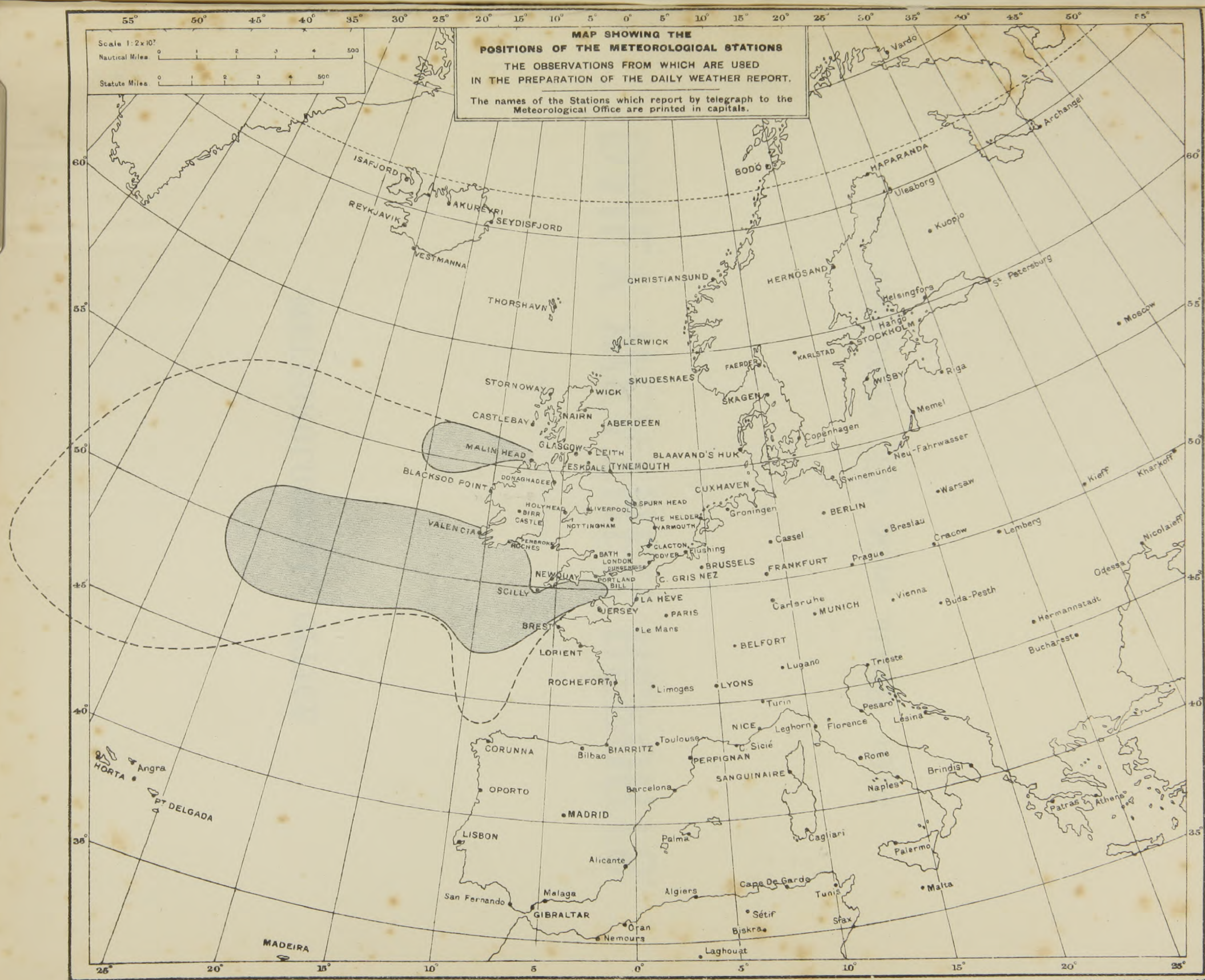
METEOROLOGICAL OFFICE.

DAILY WEATHER REPORTS.

1st JANUARY TO 30th JUNE 1914.



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.

WYMAN & SONS LTD. M.O. PRESS, LONDON, S.W.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

CHANGE OF UNITS OF MEASUREMENT.

BAROMETRIC PRESSURE IN PRESSURE UNITS.

In their Eighth Report to the Lords Commissioners of His Majesty's Treasury, the Meteorological Committee intimated their intention to use Absolute Units for pressure in the Daily Weather Report of the Meteorological Office from 1st May, 1914.

The absolute unit of pressure on the Centimetre-Gramme-Second system* is the dyne per square centimetre. As this unit is exceedingly small a practical unit one million times as great has been suggested. This unit, the megadyne per square centimetre, is called a "bar." In the Daily Weather Report the centibar and the millibar, respectively, the hundredth and the thousandth part of the "bar" are adopted as working units. The relation between the millibar and the inch of mercury is given in the tables overleaf.

Reasons for the Change.

One of the principal reasons for this change is that it is a step towards the adoption of a system of units which may become common to all nations.

The system was approved by the Meteorological Council in 1904 and by the Gassiot Committee of the Royal Society in 1910. Upon the initiative of Professor V. Bjerknes, formerly professor at Christiania, and now of the Geophysical Institute at Leipzig, it was used in important publications of the Carnegie Institution of Washington, and was adopted by the International Commission for Scientific Aeronautics for the international publication of the results of the investigation of the upper air. Since 1907 the system has been used in the Meteorological Office for the upper air, and since 1911 for the data from the Observatories where Centimetre-Gramme-Second units have been used for many years in connection with magnetism and electricity. The Weather Bureau of the United States has adopted *millibars* and *absolute temperatures* on the Centigrade Scale for the issue of daily charts of the Northern Hemisphere, which began on 1st January, 1914; the Royal Meteorological Society has decided to use *millibars* for the expression of the series of pressure normals for the British Isles, which it is now preparing; and the Meteorological Office has followed the example of the Weather Bureau in using absolute units for the daily maps in the Weekly Weather Report, but its isobars are figured in centibars as they were in the specimen issued with the Eighth Annual Report.

The Scientific Appeal.

The ground of scientific appeal to all nations to adopt the bar, centibar, and millibar is that these units fall naturally into place as members of the Centimetre-Gramme-Second system of units which has already become universal for Magnetism and Electricity and most branches of Physics. Its principles are therefore well known. The inch and the millimetre are really units of length, and to estimate the effect of a pressure measured in terms of height of a column of mercury, it is necessary to introduce the value of the density of mercury at some particular temperature and the value of the acceleration due to gravity at a particular place. It is well known that the atmospheric pressure at sea level in Britain varies between $13\frac{3}{4}$ and $15\frac{1}{4}$ lbs. weight per square inch. The pound weight per square inch is often used by engineers, but it is not a convenient unit because its value depends upon latitude.

The Upper Air.

The past fifteen years have witnessed the collection of extensive meteorological observations in the upper air made by means of kites and balloons, from which important results have already been deduced. The absolute system of units is the most convenient for the discussion of the data so collected, and it is being generally adopted for the purpose. The rapid development of aviation makes it impossible to draw a line between the academic study of the meteorology of the upper air and the practical meteorology of the Daily Weather Report. The use of two systems of units, one for observations made at the surface, and the other for observations taken at higher levels, could only retard progress.

Practical Considerations.

It is acknowledged that an accuracy of one thousandth of an inch is not really attainable in practice. For many years the Inspectors of the Meteorological Office have had to be satisfied with agreement within ·003 in., and now the National Physical Laboratory has ceased to certify barometers of the Kew pattern to the thousandth of an inch. Consequently, with an instrument graduated to ·001 in., observers are being asked to read to an accuracy which is acknowledged to be unattainable. On the other hand an accuracy of the hundredth of an inch is not good enough for scientific purposes.

The practical degree of precision for a mercury barometer of the Kew type is *one-tenth of a millibar*. Graduation in centibars and millibars, with a simple vernier scale for estimating to tenths of a millibar, thus brings the demand for accuracy made upon the observer into harmony with that actually attainable. The new graduation does away with the complications of the conventional vernier scale in use on barometers graduated in inches, and consequently the risk of errors of observation is reduced.

The Percentage Barometer.

Another advantage is that the Bar, or Centimetre-Gramme-Second atmosphere, differs but little from the standard atmosphere. The equivalent of the adopted normal value at sea level of 29·92 mercury inches is 101·32 centibars, or 1013·2 millibars. The lowest barometer value ever observed for sea level in the British Isles is 925·5 millibars, the equivalent of 27·33 inches. This value was recorded at Ochtertyre on January 26th, 1884. The highest value is 1053·5 millibars, the equivalent of 31·11 mercury inches. It was recorded at Aberdeen on January 31st, 1902.

* Particulars of the Centimetre-Gramme-Second system are given in the *Observers Handbook*, 1913 edition.

(881—12.) Wt. 48791—8073. 5000. 4/14. D & S. G 3.

A reading of 100 centibars, or 1,000 millibars, is equivalent to 29·53 mercury inches. It will be remembered that the word "change" is placed opposite the sea-level reading 29·5 in the conventional descriptions engraved on dial barometers. Thus in a barometer graduated in centibars the reading 100 would occupy the position conventionally marked "change."

Practical Course to be pursued.

It is evidently impossible at one operation to change all the barometers in use in the various services, and even in the most favourable circumstances there must be for many observers a time when the readings are taken on one scale, and the results quoted or published in another. Tables of equivalents are given herewith for making the necessary conversion.

The barometers issued by the Meteorological Office will be graduated in both scales.*

RAINFALL DATA IN MILLIMETRES.

As a further step in the direction of international uniformity all rainfall data will be published in the Daily Weather Report in millimetres instead of inches. The occasion for making the change is that modifications are being introduced into the telegraphic code used for the exchange of meteorological information in Europe.

The reading of rainfall in this country has been carried to hundredths, sometimes to thousandths of an inch, but the readings to the higher degree of accuracy have seldom any practical meaning. The readings on the metric system are carried to 0·1 millimetres, 0·004 inch, which represents satisfactorily the highest degree of accuracy. The range is from ·01 to 3, 4, or even more inches in exceptional circumstances, for a day's rain. The telegraphic code hitherto in use has made provision for reporting amounts up to 10 inches, though the large majority of the readings are under 2 inches. The code now to be introduced makes provision for reporting amounts up to 100 millimetres or 4 inches.

As one inch is approximately equivalent to 25 millimetres the conversion from millimetres to inches, or *vice versâ*, may be made with sufficient accuracy for most purposes by multiplying or dividing by 4 and appropriately shifting the decimal point. Tables of conversion are given herewith.

WIND VELOCITIES IN METRES PER SECOND.

Wind force will be specified on the Beaufort scale. Occasional reports are received from anemometer stations regarding the extreme wind velocities attained in gales. These data are published on the front page of the report. The unit of wind velocity used in such cases will be the *metre per second*. Tables for converting velocities from miles per hour to metres per second, or *vice versâ*, are given below.

* It should be borne in mind that the inch scale is graduated to be correct at 62° F., the millibar scale at the temperature of the freezing point, 32° F. When both scales are at the same temperature the relation between them is that shown in the conversion tables corrected by the subtraction of 0·3 millibar, *e.g.*, the graduation 28·0 inch should agree with the graduation 948·2–·3 or 947·9 millibars.

METEOROLOGICAL OFFICE,
LONDON, S.W.,
April, 1914.

W. N. SHAW,
Director.

CONVERSION TABLES.

Pressure Values.

Equivalents in Millibars of Inches of Mercury at 32° and Latitude 45°.

Mercury Inches.	·00	·01	·02	·03	·04	·05	·06	·07	·08	·09
	Millibars.									
27·0	914·3	914·6	915·0	915·3	915·7	916·0	916·3	916·7	917·0	917·4
27·1	917·7	918·0	918·4	918·7	919·0	919·4	919·7	920·1	920·4	920·7
27·2	921·1	921·4	921·8	922·1	922·4	922·8	923·1	923·4	923·8	924·1
27·3	924·5	924·8	925·1	925·5	925·8	926·1	926·5	926·8	927·2	927·5
27·4	927·9	928·2	928·5	928·9	929·2	929·5	929·9	930·2	930·6	930·9
27·5	931·2	931·6	931·9	932·3	932·6	932·9	933·3	933·6	933·9	934·3
27·6	934·6	935·0	935·3	935·6	936·0	936·3	936·7	937·0	937·3	937·7
27·7	938·0	938·3	938·7	939·0	939·4	939·7	940·0	940·4	940·7	941·1
27·8	941·4	941·7	942·1	942·4	942·8	943·1	943·4	943·8	944·1	944·4
27·9	944·8	945·1	945·5	945·8	946·1	946·5	946·8	947·2	947·5	947·8
28·0	948·2	948·5	948·8	949·2	949·5	949·9	950·2	950·5	950·9	951·2
28·1	951·6	951·9	952·2	952·6	952·9	953·2	953·6	953·9	954·3	954·6
28·2	954·9	955·3	955·6	956·0	956·3	956·6	957·0	957·3	957·7	958·0
28·3	958·3	958·7	959·0	959·3	959·7	960·0	960·4	960·7	961·0	961·4
28·4	961·7	962·1	962·4	962·7	963·1	963·4	963·7	964·1	964·4	964·8
28·5	935·1	965·4	965·8	966·1	966·5	966·8	967·1	967·5	967·8	968·1
28·6	968·5	968·8	969·2	969·5	969·8	970·2	970·5	970·9	971·2	971·5
28·7	971·9	972·2	972·6	972·9	973·2	973·6	973·9	974·2	974·6	974·9
28·8	975·3	975·6	975·9	976·3	976·6	977·0	977·3	977·6	978·0	978·3
28·9	978·6	979·0	979·3	979·7	980·0	980·3	980·7	981·0	981·4	981·7
29·0	982·0	982·4	982·7	983·0	983·4	983·7	984·1	984·4	984·7	985·1
29·1	985·4	985·8	986·1	986·4	986·8	987·1	987·5	987·8	988·1	988·5
29·2	988·8	989·1	989·5	989·8	990·2	990·5	990·8	991·2	991·5	991·9
29·3	992·2	992·5	992·9	993·2	993·5	993·9	994·2	994·6	994·9	995·2
29·4	995·6	995·9	996·3	996·6	996·9	997·3	997·6	997·9	998·3	998·6
29·5	999·0	999·3	999·6	1000·0	1000·3	1000·7	1001·0	1001·3	1001·7	1002·0
29·6	1002·4	1002·7	1003·0	1003·4	1003·7	1004·0	1004·4	1004·7	1005·1	1005·4
29·7	1005·7	1006·1	1006·4	1006·8	1007·1	1007·4	1007·8	1008·1	1008·4	1008·8
29·8	1009·1	1009·5	1009·8	1010·1	1010·5	1010·8	1011·2	1011·5	1011·8	1012·2
29·9	1012·5	1012·8	1013·2	1013·5	1013·9	1014·2	1014·5	1014·9	1015·2	1015·6
30·0	1015·9	1016·2	1016·6	1016·9	1017·3	1017·6	1017·9	1018·3	1018·6	1018·9
30·1	1019·3	1019·6	1020·0	1020·3	1020·6	1021·0	1021·3	1021·7	1022·0	1022·3
30·2	1022·7	1023·0	1023·3	1023·7	1024·0	1024·4	1024·7	1025·0	1025·4	1025·7
30·3	1026·1	1026·4	1026·7	1027·1	1027·4	1027·7	1028·1	1028·4	1028·8	1029·1
30·4	1029·4	1029·8	1030·1	1030·5	1030·8	1031·1	1031·5	1031·8	1032·2	1032·5
30·5	1032·8	1033·2	1033·5	1033·8	1034·2	1034·5	1034·9	1035·2	1035·5	1035·9
30·6	1036·2	1036·6	1036·9	1037·2	1037·6	1037·9	1038·2	1038·6	1038·9	1039·3
30·7	1039·6	1039·9	1040·3	1040·6	1041·0	1041·3	1041·6	1042·0	1042·3	1042·6
30·8	1043·0	1043·3	1043·7	1044·0	1044·3	1044·7	1045·0	1045·4	1045·7	1046·0
30·9	1046·4	1046·7	1047·1	1047·4	1047·7	1048·1	1048·4	1048·7	1049·1	1049·4

Equivalents in Mercury Inches at 32° and Latitude 45° of Millibars.

