Corunna (8 a.m.) ...	29.99	51	WNW	6	o	30.12	0.00	47	-1	NW	6	o	8		54	45				
	Lisbon (9 a.m.) ...	30.08	51	NW	4	bc	30.14	+0.03	46	-9	NW	3	b	6	0.08	59	43				
	Gibraltar ...	30.00	56	SW	7	r	29.99		47		NW	4	bc	3	0.35	59	47				
	Azores (Horta, 8 a.m.)	30.05	*	S	4	o	29.94	-0.02	64	0	S	5	o	5	0.04	66	64				
	Madeira (Funchal) ...	30.29	59	N	1	b	30.25	+0.01	56	-3	N	1	bc	1		66	55				

* Information for these columns not usually received.

† Received too late for insertion in Charts.

BAROMETER, WIND AND WEATHER FOR 7 A.M. AND 6 P.M. 28th DECEMBER.



GENERAL INFERENCE

The depression over Germany will travel away to the eastward or south-eastward, but small secondary disturbances will pass from north to south across

WEATHER PROSPECTS.

the United Kingdom, and occasion snow or sleet showers in all districts. Temperature will remain below the normal.

FORECASTS FOR THE 24 HOURS NOON MONDAY TO NOON TUESDAY.

- 0 { a
b
- 1
- 2 { a
b
- 3
- 4 { a
b
- 5

Northerly winds, fresh or strong in places at first, but tending to moderate later; cold; changeable, some hail, sleet or snow showers, fine intervals.

FORECAST DISTRICTS.

STORM WARNINGS.
The Coasts upon which the Warning Signals are at present displayed are indicated thus:—

Signals hoisted yesterday.	Signals hoisted this morning
South Cone. ⚡	South Cone. ⚡
North Cone. ⚡	North Cone. ⚡

North Cone hoisted at 9 a.m. yesterday in Districts 0 and 1.

- 6 { a
b
- 7 { a
b
- 8 { a
b
- 9 { a
b
- 10 { a
b

Same as Nos. 0 to 5.

11 WESTERN CHANNEL AND BAY.

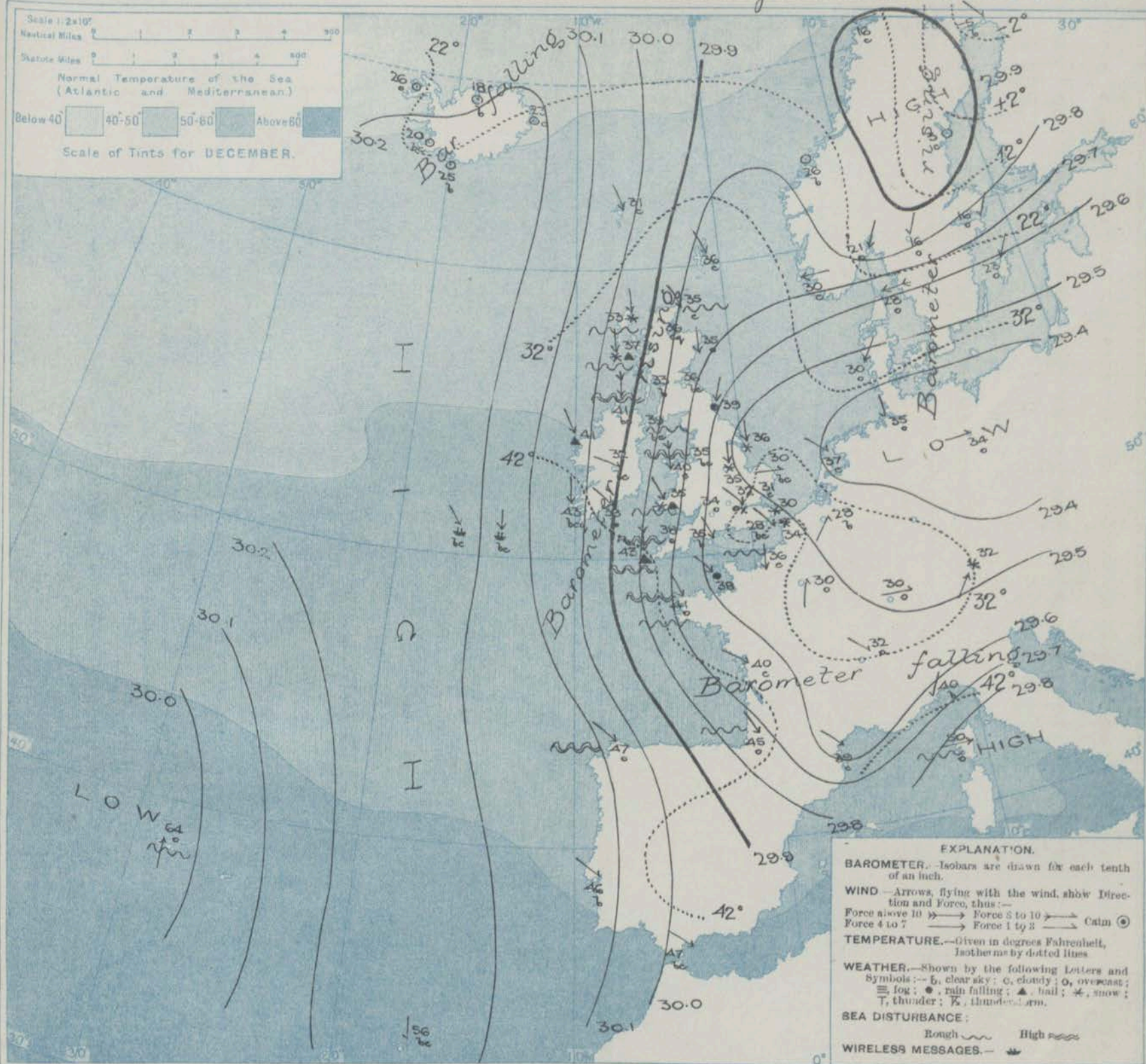
Strong winds and gales from the Northward, with a high sea; squally, unsettled, some hail or snow showers.

THE FURTHER OUTLOOK.

(All Districts.)

Cold weather is likely to continue.

SYNOPTIC CHART FOR 7 A.M. *Monday, 29th* DECEMBER 1913.



NOTES ON THE GENERAL SITUATION AT 7 A.M.

A large anticyclone lies over the north-eastern portion of the Atlantic. A depression of moderate intensity is passing south-eastward across Germany, and small secondary systems are found over various parts of the United Kingdom and the North Sea.

The wind circulates round the Continental low pressure system, and is fresh to strong in force in many places. In Denmark and the south of Scandinavia it is Easterly or North-Easterly, but over the United Kingdom and the north and west of France it is Northerly or North-Easterly. Temperature has risen slightly over the

northern parts of the United Kingdom, but fallen elsewhere. On our extreme west and south-west coasts the thermometer is above 40°, but over the south-eastern quarter of England it is slightly below the freezing point. Sharp frost prevails over a large portion of the Continent. The weather is in a very changeable condition generally. Showers of hail, snow or sleet are falling in many parts of the British Isles, as well as in South Germany. The sea is high or rough on all but our east coasts.

DAILY WEATHER REPORT.

Monday, 29th December, 1913.

OBSERVATIONS from the ATLANTIC OCEAN received by RADIOTELEGRAPHY.

DATE AND HOUR.	POSITION.		NAME OF SHIP.	Outward. Inward.	BAROMETER.		WIND.		WEATHER.	DATE AND HOUR.	POSITION.		NAME OF SHIP.	Outward. Inward.	BAROMETER.		WIND.		WEATHER.
	Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.			Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.	
29th Jan	51	16	Carmania	O	30.23	+0.6	NNW	4-5	bc	28th 6pm	49	15	Marquette	O	30.17	+1.0	NNW	6-7	bc
29th 5pm	51	13	Dominion	H	?	?	N	4-5	bc	29th 7am	49	27	Cymric	H	30.34	00	ESE	1-3	bc
28th 6pm	50	23	Cymric	H	30.35	+0.3	ESE	1-3	b	-	51	21	Dominion	H	30.14	-0.1	NNW	1-3	c
-	50	13	Lusitania	H	30.26	-0.3	N	1-3	bc	-	51	13	California	H	29.91	+0.1	NNW	4-7	c
-	51	13	Dominion	H	30.14	00	N	4-5	c	-	50	11	Lake Michigan	O	29.71	+0.3	NNW	10-11	b.

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.	Hr.	STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.	Hr.
			Max.	Min.	Forenoon.	Afternoon.						Max.	Min.	Forenoon.	Afternoon.		
Scot. land.	Oban	...	...	...	...	...	...	...	Margate	...	...	...	...	...	...	...	...
	St. Andrews	...	...	...	...	...	...	...		...	...	...	...	...	...	...	...
Eng. N.E.	Harrogate	...	...	...	...	...	...	...	Ramsgate	...	...	...	...	...	...	...	...
	Scarborough	...	...	...	...	...	...	...		...	...	...	...	...	...	...	...
Eng. N.W.	Blackpool	...	...	...	...	...	...	...	Folkestone	...	...	...	...	...	...	...	...
	Southport	...	...	...	...	...	...	...		...	...	...	...	...	...	...	...
Mid- lands.	Buxton	...	...	...	...	...	...	...	Hythe	...	...	...	...	...	...	...	...
	Leamington Spa	...	...	...	...	...	...	...		...	...	...	...	...	...	...	...
Wales.	Malvern	...	...	...	...	...	...	...	Littlestone	...	...	...	...	...	...	...	...
	Rhyl	...	...	...	...	...	...	...		...	...	...	...	...	...	...	...
England, E.	Colwyn Bay	...	...	...	...	...	...	...	Hastings	...	...	...	...	...	...	...	...
	Llandudno	...	...	...	...	...	...	...		...	...	...	...	...	...	...	...
England, S.W.	Bettws-y-Coed	...	...	...	...	...	...	...	Bexhill-on-Sea	...	...	...	...	...	...	...	...
	Aberystwyth	...	...	...	...	...	...	...		...	...	...	...	...	...	...	...
England, S.E.	Tenby	...	...	...	...	...	...	...	Eastbourne	...	...	...	...	...	...	...	...
	Lowestoft	...	...	...	...	...	...	...		...	...	...	...	...	...	...	...
England, S.E.	Felixstowe	...	...	...	...	...	...	...	Seaford	...	...	...	...	...	...	...	...
	Walton-on-Naze	...	...	...	...	...	...	...		...	...	...	...	...	...	...	...
England, S.E.	Southend-on-Sea	...	...	...	...	...	...	...	Brighton	...	...	...	...	...	...	...	...
	

LONDON OBSERVATIONS.

Additional Observations for Yesterday.