Millibars.	0	1	2	3	4	5	6	7	8	9
	Mercury Inches.									
910	26·87	26·90	26·93	26·96	26·99	27·02	27·05	27·08	27·11	27·14
920	27·17	27·20	27·23	27·26	27·29	27·32	27·35	27·38	27·41	27·44
930	27·46	27·49	27·52	27·55	27·58	27·61	27·64	27·67	27·70	27·73
940	27·76	27·79	27·82	27·85	27·88	27·91	27·94	27·97	28·00	28·03
950	28·05	28·08	28·11	28·14	28·17	28·20	28·23	28·26	28·29	28·32
960	28·35	28·38	28·41	28·44	28·47	28·50	28·53	28·56	28·59	28·62
970	28·65	28·67	28·70	28·73	28·76	28·79	28·82	28·85	28·88	28·91
980	28·94	28·97	29·00	29·03	29·06	29·09	29·12	29·15	29·18	29·21
990	29·24	29·26	29·29	29·32	29·35	29·38	29·41	29·44	29·47	29·50
1000	29·53	29·56	29·59	29·62	29·65	29·68	29·71	29·74	29·77	29·80
1010	29·83	29·86	29·89	29·92	29·94	29·97	30·00	30·03	30·06	30·09
1020	30·12	30·15	30·18	30·21	30·24	30·27	30·30	30·33	30·36	30·39
1030	30·42	30·45	30·48	30·51	30·53	30·56	30·59	30·62	30·65	30·68
1040	30·71	30·74	30·77	30·80	30·83	30·86	30·89	30·92	30·95	30·98
1050	31·01	31·04	31·07	31·10	31·13	31·16	31·18	31·21	31·24	31·27

Differences for tenths of a millibar :—

mb.	·1	·2	·3	·4	·5	·6	·7	·8	·9
in.	·003	·006	·009	·012	·015	·018	·021	·024	·027

Rainfall Values.

Equivalents in Millimetres of Inches.

1 Inch = 25·4 Millimetres.

Inches.	·00	·01	·02	·03	·04	·05	·06	·07	·08	·09
	Millimetres.									
00	0·0	0·3	0·5	0·8	1·0	1·3	1·5	1·8	2·0	2 3
·10	2·5	2·8	3·1	3·3	3·6	3·8	4·1	4·3	4·6	4·8
·20	5·1	5·3	5·6	5·8	6·1	6·4	6·6	6·9	7·1	7·4
·30	7·6	7·9	8·1	8·4	8·6	8·9	9·1	9·4	9·7	9·9
·40	10·2	10·4	10·7	10·9	11·2	11·4	11·7	11·9	12·2	12·5
·50	12·7	13·0	13·2	13·5	13·7	14·0	14·2	14·5	14·7	15·0
·60	15·2	15·5	15·8	16·0	16·3	16·5	16·8	17·0	17·3	17·5
·70	17·8	18·0	18·3	18·5	18·8	19·1	19·3	19·6	19·8	20·1
·80	20·3	20·6	20·8	21·1	21·3	21·6	21·8	22·1	22·4	22·6
·90	22·9	23·1	23·4	23·6	23·9	24·1	24·4	24·6	24·9	25·2

Equivalents in Inches of Millimetres.

Millimetres.	0	1	2	3	4	5	6	7	8	9
	Inches.									
0	0·00	0·04	0·08	0·12	0·16	0·20	0·24	0·28	0·32	0·35
10	0·39	0·43	0·47	0·51	0·55	0·59	0·63	0·67	0·71	0·75
20	0·79	0·83	0·87	0·91	0·95	0·98	1·02	1·06	1·10	1·14
30	1·18	1·22	1·26	1·30	1·34	1·38	1·42	1·46	1·50	1·54
40	1·58	1·61	1·65	1·69	1·73	1·77	1·81	1·85	1·89	1·93
50	1·97	2·01	2·05	2·09	2·13	2·17	2·21	2·24	2·28	2·32
60	2·36	2·40	2·44	2·48	2·52	2·56	2·60	2·64	2·68	2·72
70	2·76	2·80	2·84	2·87	2·91	2·95	2·99	3·03	3·07	3·11
80	3·15	3·19	3·23	3·27	3·31	3·35	3·39	3·43	3·47	3·50
90	3·54	3·58	3·62	3·66	3·70	3·74	3·78	3·82	3·86	3·90

Wind Velocity.

Equivalents of Miles-per-Hour in Metres-per-Second.

Miles per Hour.	0	1	2	3	4	5	6	7	8	9
	Metres per Second.									
0	0·0	0·4	0·9	1·3	1·8	2·2	2·7	3·1	3·6	4·0
10	4·5	4·9	5·4	5·8	6·3	6·7	7·2	7·6	8·0	8·5
20	8·9	9·4	9·8	10·3	10·7	11·2	11·6	12·1	12·5	13·0
30	13·4	13·9	14·3	14·8	15·2	15·6	16·1	16·5	17·0	17·4
40	17·9	18·3	18·8	19·2	19·7	20·1	20·6	21·0	21·5	21·9
50	22·4	22·8	23·2	23·7	24·1	24·6	25·0	25·5	25·9	26·4
60	26·8	27·3	27·7	28·2	28·6	29·1	29·5	30·0	30·4	30·8
70	31·3	31·7	32·2	32·6	33·1	33·5	34·0	34·4	34·9	35·3
80	35·8	36·2	36·7	37·1	37·6	38·0	38·4	38·9	39·3	39·8
90	40·2	40·7	41·1	41·6	42·0	42·5	42·9	43·4	43·8	44·3

Equivalents of Metres-per-Second in Miles-per-Hour.

Metres per Second.	0	1	2	3	4	5	6	7	8	9
	Miles per Hour.									
0	0·0	2·2	4·5	6·7	9·0	11·2	13·4	15·7	17·9	20·1
10	22·4	24·6	26·8	29·1	31·3	33·6	35·8	38·0	40·3	42·5
20	44·7	47·0	49·2	51·5	53·7	55·9	58·2	60·4	62·6	64·9
30	67·1	69·4	71·6	73·8	76·1	78·3	80·5	82·8	85·0	87·2
40	89·5	91·7	94·0	96·2	98·4	100·7	102·9	105·1	107·4	109·6

SPECIFICATION OF THE BEAUFORT SCALE OF WIND FORCE WITH PROBABLE EQUIVALENTS OF THE NUMBERS OF THE SCALE.

Beaufort Number.	General Description of Wind.	Specification of Beaufort Scale. For Coast Use, based on Observations made at Scilly, Yarmouth, and Holyhead.	Specification of Beaufort Scale. For use on Land, based on Observations made at Land Stations.	Mean wind force at standard density. mb.	Mean wind force at standard density. Lbs. per sq. ft.	Equivalent velocity in miles per hour.‡	Limits of Velocities.§ Statute Miles per Hour.	Limits of Velocities.§ Metres per Second	Beaufort Number.
0	Calm	Calm	Calm; smoke rises vertically	0	0	0	Less than 1	Less than 0·3	0
1	Light air ...	Fishing smack* just has steerage way.	Direction of wind shown by smoke drift, but not by wind vanes.	·01	·01	2	1–3	0·3–1·5	1
2	Slight breeze...	Wind fills the sails of smacks, which then move at about 1–2 miles per hour.	Wind felt on face; leaves rustle; ordinary vane moved by wind.	·04	·08	5	4–7	1·6–3·3	2
3	Gentle breeze	Smacks begin to careen, and travel about 3-4 miles per hour.	Leaves and small twigs in constant motion; wind extends light flag.	·13	·28	10	8–12	3·4–5·4	3
4	Moderate breeze	Good working breeze; smacks carry all canvas, with good list.	Raises dust and loose paper; small branches are moved.	·32	·67	15	13–18	5·5–8·0	4
5	Fresh breeze ...	Smacks shorten sail	Small trees in leaf begin to sway; crested wavelets form on inland waters.	·62	1·31	21	19–24	8·1–10·7	5
6	Strong breeze	Smacks have double reef in main sail. Care required when fishing.	Large branches in motion; whistling heard in telegraph wires; umbrellas used with difficulty.	1·1	2·3	27	25–31	10·8–13·8	6
7	High wind ...	Smacks remain in harbour, and those at sea lie to.	Whole trees in motion; inconvenience felt when walking against wind.	1·7	3·6	35	32–38	13·9–17·1	7
8	Gale	All smacks make for harbour, if near.	Breaks twigs off trees; generally impedes progress.	2·6	5·4	42	39–46	17·2–20·7	8
9	Strong gale ...	... ...	Slight structural damage occurs (chimney pots and slates removed).	3·7	7·7	50	47–54	20·8–24·4	9
10	Whole gale ...	... ...	Seldom experienced inland; trees uprooted; considerable structural damage occurs.	5·0	10·5	59	55–63	24·5–28·4	10
11	Storm	... ...	Very rarely experienced; accompanied by widespread damage.	6·7	14·0	68	64–75	28·5–33·5	11
12	Hurricane ...	... ...	... ...	8·1	Above 17·0	Above 75	Above 75	33·6 and above.	12

* The fishing smack in this column may be taken as representing a trawler of average type and trim. For larger or smaller boats and for special circumstances allowance must be made.

‡ For converting estimates on the Beaufort scale into miles per hour (anemometer factor, 2·2).

§ For finding the Beaufort number corresponding to a velocity expressed in miles per hour.

The Beaufort Scale of Weather Notation, as used in the Daily Weather Report.

b = blue sky, *i.e.*, sky quite clear, or not more than a quarter clouded.
bc = sky $\frac{1}{4}$ to $\frac{1}{2}$ clouded.
c = sky $\frac{1}{2}$ to $\frac{3}{4}$ clouded.
o = sky overcast, more than three-quarters clouded.
g = gloom.
m = mist.
f = fog.
r = rain.

d = drizzling rain.
e = wet air, without rain falling.
p = passing showers.
h = hail.
s = snow.
t = thunder.
l = lightning.
tl = thunderstorm.
tlr = thunderstorm, accompanied by rain.
q = squalls.

u = ugly threatening sky.
v = visibility, *i.e.*, great transparency, or clearness, of the air, rendering distant objects unusually visible.
w = unusually heavy dew.
x = hoar frost.
z = dust-haze, or smoke.

Scale for Sea Disturbance.

	Description.	Condition of Surface.
0	Calm	Glassy.
1	Very smooth	Slightly rippled.
2	Smooth	Rippled.
3	Slight	Rocks buoy, or small boat.
4	Moderate	Furrowed.
5	Rather rough	Much disturbed.
6	Rough	Deeply furrowed.
7	High	Rollers with steep fronts.
8	Very high	Rollers with steep fronts.
9	Phenomenal	Precipitous; towering.

DAILY WEATHER REPORT. APPENDIX I.

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

SECOND QUARTER, APRIL TO JUNE.