STATIONS.	HUMIDITY.		Sun- shine for Yesterday.	TEMPERATURE.		Rain- fall.	WEATHER.			STATIONS.	Rain- fall.	TEMPERATURE.		WEATHER.			Sun- shine for Yesterday.
	3 p.m. Yesterday.	9 a.m. Today.		In Screen.	Min. on Grass.		Fore- noon.	After- noon.	Night.			In Screen.	Night Min. on Grass.	Night.	Fore- noon.	After- noon.	
Greenwich (Royal Obs.)	76	82	0.2	28	21	23	b	bc	0.5.x	Dublin to 4 p.m.	0.01	36	33	31	bc	c.b	cps
City (Basil Row)	...	...	...	...	...	...	...	...	...	Plymouth to 9 p.m.	...	...	...	...	...	...	...
Westminster (St. James's Pl.)	86	87	0.8	28	21	27	bm.b	bm	mx.m	Darwen	...	...	...	...	...	...	...
Camden Sq. (Brit. Rainfall)	...	95	1.4	37	30	25	...	...	...	Manchester	...	...	...	...	...	...	...
Hampstead (Reservoir)	...	90	1.8	37	28	16	bc	bc	oxs.bx	Birmingham	0.08	38	30	23	...	o.c	c.b
Richmond Park	...	...	...	...	...	...	...	...	...	Oxford to 8 p.m.	...	39	31	23	bm.b	bx.c.o.	chp
Kew. (See front page.)	...	...	...	...	...	...	...	...	...	S. Kensington	...	40	33	23	b	b.bc	c.o.b
S. Kensington (Roof of M.O.)	...	73	0.6	151	Joules.	5.4	Milliwatts.	15.0	Milliwatts.	(Museum Grounds to 6 p.m.)	...	...	...	...	...	...	...

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM TO-DAY AND TO-MORROW

29th Dec. 1913.	Sunrise.	Noon.	Sunset.
G.M.T.	G.M.T.	G.M.T.	
Yarmouth	8.0	11.55	3.45
Greenwich	8.6	11.56	3.46
Wick	8.8	12.2	3.57
Valencia	8.8	12.3	3.58
	9.5	12.4	3.23
	9.5	12.45	3.24
	8.9	12.43	4.36
	8.51	12.44	4.37

Over a large portion of the United Kingdom the thermometer yesterday failed to reach 40° sharp frost occurred in many districts at night; at Kew, Greenwich and Nottingham the thermometer on the grass fell to 23°, and at Hampstead to 16°. Showers of snow, hail or sleet fell very generally. Thunder storms occurred at Donaghadee and Pembroke, and lightning was seen in several parts of England. Wireless reports show that between the Irish coasts and the 15th meridian light breezes from between North and East were recorded; the weather was fair generally.

NOTE.—The information relating to weather is indicated by the following letters—b. blue sky; bc. sky half clouded; c. sky three parts clouded; d. drizzling rain; e. wet air, without rain falling; f. fog; g. gloom; h. hail; i. lightning; m. mist; o. overcast sky; p. passing showers; q. squalls; r. rain; s. snow; t. thunder; u. ugly, threatening sky; v. visibility, unusual transparency; w. dew; x. hoar frost; z. dust-haze, or smoke.

The Daily Weather Report is sent free by post to any address in the United Kingdom on payment of £1 per annum, for postage and wrappers.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

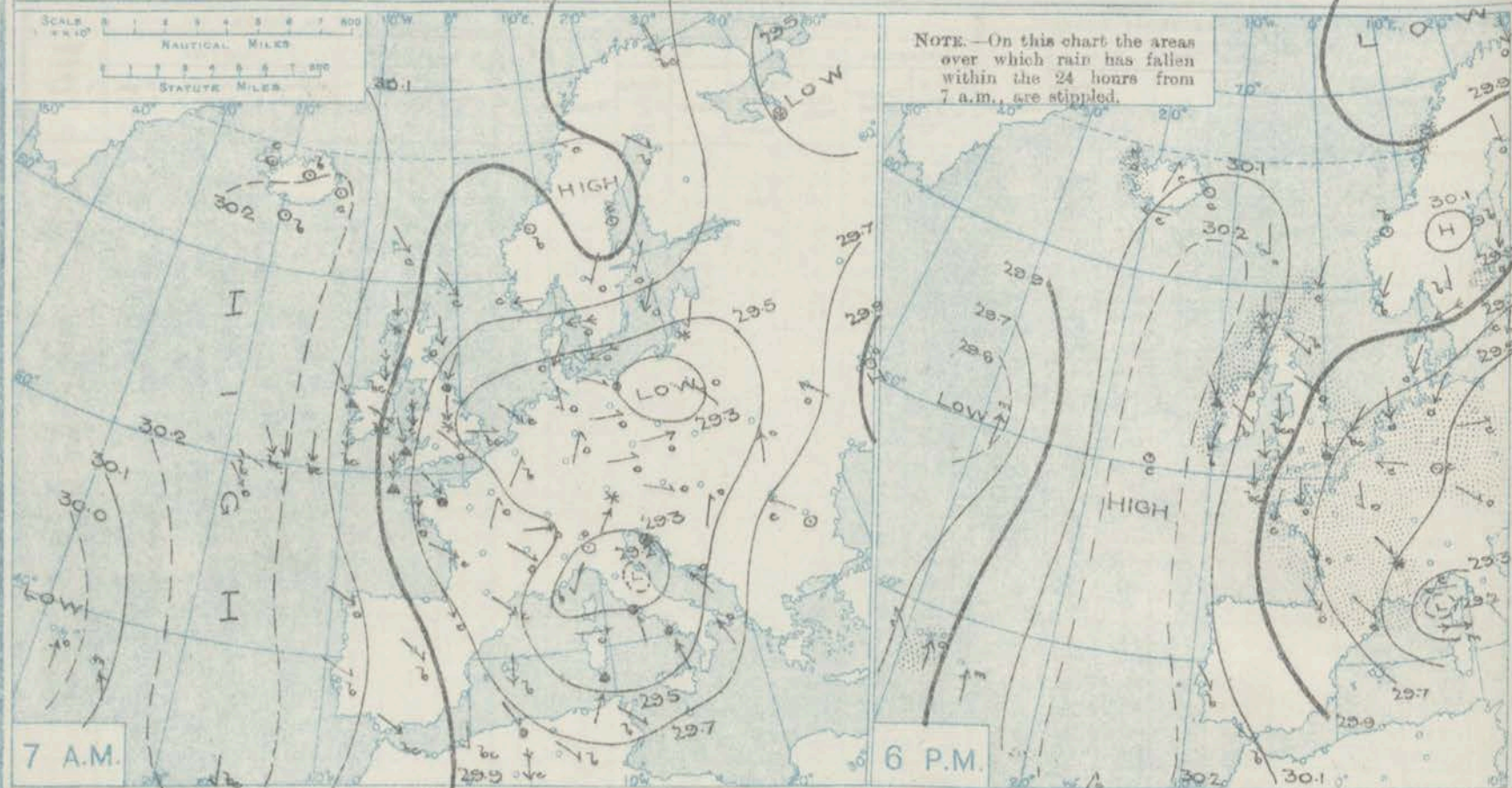
Tuesday,
30th December, 1913.

STATIONS.		YESTERDAY EVENING.					THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.							Sun- shine for Yester- day.
		BAROM.		TEMP.		WIND.	BAROMETER.		TEMP.		WIND.	Force (0 to 12).	Weather.	Sea (0 to 9).	Rain- fall.	TEMP.		WEATHER.						
		At 32° F. and M.S.L. Lat. 45°.	Dry Bulb.	Force (0 to 12).	Dir.		Force (0 to 12).	Change since 4 a.m.	Dry Bulb.	Change since Yester- day.						Dir.	Force (0 to 12).	Weather.	Max.	Min.	Morning 7 a.m. to 1 p.m.	Afternoon 1 p.m. to 6 p.m.	Night 6 p.m. to 7 a.m.	
BRITISH ISLANDS.	Lerwick ...	30.00	34	N	4	c	30.19	+0.3	37	+1	E	4	c	4	0.20	38	32	bc	cbs	cbs	1.9			
	Stornoway ...	30.13	36	NNW	5	beps	30.26	+0.3	33	0	N	3	b	3	0.22	36	29	bepsq	bepsq	bepsq	2.0			
	Castlebay (Barra Ind.)	30.12	37	N	3	beps	30.27	+0.3	36	-1	N	2	b	3	0.05	38	34	bepsq	bepsq	bepsq	5.3			
	Glasgow ...	30.01	33	N	1	b	30.21	+0.5	31	-2	N	0	b	4	0.01	41	32	b	b	b	4.1			
	Malin Head...	30.08	38	NE	8	o	30.23	+0.5	40	-1	NNE	2	c	4	0.01	41	32	b	b	b	4.1			
	Blacksod Point ...	30.15	41	NNW	3	cgph	30.25	+0.3	38	-3	NNW	2	bc	2	0.06	43	35	bc	bc	bc	4.1			
	Valencia ...	30.16	40	NNE	4	b	30.26	+0.3	35	-8	ENE	2	bx	4	0.08	45	33	b	b	b	4.1			
	Roche's Point ...	30.09	39	NW	3	b	30.22	0	35	-3	NNW	2	b	2	0.01	41	33	b	b	b	4.1			
	Birr Castle ...	30.11	32	NW	1	b	30.25	0	23	-9	NW	1	b	4	0.01	39	22	bc	bc	bc	4.1			
	Donaghadee ...	30.02	40	N	5	bcq	30.21	+0.3	39	0	N	4	bcq	4	0.01	41	38	bcq	bcq	bcq	4.1			
	Liverpool Obsy. ...	29.91	35	N	3	bc	30.15	+0.6	31	-4	N	1	b	2	Trace	39	39	bc	bc	bc	4.1			
	Holyhead ...	29.96	40	N	7	bcq	30.15	+0.6	39	-1	N	4	bc	3	0.01	42	38	bcq	bcq	bcq	4.1			
	Pembroke (St. Ann's Hd.)	29.91	40	N	5	b	30.12	+0.4	35	0	NNE	2	b	2	0.22	42	34	cgphs	cgphs	cgphs	4.1			
	Newquay ...	29.87	42	N	7	bcq	30.07	+0.5	39	+1	N	5	bcq	5	0.27	43	37	cgphs	cgphs	cgphs	4.1			
	Scilly (St. Mary's) ...	29.93	43	N	6	bcq	30.09	+0.2	39	-4	NNE	5	cgphs	6	0.05	44	36	bcq	bcq	cgphs	4.1			
	Jersey (St. Aubin) ...	29.73	41	N	4	og	29.98	0	38	0	N	3	og	3	0.13	45	36	cgphs	cgphs	cgphs	4.1			
Portland Bill ...	29.77	39	NNW	5	bc	30.01	+0.6	34	-1	N	4	bc	3	0.01	40	33	bcq	bcq	bcq	4.1				
Dungeness ...	29.63	35	NNW	3	og	29.89	+0.5	31	+3	NNW	3	bx	2	0.20	35	26	c.o	oprs	rsq, bx	4.1				
Dover ...	29.63	35	N	5	bcq	29.89	0	31	+1	NE	6	os	4	0.40	36	27	os, bc	os	os	4.1				
ICELAND, FAEROE, &c.	Wick ...	30.01	38	NNW	4	bc	30.21	+0.3	37	+2	NNW	3	bc	3	Trace	38	28	cg, bcq	bcq	bcq	4.1			
	Nairn ...	30.05	33	NNW	2	bc	30.24	0	30	-6	N	0	cu	1	Trace	36	27	u, bc	bc	bc	4.1			
	Aberdeen ...	29.98	31	NW	3	b	30.19	+0.4	28	-7	NW	3	b	2	0.02	35	27	bcq	bcq	bcq	4.1			
	Leith ...	29.96	36	NW	2	b	30.18	+0.5	35	-1	NW	2	b	3	0.35	39	31	asp	asp	asp	4.1			
	North Shields ...	29.88	32	NW	3	o	30.12	+0.2	33	-6	NW	3	o	3	0.10	39	35	cgphs	cgphs	cgphs	4.1			
	Spurn Head ...	29.80	38	ENE	5	c	30.01	0.0	37	+1	NE	5	cgphs	5	0.10	39	35	cgphs	cgphs	cgphs	4.1			
	Yarmouth ...	29.69	39	NE	5	bc	29.93	+0.4	36	+6	NE	5	bcq	4	0.11	40	27	c	ch	bcqhs	4.1			
	Clacton-on-Sea ...	29.65	36	NNW	3	og	29.91	+0.3	32	+1	NNW	4	bc	2	0.04	36	29	ops	ogpr	ogpr, bc	4.1			
	Nottingham ...	29.82	35	N	5	o	30.08	0	30	-5	N	3	b	0	0.14	36	29	ops	ops	ops	4.1			
	Bath ...	29.81	37	N	4	o	30.09	0	33	-1	NE	3	b	0	0.03	39	33	ops, bc	bc, o	ops, bc	4.1			
	London (Kew Obsy.) ...	29.74	36	N	3	or	30.01	+0.5	31	-1	N	2	bx	0	0.01	36	31	ops, bc	ops, bc	ops, bc	4.1			
	SCANDINAVIA.	Spitzbergen ...	29.88	1	N	0	5	29.76	-0.4	0	-4	N	0	bc	0	0	4	-9						
		Isafjord ...	29.92	29	SE	7	o	29.77	-1.3	41	+15	SW	8	Y	0	0	0	0						
		Reykjavik ...	30.06	31	S	2	o	29.68	-0.7	39	+19	S	4	Y	0	0	0	0						
		Vestmanna ...	30.12	33	E	6	c	29.82	-0.7	41	+16	SSE	7	o	1	0	0	0						
		Seydisfjord ...	30.13	24	N	0	c	29.80	-0.6	37	+14	N	0	o	0	0	0	0						
Thorshavn ...		30.19	31	N	3	o	30.22	-0.1	27	-4	N	0	b	0	0	0	0							
GERMANY, &c.	Haparanda ...	30.05	-2	N	2	o	30.15	+0.4	-9	-4	N	2	o	0	0	19	-11							
	Hernösand ...	30.10	-8	N	0	b	30.17	+0.1	-8	-11	N	2	b	0	0	3	-9							
	Stockholm ...	29.91	20	NNE	6	o	30.00	+0.4	16	0	NNE	6	c	0	0.04	21	-4							
	Wishy ...	29.67	25	NNE	6	c	29.75	+0.4	26	+3	NE	6	bc	0	0	30	23							
	Karlstad ...	30.01	7	N	2	b	30.13	+0.8	11	-5	N	2	o	0	0	16	5							
	Vardö ...	29.84	21	N	6	o	29.55	0.0	21	0	NE	4	o	3	0	21	18							
FRANCE.	Bodö ...	29.89	28	SW	8	5	29.99	+0.1	27	+11	E	5	5	2	0	28	14							
	Christiansund ...	30.04	24	N	0	b	30.19	+0.2	24	-2	N	0	b	3	0	26	25							
	Skudesnaes ...	29.99	26	NE	4	b	30.16	+0.4	26	-4	ENE	4	b	2	0	30	25							
	Færder (X'ianla Fjord) ...	29.99	21	NE	6	b	30.14	+0.4	23	+2	N	6	c	2	0	23	19							
	The Scaw (Skagen) ...	29.87	26	ENE	8	o	30.03	+0.6	26	-2	ENE	7	bc	2	0	34	23							
	Blaavands Huk ...	29.76	25	NE	5	o	29.94	+0.8	24	-6	NNE	5	b	4	0	30	21							
SPAIN, PORTUGAL, &c.	Cuxhaven ...	29.58	31	NE	4	o	29.77	+0.4	30	-5	NNE	5	o	3	0.08	26	28							
	Berlin ...	29.43	34	W	3	c	29.44	+0.1	32	-2	N	3	o	0	0.12	34	32							
	Frankfurt ...	29.52	30	N	0	c	29.63	+0.5	30	0	N	0	o	0	Trace	36	28							
	Munich ...	29.47	28	NW	2	o	29.57	+0.3	27	-5	W	3	5	0	0.08	32	27							
	The Helder ...	29.64	37	N	4	o	29.85	+0.6	34	-3	NNE	6	o	4	0.08	39	32							
	Brussels ...	29.60	33	ESE	2	c	29.76	+0.4	30	+2	NNW	2	5	0	0.04	26	26							
PORTUGAL, &c.	C. Gris Nez ...	29.61	36	NNE	5	r	29.84	+0.5	35	+1	N	8	c	7	0.39	37	39							
	La Hève ...	29.65	37	N	5	o	29.89	0	36	0	N	6	o	5	0.08	37	25							
	Ushant ...	29.85	33	NNW	7	o	29.99	0	34	+1	NNE	6	b	7	0.08	45	37							
	Brest (St. Mathieu) ...	29.86	44	NNE	7	c	30.05	+0.5	39	-2	NNE	4	bc	3	0.16	46	36							
	Lorient (Bec Meles) ...	29.88	39	NNW	5	o	29.89	+0.5	36	-4	NE	5	c	0	0.12	45	34							
	Biarritz ...	29.74	46	NNW	6	o	29.87	+0.2	35	-10	ENE	3	o	5	0.43	46	34							
PORTUGAL, &c.	Paris ...	29.63	31	N	1	o	29.81	+0.6	29	-1	NNW	2	o	0	Trace	35	28							
	Belfort ...	29.57	31	NW	1	5	29.72	0	26	-6	N	1	5	0	0.12	37	25							
	Nice ...	29.20	37	E	3	c	29.32	0.0	35	-5	E	3	c	3	Trace	46	32							
	Perpignan ...	29.56	39	NW	3	c	29.71	+0.5	35	-4	NW	4	bc	8	0.04	44	32							
	Sanguinaire ...	29.72	46	W	8	bc	29.61	0	45	-5	W	7	m	8	0	52	41							
	Corunna (8 a.m.) ...	30.16	47	NNW	3	b	30.18	+0.2	45	-1	N	2	c	5	0	54	43							
PORTUGAL, &c.	Lisbon (9 a.m.) ...	30.10	49	NNW	3	b	30.10	0	44	-3	NW	4	bc	1	0	53	44							
	Gibraltar ...	29.82	0	S	5	o	29.65	-0.2	63	-1	S	5	o	4	0.24	64	63							
	Azores (Horta, 8 a.m.) ...	30.23	57	SW	1	b	30.17	+0.1	60	+4	SW	1	o	1	0	66	56							
	Madeira (Funchal) ...	30.23	57	SW	1	b	30.17	+0.1	60	+4	SW	1	o	1	0	66	56							

* Information for these columns not usually received.

† Received too late for insertion in *Chron.*

BAROMETER, WIND AND WEATHER FOR 7 A.M. AND 6 P.M. 29TH DECEMBER.



GENERAL INFERENCE.

The Atlantic high pressure system will continue to extend over the United Kingdom, and the weather will, therefore, remain generally fair, with sharp

WEATHER PROSPECTS.

frost to-night in all districts. In the extreme west and north the wind will become rather variable.

FORECASTS FOR THE 24 HOURS NOON

TUESDAY TO NOON WEDNESDAY.

0 {^a
^b } Light Northerly to variable breezes; fair generally; sharp frost to-night.

1 {
2 {^a
^b } Light Northerly breezes; fair generally; sharp frost to-night.

3 {
4 {^a
^b } Light or moderate Northerly and North-Easterly winds; fair generally; sharp frost to-night.

5 {

FORECAST DISTRICTS.



STORM WARNINGS.

The Coasts upon which the Warning Signals are at present displayed are indicated thus:—

Signals hoisted yesterday.

South Cone.

North Cone.

Signals hoisted this morning.

South Cone.

North Cone.

No WARNINGS ISSUED.

6 {^a
^b }

7 {^a
^b }

8 {^a
^b }

9 {^a
^b }

10 {^a
^b }

Same as No. 0.

Same as Nos. 1 and 2.

Same as Nos. 3 to 5.

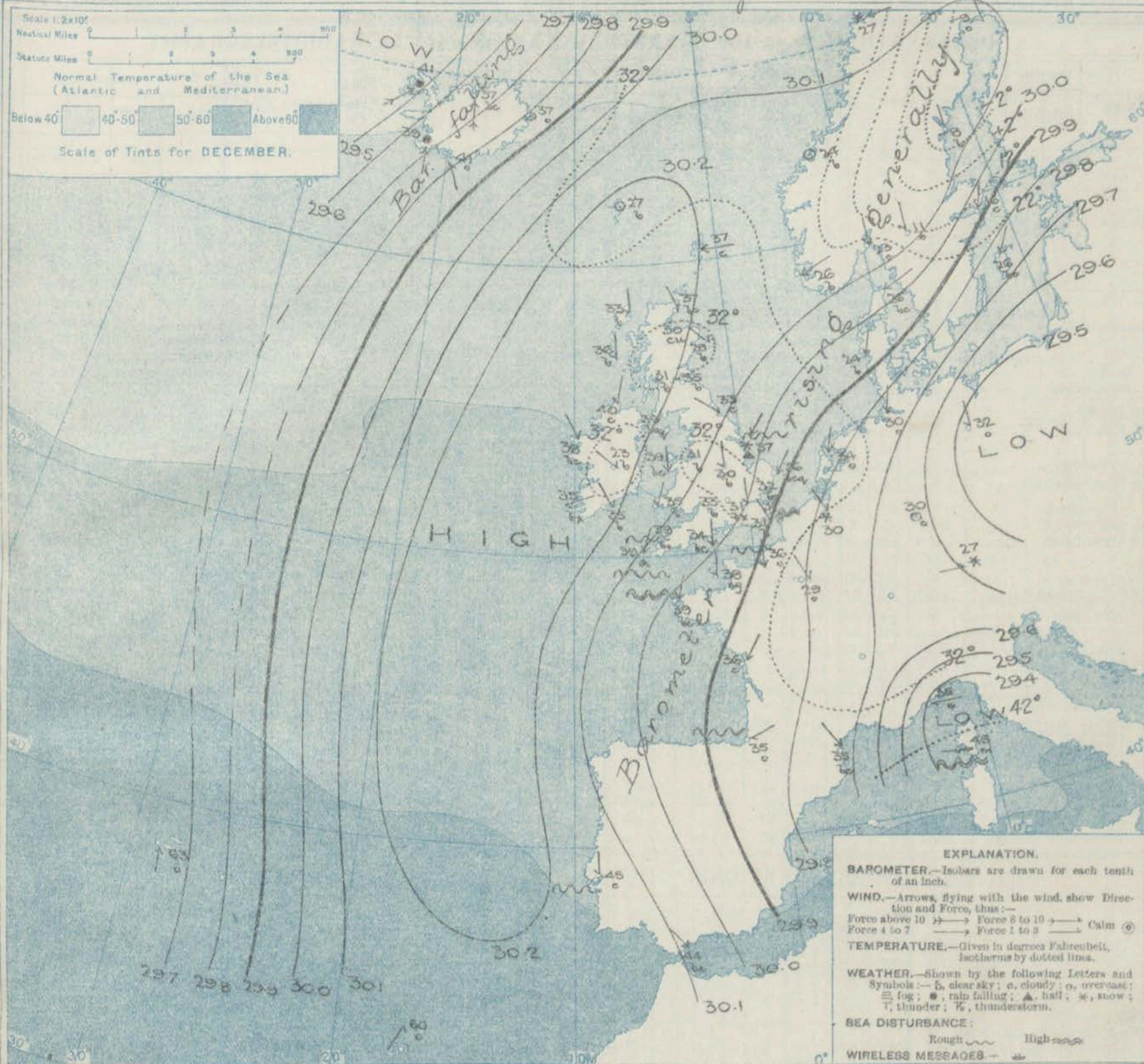
Same as No. 0.