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

	STATIONS.	PRESSURE. 1906-1910. 7 a.m. Observations (reduced to M.S. Level and to Lat. 45°).	AIR TEMPERATURE. Means of 1906-1910. Dry Bulb 7 a.m.	Means of 1906-1910. Wet Bulb 7 a.m.	Means of 1876-1910. Daily Maximum.	Means of 1876-1910. Daily Minimum.	Absolute Extremes. 1876-1910. Maximum. Temp.	Maximum. Year.	Minimum. Temp.	Minimum. Year.	RAINFALL. 1876-1910. Days with Rain.	Total Fall.	BRIGHT SUNSHINE. 1881-1910. Average Duration.	Per Centage of Possible Duration.
		In.	°	°	°	°	°		°			In.	Hr.	%
APRIL.	Sumburgh Head	29·844	39·8	38·2	45·9	36·9	59	1901	21	1899	19	2·02	—	—
	Stornoway	29·865	40·6	39·2	49·1	37·2	67	1893	20	1881	18	2·77	159	37
	Castlebay (Barra Isd.)	[29·876]‡‡	[42·3]‡‡	[40·5]‡‡	[47·2]‡‡	[39·7]‡‡	[54]‡‡	[1908]‡‡	[27]‡‡	[1908]‡‡	[21]‡‡	[3·26]‡‡	[177]‡‡	[42]‡‡
	Malin Head	29·867	42·3	40·9	[49·4]‡	[40·7]‡	[67]‡	[1900]‡	[26]‡	[1908]‡	[19]‡	[1·90]‡	—	—
	Blacksod Point	29·914	45·0	43·0	[51·4]‡	[41·9]‡	[71]‡	[1893]‡	[29]‡	[1897]‡	[20]‡	[2·95]‡	—	—
	Valencia	29·955	44·9	43·0	53·4	42·5	70	1892	30	1879, 92, 97, 98, 06	20	3·93	159	39
	Roche's Point	29·957	44·2	43·1	52·9	42·2	72	1893	29	1908	16	3·14	—	—
	Birr Castle	29·940	42·7	41·3	54·0	38·1	73	1893	21	1892	16	2·21	153	37
	Donaghadee	29·933	41·5	40·1	50·7	40·1	67	1909	28	1908	16	2·07	—	—
	Liverpool (Observatory)	29·936	42·3	40·2	52·3	40·1	75	1893	28	1908	14	1·69	[175]‡‡	[42]‡‡
	Holyhead	29·926	44·1	42·4	51·0	41·4	75	1893	30	1908	15	2·14	—	—
	Pembroke (St. Ann's Hd.)	29·929	43·2	42·0	50·3	41·9	70	1893	29	1908	15	2·11	178	43
	Scilly (St. Mary's)	30·066	45·9	44·0	52·6	44·7	66	1893	32	1876	16	2·13	181	44
	Jersey (St. Aubin's)	29·961	46·2	43·9	54·3	43·6	77	1893	32	1876, 92, 00, 03, 08, 10.	15	2·13	193	47
	Portland Bill	29·938	44·1	42·3	51·7	42·3	[65]‡	[1901, 04]‡	[30]‡	[1908]‡	13	1·65	—	—
	Dungeness	29·922	43·8	42·2	51·5	40·7	67	1901	24	1903	13	[1·34]‡	—	—
	Dover	[29·944]‡‡	[43·9]‡‡	[42·3]‡‡	[52·0]‡‡	[39·6]‡‡	[65]‡‡	[1909]‡‡	[29]‡‡	[1908]‡‡	[15]‡‡	[1·94]‡‡	[200]‡‡	[49]‡‡
	Wick	29·859	40·3	38·5	49·1	36·7	69	1900	20	1905	18	1·96	—	—
	Nairn	29·872	39·7	37·5	51·4	36·0	71	1900	18	1908	16	1·45	[144]**	[34]**
	Aberdeen	29·899	41·3	39·5	49·5	37·6	74	1900	22	1908	18	2·09	157	37
	Leith	29·904	42·2	40·0	52·2	37·8	73	1900	17	1908	14	1·46	—	—
	North Shields	29·915	41·0	39·4	49·9	37·7	71	1892	23	1908	15	1·63	—	—
	Spurn Head	29·909	42·4	41·0	49·2	40·0	[67]*	[1885]*	[30]*	[1881, 89, 03, 05]*	14	1·19	—	—
	Yarmouth	29·921	42·8	40·7	49·4	39·7	72	1885	25	1878	15	1·61	[206]‡‡	[50]‡‡
	Clacton-on-Sea	29·936	43·4	41·5	50·7	40·1	[69]§	[1907, 09]§	[29]§	[1903]§	12	1·50	[188]¶	[46]¶
	Nottingham	29·937	42·5	39·8	54·1	37·9	79	1876	23	1888	16	1·63	[152]‖	[37]‖
	Bath	29·960	42·7	40·9	54·6	38·7	[74]†	[1901]†	[26]†	[1906, 08]†	13	2·17	149	36
	Oxford	29·965	43·7	41·1	54·9	38·6	80	1893	23	1892	14	1·73	153	37
	LONDON { Westminster	29·941	43·0	41·2	[54·9]¶	[40·2]¶	[72]¶	[1907]¶	[29]¶	[1910]¶	[16]¶	[1·80]¶	121	29
	LONDON { Kew	29·957	42·5	40·3	54·7	39·5	80	1900, 01 1893	27	1887, 91	13	1·66	153	37
MAY.	Sumburgh Head	29·904	43·8	42·1	49·9	40·2	63	1895	27	1877	18	1·91	—	—
	Stornoway	29·893	46·4	44·5	53·3	41·2	75	1908	26	1906	19	2·53	192	37
	Castlebay (Barra Isd.)	[29·940]‡‡	[48·2]‡‡	[46·1]‡‡	[53·7]‡‡	[45·3]‡‡	[70]‡‡	[1908, 10]‡‡	[32]‡‡	[1909]‡‡	[21]‡‡	[2·45]‡‡	[220]‡‡	[44]‡‡
	Malin Head	29·868	46·9	46·0	[54·1]‡	[44·9]‡	[73]‡	[1908]‡	[35]‡	1886, 91, 97, 04, 06, 10	[18]‡	[2·10]‡	—	—
	Blacksod Point	29·890	49·3	47·5	[55·9]‡	[45·9]‡	[75]‡	[1890]‡	[34]‡	[1910]‡	[19]‡	[2·87]‡	—	—
	Valencia	29·915	50·1	48·1	57·6	46·0	74	1884, 95, 97	34	1877, 85, 96	18	3·15	207	43
	Roche's Point	29·938	49·7	48·2	57·7	46·3	73	1896	35	1909	15	2·59	—	—
	Birr Castle	29·925	50·1	48·0	59·6	42·5	77	1881, 95	28	1877	15	2·29	185	38
	Donaghadee	29·929	46·8	45·3	55·8	44·0	70	1896	33	1909	16	2·35	—	—
	Liverpool (Observatory)	29·946	49·1	46·7	58·0	45·0	80	1895	30	1883	15	1·99	[239]‡‡	[49]‡‡
	Holyhead	29·927	49·7	48·0	55·8	45·6	74	1895	37	1894, 03, 07, 09	14	1·97	—	—
	Pembroke (St. Ann's Hd.)	29·926	48·5	47·3	55·0	45·9	72	1890, 1910	34	1879	14	1·94	219	46
	Scilly (St. Mary's)	30·054	50·2	48·6	56·4	48·2	67	1896	38	1883	13	1·74	231	49
	Jersey (St. Aubin's)	29·976	52·4	49·9	59·5	47·6	78	1908	35	1905, 06	13	1·90	244	52
	Portland Bill	29·951	49·7	48·1	56·8	46·5	[72]‡	[1910]‡	[36]‡	[1902]‡	12	1·47	—	—
	Dungeness	29·951	50·3	48·7	57·3	46·0	76	1892	30	1892, 02	12	[1·34]‡	—	—
	Dover	[30·034]‡‡	[51·5]‡‡	[49·1]‡‡	[58·9]‡‡	[45·7]‡‡	[77]‡‡	[1909]‡‡	[35]‡‡	[1909, 10]‡‡	[12]‡‡	[1·70]‡‡	[250]‡‡	[52]‡‡
	Wick	29·897	45·8	43·6	53·8	40·6	71	1891	24	1876	18	2·05	—	—
	Nairn	29·897	46·4	44·1	56·6	40·9	78	1888	26	1894	16	1·75	[177]**	[35]**
	Aberdeen	29·923	47·5	45·3	54·6	41·7	75	1902	29	1884, 91	17	2·27	187	37
	Leith	29·914	48·0	45·6	57·4	42·5	81	1881	27	1883	15	1·83	—	—
	North Shields	29·932	48·1	46·1	54·5	42·3	73	1903	29	1891, 09	14	1·91	—	—
	Spurn Head	29·935	49·2	47·2	54·6	45·0	[75]*	[1883]*	[34]*	[1891]*	13	1·51	—	—
	Yarmouth	29·950	50·2	47·6	55·3	44·9	75	1909	32	1891, 92	14	1·80	[261]‡‡	[54]‡‡
	Clacton-on-Sea	29·961	50·7	48·4	56·7	45·1	[75]§	[1909]§	[31]§	[1902]§	10	1·38	[231]¶	[48]¶
	Nottingham	29·953	49·7	48·0	60·2	42·8	82	1895	25	1879	16	1·95	[174]‖	[36]‖
	Bath	29·973	50·9	48·6	61·2	43·8	[79]†	[1884, 1909]†	[29]†	[1902]†	13	2·03	211	44
	Oxford	29·976	51·9	48·6	60·9	43·7	83	1895	28	1877	13	1·85	195	41
	LONDON { Westminster	29·958	51·2	48·6	[62·3]¶	[46·7]¶	[81]¶	[1909]¶	[33]¶	[1906]¶	[12]¶	[1·51]¶	171	36
	LONDON { Kew	29·973	50·7	48·0	61·1	44·5	84	1895	30	1877	13	1·76	201	42
JUNE.	Sumburgh Head	29·924	48·0	46·7	54·0	44·9	70	1891	33	1888	15	1·71	—	—
	Stornoway	29·951	51·0	48·9	58·4	46·3	76	1893, 02, 05	31	1888	16	2·42	179	34
	Castlebay (Barra Isd.)	[30·010]‡‡	[51·9]‡‡	[49·6]‡‡	[57·2]‡‡	[49·1]‡‡	[71]‡‡	[1908, 10]‡‡	[44]‡‡	[1908, 10]‡‡	[14]‡‡	[1·94]‡‡	[209]‡‡	[40]‡‡
	Malin Head	29·947	51·5	50·3	[58·8]‡	[49·8]‡	[78]‡	[1905]‡	[40]‡	[1902, 07]‡	[16]‡	[2·16]‡	—	—
	Blacksod Point	29·982	53·6	51·7	[60·8]‡	[51·0]‡	[82]‡	[1887]‡	[40]‡	[1894, 07]‡	[17]‡	[2·78]‡	—	—
	Valencia	30·014	54·2	52·2	62·2	51·0	81	1887, 02	38	1903	17	3·37	190	39
	Roche's Point	30·016	54·3	52·5	63·0	51·4	80	1876, 87	41	1881	13	3·05	—	—
	Birr Castle	29·999	54·4	52·3	64·9	48·7	85	1887	32	1881	15	2·45	165	33
	Donaghadee	29·985	51·4	49·8	60·9	49·2	77	1887	36	1880	15	2·34	—	—
	Liverpool (Observatory)	29·994	53·5	51·1	63·7	51·1	85	1878, 93	40	1903, 07	14	2·25	[198]‡‡	[40]‡‡
	Holyhead	29·986	53·8	52·3	61·2	50·8	83	1878	42	1882	14	2·25	—	—
	Pembroke (St. Ann's Hd.)	29·992	52·7	51·4	60·1	51·4	79	1893	38	1888	13	2·04	223	46
	Scilly (St. Mary's)	30·135	54·4	52·6	61·3	53·2	75	1893	41	1888	14	1·76	238	49
	Jersey (St. Aubin's)	30·059	56·7	54·3	64·8	52·9	84	1878, 93	39	1890	12	2·09	239	50
	Portland Bill	30·004	54·1	52·4	61·9	52·1	[78]‡	[1903]‡	[43]‡	[1903]‡	10	1·51	—	—
	Dungeness	29·987	55·3	53·1	62·8	52·0	77	1878	37	1890, 1, 2, 3, 09	12	[1·56]‡	—	—
	Dover	[29·990]‡‡	[55·8]‡‡	[53·4]‡‡	[63·1]‡‡	[50·4]‡‡	[80]‡‡	[1908]‡‡	[39]‡‡	[1909]‡‡	[14]‡‡	[2·53]‡‡	[207]‡‡	[42]‡‡
	Wick	29·939	50·3	48·2	58·5	45·4	79	1878	30	1881, 1903	15	1·82	—	—
	Nairn	29·948	51·5	48·9	62·2	46·5	86	1876	30	1888, 1903	15	1·82	[163]**	[31]**
	Aberdeen	29·964	52·8	49·9	60·2	47·0	80	1881, 87	30	1888	15	1·82	184	35
	Leith	29·962	53·4	50·2	63·1	48·2	86	1887	34	1886	14	1·82	—	—
	North Shields	29·973	52·9	50·6	60·5	47·9	80	1897	36	1907, 09	13	1·81	—	—
	Spurn Head	29·967	53·5	51·4	60·5	50·7	[80]*	[1885]*	[34]*	[1881]*	12	1·50	—	—
	Yarmouth	29·974	54·7	52·1	61·8	51·1	81	1877, 88	37	1898	12	1·78	[212]‡‡	[43]‡‡
	Clacton-on-Sea	29·990	55·4	53·0	63·5	50·7	[78]§	[1903]§	[38]§	[1902]§	11	1·62	[204]¶	[42]¶
	Nottingham	29·989	54·1	51·8	67·1	48·7	89	1878	33	1906	14	2·11	[174]‖	[35]‖
	Bath	30·024	55·2	52·4	66·6	49·9	[87]†	[1878]†	[37]†	[1903]†	11	2·42	193	39
	Oxford	30·019	55·7	52·5	66·9	50·0	86	1876, 93	35	1892, 93	12	2·33	191	39
	LONDON { Westminster	29·994	55·4	52·5	[66·5]¶	[51·8]¶	[81]¶	[1908]¶	[43]¶	[1906, 09]¶	[14]¶	[2·75]¶	168	34
	LONDON { Kew	30·010	55·1	52·0	67·5	50·8	87	1900	37	1880	13	2·25	194	40

* Results for 30 years, 1881-1910.
† " 26 " 1876-1884 and 1899-1910.
‡ " 25 " 1886-1910.
At Birr Castle and Oxford the averages are for 8 a.m.

‡ Results for 11 years, 1900-1910.
§ " 10 " 1901-1910.
‖ " 7 " 1904-1910.

¶ Results for 6 years, 1905-1910.
** " 4 years, 1907-1910.
‡‡ " 3 " 1908-1910.

METEOROLOGICAL OFFICE,
South Kensington, London, S.W.
May, 1911.

(20066—24.) Wt 40665—7402. 4000. 5/11. D & S.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

Friday, 1st May, 1914.