11 WESTERN CHANNEL AND BAY.

Moderate or fresh Northerly and North-Easterly winds; sea rough at first, but moderating gradually later; fair; cold.

THE FURTHER OUTLOOK.

SYNOPTIC CHART FOR 7 A.M. Tuesday, 30th DECEMBER 1913.



NOTES ON THE GENERAL SITUATION AT 7 A.M.

A large anticyclone over Ireland, Scotland and the neighbouring portions of the Atlantic is extending eastwards, and the barometer is rising over Western Europe generally. The recent depression is passing away across Central Europe, but a new disturbance has appeared off the north-west of Iceland.

The wind is chiefly Northerly or North-Easterly, and is fresh or strong in force on the east and south-east coasts of England, as well as in many neighbouring Continental regions. In Iceland a gale from the Southward and South-Westward has set in. Temperature has fallen in most places, and

frost now prevails over a considerable portion of Western Europe. Over the Gulf of Bohnia the thermometer is nearly 10° below zero. The weather is fine over nearly the whole of the United Kingdom, and also in Scandinavia and Denmark. In France and Germany it remains cloudy and unsettled, with snow in several places. The sea is rather rough on the more exposed parts of the English coasts, and high off the north and west of France.

DAILY WEATHER REPORT.

Tuesday, 30th December, 1913.

OBSERVATIONS from the ATLANTIC OCEAN received by RADIOTELEGRAPHY.

DATE AND HOUR.	POSITION.		NAME OF SHIP.	Outward or Homeward.	BAROMETER.		WIND.		WEATHER.	DATE AND HOUR.	POSITION.		NAME OF SHIP.	Outward or Homeward.	BAROMETER.		WIND.		WEATHER.
	Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.			Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.	
29th, 6 p.m.	50	29	Corsican	H	29.55	+0.1	S	6-7	m	29th, 7 a.m.	50	19	Cymric	H	30.28	0.0	ESE	1-3	b
"	51	15	Cymric	H	30.26	0.0	"	0	c	"	49	19	Marquette	O	30.27	+0.2	WNW	4-5	o
"	51	10	Dominion	H	?	-0.3	M	1-3	c	"	50	15	Lake Michigan	O	30.20	0.0	N	4-5	b

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

STATIONS.	Rainfall.	TEMPERATURE.		WEATHER.		Sunshine to 6 p.m.	STATIONS.	Rainfall.	TEMPERATURE.		WEATHER.		Sunshine to 6 p.m.
		Max.	Min.	Forenoon.	Afternoon.				Max.	Min.	Forenoon.	Afternoon.	
Scot. land. (Oban ...)	In.	F.	F.	b.b.c.	b.c.b.	Hr.	(Margate ...)	In.	F.	F.	c.	c.r.h.	0.0
(St. Andrews ...)	-	39	27	"	"	3.7	(Ramsgate ...)	0.14	39	32	"	"	0.0
Eng. N.E. (Harrogate ...)	0.69	33	28	s.p.o.	o.s.	0.0	(Folkestone ...)	0.05	37	30	"	"	0.7
(Scarborough ...)	"	40	31	o.r.	o.c.	0.0	(Hythe ...)	0.25	36	29	x.o.s.	o.s.o.	0.7
(Morecambe ...)	"	37	?	b	b.c.	?	(Littlestone ...)	"	"	"	"	"	0.0
Eng. N.W. (Blackpool ...)	"	38	33	b	b	3.7	(Hastings ...)	"	36	28	o	o.b.c.	0.0
(Southport ...)	0.01	38	33	b	b	3.7	(Bexhill-on-Sea ...)	"	36	29	o	o	0.0
Mid. lands. (Buxton ...)	0.19	36	24	b.c.s.	b.c.s.	0.0	(Eastbourne ...)	"	36	30	o.c.	o.c.	0.0
(Leamington Spa ...)	"	35	26	o	o.	0.0	(Seaford ...)	"	36	28	o	o	0.0
(Malvern ...)	0.01	36	?	b.c.b.	b.c.o.	1.4	(Brighton ...)	"	36	30	o	o.c.	0.0
Wales. (Rhyl ...)	0.12	40	33	c.b.c.	b.c.c.	1.0	(Worthing ...)	"	37	29	o	o	0.1
(Colwyn Bay ...)	0.14	44	33	o	o	0.0	(Littlehampton ...)	0.01	"	"	"	"	0.4
(Llandudno ...)	0.19	40	34	o	o	0.0	(Southsea ...)	0.06	36	29	o.s.o.	o	0.0
(Bettws-y-Coed ...)	"	"	"	"	"	"	(Ryde ...)	0.02	37	34	o.s.	o	0.0
(Aberystwyth ...)	0.11	41	32	r.o.c.	c.b.c.	2.3	(Ventnor ...)	"	41	31	"	"	0.1
(Tenby ...)	0.12	42	31	b	b	6.0	(Bournemouth ...)	0.02	38	31	s.o.	c.o.	1.0
England, E. (Lowestoft ...)	0.25	40	26	o.p.s.c.	c.o.p.s.h.	0.4	(Weymouth ...)	"	38	31	b	b	5.2
(Felixstowe ...)	0.08	36	28	c.m.o.s.	c.m.o.p.	0.0	(Exmouth ...)	0.15	40	32	s.b.c.	c.b.	6.0
(Walton-on-Naze ...)	0.05	?	29	b.c.o.	c.m.s.r.	0.0	(Teignmouth ...)	0.13	40	33	b	b	6.5
(Southend-on-Sea ...)	"	35	29	b.c.	o	0.0	(Torquay ...)	0.08	41	33	b	b	6.2
							(Paignton ...)	0.10	41	33	s.b.	b	6.4
							(Falmouth ...)	0.47	40	33	o.h.	r.o.c.	0.7
							(Bude ...)	0.04	37	32	b.c.p.h.	b.c.p.h.	5.5
							(Ilfracombe ...)	0.10	42	35	b.c.	b.c.	1.5
							(Weston-super-Mare ...)	0.06	40	32	c.b.	b.b.c.	5.0

LONDON OBSERVATIONS.

Additional Observations for Yesterday.

STATIONS.	HUMIDITY.		Sun- shine for Yester- day.	TEMPERATURE.			Rain- fall.	WEATHER.			STATIONS.	RAIN- FALL.	TEMPERATURE.			WEATHER.			Sun- shine for Yester- day.	
	3 p.m. Yester- day.	9 a.m. To- day.		In Screen.		Min. on Grass.		Fore- noon.	After- noon.	Night.			In Screen.	Night Min. on Grass.	Night.	Fore- noon.	After- noon.			
				Max.	Min.													Max.		Min.
Greenwich (Royal Obs.) ...	85	76	0.0	F.°	F.°	F.°	In.	sp.o	o	o.bx	Dublin to 4 p.m.	0.01	F.°	F.°	F.°	ps.bc	bx	b	*	
City (Banhill Row) ...	*	*	0.0	*	*	*	*	*	*	*	Plymouth to 9 p.m.	0.04	41	34	31	b	b.cq	b.cq	6.3	
Westminster (St. James's Pk.)	89	86	0.0	38	32	29	0.01	m.c	c	cr.b	Darwen "	"	"	"	"	"	"	"	"	
Camden Sq. (Brit. Rainfall)	95	82	0.0	36	30	24	-	o.c.	o	*	Manchester "	"	"	"	"	"	"	"	"	
Hampstead (Reservoir) ...	*	86	0.2	34	28	16	-	o.c.s.	c.bx	bx.b.	Birmingham "	0.02	34	29	20	*	o	o.s.c.b	0.1	
Richmond Park ...	*	*	0.0	VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETER DURING YESTERDAY.							Oxford to 8 p.m.	"	35	30	26	ps.h.b	ogps	ogps	*	
Kew. (See front page.)				Total.		Average Rate.		Max. Rate.		S. Kensington (Museum Grounds to 6 p.m.)										
S. Kensington (Roof of M.O.)	90	83	0.0	82 Joules.		2.9 Milliwatts.		10.0 Milliwatts.		Trace		37	30	20	o.s.p.o	o.p.o.	o.o.s	*		

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM TO-DAY AND TO-MORROW

30th & 31st Dec., 1913.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth ...	8.6	11.56	3.46
	8.6	11.56	3.46
Greenwich ...	8.8	12.3	3.58
	8.8	12.3	3.58
Wick ...	9.5	12.15	3.24
	9.5	12.15	3.25
Valencia ...	8.51	12.44	4.37
	8.51	12.44	4.37

NOTES ON YESTERDAY'S WEATHER.

Over the major part of the United Kingdom the thermometer failed to reach 40°. Sharp frost occurred very generally at night; on the surface of the grass the thermometer fell to 16° at Hampstead, 23° at Greenwich, and 24° at Kew Observatory and Nottingham. Considerable amounts of bright sunshine were recorded in the west and north. Showers of snow or hail fell generally, a thunderstorm occurred at Dover and Newquay and lightning was seen at several places in the west. Wireless reports show that between the Irish coasts and the 20th meridian ships experienced moderate to fresh northerly winds, but that further to the westward the wind was strong or high from South; the weather was fair generally.

Notes.—The information relating to weather is indicated by the following letters—b. blue sky; bc. sky half clouded; c. sky three parts clouded; d. drizzling rain; e. wet air, without rain falling; f. fog; g. gloom; h. hail; l. lightning; m. mist; o. overcast sky; p. passing showers; q. squalls; r. rain; s. snow; t. thunder; u. ugly, threatening sky; v. visibility, unusual transparency; w. dew; x. hoar frost; z. dust-haze, or smoke.

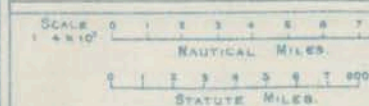
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DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

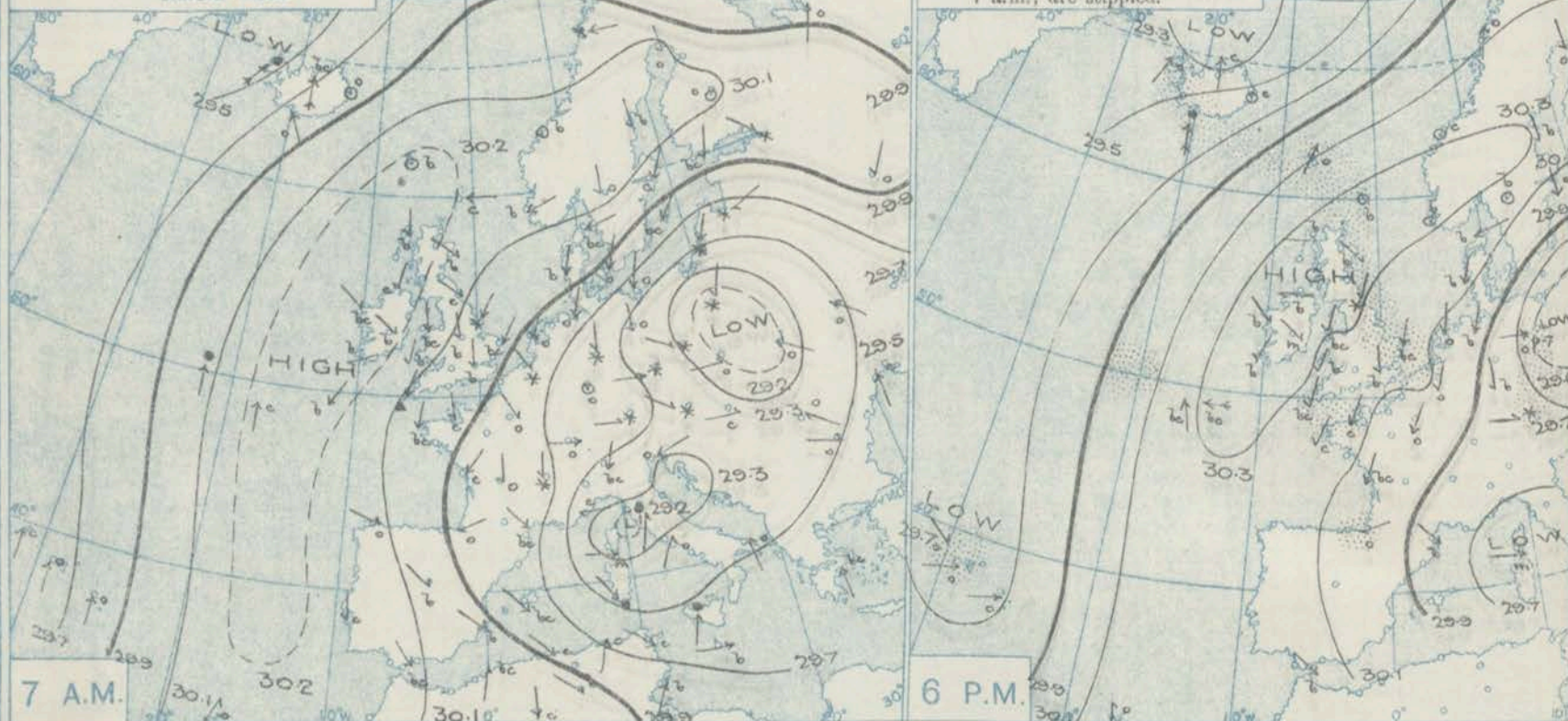
Wednesday,
31st December, 1913.

STATIONS.		YESTERDAY EVENING.					THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.						Sun- shine for Yester- day.
		BAROM.		TEMP.		WIND.	BAROMETER.		TEMP.		WIND.		Sea (0 to 9).	Rain fall.	TEMP.		WEATHER.						
		At 32° F. and M.S.L. Lat. 45°	Dry Bulb.	Force (0 to 12).	Weather		At 32° F. and M.S.L. Lat. 45°	Change since 4 a.m.	Dry Bulb.	Change since Yester- day.	Dir.	Force (0 to 12).			Weather.	Max.	Min.	Morning. 7 a.m. to 1 p.m.	Afternoon 1 p.m. to 5 p.m.	Night. 5 p.m. to 7 a.m.			
		In.	F.				In.	In.	F.											Hours			
BRITISH ISLANDS.	Lerwick ...	30.31	34	-	0	bj	30.30	-0.02	40	+3	WSW	3	c	2	0.05	40	32	ops. bc	c. bj	bc. cp			
	Stornoway ...	30.37	29	W	1	b	30.39	-0.00	36	+3	W	2	b	2	-	39	28	b	b	b	3.4		
	Castlebay (Barra Isd.)	30.36	35	-	0	b	30.43	-0.00	43	+7	SW	3	c	4	-	44	35	b	b	bc	5.5		
	Glasgow ...	30.39	30	NNW	1	b	30.55	+0.04	23	-8	-	0	bj	*	-	36	22	b	b. bc. b	bf. b	4.7		
	Malin Head ...	30.36	38	E	3	b	30.48	+0.01	32	-8	SW	3	b	2	-	42	31	bco	bu	bx	*		
	Blackod Point ...	30.37	37	NNW	1	bm	30.46	+0.02	37	-1	-	0	bx	0	0.01	43	31	b	bm	b	*		
	Valencia ...	30.36	35	NE	1	b	30.50	+0.04	27	-8	ENE	1	bx	3	-	40	26	bu	bu	b	6.1		
	Roche's Point ...	30.36	34	NNE	2	b	30.52	*	30	-5	NNE	1	b	1	0.01	38	29	b	b	br	*		
	Birr Castle ...	30.39	26	NW	1	m	30.53	*	18	-5	NW	1	b	*	-	32	18	fx	fx	bx	3.7		
	Donaghadee ...	30.35	40	NNE	3	bc	30.52	+0.05	33	-6	W	3	b	3	-	41	32	bc	bc	bc. b	*		
	Liverpool Obsy. ...	30.38	31	N	2	b	30.56	+0.03	31	0	NNE	1	b	1	-	36	29	bm	bcm	bx	5.6		
	Holyhead ...	30.38	40	NNE	3	bc	30.53	+0.05	31	-8	E	2	b	1	-	41	31	bc. cd. c	c. bc. cy	b	3.6		
	Pembroke (St. Ann's Hd.)	30.30	35	NE	2	b	30.51	+0.06	31	-4	ENE	3	bx	1	0.01	40	30	b	bc	b	4.6		
	Newquay ...	30.25	36	SE	2	bc	30.51	+0.04	31	-8	NNE	1	bj	2	-	39	28	bu	bu	bx	6.5		
	Scilly (St. Mary's) ...	30.25	40	NNE	3	bc	30.47	+0.05	36	-3	E	4	b	4	0.12	44	33	cy	bc	bc. b	5.3		
	Jersey (St. Aubin) ...	30.15	39	NNE	5	c	30.38	*	38	0	NE	4	c	4	0.02	42	33	bbs. c	bc	bc. c	4.0		
	Portland Bill ...	30.23	35	N	4	b	30.45	+0.04	22	-2	NNE	4	b	3	-	37	31	bc	bc. b	b	*		
	Dungeness ...	30.10	33	NNW	5	osqx	30.40	+0.03	33	+2	NNE	4	bcx	4	0.20	38	28	egsae	egsae	osq	*		
	Dover ...	30.09	32	N	6	c	30.38	*	36	+5	NE	6	b	6	0.32	36	30	egsae	egsae	osq	0.5		
	Wick ...	30.35	31	W	2	c	30.41	-0.00	30	-7	WSW	3	bc	3	0.02	38	25	cpthq	c	c. bc	*		
	Nairn ...	30.40	28	W	1	om	30.46	*	28	-2	W	1	bc	1	-	32	21	b. bc	bc. c	c. bc	2.2		
	Aberdeen ...	30.39	29	NW	3	b	30.49	+0.01	21	-7	WNW	1	b	2	0.05	35	20	b. bc	b. bc. b	b	2.6		
	Leith ...	30.36	37	NW	2	b	30.51	+0.04	24	-11	SW	1	bcf	*	-	38	23	bc. b	bc	of. c	*		
	North Shields ...	30.20	32	N	2	esp	30.55	+0.02	25	-8	NW	3	bc	2	0.06	36	24	cs	cs	c. o. c	*		
	Spurn Head ...	30.21	37	NE	5	c	30.46	+0.04	35	-2	NE	3	bc	5	0.04	38	32	bcq	eq	cpq	2.9		
	Yarmouth ...	30.14	34	NNE	5	bcq	30.42	+0.06	38	+2	NNE	4	bc	3	0.24	39	32	os	ogsh	bc. b	0.0		
	Clacton-on-Sea ...	30.12	32	NNW	4	bc	30.41	+0.08	31	-1	NNW	3	bc	2	0.02	34	29	bc. cps	op. bc	bc. ps	1.9		
	Nottingham ...	30.26	33	N	4	c	30.51	*	30	0	NE	2	b	*	0.01	33	28	bc. ps	c. ops	o. c	0.2		
	Bath ...	30.25	34	N	3	bc	30.52	*	25	-8	NNE	1	b	*	-	37	25	b. bc	b. bc	bc. b	4.3		
	London (Kew Obsy.) ...	30.19	32	N	3	bx	30.45	+0.06	31	0	N	3	bx	*	-	35	29	bx. b. m. b	c. b. m. b. z	bx	5.5		
ICELAND, FAEROE, &c.	Spitzbergen ...	29.61	21	SSE	7	o	29.39	-0.09	22	+22	SE	8	o	*	*	22	-2						
	Isafjord ...	29.24	37	SW	5	o	29.58	+0.05	31	-10	W	10	o	*	*	*	*						
	Reykjavik ...	29.56	38	SSE	6	r	29.84	+0.03	34	+4	SSW	3	bc	*	*	*	*						
	Vestmanna ...	29.61	43	S	9	r	29.83	+0.01	36	-5	W	3	o	1	*	*	*	*					
	Seydisfjord ...	29.57	44	-	0	c	29.62	+0.02	39	+2	-	0	c	*	*	*	*						
	Thorshavn ...	30.16	39	SW	4	o	30.02	-0.03	44	+17	WSW	8	r	*	*	*	*						
SCANDINAVIA.	Haparanda ...	30.25	-10	N	2	o	30.44	-0.03	34	+23	S	2	f	*	-	14	-15						
	Hernösand ...	30.30	-7	N	2	b	30.24	-0.02	-2	+6	-	0	b	*	-	21	-9						
	Stockholm ...	30.08	22	N	4	o	30.23	+0.04	22	+6	NNE	2	o	*	-	23	16						
	Wisby ...	29.91	28	NE	8	c	30.11	+0.07	26	0	NNE	4	b	*	-	28	25						
	Karlstad ...	30.24	8	-	0	b	30.38	+0.04	3	-8	N	2	b	*	-	14	1						
	Vardö ...	30.01	24	WNW	4	c	29.81	-0.06	17	-4	WSW	6	o	4	-	?	14						
	Bodö ...	30.02	32	SSW	5	o	29.85	-0.07	33	+6	E	4	m	3	?	33	25						
	Christiansund ...	30.29	30	-	0	c	30.18	-0.04	36	+12	WNW	3	o	4	-	36	23						
GERMANY, &c.	Skudesnaes ...	30.37	19	-	0	b	30.41	-0.00	25	-1	-	0	o	1	-	25	18						
	Færder (X'ania Fjord)	30.27	20	N	4	b	30.45	+0.01	22	-1	NNE	3	bc	1	-	23	19						
	The Scaw (Skagen) ...	30.19	31	ENE	7	b	30.33	+0.04	24	-2	NE	3	o	1	-	46	23						
	Blaavands Huk ...	30.18	25	NNE	6	b	30.34	+0.02	23	-1	NE	4	b	1	-	30	21						
	Cuxhaven ...	30.00	29	NNE	6	b	30.25	+0.06	28	-2	N	5	b	3	-	30	27						
	Berlin ...	29.59	29	W	4	o	29.92	+0.08	30	-2	N	4	o	*	0.67	34	28						
	Frankfurt ...	29.88	25	N	2	b	30.18	+0.06	26	-4	NE	3	s	*	-	34	25						
	Munich ...	29.76	27	W	3	s	30.07	+0.08	22	-5	NW	4	o	*	0.12	30	20						
	The Helder ...	30.08	34	NNE	5	q	30.37	+0.05	36	+2	N	4	bc	3	-	36	34						
	Brussels ...	30.10	29	NNE	2	o	30.30	+0.07	27	-3	NNE	2	b	*	0.04	30	25						
FRANCE.	C. Gris Nez ...	30.03	32	NE	6	s	30.36	+0.06	27	-8	E	5	bc	4	0.47	32	25						
	La Hève ...	30.07	34	N	4	s	30.35	*	28	-8	NE	4	s	4	-	37	27						
	Ushant ...	30.19	41	NNE	7	c	30.34	*	43	+1	NNE	5	c	4	-	45	39						
	Brest (St. Mathieu) ...	30.23	38	NE	3	c	30.43	+0.07	35	-4	E	3	s	3	-	43	34						
	Lorient (Bec Melen) ...	30.11	36	NNE	5	bc	30.36	*	34	-5	NE	4	b	*	-	43	32						
	Rocheport (Ile d' Aix)	30.02	37	NNE	5	bc	30.26	+0.07	30	-6	NNE	5	b	4	-	41	30						
	Biarritz ...	30.01	37	ENE	3	o	30.20	+0.04	33	-2	E	3	o	5	0.24	41	32						
	Paris ...	30.00	29	NNE	4	b	30.28	+0.07	24	-5	N	3	o	*	-	34	22						
	Belfort ...																						
	Lyons ...																						
SPAIN, PORTUGAL, &c.	Nice ...																						