	STATIONS.	YESTERDAY EVENING. Barom. Millibars at M.S.L.	Temp.	Wind Direc.	Wind Force 0-12.	Weather.	THIS MORNING 7 A.M., G.M.T. Barometer. Millibars at M.S.L.	Change in 3 hours.	Temp. Dry Bulb.	Change in 24 hours	Wind Direc.	Wind Force 0-12.	Direc. of Upper Cloud	Weather.	Sea 0-9.	PAST 24 HOURS. Rainfall. Millimetres.	Temp. Max.	Temp. Min.	Weather Morning.	Weather Afternoon.	Weather Night.	Sunshine for Yesterday.
			°F.					‡	°F.								°F.	°F.				Hours
BRITISH ISLANDS.	Lerwick ...	1025·8	36	NNW	4	c	1027·4	+2	36	-1	NNW	3	N	cq	3	0·5	39	31	c.o.c	cqph	cpcq	*
	Stornoway ...	1026·4	41	NE	6	oq	1028·9	+3	39	-3	NE	4	NE	o	4	0·5	45	36	c.opq	o.c.oq	o	1·2
	Castlebay (Barra Isd.)	1023·7	42	NNE	5	bc	1025·9	+3	42	-3	ENE	4	O	c	4	–	47	39	bc	bcq	c.bq.c	8·2
	Glasgow ...	1022·2	42	ENE	3	oq	1027·2	+4	38	-7	E	4	W	o	*	–	48	37	o	o	o	0·0
	Eskdalemuir ...	1021·4	43	NE	4	ou	1027·2	+3	36	-8	NNE	3	E	o	*	0·5	53	35	o	o	o	0·4
	Malin Head ...	1020·2	48	NE	3	m	1024·2	+3	44	-3	SE	4	-	o	4	–	50	43	oz	oz	om	*
	Blacksod Point	1018·0	53	NE	4	cz	1021·0	+1	48	-1	E	2	E	c	3	–	54	41	bz.c	cz	cz	*
	Valencia ...	1015·6	61	NE	2	bz	1018·3	+2	52	+4	-	0	0	cz	2	–	64	46	bcz	bcz	bcz	8·2
	Roche's Point	1015·2	57	SE	3	o	1020·6	*	50	+1	E	3	SE	o	3	0·5	65	49	o.b	b.od	bm.om	*
	Birr Castle ...	1016·6	57	NE	2	m	1021·3	*	46	+3	SE	1	*	b	*	–	61	42	c	czfb	b	12·3
	Donaghadee ...	1019·3	52	E	2	bcz	1025·1	+4	45	-3	SE	5	SE	om	4	–	56	45	bz	bcz	bc.o.om	*
	Liverpool (Bidston)	1018·5	52	E	2	o	1024·9	+3	44	-2	E	1	E	bc	2	–	52	41	o	bc	cm	0·0
	Holyhead ...	1017·8	52	E	1	bqm	1024·3	+3	45	-5	E	4	NE	bcv	3	–	54	40	bqm	bmomb	o.c.bcv	8·8
	Pembroke (St. Ann's)	1015·4	53	–	0	c	1022·2	+3	45	-5	ESE	5	SE	b	3	–	54	43	cm	cqm	cm.bc	6·0
	Newquay ...	1013·2	58	SE	1	cz	1021·7	+4	46	-6	E	4	o	o	2	–	62	46	bcz.bz	bz.cz	oz.oq	7·5
	Scilly (St. Mary's)	1013·5	55	ESE	3	bcm	1018·5	+2	50	-2	ESE	4	E	odm	3	–	62	49	bcm	bcm	om	10·1
	Jersey (St. Aubin)	1013·2	57	ENE	3	om	1019·3	*	48	-7	NE	4	NE	o	4	1	66	48	opmcm	om	om.o	3·7
	Portland Bill ...	1013·7	52	NE	3	o	1022·1	+6	45	-6	ENE	6	NE	c	4	2	56	45	c.op	o	o.c	*
	Dungeness ...	1013·5	50	NE	5	r	1019·9	+4	46	-4	NE	5	NE	c	5	0·5	53	44	op.o	op	ogp.c	*
	Dover	1014·9	47	N	6	r	1020·3	*	43	-6	NNE	6	*	c	6	0·5	51	42	om.c	c.op	p.c.bc.c	0·0
	Wick	1025·7	39	NNE	4	o	1027·9	+2	37	-4	N	3	o	c	3	0·5	41	34	om	omops	om.c	*
	Nairn	1025·6	39	ENE	4	or	1028·8	*	39	-4	ENE	2	–	bc	2	1	43	34	d.o	oe.d	og	0·0
	Aberdeen ...	1024·9	40	NE	3	r	1028·3	+2	38	-5	N	3	N	o	3	1	46	35	od	od	od.o	0·0
	Leith	1022·6	43	NE	3	o	1027·6	+4	40	-8	NE	3	o	o	*	2	49	39	og	og.od	r.o	*
	North Shields ...	1021·6	46	E	2	o	1026·0	+4	42	-5	N	4	–	og	5	2	46	41	bc	c.o	op	4·0
	Spurn Head ...	1019·3	46	ENE	5	bc	1022·7	+3	44	-3	NE	5	NE	cp	5	?0·5	49	41	.c	bc	bc	0·7
	Yarmouth ...	1018·0	46	NE	6	o	1022·3	+4	45	0	NE	4	NE	bc	3	–	49	43	o	o	o.bc	0·8
	Clacton-on-Sea	1015·9	47	NE	5	og	1021·3	+5	45	-2	NE	5	NE	bc	4	–	51	41	ogp	og	og.bc	0·5
	Nottingham ...	1019·9	44	E	5	o	1024·4	*	43	-2	NE	3	NE	c	*	0·5	50	38	dm.o	op	o.c	0·0
	Bath	1015·9	52	E	3	o	1023·3	*	45	-2	E	4	?	bc	*	–	56	40	m.o	mg	g.oq.bc	0·1
	London (Kew Obsy.)	1016·8	50	NE	4	om	1023·5	+6	44	-2	ENE	4	NE	bc	*	–	53	40	om	om	om.oq	0·0
ICELAND, FAEROE, &c.	Spitzbergen ...	1007·8	14	ENE	3	bc	1007·3	+2	12	-2	NE	5	*	b	*	*	30	1				
	Isafjord... ...	1032·3	33	W	2	b	1021·0	-7	32	-11	W	3	*	o	*	*	*	*				
	Reykjavik ...	1033·6	34	N	1	b	1025·2	-4	35	+11	–	0	*	c	*	*	*	*				
	Vestmanna ...	1032·0	37	E	2	b	1026·1	-4	35	+4	–	0	*	bc	0	*	*	*				
	Seydisfjord ...	1032·0	39	NW	2	b	1025·2	-4	29	+9	NE	1	*	b	*	*	*	*				
	Thorshavn ...	1029·5	33	N	5	o	1028·3	-1	34	+2	W	2	*	c	*	*	*	*				
NORTHERN EUROPE.	Vardö	990·4	30	NW	8	o	991·7	+1	28	-2	NW	9	-	o	4	*	30	25				
	Bodö	1003·8	32	W	4	b	1004·7	+2	36	+2	NW	3	o	c	2	–	36	30				
	Christiansund	1014·1	34	NW	4	c	1012·3	+1	32	-2	NW	6	-	c	5	9	36	28				
	Skudesnaes ..	1018·6	37	NNW	5	c	1019·3	+1	34	-2	WSW	4	–	c	3	?	45	36				
	Færder (Christiania Fjord)	1011·9	43	NW	4	b	1013·0	+1	36	-4	N	4	N	b	1	–	46	36				
	The Scaw (Skagen)	1012·3	48	WNW	4	b	1012·3	?	44	+2	NNW	5	-	b	?	10	50	39				
	Blaavands Huk	1015·5	43	N	4	bc	1017·0	+2	41	-2	N	5	-	bc	5	–	46	39				
	Haparanda ...	998·0	36	NW	2	bc	1001·2	+2	32	-2	N	2	N	b	*	–	45	27				
	Hernösand ...	1005·2	39	W	4	b	1006·3	0	36	-1	W	6	N	b	*	–	45	30				
	Stockholm ...	1008·4	41	SSE	2	o	1009·1	0	37	-5	NW	2	–	b	*	–	50	32				
	Wisby	1009·0	43	W	2	b	1009·7	+1	45	+2	N	2	-	b	*	–	48	34				
	Karlstad	1010·1	45	–	0	b	1011·9	+3	37	-3	NNW	2	–	b	*	–	50	28				
	St. Petersburg														*		*					
CENTRAL EUROPE.	Berlin	1009·7	61	N	3	c	1012·0	+2	45	-10	N	3	o	o	*	0·5	72	43				
	Frankfurt... ...	1010·6	59	–	0	c	1012·3	+4	46	-12	NE	2	–	o	*	6	70	46				
	Munich	1009·6	61	NE	2	bc	1009·3	0	57	+2	SW	4	SW	c	*	1	72	48				
	Vienna														*							
	Cuxhaven ...	1014·4	45	NNE	5	b	1015·7	0	45	-1	NNE	4	-	o	2	–	48	43				
	The Helder ...	1016·8	46	NNE	6	c	1020·2	+3	45	-5	N	5	–	c	3	–	50	43				
	Brussels	*	*	*	*	*	1018·0	+6	43	-17	NE	3	-	o	*	4	66	41				
FRANCE.	C. Gris Nez ...	1013·1	48	NE	6	o	1019·1	+5	46	-5	NE	7	*	o	6	2	52	43				
	La Hève	1012·2	50	NE	2	f	1018·7	*	45	-9	NE	2	*	o	1	14	64	43				
	Ushant	1013·9	55	NE	2	bc	1016·2	*	54	-1	E	3	*	b	3	–	61	48				
	Brest (St. Mathieu)	1013·7	62	N	1	m	1019·1	+2	51	-3	E	2	*	m	1	–	63	50				
	Rochefort (Ile d'Aix)	1014·0	65	W	4	r	1016·7	+2	55	+1	W	3	*	o	*	2	61	54				
	Biarritz	1016·8	59	WSW	3	c	1018·1	+1	56	+1	S	2	*	bc	2	1	61	50				
	Paris	1011·4	61	NW	2	o	1016·3	+6	43	-13	NNE	3	–	o	*	2	64	43				
	Belfort	1011·9	64	WSW	4	c	1013·3	*	49	-4	WSW	6	*	r	*	10	67	48				
	Lyons	1012·7	60	NW	1	o	1016·4	*	51	-4	–	o	*	r	*	16	64	49				
	Nice	1015·9	58	SE	3	bc	1012·7	0	58	-2	W	1	*	b	2	15	72	48				
	Perpignan ..	1015·5	57	N	1	o	1018·6	+2	57	-4	S	1	SW	bc	*	6	68	?				
	Sanguinaire ...	*	62	N	1	m	*	*	61	-1	E	2	*	m	2	–	66	54				
SOUTHERN EUROPE.	Corunna (7 a.m.)	1017·7	57	W	3	o	1016·7	-2	50	-3	W	1	W	bc	2	?	59	46				
	Madrid (8 a.m.) ...	1013·9	66	W	1	b	1017·9	+2	55	+1	NE	1	–	b	*	–	68	50				
	Lisbon (9 a.m.)	1015·0	64	WNW	3	bc	1014·9	0	55	-5	NNW	1	W	o	2	–	68	54				
	Gibraltar	1014·5	63	E	4	b	1014·9	*	62	+5	E	4	-	c	2	–	70	56				
	Rome														*							
	Azores (Horta, 8 a.m.)	999·9	*	WSW	5	c	999·4	+9	59	-2	W	4	*	c	6	11	63	57				
	Madeira (Funchal)	1017·1	63	N	2	bc	1016·0	+1	64	+3	N	2	–	r	2	1	66	61				

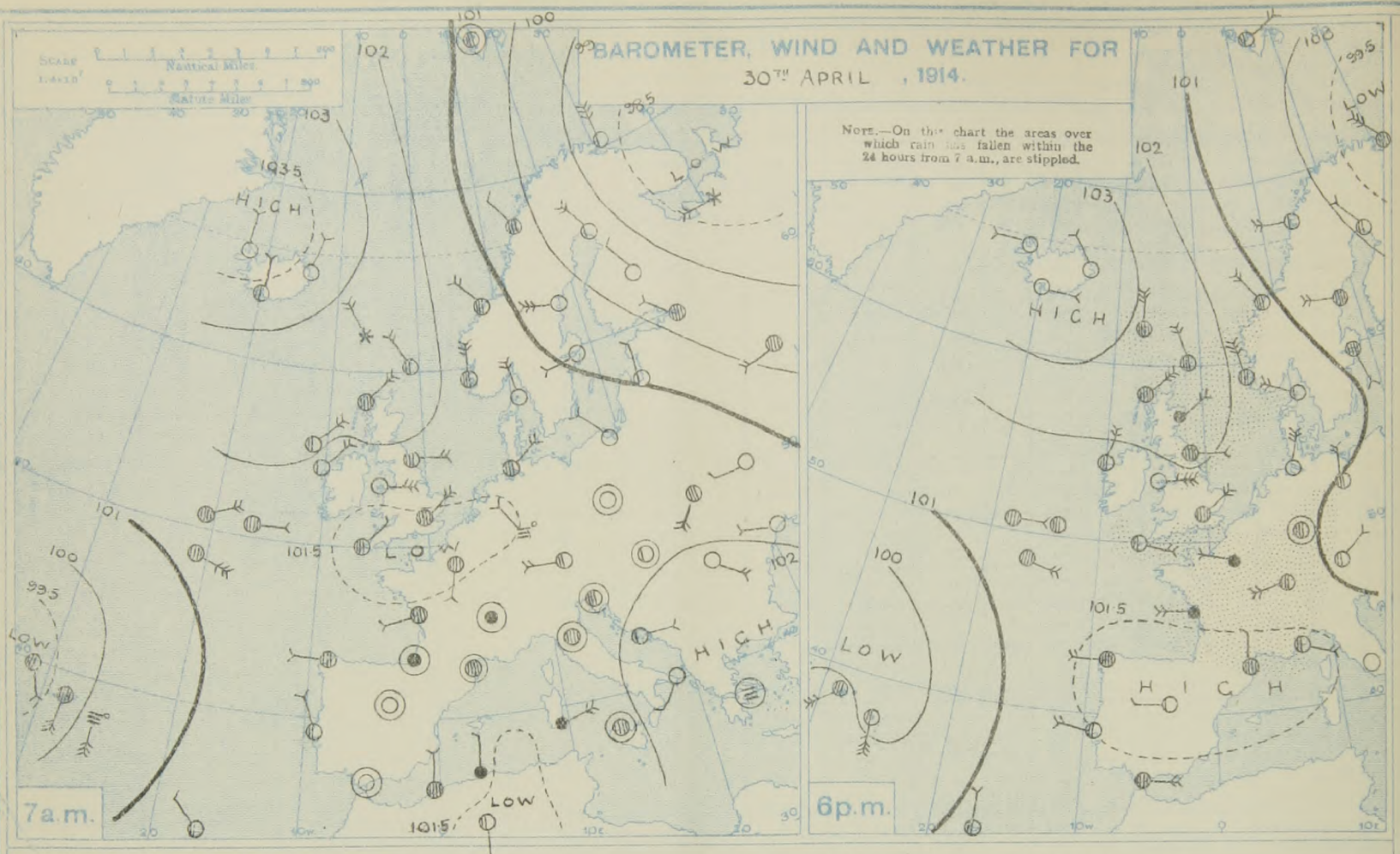
* Information for these columns not usually received. † Received too late for insertion in Charts. ‡ The barometric change is expressed in half-millibars.

Equivalents of Millibars in Inches.

Millibars.	Inches of Mercury at 32° F. in Lat. 45.
940	27·76
950	28·05
960	28·35
970	28·65
980	28·94
990	29·24
1000	29·53
1010	29·83
1020	30·12
1030	30·42
1040	30·71
1050	31·01

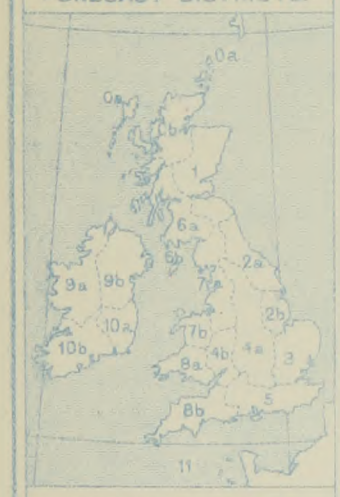
1,000 millibars are equivalent to 14½ lbs. per square inch (in Lat. 45).

100 millibars to one pound and a half per square inch.



FORECASTS FOR THE 24 HOURS NOON FRIDAY TO NOON SATURDAY.

FORECAST DISTRICTS.



STORM WARNINGS.

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

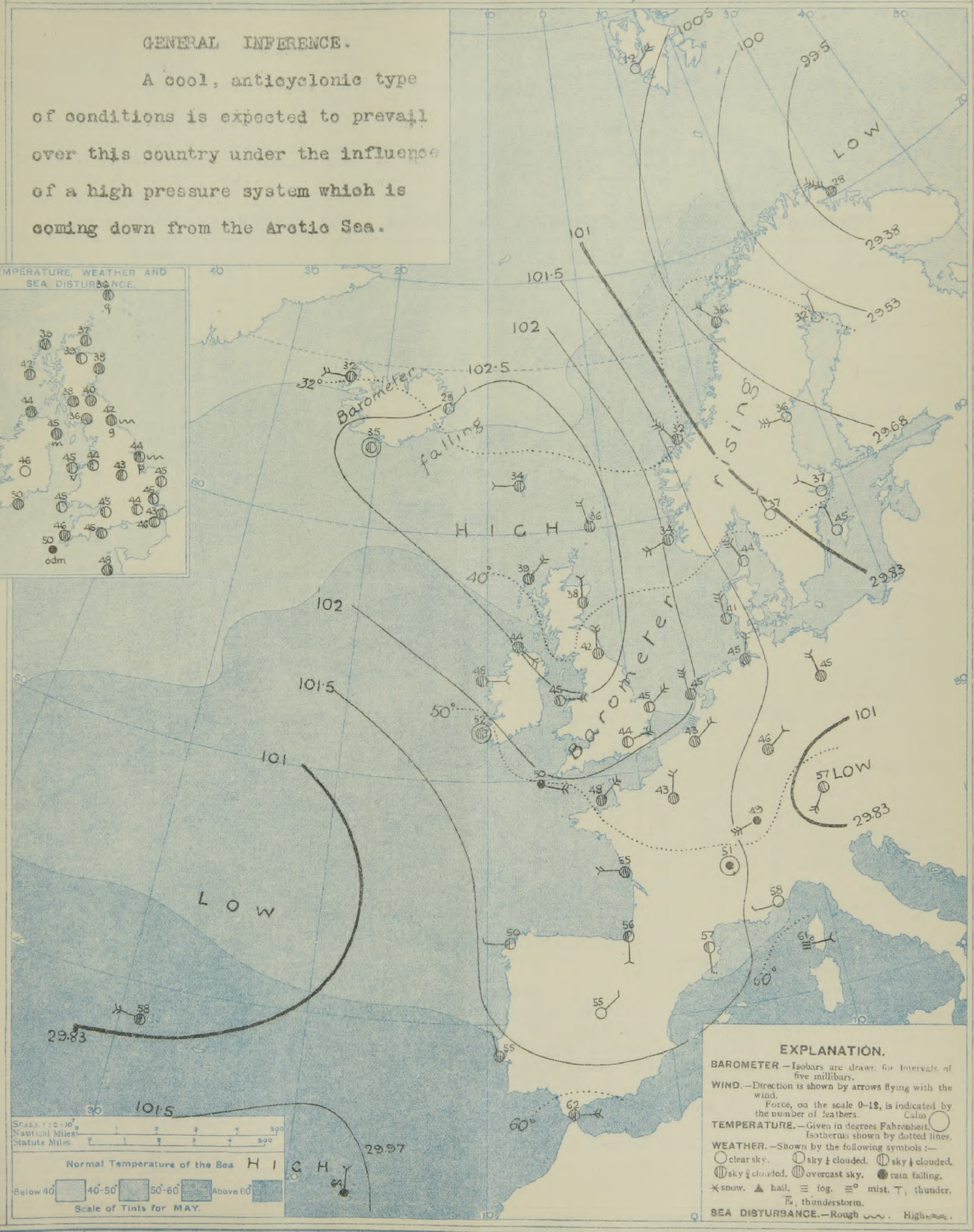
Signals hoisted yesterday.	Signals hoisted this morning.
South Cone.	South Cone.
North Cone.	North Cone.