BAROMETER, WIND AND WEATHER FOR 7 A.M. AND 6 P.M. 30TH DECEMBER.



NOTE.—On this chart the areas over which rain has fallen within the 24 hours from 7 a.m., are stippled.



GENERAL INFERENCE

The anticyclone over these islands will move slowly in a South-Easterly direction. Its influence will continue to be felt for the present over the greater part of the United Kingdom, but on our extreme north and north-west coasts

WEATHER PROSPECTS.

the weather will be affected by depressions moving over the upper part of the Atlantic.

FORECASTS FOR THE 24 HOURS NOON WEDNESDAY TO NOON THURSDAY.

0 {
a } Westerly and South-Westerly winds,
b } freshening; fair at first, some rain or sleet
later; becoming milder.

1 {
a } Light breezes, chiefly from the
b } Westward or South-Westward; fair generally;

2 {
a } very cold today, becoming milder tomorrow
b }

3 {
a } Light North-Easterly to variable;
b }

4 {
a } fair generally; sharp frost and local
b } fogs tonight.

5

FORECAST DISTRICTS.



STORM WARNINGS.

The Coasts upon which the Warning Signals are at present displayed are indicated thus:—

Signals hoisted yesterday.	Signals hoisted this morning.
South Coast.	South Coast.
North Coast.	North Coast.

NO WARNINGS ISSUED

6 {
a } Same as No. 0
b }

7 {
a } Variable breezes, finally South
b }

8 {
a } Westerly; fair generally; cold today, sharp
b } frost at night, becoming milder tomorrow.

9 {
a } Light Easterly to South-Easterly
b } winds; fair generally; cold, sharp frost tonight, with local fogs.

10 {
a } Variable breezes, finally Southerly;
b }

11 {
a } fair generally; sharp frost tonight;
b }

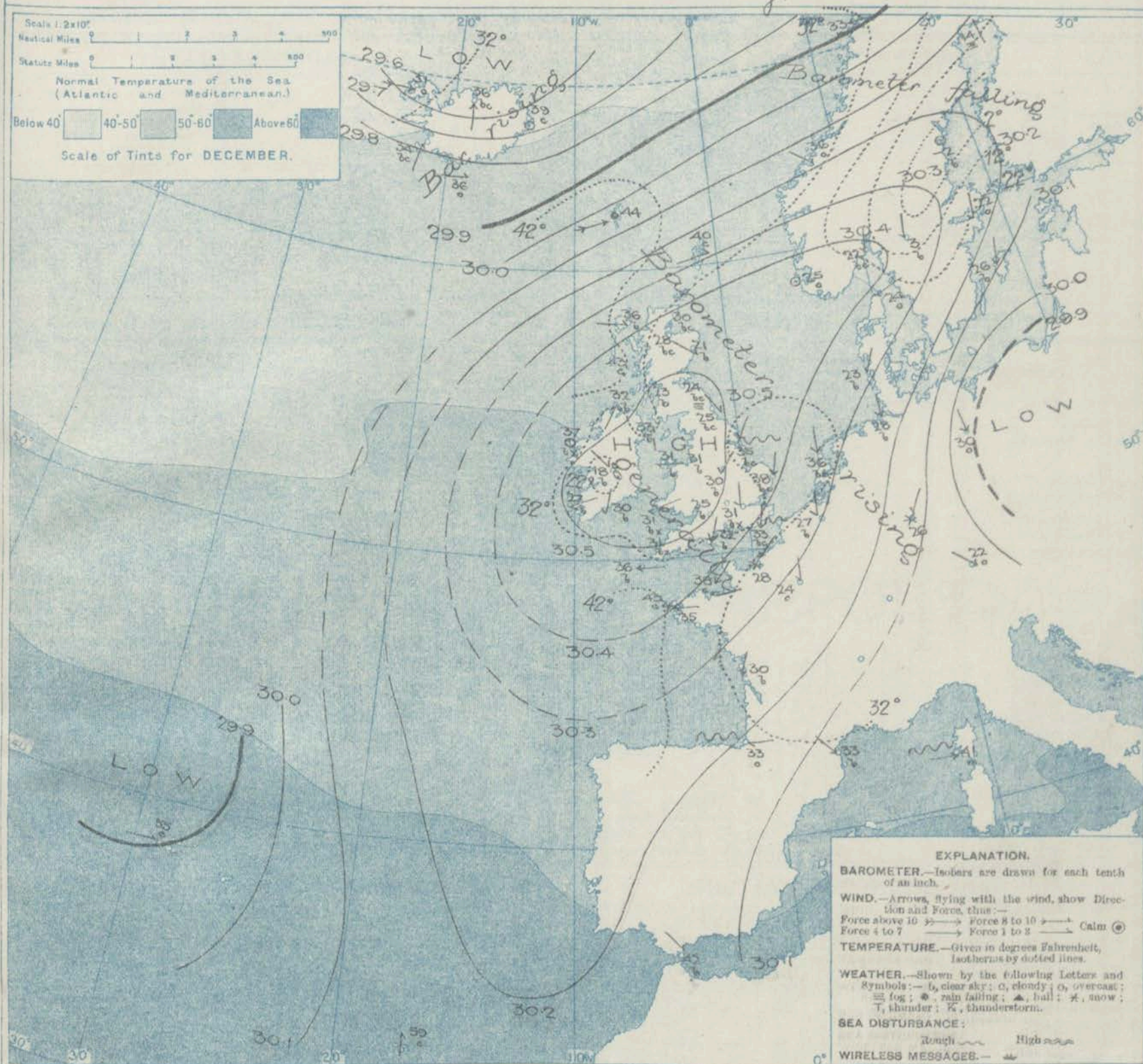
12 {
a } becoming milder tomorrow.
b }

11 WESTERN CHANNEL AND BAY.

Moderate or fresh North-Easterly winds, and a moderate sea; fair; cold.

THE FURTHER OUTLOOK.

SYNOPTIC CHART FOR 7 A.M. Wednesday, 31st DECEMBER 1913.



NOTES ON THE GENERAL SITUATION AT 7 A.M.

The central portion of the anticyclone which recently lay over the Atlantic has now reached England and Ireland. A depression is passing north-eastwards across Iceland, and is causing a fall of the barometer in Shetland, the Faeroe and the North of Scandinavia.

The wind is light to moderate from the Northward or North-Eastward over England, the south of Ireland and the western portions of the Continent, but in Scotland it has shifted to the Westward or South-Westward. A Westerly gale is blowing at Thorshavn. Temperature has risen slightly in the south-east of England, and very decidedly in the Faeroe and the north of Scandinavia,

but fallen elsewhere. Over the greater part of the United Kingdom, the thermometer is below the freezing point, the lowest values reported being 18° at Pinn Castle, and 21° at Aberdeen. Sharp frost prevails over the greater part of the Continent. The weather is fine over Western Europe as a whole, but snow is still falling at a few isolated stations in France and Germany. The sea is rather rough on the east and south-east coasts of England, moderate or slight elsewhere.

DAILY WEATHER REPORT.

Wednesday 31st December 1913.

OBSERVATIONS from the ATLANTIC OCEAN received by RADIOTELEGRAPHY.

DATE AND HOUR.	POSITION.		NAME OF SHIP.	O- Outward. H- Homeward.	BAROMETER.		WIND.		WEA- THER.	DATE AND HOUR.	POSITION.		NAME OF SHIP.	O- Outward. H- Homeward.	BAROMETER.		WIND.		WEA- THER.
	Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.			Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.	
30th. 6 p.m.	49	15	Samland	O	?	00	SE	4-5	bc	30th 7 a.m.	50	21	Lake Michigan	O	29.98	-07	S	6-7	r
"	49	12	Menominee	H	30.33	+05	SE	4-5	bc	"	48	17	Menominee	H	30.18	+02	S	4-5	c
"										"	49	12	Samland	O	?	+07	NE	4-5	b

TEMPERATURE, WEATHER, SUNSHINE AND RAINFALL FOR YESTERDAY, UP TO 6 p.m.

STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.	STATIONS.		Rainfall.	TEMPERATURE.		WEATHER.		Sun- shine to 6 p.m.
			Max.	Min.	Forenoon.	Afternoon.					Max.	Min.	Forenoon.	Afternoon.	
Scot- land.	Oban	-	35	25	b. bc.	c. bc	3.9	England, S.E.	Margate	0.22	37	31	chs q.	chs q.	0.0
	St. Andrews	-			"	"			Ramsgate	0.40	34	30	"	"	0.2
Eng- land, N.E.	Harrogate	0.13	31	25	o	ops	0.0	England, S.E.	Folkestone	0.76	34	31	x. stl	fls. os	0.6
	Scarborough	"	38	32	os	os	0.0		Hythe						
Eng- land, N.W.	Morecambe	-	34	26	bc. b	b	2.0	England, S.E.	Littlestone						0.6
	Blackpool	-	36	26	c. bc	bc	6.2		Hastings	0.03	36	31	op. bc. b	bc. b	5.6
Mid- lands.	Southport	-	36	28	b	b	6.0	England, S.E.	Bexhill-on-Sea	0.01	37	31	b	b	5.5
	Buxton	0.05	32	27	bc. x	bc	1.2		Eastbourne	-	37	30	b	b	6.0
Wales.	Leamington Spa	0.02	34	27	og	c. b3	0.0	England, S.E.	Seaford	-	36	30	b	b	5.9
	Malvern	-	34	?	b	bc. b	4.3		Brighton	-	35	31	b. bc	bc. c	5.0
England, E.	Rhyl	-	39	28	c. bc	bc	2.1	England, S.W.	Worthing	-	36	31	b	b	6.0
	Colwyn Bay	-	40	36	bc. b	bc	2.3		Littlehampton	-					
England, E.	Llandudno	-	39	33	bc	bc	2.0	England, S.W.	Southsea	-	36	32	b	b	5.8
	Bettws-y-Coed	-	37	29	b	b	1.5		Ryde	-	36	33	b	b	5.5
England, E.	Aberystwyth	-	39	29	a. c. b	bc. c	6.3	England, S.W.	Ventnor	-	36	30	"	"	
	Tenby	-	41	32	b	b	5.6		Bournemouth	-	35	30	b	b	5.0
England, E.	Lowestoft	0.10	36	30	ops. c	c. ops. q.	1.1	England, S.W.	Weymouth	-	36	31	b	b	5.7
	Felixstowe	0.06	34	29	c. bc. q.	c. bc. q.	1.3		Exmouth	-	41	34	b	b	6.0
England, E.	Walton-on-Naze	0.03	?	29	bc	bc. os	?	England, S.W.	Teignmouth	-	39	34	b	b	5.9
	Southend-on-Sea	0.02	36	29	bc. b	b. bc. s	5.0		Torquay	-	40	33	bc. b	b	6.3
								England, S.W.	Paignton	-	39	32	bc. b	b	5.7
									Falmouth	0.06	38	33	b	b	6.9
								England, S.W.	Bude	-	42	32	bc	bc	6.7
									Ilfracombe	-	42	36	b	b	5.5
								England, S.W.	Weston-super-Mare	-	38	32	b	b	5.8

LONDON OBSERVATIONS.

STATIONS.	HUMIDITY.		Sun- shine for Yester- day.	TEMPERATURE.		Rain- fall.	WEATHER.		
	3 p.m. Yester- day.	9 a.m. To- day.		In Screen.	Min. on Grass.		Fore- noon.	After- noon.	Night.
Greenwich (Royal Obs.) ...	76	78	5.2	36	28	18	b	b. bc	bc. s
City (Banhill Row) ...	"	"	3.2	"	"	"	"	bc. sp	"
Westminster (St. James's Pl.)	84	?	1.2	36	30	28	bc	bc	af. x. b.
Camden Sq. (Brit. Rainfall)	87	89	4.4	35	28	23	b	b. bc	"
Hampstead (Reservoir) ...	"	97	5.3	33	22	15	b	b. bc	os. x
Richmond Park ...	"	"	5.3						
Kew. (See front page.)									
VERTICAL COMPONENT OF SOLAR RADIATION PER SQUARE CENTIMETRE DURING YESTERDAY.									
				Total.	Average Rate.		Max. Rate.		
S. Kensington (Roof of M.O.)				83	80		3.5		
				210	Joules.		7.4		
					Milliwatts.		12.5		

Additional Observations for Yesterday.

STATIONS.	Rain- fall.	TEMPERATURE.		WEATHER.		Sun- shine for Yester- day.
		In Screen.	Night Min. on Grass.	Night.	Fore- noon.	
Dublin to 4 p.m.	-	32	27	25	b. x	bc. x
Plymouth to 9 p.m.	-	38	31	26	b	b
Darwen "	-	33	25	23	bc. m	bc
Manchester "	Trace	37	32	"	os. c	bc. c
Birmingham "	0.02	33	27	21	"	os. c
Oxford to 8 p.m.	"	34	29	24	os. a. m.	bm
S. Kensington (Museum Grounds to 6 p.m.)	0.01	36	31	22	a. c. b. x	b. x. b. c. b.

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON AND SUNSET FOR STATIONS IN THE UNITED KINGDOM TO-DAY AND TO-MORROW

	31st Dec. 1913	1st Jan. 1914	Sunrise.	Noon.	Sunset.
Yarmouth ...	G.M.T. 8.6	G.M.T. 11.56	G.M.T. 3.46		
	8.6	11.57	3.48		
Greenwich ...	8.8	12.3	3.58		
	8.8	12.4	4.0		
Wick ...	9.5	12.15	3.25		
	9.5	12.16	3.27		
Valencia ...	8.51	12.44	4.37		
	8.51	12.45	4.38		

NOTES ON YESTERDAY'S WEATHER.

At many of our northern, eastern and central stations the thermometer failed to reach 35°. Sharp frost occurred generally at night; on the surface of the grass the thermometer fell to 15° at Hampstead, 18° at Greenwich and 21° at Nottingham. Snow showers were again experienced in many parts of England, and thunderstorms occurred on the Kentish coast. Wireless reports show that as far west as the 21st meridian ships experienced moderate to fresh breezes from South or South-East and fair weather.

NOTE.—The information relating to weather is indicated by the following letters—b. blue sky; bc. sky half clouded; c. sky three parts clouded; d. drizzling rain; e. wet air, without rain falling; f. fog; g. gloom; h. hail; i. lightning; m. mist; o. overcast sky; p. passing showers; q. squalls; r. rain; s. snow; t. thunder; u. ugly, threatening sky; v. visibility, unusual transparency; w. dew; x. hoar frost; z. dust-haze, or smoke.

The Daily Weather Report is sent free by post to any address in the United Kingdom on payment of £1 per annum, for postage and wrappers.

1913.

WEA- THRR.
r c b

Sun- shine to 6 p.m.
Hr. 0.0 0.2 0.6 0.6 5.6 5.5 6.0 5.9 5.0 6.0 5.8 5.5 5.0 5.7 6.0 5.8 6.3 5.7 6.9 6.7 5.5 5.8

ay.
Sun- shine for Yester- day.
Hr. 6.3 0.5 0.0 0.1 .

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ADDITIONS AND CORRECTIONS TO THE DAILY WEATHER REPORT.

DECEMBER, 1913.

ADDITIONS AND CORRECTIONS TO THE

1.—REPORTS RECEIVED TOO LATE FOR INSERTION DAILY.

DATE.	STATIONS.	YESTERDAY EVENING.					THIS MORNING 7 a.m. G.M.T.										PAST 24 HOURS.					Sun- shine for Yester- day. Hours.
		Barom.	Temp.	Wind.		Weather.	Barometer.		Temp.		Wind.		Weather.	Sea (0 to 9).	Rain- fall.	Temp.		Weather.				
				At 32° Fahr. and M.S.L. Lat. 45°.	Dry Bulb.		Dirac.	Force (0 to 12).	At 32° Fahr. and M.S.L. Lat. 45°.	Change since 4 a.m.	Dry Bulb.	Change since Yester- day.				Dirac.	Force (0 to 12).	Max.	Min.	Morn'g. 7 a.m. to 1 p.m.	Aftern'n. 1 p.m. to 6 p.m.		Night. 6 p.m. to 7 a.m.
		In.					In.	In.							In.							
1st	Spitzbergen	28.63	28	ESE	4	5	28.89		27	-2	ESE	6	b									
"	Varde	28.49	28	SE	8	c	28.53		30	-1	SW	4	0	3								
"	Bodo	28.52	36	WSW	2	0																
2nd	Spitzbergen	28.00	27	ENE	6	0	28.06	+0.2	26	-1	NNW	5	c			28	23					
"	Haparanda	28.74	20	W	2	b	28.77	0.0	20	+2	NNW	2	6			20	16					
"	Lorient		50	NW	2	0			50	+5	NW	2	0	2		52	45					
3rd	Spitzbergen	28.00	27	ENE	6	0	28.06		25	+5	NNW	5	c									
"	Haparanda	28.76	26	W	2	b	28.81	+0.1	27	+6	SW	2	6			27	18					
"	Herrnland	28.14	31	NW	4	0	28.06	-0.4	26	-5		0	6			32	25					
"	Stockholm	28.44	37	W	2	b	28.13	-0.30	38	+8	WSW	4	0		Trace	38	27					
"	Viborg	28.56	40	NNW	6	6	28.29	-0.8	43	+6	SW	4	0		0.04	45	36					
"	Karlstad	28.43	36		0	0	28.17	0.0	40	+3	W	2	6		0.04	41	27					
"	Bodo	28.29	42	SSW	4	0	28.21	+0.1	45	+9	SW	6	6	3		45	36					
"	Durvig	30.25	43	ENE	2	b	30.20	-0.1	38	-8	ESE	1	m	2		46	37					
"	Lunchal	30.23	59	N	1	b	30.24	+0.2	62	+2	N	1	0	1		73	57					
4th	Blackhead Pt.						28.51	+0.6	40	-12	NW	8	0	6	1.19	52	35			only		
"	Spurn Head	28.30	50	SW	6	c	28.23	0.0	38	-11	WSW	4	c	5	Trace	52	37	c	c	c		
"	Haparanda	28.93	16	N	2	b	28.99	+0.1	17	-10	SW	2	c			28	12					
"	Skudenes	28.92	50	WSW	9	0			55	+7		0	0	2		59	48					
"	Lisbon	30.24	54	NW	7	b	30.23	+0.2	55	+7		0	0									
5th	Herrnland	28.30	39	ENE	7	0	28.62	+0.18	28	-3	SW	6	c		0.47	41	25					
"	Karlstad	28.62	38	W	6	0	28.04	+0.6	35	-10	WSW	4	6		0.08	46	34					
7th	Spitzbergen	28.62	3		0	0	28.73		7	+2		0	0									
"	Lorient		55	NNW	5	0	30.02		55	+9	NW	6	6	5	0.03	57	46					
8th	Lorient	30.18	52	NW	3	0	30.30		51	-4	SE	3	0	3		57	45					
"	Lisbon	30.18	39	N	1	0	30.37	-0.1	37	+2	S	2	0			44	34					
9th	Lorient	30.31	52	SE	3	0	30.38		53	+2	W	3	0	4		55	48					
10th	Frankfurt						30.02	+0.2	45	+7	SW	2	0		0.04	46	36					
13th	Frankfurt						28.18	+0.4	28	-6	W	6	5									
15th	Frankfurt						30.28	+0.3	41	+1	SW	2	0		0.04	45	40					
"	Corunna	30.31	55	NE	1	b	30.36	0.0	43	-2	E	1	0	3		57	41					
19th	Lorient	30.24	41	NE	1	c	30.32		39	-6	NE	4	0			50	34					
23rd	Vestmanna						28.75	+0.2	31	-6	N	3	6	2								
"	Lisbon	28.95	54	E	4	0	28.81	0.0	52	-1	NE	2	0	5	0.24	57	52					
24th	Lunchal	30.24	53	NNW	4	b	30.18	+0.1	57	-2	NNW	4	c	4		64	54					
25th	Spitzbergen	28.78	-17	SE	1	0	30.01		-11	+5		0	0									
27th	Herrnland	28.38	13		0	0	28.31	-0.1	12	+7	ENE	6	0		0.16	16	1					
"	Lorient	30.26	51	SW	5	0	28.99		52	+2	WSW	6	0	7		52	50					
"	Lunchal	30.29	59	ESE	3	b	30.38	+0.2	60	+3	ESE	3	0	3		68	57					
28th	Castellbay						28.58		37	-1	N	4	6		0.08	41	36			hopey	0.0	
29th	Frankfurt						28.46	+0.1	31	-7	W	1	6		1.14	39	30					
"	Lorient	28.73	42	NW	5	0	28.65		39	-3	NNW	1	6	7	0.04	50	39					
30th	Lorient	28.72	41	NW	5	6	28.95		30	0	N	4	0			50	36					
"	Delport	28.53	30	WSW	4	5	28.66		23	-7	W	4	0		0.12	36	19					
"	Corunna	30.17	48	NNW	6	0	30.13	0.0	41	-6	NNW	6	0	7	0.12	50	36					
31st	Delport	28.82	25		0	0	30.13		22	-1	E	2	0			30	21					
"	Lisbon	28.86	25	NNW	3	0	30.10		25	-1	NNW	3	0			33	24					
"	Delport	28.46	35	E	4	0	28.70	+0.6	32	-3		0	6	4		41	30					
"	Corunna	30.12	45	NNW	1	0	30.30	+0.5	37	-4	ENE	3	c	4	0.20	50	34					