No Warnings Issued.

0 a, b, 1	Light to moderate North-Easterly to Northerly breezes; cloudy to fair or fine; rather cold, local night frost.
2 a, b	North-Easterly and Northerly breezes, fresh at times locally; cloudy to fine, slight local showers; cool, ground frost locally.
3, 4 a, b, 5	North-Easterly breezes, moderate to fresh, but strong at times locally; fair to fine, some local showers; cool, some ground frost in night.
6 a, b	Light to moderate Easterly and South-Easterly breezes; cloudy to fine; rather cold, some night frost.
7 a, b	Same as No. 2.
8 a, b	Moderate Easterly breezes; fair to fine, some local showers; cool.
9 a, b, 10 a, b	Light to moderate South-Easterly breezes; cloudy to fine, some local showers; cool.
Western Channel and Bay. 11	Moderate Easterly breezes Channel, Easterly to Southerly on Bay; sea moderate; cloudy to fine, local showers and mist; cool.

FURTHER OUTLOOK.

SYNOPTIC CHART FOR 7 a.m., Friday, 1st MAY, 1914.



DAILY WEATHER REPORT. Friday, 1st May, 1914.

OBSERVATIONS from the ATLANTIC OCEAN received by RADIOTELEGRAPHY.

Date and Hour.	Position. Lat. N.	Position. Long. W.	Name of Ship.	O = Outward. H = Homeward.	Barometer. Reading.	Barometer. Change in 3 hours.	Wind. Direc.	Wind. Force.	Weather.	Date and Hour.	Position. Lat. N.	Position. Long. W.	Name of Ship	O = Outward. H = Homeward.	Barometer. Reading.	Barometer. Change in 3 hours.	Wind. Direc.	Wind. Force.	Weather.
	°	°			mb.	‡		(0-12).			°	°			mb.	‡		(0-12).	
30th 6p.m	50	18	Franconia	O	1016·9	+1	E	4-5	0	30th 7a.m	48	20	New York	H	1011·8	-5	ESE	4-5	0
" "	48	16	New York	H	1014·9	0	ESE	4-5	0	" "	50	17	Cedric	H	1017·6	-1	E	1-3	0
" "	50	13	Cedric	H	1020·3	+1	-	0	c										

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

	Stations.	Rainfall.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 6 p.m.
		mm.*	°F.	°F.			Hr.
Scotland.	Oban	-	56	45	o.c	o	0·0
	St. Andrews	2·0	51	41	*	*	0·0
Eng., N.E.	Harrogate	-	49	44	o	o.c.bc	1·1
	Scarborough	*	50	45	o.c	o.c	3·4
	Skegness	-	50	41	o.cg	og	0·7
Eng., N.W.	Douglas (I. of M.)	-	54	45	bc	bc	10·0
	Morecambe	-	54	47	bc	b	7·0
	Blackpool	-	54	45	o.c	bc c	6·7
	Southport	-	54	44	bc.o	o.bc	4·5
Midlands.	Buxton	-	58	40	bc	bc	2·0
	Leamington Spa	-	51	46	o	o	0·0
	Malvern	-	49	44	o	o	0·0
Wales.	Rhyl	-	51	38	o	o	0·0
	Colwyn Bay	-	52	44	bc	bc	1·4
	Llandudno	-	54	44	*	*	0·0
	Aberystwyth	-	55	47	o.c	c.b.o	6·7
	Tenby	-	55	50	o.c	o	1·0
England, E.	Lowestoft	-	50	44	o	c	0·2
	Felixstowe	3·8	48	43	or	or	0·0
	Walton-on-Naze	1·3	48	45	oq.op	oq.og	0·0
	Southend-on-Sea	-	54	45	o	o	0·0
England, S.E.	Margate	-	51	47	o	o	0·0
	Ramsgate	-	50	46	o	o	0·0
	Folkestone	-	52	48	o	o	0·0
	Hythe	-	56	48	od	o	0·2
	Littlestone	*	*	*	*	*	0·0
	Hastings	-	57	48	o.c	o	0·1
	Bexhill-on-Sea	1·5	56	50	omr	om	0·3
	Eastbourne	0·5	55	49	or.og	o.c	0·0
	Seaford	1·8	52	49	or.o	o	0·0
	Brighton	3·3	59	49	or.o	o	0·0
	Worthing	11·4	51	48	c	o	0·0
	Littlehampton	11·9	*	*	*	*	0·0
	Bognor	9·4	50	49	r	r	0·0
	Southsea	5·8	52	49	or	o	0·1
	Ryde	0·5	52	46	*	*	0·0
	Ventnor	1·5	?	?	*	*	0·0
	Bournemouth	0·3	59	48	o	o	0·8
England, S.W.	Weymouth	1·8	59	50	or.o	o	0·1
	Exmouth	2·0	59	48	b.bc	p.c.bc	2·5
	Teignmouth	0·3	58	48	o.bc	or	2·6
	Torquay	0·3	58	50	o	p.c.bc.o	2·8
	Paignton	0·5	57	48	c.bc	op	2·2
	Falmouth	-	60	51	bc.b	bc	9·3
	Bude	-	64	42	b.bc.b	b.bc.cy	6·2
	Ilfracombe	-	54	48	yb	by	6·0
	Weston-super-Mare	-	55	47	o.c.b	bcm	0·7

LONDON OBSERVATIONS.

Stations.	Humidity. 3 p.m. Yesterday.	Humidity. 9 a.m. To-day.	Sunshine for Yesterday.	Temperature. In Screen. Max.	Temperature. In Screen. Min.	Temperature. Min. on Grass.	Rainfall.	Weather. Forenoon.	Weather. Afternoon.	Weather. Night.
				24 Hours ended 9 a.m. To-day.						
	%	%	Hr.	°F.	°F.	°F.	mm.*			
Greenwich (Royal Obsy.)	81	60	0·0	52	39	28	-	o	o	o.b.bc
City (Bunhill Row)	*	*	0·0	*	*	*	*	*	*	*
Westminster (St. James's Pk.)	80	63	?	53	41	37	-	c	c	cu.c
Camden Sq. (Brit. Rainfall)	78	58	0·0	54	39	32	-	o	o	*
Hampstead (Reservoir)	*	61	0·0	49	38	34	-	o	c.bc	c
Richmond Park	*	*	0·0							
Kew. (See front page.)										
S. Kensington (Roof of M.O.)	80	68	0·0							

Vertical Component of Solar Radiation per square centimetre during Yesterday.

Total.	Average Rate.	Max. Rate.
278 Joules	5·3 Milliwatts.	15·5 Milliwatts.

Additional Observations for Yesterday.

Stations.	Rainfall.	Temperature. In Screen. Max.	Temperature. In Screen. Min.	Temperature. Night Min. on Grass.	Weather. Night.	Weather. Forenoon.	Weather. Afternoon.	Sunshine for Yesterday.
	mm.*	°F.	°F.	°F.				Hr.
Dublin to 4 p.m.	-	56	42	40	bm.c	cm.b	bm	*
Plymouth to 9 p.m.								
Darwen "	-	51	43	40	ou	ou.bc	bc	3·9
Manchester "	-	53	45	*	othno	c	bc.b	3·4
Birmingham "	-	55	43	43	*	o	o	0·0
Oxford to 8 p.m.	*	58	46	43	b.bc.o	o	*	*
S. Kensington (Museum Grounds to 6 p.m.)	-	64	45	43	bz.o	og	o	*

Table showing the Greenwich Times of Sunrise, Noon and Sunset for Stations in the United Kingdom To-day and To-morrow.

1st & 2nd May, 1914.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth	4.24 4.22	11.50 11.50	7.16 7.18
Greenwich	4.34 4.32	11.57 11.57	7.20 7.22
Wick	4.20 4.18	12.9 12.9	7.58 8.0
Valencia	5.13 5.11	12.38 12.38	8.2 8.4

NOTES ON YESTERDAY'S WEATHER.

Temperature failed to reach 50° in many places, Lerwick not passing 39°. A few southern stations, however, exceeded 60°, Jersey reaching 66°. Rain fell in many localities, as a rule in small quantities, but Worthing and Littlehampton had nearly 12 mm. Most localities had little or no bright sunshine, but Scilly exceeded 10 hrs. and Birr Castle 12 hrs. As far west as the 23nd meridian ships experienced calms or moderate to light Easterly breezes and 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. Single copies 1d. at M.O. and at the bookstalls at certain Railway Termini in London.

Printed at the Meteorological Office, South Kensington, London, S.W. By Wyman & Sons Ltd., Fetter Lane, London, E.C., and Reading.

* 1 m.m. is approximately 4 hundredths of an inch. ‡ The barometric change is expressed in half-millibars.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

Saturday, 2nd May, 1914.

	STATIONS.	YESTERDAY EVENING. Barom. Millibars at M.S.L.	Temp.	Wind. Direc.	Wind. Force 0-12	Weather.	THIS MORNING 7 A.M., G.M.T. Barometer. Millibars at M.S.L.	Barometer. Change in 3 hours.	Temp. Dry Bulb.	Temp. Change in 24 hours	Wind. Direc.	Wind. Force 0-12.	Direc. of Upper Cloud	Weather.	Sea 0-9.	Rainfall. Millimetres.	PAST 24 HOURS. Temp. Max.	Temp. Min.	Weather. Morning.	Weather. Afternoon	Weather. Night.	Sunshine for Yesterday.
			°F.					‡	°F.								°F.	°F.				Hours.
BRITISH ISLANDS.	Lerwick ...	1029·1	39	WNW	4	o	1025·4	-5	42	+6	SSW	3	SW	bc	3	–	42	38	cps.bc	c.oq	bc	*
	Stornoway ...	1027·8	42	ENE	4	b	1023·3	-3	49	+10	SW	6	SW	oq	5	–	49	34	ob	b	b.oq	7·3
	Castlebay (Barra Isd.)	1025·7	46	E	4	b	1024·1	-1	47	+5	SSE	5	–	om	5	–	47	41	c.o.bc	bc.o.b	b.om	7·7
	Glasgow ...	1028·4	44	E	2	o	1028·7	0	40	+2	ESE	1	–	og	*	–	45	37	o	o	op.o	0·0
	Eskdalemuir ...	1029·0	41	E	3	o	1029·8	0	38	+2	SSE	2	W	o	*	–	44	34	o	o	o	0·1
	Malin Head ...	1024·8	49	SE	3	bc	1024·5	+1	44	0	S	5	–	o	2	–	50	42	cm	bm	om	*
	Blacksod Point	1021·3	56	SSE	2	bcz	1020·9	-2	46	-2	SSE	4	S	cg	3	–	59	44	bz	bz	bc.cg	*
	Valencia ...	1020·0	53	SSE	4	oz	1018·6	-2	49	-3	E	5	E	omq	4	–	66	49	c.bz	cz	om	6·7
	Roche's Point	1024·0	50	SE	4	c	1022·0	*	49	-1	ESE	5	S	o	5	–	52	49	om	om.cg	cg.o	*
	Birr Castle ...	1023·3	55	SSE	3	c	1023·0	*	45	-1	SE	2	SE	bc	*	–	59	42	c.	c	bc	12·3
	Donaghadee ...	1027·4	47	SE	5	c	1027·9	0	45	0	SE	3	SE	c	4	1	47	45	omp	om	c	*
	Liverpool (Bidston)	1027·3	48	E	2	bc	1029·3	0	41	-3	ESE	3	0	b	2	–	51	34	bm	bcm	b	3·1
	Holyhead ...	1027·2	50	N	2	cgz	1028·6	-1	42	-3	SE	4	0	b	3	–	52	38	c.bc.cz	c.o.bc.o	c.o.c.bc	3·0
	Pembroke (St. Ann's)	1024·8	49	SE	5	bc	1026·0	+1	45	0	SE	6	SE	c	5	–	53	43	b	b.bc	bc	10·3
	Newquay ...	1023·2	49	SE	5	b	1022·7	0	47	+1	SE	6	SE	o	3	–	52	45	og.bv	bv	bc.o	7·7
	Scilly (St. Mary's)	1027·8	49	ESE	5	bcq	1021·6	-1	49	-1	SE	6	SE	oqm	6	–	57	45	om	cmq	c.om	4·2
	Jersey (St. Aubin)	1023·3	52	ENE	4	b	1025·0	*	47	-1	E	4	o	b	4	–	52	45	o	c.bc	bc.b	3·3
	Portland Bill ...	1024·6	49	ENE	4	o	1025·8	+1	46	+1	ESE	6	E	o	5	–	51	44	o.c.	c.o	o.c.o	*
	Dungeness ...	1025·0	47	NNE	5	c	1028·7	+1	46	0	E	4	E	bcv	4	–	52	43	c.bq	c.bc	c.bcv	*
	Dover ...	1025·7	44	NNE	6	c	1029·8	*	44	+1	E	4	S	c	6	1	50	40	c.bc	c.bc.c.	cp.c	6·3
	Wick ...	1029·3	39	N	1	o	1025·2	?-3	42	+5	SE	5	o	b	4	–	42	36	c.o	o	bc.bm	*
	Nairn ...	1028·5	43	E	1	bc	1026·0	*	36	-3	–	0	–	cm	1	–	46	27	bc	bcv	bc	9·0
	Aberdeen ...	1029·5	42	NNE	2	c	1028·2	-1	43	+5	SSW	4	–	b	2	–	44	35	o	o.c.	c.bc.b	1·3
	Leith ...	1028·8	45	E	2	o	1028·4	0	43	+3	WNW	2	NW	c	*	–	48	38	o.c	c.o.c	o.c	*
	North Shields ...	1030·7	43	ENE	2	c	1031·8	+1	39	-3	SW	3	–	f	3	?	47	33	bc	c	bc	1·3
	Spurn Head ...	1028·4	45	N	5	bc	1030·4	+1	43	-1	ESE	3	SE	cv	4	–	49	40	ov	bcv	c	7·6
	Yarmouth ...	1027·6	45	NNE	3	bc	1031·2	+3	49	+4	E	3	0	c	2	–	50	42	c	c	c	5·5
	Clacton-on-Sea	1026·4	46	NE	4	c	1029·8	+2	45	0	ESE	3	SE	o	3	–	49	41	bc.c	c	c.o	3·1
	Nottingham ...	1028·0	45	NE	4	c	1030·6	*	38	-5	E	1	E	om	*	0·5	49	28	op.c	o.c	c.bc.b	2·5
	Bath ...	1026·4	48	E	3	o	1028·4	*	41	-4	E	3	SE	o	*	–	54	34	bc.c.o	o.c.	o.c.b.o	5·4
	London (Kew Obsy.)	1027·1	47	NE	4	bc	1030·3	+1	45	+1	ESE	3	SE	o	*	–	51	41	bc.c.oq	oq.oc.bc	bc.o	5·3
ICELAND, FAEROE, &c.	Spitzbergen ...	1009·7	16	ENE	4	b	1011·5	+4	9	-3	–	0	*	b	*	*	16	0				
	Isafjord ...	1009·2	34	SW	7	s	1021·7	+4	23	-9	NE	6	*	b	*	*	*	*				
	Reykjavik ...	1014·7	42	SSW	4	o	1017·9	+4	30	-5	N	7	*	b	*	*	*	*				
	Vestmanna ...	1017·5	42	SW	5	r	1014·9	0	31	-4	NE	2	*	b	1	*	*	*				
	Seydisfjord ...	1013·9	43	NE	1	b	1010·1	+3	29	0	WNW	7	*	b	*	*	*	*				
	Thorshavn ...	1026·6	40	WSW	4	o	1016·0	-6	43	+9	WSW	5	*	o	*	*	*	*				
NORTHERN EUROPE.	Vardö ...	994·3	27	WNW	9	o	994·6	+2	34	+6	NNW	4	–	bc	3	*	30	25				
	Bodö ...	1008·0	32	WNW	8	c	1011·0	+3	34	-2	WNW	4	NW	b	2	?	36	28				
	Christiansund	1019·9	34	SW	3	c	1020·0	0	36	+4	SW	3	–	o	5	5	37	32				
	Skudesnaes ...	1025·2	37	N	5	c	1027·8	+2	39	+5	E	1	–	c	1	–	39	32				
	Færder (X'tania Fjord)	1016·4	41	N	4	b	1024·6	+3	39	+3	WNW	1	o	b	1	–	45	36				
	The Scaw (Skagen)	1015·0	45	NNW	5	bc	1025·2	+3	43	-1	NNE	1	–	b	?	–	46	39				
	Blaavands Huk	1020·3	41	NNW	7	b	1028·6	+3	43	+2	N	2	–	b	4	–	45	39				
	Haparanda ...	1004·4	32	W	2	bc	1004·8	0	34	+2	NW	2	N	b	*	–	41	27				
	Hernösand ...	1009·6	36	NW	4	c	1014·1	+1	37	+1	WNW	8	NW	b	*	–	45	30				
	Stockholm ...	1009·2	41	NW	2	o	1017·2	+5	37	0	NW	2	o	b	*	–	46	32				
	Wisby ...	1010·7	43	N	2	c	1019·5	+7	39	-6	N	6	–	b	*	–	46	34				
	Karlstad ...	1012·6	41	NNW	4	b	1022·9	+3	37	0	NW	4	–	b	*	–	45	30				
	St. Petersburg	1007·7	37	W	1	b	1009·2	+2	37	0	–	0	–	b	*	–	45	34				
CENTRAL EUROPE.	Berlin ...	1014·6	50	N	4	c	1024·8	0	43	-2	N	4	N	b	*	–	57	36				
	Frankfurt ...	1019·4	46	NE	2	c	1030·3	+4	39	-7	–	0	NE	b	*	0·5	59	34				
	Munich ...	1014·1	46	NW	5	r	1027·4	?	39	-18	N	4	–	o	*	16	57	36				
	Vienna ...	1009·9	52	NW	3	r	1021·0	+4	43	-14	NW	4	o	bc	*	–	57	32				
	Cuxhaven ...	1021·7	43	N	5	c	1028·2	+4	46	+1	N	4	N	b	2	–	46	41				
	The Helder ...	1025·6	45	N	4	c	1031·7	+3	45	0	E	1	–	c	1	0·5	46	41				
	Brussels ...	*	*	*	*	*	1031·0	+4	41	-2	ESE	2	o	b	*	–	48	41				
FRANCE.	C. Gris Nez ...	1024·7	46	NE	6	c	1029·0	+4	44	-2	ESE	3	*	b	2	–	50	39				
	La Hève ...	1024·8	45	NE	5	o	1026·7	*	42	-3	ENE	3	*	b	1	–	52	39				
	Ushant ...	1020·6	54	E	5	o	1021·0	*	47	-7	ESE	4	*	o	3	–	57	43				
	Brest (St. Mathieu)	1022·0	53	ENE	4	o	1021·7	o	46	-5	SE	4	*	o	3	–	64	45				
	Rochefort (Ile d'Aix)	1018·6	58	NE	4	o	1020·0	+1	50	-5	E	5	*	c	*	–	64	46				
	Biarritz ...	1016·8	61	NE	3	bc	1016·0	0	57	+1	ESE	4	*	b	1	–	66	50				
	Paris ...	1022·4	47	NNW	3	o	1027·1	+3	45	+2	ENE	4	–	b	*	–	50	39				
	Belfort ...	1019·1	47	W	6	o	1026·3	*	40	-9	ENE	6	*	o	*	4	64	39				
	Lyons ...	1019·1	55	–	0	o	1023·3	*	45	-6	N	2	*	o	*	8	64	44				
	Nice ...	1010·6	61	–	o	b	1016·8	+1	56	-2	–	o	*	bc	2	–	75	48				
	Perpignan ...	1007·0	64	–	o	bc	1019·6	+1	61	+4	W	1	o	b	*	–	75	?				
	Sanguinaire ...	*	61	S	1	m	*	*	61	0	E	3	*	m	4	–	63	55				
SOUTHERN EUROPE.	Corunna (7 a.m.)	1015·4	59	WSW	2	o	1015·5	+3	59	+9	SE	2	–	o	1	–	63	50				
	Madrid (8 a.m.) ...	1012·8	72	–	o	b	1018·6	+3	61	+6	ESE	1	SW	c	*	–	73	52				
	Lisbon (9 a.m.)	1014·6	66	W	4	b	1018·3	+2	59	+4	SSW	1	NW	c	2	–	72	55				
	Gibraltar ...	1017·3	62	E	5	c	1018·9	*	62	0	E	4	*	o	1	–	65	61				
	Rome ...	1016·4	63	–	o	o	1016·7	0	55	0	–	0	o	b	*	–	70	50				
	Azores (Horta, 8 a.m.)	1004·6	*	SW	5	bc	1009·9	+4	62	+4	SW	5	*	m	4	–	66	58				
	Madeira (Funchal)	1019·3	64	W	1	b	1021·0	+3	64	0	W	1		b	2	–	70	61				

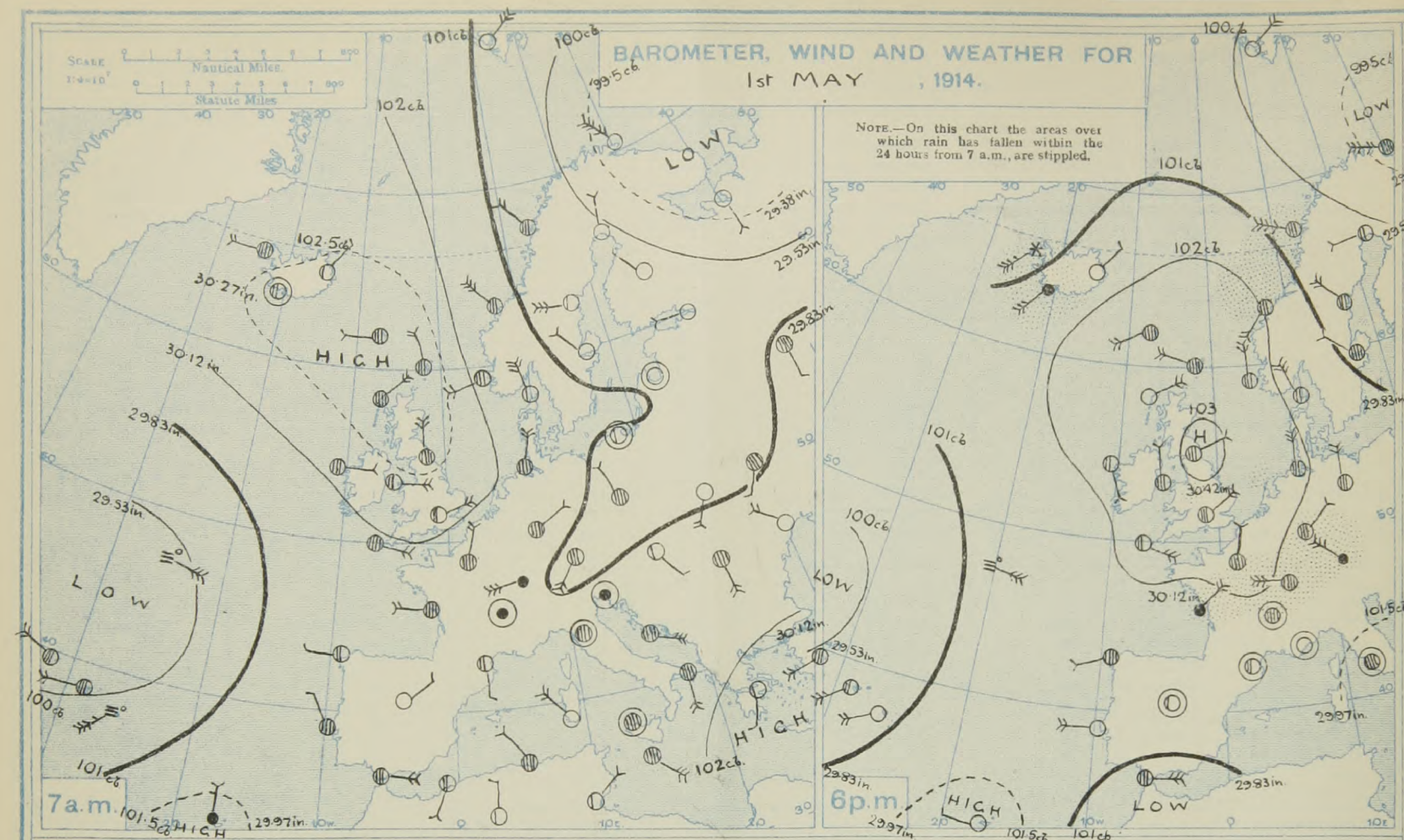
* Information for these columns not usually received. † Received too late for insertion in Charts. ‡ The barometric change is expressed in half-millibars.

Equivalents of Millibars in Inches.

Millibars.	Inches of Mercury at 32° F. in Lat. 45.
940	27·76
950	28·05
960	28·35
970	28·65
980	28·94
990	29·24
1000	29·53
1010	29·83
1020	30·12
1030	30·42
1040	30·71
1050	31·01

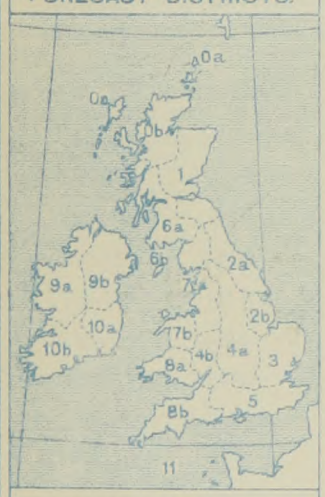
1,000 millibars are equivalent to 14½ lbs. per square inch (in Lat. 45).

100 millibars to one pound and a half per square inch.



FORECASTS FOR THE 24 HOURS NOON SATURDAY TO NOON SUNDAY.

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.

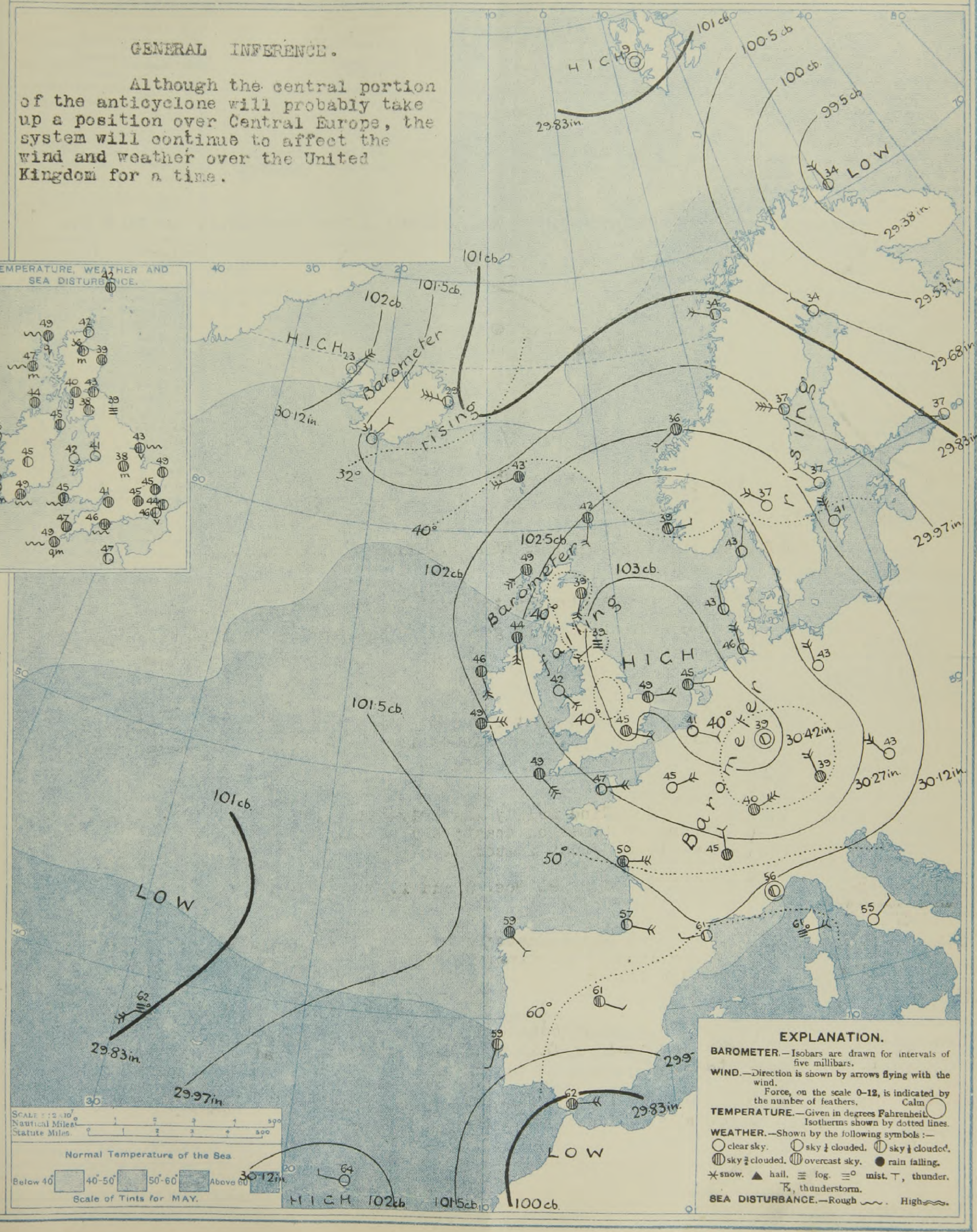
No Warnings Issued.