GALES.

Duration and Extreme Force
in British Islands.

additions

4th. Galmanagh 2am-9pm.
Extreme SW g. 59.74 m.p.h. (1)

4th. Blackhead Pt. 2am-7am.
Extreme NW g.

4th. Spurn Head 10pm-3am.
Extreme SW g. at Midl.

27th. Kerry 12-25am.
Just 45 m.p.h. (8).

Corrections

4th. Dunagness 7am-Midl.
Extreme SW 10 at 10pm.

5th. Malin Head 7am-11pm.
Extreme NNW g.

16th. Castellbay 11am-After Midl.
Extreme W g.

GALES.

Duration and Extreme Force
in British Islands.

Additions
 4th Galveston 2 a.m. - 9 p.m.
 Extreme SW G. 54 mph (11)
 4th Blackhead Pt. 2 a.m. - 7 a.m.
 Extreme NW G.
 4th Spurn Head 10 p.m. - 3 a.m.
 Extreme SW G. at Tide.
 27th Kew 12.25 a.m.
 Just 45 m.p.h. (8).
Corrections
 4th Dunmore 7 a.m. - 11 a.m.
 Extreme SW 10 at 10 p.m.
 5th Malin Head 7 a.m. - 11 p.m.
 Extreme NNW G.
 16th Castellbay 11 a.m. - 11 p.m.
 Extreme W G.

REPORTS FOR DECEMBER, 1913.

2.—CORRECTIONS.

DATE.	STATIONS.	YESTERDAY EVENING.					THIS MORNING 7 A.M., G.M.T.										PAST 24 HOURS.						Sun- shine for Yester- day.
		Barom.	Temp.	Wind.		Weather.	Barometer.		Temp.		Wind.		Weather.	Sea (0 to 9).	Rain- fall.	Temp.		Weather.					
At 32° Fahr. and M.S.L. Lat. 45°.	Dry Bulb.	Direc.	Force (0 to 12).	At 32° Fahr. and M.S.L. Lat. 45°.	Change since 4 a.m.	Dry Bulb.	Change since Yester- day.	Direc.	Force (0 to 12).	Rain- fall.	Max.	Min.	Morn'g. 7 a.m. to 1 p.m.	Aftern'n. 1 p.m. to 5 p.m.	Night. 5 p.m. to 7 a.m.	Hours.							
1st	Aberdeen	In.	.	.	.	In.	In.	.	.	.	.	.	.	In.	.	.	.	bc-bq	0.0
2nd	Valencia	.	.	.	.	.	.	.	.	.	SW	.	.	.	.	.	.	.	2.8
"	Holyhead	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
"	North Shields	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
3rd	Yarmouth	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
4th	Holyhead	.	.	.	.	.	.	.	.	.	.	.	.	.	.	47	.	bc-bq	.
"	Valencia	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
"	Pembroke	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
"	Sally	.	.	W	.	.	.	.	.	.	.	.	.	.	.	.	.	.	0.5
"	North Shields	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
"	Burnley	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
5th	Holyhead	.	.	.	.	.	.	.	.	.	.	.	.	.	.	42	.	.	.
"	Pembroke	.	.	.	.	.	.	.	.	.	.	.	.	.	.	43	.	.	.
"	Dunqueness	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
"	Dover	.	.	.	.	.	29.85	.	.	.	.	.	.	.	.	.	.	.	2.0
6th	Dover	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
7th	Stornoway	.	.	.	.	.	.	.	.	.	S	.	.	.	.	.	.	.	.
8th	Rockes Point	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	0.09	cg-bc	.
"	Valencia	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
"	Portland Bill	.	.	.	.	.	30.21	.	.	.	.	.	.	.	.	0.19	.	.	.
"	Wick	.	.	.	.	.	29.78	.	.	.	.	.	.	.	.	.	.	bc-cg dm	om-qf and dm
9th	London (New Cl.)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
"	Leith	.	.	.	.	.	.	.	.	.	.	.	.	.	.	56	39	.	0.0
10th	North Shields	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	0.6
"	Dover	.	.	.	.	.	.	.	.	.	.	4	.	.	.	.	.	.	0.0
11th	North Shields	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	0.0
"	Malin Head	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	46	.	0.0
"	North Shields	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	0.0
"	Spurn Head	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	0.0
12th	Blackley	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	0.6
"	Malin Head	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	46	.	5.5
"	Burr. Castle	.	.	.	.	.	.	.	.	.	.	.	.	.	.	0.03	.	.	0.6
"	North Shields	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	5.5
13th	North Shields	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	0.6
14th	Pembroke	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	46	.	5.5
"	Dover	.	.	.	.	.	.	.	.	.	W	.	.	.	.	.	41	.	.
15th	Leith	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	0.0
"	Valencia	.	.	.	.	.	30.33	.	.	.	.	.	.	.	.	.	.	.	0.0
"	Dunqueness	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	0.0
16th	Malin Head	.	.	.	.	.	.	.	.	.	WSW	.	.	.	.	.	.	.	0.0
"	Pembroke	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	48	.	0.0
"	Holyhead	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	0.0
17th	North Shields	.	.	.	.	.	30.55	.	.	.	.	.	.	.	.	.	.	.	0.0
"	Burr. Castle	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	0.6
"	Aberdeen	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	0.8
18th	North Shields	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	0.8
20th	Valencia	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	42	.	0.8
"	Donaghadee	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	44	.	0.8
21st	Malin Head	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	42	.	0.8
"	Blackley	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	41	.	0.8
"	Rockes Pt.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	0.8
"	Portland Bill	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	0.8
"	Wick	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	0.8
22nd	Liverpool Clay	30.63	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	0.0
"	North Shields	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	0.0
23rd	Leith	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	38	.	0.0
"	Portland Bill	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	39	bc-ph	0.0
24th	Blackley Pt.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	0.0
"	Donaghadee	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	0.0
"	North Shields	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	0.0
25th	Blackley	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	0.0
"	Hatfieldham	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	0.0
26th	Leith	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	0.0
"	Holyhead	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	31	.	0.0
"	Portland	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	46	.	0.0
"	Dover	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	44	.	3.6
"	Spurn Head	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	35	.	0.0
"	Blackton-on-Sea	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	29	.	0.0
"	Bath	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	0.0
27th	Stornoway	29.76	36	.	.	od	.	.	.	.	.	.	.	.	.	.	.	.	0.0
"	Glasgow	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	0.0
"	Pembroke	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	0.0
"	Aberdeen	29.41	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	0.0
"	North Shields	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	0.0
"	Yarmouth	.	.	.	.	.	29.60	.	.	.	.	.	.	.	.	.	.	.	0.0
28th	Leith	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	0.0
"	Blackley	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	0.0
"	Rockes Point	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	0.0
29th	Portland	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	0.0
"	Dover	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	0.0
"	Wick	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	0.0
30th	North Shields	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	0.0
31st	Shannon	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	0.0
"	Bris. Bay	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	0.0

3400

WIRELESS TELEGRAMS.

ADDITIONS AND CORRECTIONS—DECEMBER, 1913.

DATE OF REPORT.	DATE AND HOUR OF OBSERVATION.	POSITION.		NAME OF SHIP.	O = Outward. H = Homeward.	BAROMETER.		WIND.		WEATHER.	DATE OF REPORT.	DATE AND HOUR OF OBSERVATION.	POSITION.		NAME OF SHIP.	O = Outward. H = Homeward.	BAROMETER.		WIND.		WEATHER.
		Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.				Lat. N.	Long. W.			Reading.	Change in 3 hours.	Dir.	Force.	
		°	°			In.	In.		(0-12).				°	°			In.	In.		(0-12).	
ADDITIONS.											CORRECTIONS.										
											3rd	2nd, bpm.			Empress of Britain		29.41	-08			
											"	3rd, 7am.			"		29.41	-05			
											10th	9th, bpm.			Canada		30.43	+07			
											11th	10th, 7am.			Oceanic			+03		4	
											"	" bpm.			"					4	cg.
											17th	16th "			Tunisian				5	4-5	
											18th	17th "			Olympic			+02.			
											"	18th, 7am	48		"						
											20th	19th, 7am.			"		30.46				
											21st	20th "			Franklin		30.22				
											"	" bpm.			"		30.16				
											25th	24th, 7am			Mongolian			-04			
											"	" "	24		"		30.00	-05			
											"	" bpm.	20		Numidian			-05		6	
											26th	25th, 7am	16		"						c
											"	" bpm.	12		"			+03			