0 a, b; 1	Southerly to South-Westerly winds, light or moderate, fresh locally; fair generally; moderate or rather low temperature.
2 a, b; 3	Wind Easterly or South-Easterly, light or moderate; fair generally; temperature low, local frost inland at night.
4 a, b; 5	Wind mainly Easterly, light or moderate, fresh or strong at times on coast; sky variable, mostly fair; temperature low, local frost inland at night.
6 a, b	Same as Nos. 0 and 1.
7 a, b; 8 a, b	South-Easterly and Southerly winds, light or moderate, fresh locally at times; mostly fair or bright; temperature rather low.
9 a, b; 10 a, b	Wind between South-East and South, light or moderate, fresh locally; fair or bright generally; rather low to moderate temperature.
Western Channel and Bay. 11	Easterly and South-Easterly winds, moderate to fresh or strong; sea rather rough; fair generally.

Millibars: 1050, 1040, 1030, 1020, 1010, 1000, 990, 980, 970

FURTHER OUTLOOK.

SYNOPTIC CHART FOR 7 a.m., Saturday, 2nd MAY, 1914.



OBSERVATIONS from the ATLANTIC OCEAN received by RADIOTELEGRAPHY.

Date and Hour.	Position. Lat. N.	Position. Long. W.	Name of Ship.	O = Outward. H = Homeward.	Barometer. Reading.	Barometer. Change in 3 hours.	Wind. Direc.	Wind. Force.	Weather.
	°	°			mb.	‡		(0–12).	
1st 6 p.m.	48	19	Lapland	H	1000·3	+4	ESE	6-7	m
" "	51	11	Adriatic	O	1019·3	+3	SE	4-5	o
" 7 a.m.	47	24	Lapland	H	997·9	-1	ESE	6-7	m
" "	49	23	Franconia	O	?	?	SE	6-7	r
1st 7 a.m.	50	18	Olympic	O	1011·8	-4	ESE	1-3	o
" "	49	9	New York	H	1016·6	-1	ESE	4-5	o

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

	Stations.	Rainfall.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 6 p.m.
		mm.*	°F.	°F.			Hr.
Scotland	Oban	–	53	40	b.bc	c	1·0
	St. Andrews	–	44	38	*	*	4·6
	Stonehaven	1·3	44	32	cg	cg	1·9
	Carnoustie	–	46	36	*	*	5·6
Eng., N.E.	Harrogate	1·3	46	38	o.c	c	1·3
	Scarborough	*	49	41	c.b	o	4·4
	Skegness	–	49	43	c.bc	bc	7·8
Eng., N.W.	Douglas (I. of M.)	0·3	50	42	odg	og	0·6
	Morecambe	–	50	44	o	o.bc	0·0
	Blackpool	–	51	40	o.c	o	1·2
	Southport	–	53	39	c.bc	bc.o.c	3·8
Midlands	Buxton	–	47	36	bc	bc	2·1
	Leamington Spa	–	49	40	o.c.b	c.b	3·4
	Malvern	–	51	40	bc.c.o	o.c.bc	2·5
Wales	Rhyl	–	53	36	bc	o	5·5
	Colwyn Bay	–	54	38	bc	bc	3·6
	Llandudno	–	53	41	b	b	5·8
	Aberystwyth	–	55	43	o.c	c.bc	7·2
	Tenby	–	55	44	b	b.bc	9·5
England, E.	Lowestoft	–	48	43	c	c	5·1
	Felixstowe	–	50	41	bc	bc	3·7
	Walton-on-Naze	–	47	42	oqrcv	cv.ov	3·5
	Southend-on-Sea	–	50	40	c.b.bc	bc	7·0
England, S.E.	Margate	–	51	44	bc	bc	5·4
	Ramsgate	–	49	42	o	o	5·5
	Folkestone	–	49	43	o.bc.c	bc	7·4
	Hythe	–	51	42	o	bc	5·0
	Littlestone	*	*	*	*	*	5·0
	Hastings	–	51	43	o.bc	bc.b	6·2
	Bexhill-on-Sea	–	52	44	c.b	c	6·7
	Eastbourne	–	52	45	bc	bc	6·4
	Seaford	–	53	43	c	c	5·9
	Brighton	–	53	43	c	c.bc.c	5·8
	Worthing	–	56	42	bc	bc.c	6·4
	Littlehampton	1·3	*	*	*	*	5·6
	Bognor	–	50	?	bc	bco	6·0
	Southsea	–	54	43	o.c	c.b	5·3
	Ryde	–	51	44	bc	bc	5·5
	Ventnor	1·0	52	42	*	*	5·5
	Bournemouth	–	55	41	c	o	4·6
England, S.W.	Weymouth	–	58	43	bc	c	3·5
	Exmouth	–	58	45	bc.b	o	4·5
	Teignmouth	–	54	45	bc.b	c	6·0
	Torquay	–	54	45	b	bc.c.o	7·2
	Paignton	–	54	45	bc	bc.o	7·2
	Falmouth	–	52	47	o.c.b	b	6·6
	Bude	–	57	45	o.bc	bc.c	8·5
	Ilfracombe	–	53	44	bc	bc	8·2
	Weston-super-Mare	–	54	41	b	bc.c	4·5

LONDON OBSERVATIONS.

Stations.	Humidity. 3 p.m. Yesterday.	Humidity. 9 a.m. To-day.	Sunshine for Yesterday.	Temperature. In Screen. Max.	Temperature. In Screen. Min.	Temperature. Min. on Grass.	Rainfall.	Weather. Forenoon.	Weather. Afternoon.	Weather. Night.
				24 Hours ended 9 A.M. To-Day.						
	%	%	Hr.	°F.	°F.	°F.	mm.*			
Greenwich (Royal Obsy.)	50	62	6·4	52	39	28	–	c	c.bc	c
City (Bunhill Row)	*	*	4·9	*	*	*	*	*	*	*
Westminster (St. James's Pk.)	54	68	5·0	51	42	37	–	c	c	c
Camden Sq. (Brit. Rainfall)	52	62	4·7	54	40	33	–	o.c	c.bc	*
Hampstead (Reservoir)	*	66	5·5	49	38	31	–	bc	cp	o
Richmond Park	*	*	4·9							
Kew. (See front page.)										
S. Kensington (Roof of M.O.)	62	72	4·7							

Vertical Component of Solar Radiation per square Centimetre during Yesterday.

Total.	Average Rate.	Max. Rate.
1132 Joules	21·3 Milliwatts.	67·5 Milliwatts.

Additional Observations for Yesterday.

Stations.	Rainfall.	Temperature. In Screen. Max.	Temperature. In Screen. Min.	Temperature. Night Min. on Grass.	Weather. Night.	Weather. Forenoon.	Weather. Afternoon.	Sunshine for Yesterday.
	mm.*	°F.	°F.	°F.				Hr.
Dublin to 4 p.m.	–	55	44	41	bm.c	bc	b	*
Plymouth to 9 p.m.	–	54	45	44	o	beq	c.b	7·7
Darwen "	–	46	38	35	bc.o	og.bc	oc.o	0·7
Manchester "	–	50	42	*	bc.c.o	o.c	bc.c.o	0·8
Birmingham "	–	48	39	34	o	c.o	o	1·0
Oxford to 8 p.m.	*							*
S. Kensington (Museum Grounds to 6 p.m.)	–	50	41	37	o.c	o.c.bc	c.bc	*

Table showing the Greenwich Times of Sunrise, Noon and Sunset for Stations in the United Kingdom To-day and To-morrow.

2nd & 3rd May, 1914.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth	4.22 4.20	11.50 11.50	7.18 7.19
Greenwich	4.32 4.31	11.57 11.57	7.22 7.23
Wick	4.18 4.16	12.9 12.9	8.0 8.2
Valencia	5.11 5.10	12.38 12.38	8.4 8.6

NOTES ON YESTERDAY'S WEATHER.

Temperature remained below 50° at many of our stations, but touched 60° at Valencia. At night the minimum was as low as 27° at Nairn, and 28° at Nottingham. The duration of bright sunshine varied considerably; in many places it was slight, but many hours were recorded at several of our western, northern and south-western stations.

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. Single copies 1d. at M.O. and at the bookstalls at certain Railway Termini in London.

Printed at the Meteorological Office, South Kensington, London, S.W.
B. Wyman & Sons Ltd., Fetter Lane, London, E.C., and Reading.

* 1 m.m. is approximately 4 hundredths of an inch. ‡ The barometric change is expressed in half-millibars.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. 3rd May, 1914.

	STATIONS.	Yesterday Evening. Barom. Millibars at M.S.L.	Temp.	Wind. Direc.	Wind. Force 0–12	Weather.	This Morning 7 A.M., G.M.T. Barometer. Millibars at M.S.L.	Change in 3 hours.	Temp. Dry Bulb.	Change in 24 hours.	Wind. Direc.	Wind. Force 0–12	Direc. of Upper Cloud	Weather.	Sea 0–9.	Past 24 Hours. Rainfall. Millimetres.	Temp. Max.	Temp. Min.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Sunshine for Yesterday.
			°F.					‡	°F.	°F.							°F.	°F.				Hours.
BRITISH ISLANDS.	Lerwick ...	1020·0	49	SSW	4	cm	1017·1	−4	45	+3	SSW	2	S	om	2	–	50	43	c·o	cm	c·om	*
	Stornoway ...	1019·5	48	JW	6	bcqz	1012·3	−3	46	−3	SSW	3	S	o	3	–	52	43	o·bcq	bcqq	bc·o	7·8
	Castlebay (Barra Isd.)	1018·9	47	SSE	5	om	1010·3	−7	48	+1	SE	5	SE	o	5	–	49	46	o·cm	o·bc·om	om	6·3
	Glasgow ...	1021·4	51	SSW	3	bz	1015·4	−4	41	+1	ENE	2	SW	o	*	–	54	36	o	o·c·bc·b	b·bcz·o	4·2
	Eskdalemuir ...	1022·0	49	SSW	2	b	1016·2	−4	41	+3	–	0	S	o	*	–	53	32	o·c·bc	bz	bcm·o	9·7
	Malin Head ...	1017·8	48	S	5	c	1009·5	−3	45	+1	S	5	S	o	3	0·5	50	43	cmq	cmq	omqp	*
	Blacksod Point	1014·8	50	SSE	6	og	?	−1	49	+3	SSE	3	S	omp	3	1	52	45	cg	cg	omp	*
	Valencia ...	1011·8	49	ESE	5	mr	1009·1	+1	52	+3	S	1	S	o	3	3	53	48	ogq	om	omqr	0·0
	Roche's Point	1015·5	50	SE	6	o	1010·5	*	51	+2	SW	4	W	o	5	6	52	48	o	o	ot·d·o	*
	Birr Castle ...	1016·6	48	SE	3	c	1008·1	*	52	+7	S	1	S	o	*	1	52	44	c	c	o	2·2
	Donaghadee ...	1021·8	48	SSE	4	bcz	1012·9	−5	46	+1	S	5	S	omp	5	0·5	49	43	bcz	bcz	bc·omr	*
	Liverpool (Bidston)	1021·2	52	ESE	4	b	1015·5	?	42	+1	ESE	4	E	op	3	0·5	54	41	b	b	c·op	12·8
	Holyhead ...	1021·3	51	NE	3	bz	1013·6	−3	51	+9	SSE	5	o	odm	4	1	54	41	b·bc·b	bc·bz	c·bc·cr	12·3
	Pembroke (St. Ann's)	1018·5	48	SSE	6	c	1013·4	−1	51	+6	S	6	S	ogmp	4	1	51	44	cg·c	c	c·cgqp	3·3
	Newquay ...	1017·0	48	E	5	c	1015·3	+2	52	+5	SW	1	SW	o	2	1	52	47	o·bc	bc·o	c·od	2·8
	Scilly (St. Mary's)	1016·0	50	ESE	6	cm	1014·7	+3	52	+3	SW	4	W	cm	5	2	53	48	bcm	om	cmp·op	2·3
	Jersey (St. Aubin)	1020·2	58	ESE	2	o	1019·0	*	55	+8	S	2	S	om	1	–	60	47	bc	bc·c	b·om	10·9
	Portland Bill ...	1021·4	49	ESE	6	c	1018·9	0	52	+6	S	4	o	o	4	0·5	52	46	c	bc	cp·o	*
	Dungeness ...	1024·7	53	NE	4	bc	1021·6	−1	49	+3	SSE	4	SE	c	4	–	54	45	b·bc	bc·b	bc·c	*
	Dover ...	1023·7	49	E	3	b	1021·3	*	50	+6	S	2	o	bc	2	–	51	44	c·bc·b	b	bc·b·bc	10·5
	Wick ...	1019·9	50	S	2	bc	1015·0	−4	45	+3	S	2	o	bc	3	–	50	41	bm·bcm	bcm	bcm	*
	Nairn ...	1020·1	54	W	1	bcz	1014·1	*	49	+13	–	0	–	bcm	1	–	58	35	bcz	bcz	om	6·6
	Aberdeen ...	1022·8	46	S	4	b	1016·7	−2	45	+2	S	4	SW	b	2	–	52	42	b	b	b	12·4
	Leith ...	1021·3	52	E	1	b	1015·9	−3	43	0	SE	3	o	o	*	–	53	37	o·c	b	b·bz	*
	North Shields ...	1025·2	46	SSE	5	b	1019·8	−4	42	+3	SSW	2	o	o	3	–	55	41	b	b	om	12·1
	Spurn Head ...	1024·4	47	ESE	6	b	1019·9	−2	47	+4	SSE	6	S	bc	5	–	50	42	c·b	c·bu	bc	5·2
	Yarmouth ...	1027·5	47	SSE	3	b	1021·3	−3	50	+1	SSE	4	S	c	2	–	51	44	bc	b	bc	5·6
	Clacton-on-Sea	1025·7	48	ESE	5	b	1021·3	−1	49	+4	SE	5	o	c	4	–	50	43	o·c·bc	bc·b	b·bc·cz	8·0
	Nottingham ...	1024·2	49	SE	5	b	1018·6	*	48	+10	SE	1	SE	bc	*	–	54	36	o·c·bc	bc·b	b	8·0
	Bath ...	1022·3	51	SE	5	o	1017·6	*	52	+11	SE	4	SE	o	*	–	57	41	oq·bc	q·bc·c	o·cp	!
	London (Kew Obsy.)	1024·4	50	E	4	bz	1020·5	−2	50	+5	SE	2	SE	o	*	–	56	42	o·c·bc·b	b·bz	bz·bc·o	8·4
ICELAND, FAEROE, &c.	Spitzbergen ...	1011·0	17	–	0	b	1010·3	0	7	−2	ESE	1	–	b	*	*	18	−2				
	Isafjord ...	1022·7	29	N	4	b	1018·6	−2	30	+7	E	2	–	b	*	*	*	*				
	Reykjavik ...	1019·1	34	N	3	b	1015·8	−1	33	+3	E	4	–	c	*	*	*	*				
	Vestmanna ...	1015·1	41	–	0	b	1014·4	0	35	+4	E	5	–	c	0	*	*	*				
	Seydisfjord ...	1017·9	35	NNE	3	s	1020·6	−1	20	−9	NW	3	–	b	*	*	*	*				
	Thorshavn ...	1013·6	42	N	5	o	1015·9	0	33	−10	NE	5	–	S	*	*	*	*				
NORTHERN EUROPE.	Vardö ...	1000·2	29	NW	6	b	1004·0	+1	34	0	NNW	4	–	o	3	0	34	25				
	Bodö ...	1009·9	36	E	4	c	1003·8	+2	36	+2	SW	4	SE	c	3	?	37	32				
	Christiansund	1013·9	41	SW	4	o	1014·4	+2	37	+1	WSW	3	–	o	5	16	41	34				
	Skudesnaes ..	1027·4	43	S	4	c	1024·6	0	44	+5	SSW	4	–	o	3	–	45	37				
	Færder (X'tania Fjord)	1022·9	47	SW	1	b	1021·2	0	43	+4	SW	6	–	o	3	–	46	37				
	The Scaw (Skagen)	1025·2	48	W	3	b	1025·7	0	46	+3	W	4	–	o	?	–	48	41				
	Blaavands Huk	1030·0	45	NW	3	bc	1028·4	0	46	+3	SSW	2	–	b	2	–	48	39				
	Haparanda ...	1008·2	37	NW	2	bc	1009·7	0	34	0	S	2	–	b	*	–	41	27				
	Hernösand ...	1015·7	42	WNW	4	bc	1011·9	−3	45	+8	W	4	–	b	*	1	45	36				
	Stockholm ...	1019·7	45	W	2	c	1019·8	0	37	0	WNW	4	–	o	*	–	48	34				
	Wisby ...	1023·1	43	SW	4	b	1024·7	0	45	+6	WSW	4	–	b	*	–	46	37				
	Karlstad ...	1024·3	48	W	4	b	1026·6	0	43	0	W	4	–	o	*	–	52	36				
	St. Petersburg	1012·6	36	W	2	b	1017·1	+3	36	−1	WNW	1	–	o	*	–	*	*				
CENTRAL EUROPE.	Berlin ...	1029·0	50	N	3	b	1031·8	+1	46	+3	S	3	–	b	*	–	54	36				
	Frankfurt ...	1028·3	52	NE	1	b	1028·3	0	45	+6	SE	1	–	b	*	–	52	36				
	Munich ...	1028·6	45	E	3	b	1027·7	0	41	+2	SE	5	–	bc	*	–	48	30				
	Vienna ...	1030·3	43	W	3	b	1033·5	+2	41	−2	E	1	–	b	*	–	52	41				
	Cuxhaven ...	1030·3	43	N	2	b	1029·0	?	45	−1	SE	2	–	b	0	–	46	37				
	The Helder ...	1029·1	46	ENE	3	b	1025·0	−2	48	+3	SSE	3	–	b	2	–	48	41				
	Brussels ...	1026·0	46	ESE	4	b	1023·9	0	48	+7	SE	2	–	b	*	–	55	36				
FRANCE.	C. Gris Nez ...	1023·9	52	E	5	b	1021·2	+1	47	+3	SE	4	*	bc	2	–	55	41				
	La Hève ...	1021·2	55	ESE	4	b	1019·9	*	46	+4	E	4	*	bc	2	–	57	42				
	Ushant ...	1015·3	55	SSE	4	o	1016·2	*	54	+7	SW	3	*	c	3	–	57	46				
	Brest (St. Mathieu)	1016·7	57	SE	4	c	1019·5	+3	54	+8	SSW	2	*	c	3	–	61	52				
	Rochefort (Ile d'Aix)	1016·7	63	NE	3	c	1021·3	+3	57	+7	NW	3	*	bc	*	–	72	50				
	Biarritz ...	1014·7	75	ESE	2	bh	1023·5	+3	59	+2	W	3	*	o	2	–	79	57				
	Paris ...	1022·6	57	E	2	b	1021·9	0	46	+1	ESE	1	W	b	*	–	61	41				
	Belfort ...	1025·2	49	ENE	6	b	1026·4	*	43	+3	ENE	6	*	m	*	–	51	34				
	Lyons ...	1027·7	56	NW	1	o	1023·5	*	51	+6	SW	1	*	c	*	–	59	44				
	Nice ...	1018·9	58	–	0	b	1024·0	+4	62	+6	–	0	*	c	2	–	68	52				
	Perpignan ..	1017·3	65	S	1	o	1023·9	+5	59	−2	NE	2	–	r	*	–	72	34				
	Sanguinaire ...	*					*	*					*									
SOUTHERN EUROPE.	Corunna (7 a.m.)	1017·3	60	WNW	5	bc	1022·7	+1	57	−2	SSW	2	W	c	1	1	66	45				
	Madrid (8 a.m.) ...	1017·1	72	–	0	bc	1023·0	+3	55	−6	—	0	–	b	*	–	75	50				
	Lisbon (9 a.m.)	1020·0	65	WSW	3	r	1023·7	+2	59	0	WSW	1	NE	b	6	–	68	55				
	Gibraltar ...						*															
	Rome ...	1018·9	63	SW	1	b	1021·7	+3	59	+4	N	1	–	b	*	–	73	55				
	Azores (Horta, 8 a.m.)	1012·7	*	SW	5	f	1016·8	+2	61	−1	SW	4	N	f	5	–	64	61				
	Madeira (Funchal)	1024·0	67	N	2	o	1024·2	+1	66	+2	N	2	W	b	2	–	68	63				

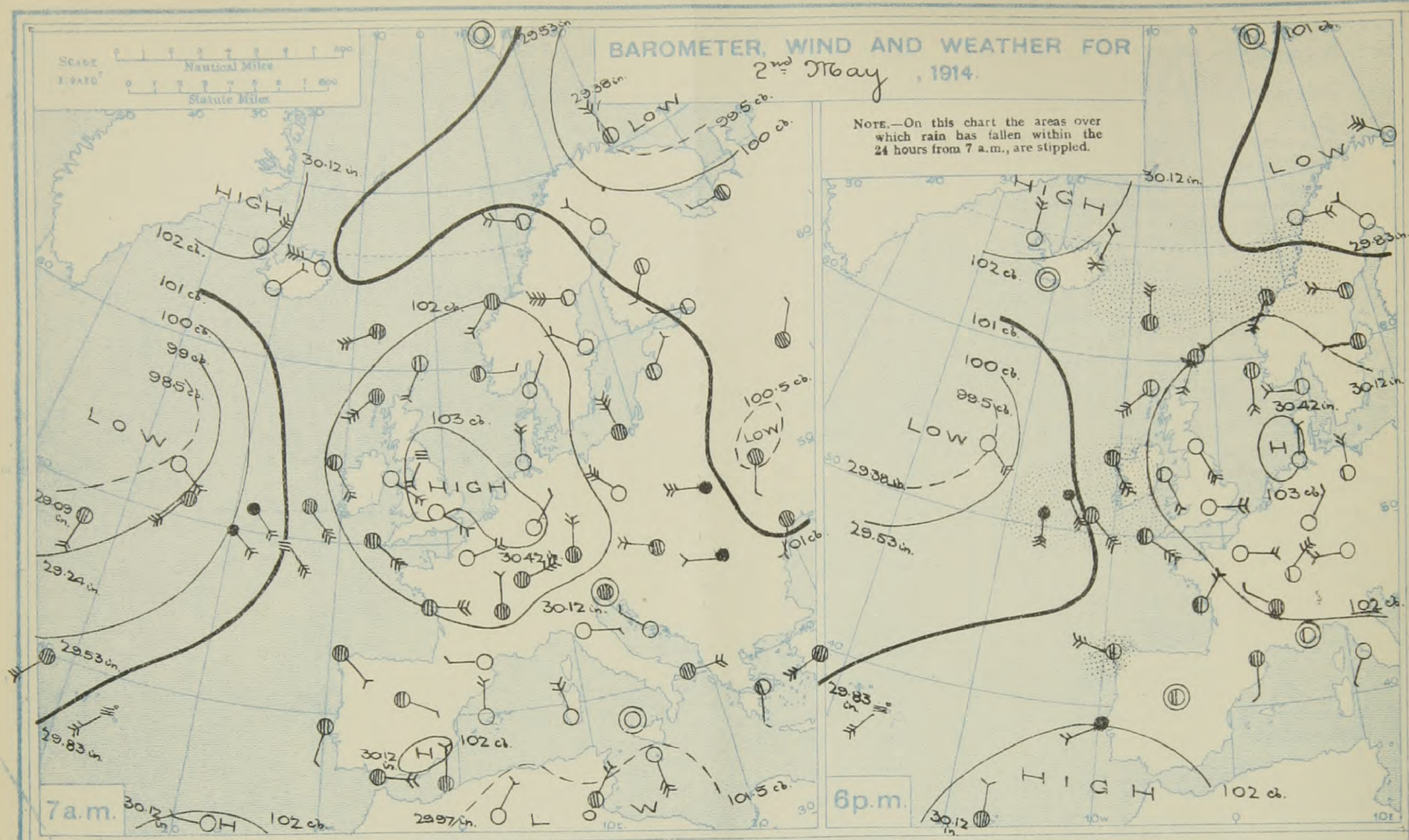
* Information for these columns not usually received. † Received too late for insertion in Charts. ‡ The barometric change is expressed in half-millibars.

Equivalents of Millibars in Inches.

Millibars.	Inches of Mercury at 32° F. in Lat. 45.
940	27·76
950	28·05
960	28·35
970	28·65
980	28·94
990	29·24
1000	29·53
1010	29·83
1020	30·12
1030	30·42
1040	30·71
1050	31·01

1,000 millibars are equivalent to 14½ lbs. per square inch (in Lat. 45).

100 millibars to one pound and a half per square inch.



PILOT BALLOON ASCENTS for the PAST WEEK.
Component Velocities to East and to North in Metres per Second.

	Station	Compt. to E.	Compt. to N.	Compt. to E.	Compt. to N.	Compt. to E.	Compt. to N.	Compt. to E.	Compt. to N.	Compt. to E.	Compt. to N.	Compt. to E.	Compt. to N.	Compt. to E.	Compt. to N.
	Date & Hour	S. Farnborough 27th	11h.	Aberdeen 28th	8h.	Eskdalemuir 28th	11h.	Aberdeen 29th	8h.	Eskdalemuir 29th	11h.	S. Farnborough 29th	11h.	S. Farnborough 1st May	7h.
Heights in Kilometres	5.0											-4	+6		
	4.0											-2	+3	+4	-6
	3.0			+12	+3							0	+3	+3	-7
	2.0	-6	-2	+12	+1					+4	+2	0	+1	0	-8
	1.0	-4	-2	+5	+4	+11	+5	+9	-7	+2	0	0	+2	-17	-13
	0.5	-2	0	-3	+2	+3	+2	+4	-4	-5	-2	-2	0	-7	-5
	Ground	-2	0	-1	0	+7	+7	+2	-2	-4	-2	0	0	-7	-5

	Station	Aberdeen 1st	8h.	Aberdeen 2nd	8h.	Eskdalemuir 2nd	10h.
Heights in Kilometres	5.0						
	4.0						
	3.0						
	2.0	+1	-15	+8	0		
	1.0	+1	-12	+8	+5	-1	+5
	0.5	0	-6	+5	+19	+1	+3
	Ground	+1	-1	+2	+7	+1	+5

Millibars: 1050, 1040, 1030, 1020, 1010, 1000, 990, 980, 970

FORECAST DISTRICTS.

STORM WARNINGS.

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

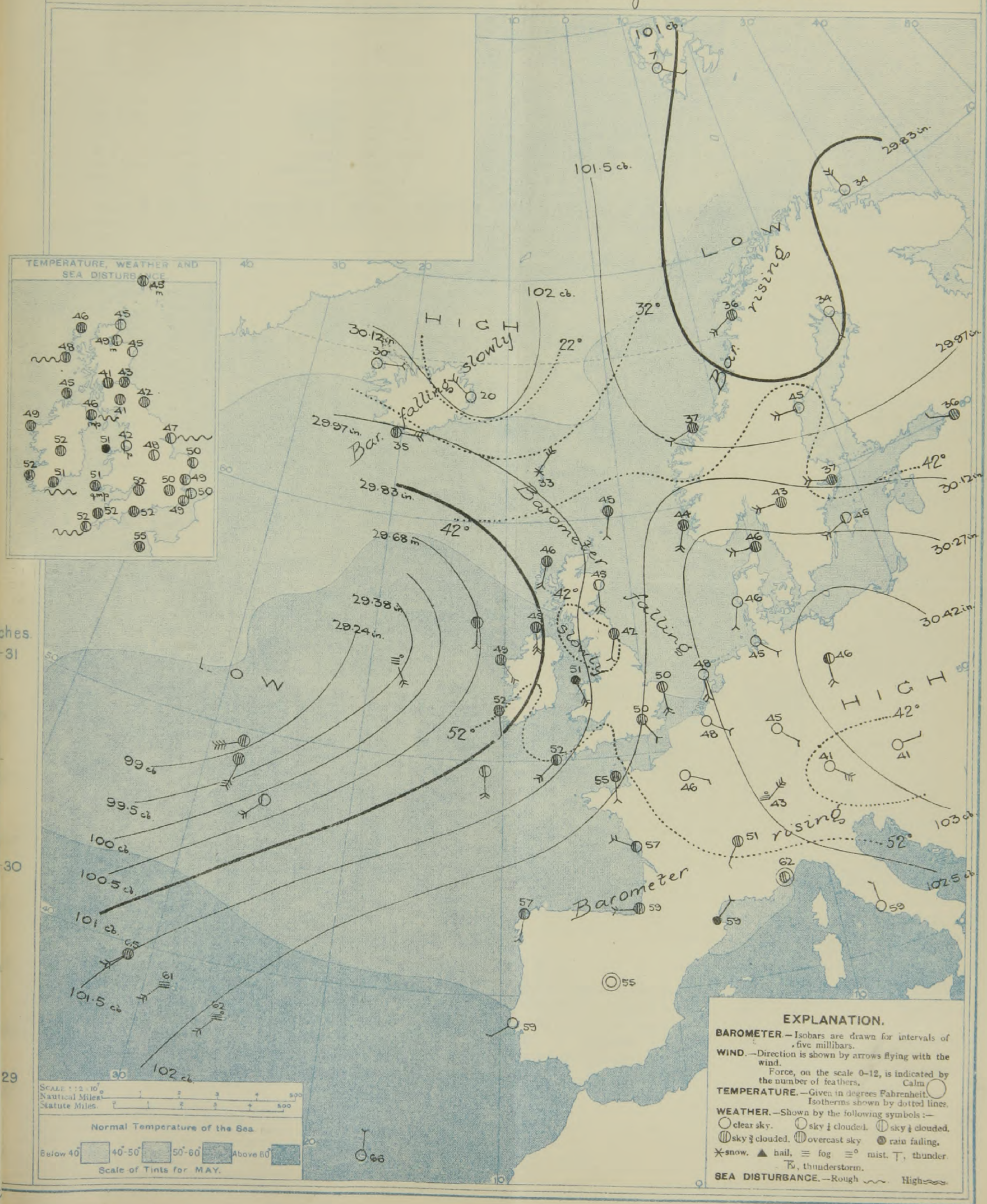
Signals hoisted yesterday.	Signals hoisted this morning.
South Cone.	South Cone.
North Cone.	North Cone.

Cones hoisted at 3.15 pm yesterday

Western Channel and Bay. 11

FURTHER OUTLOOK.

SYNOPTIC CHART FOR 7 a.m., Sunday, 3rd MAY, 1914.



OBSERVATIONS from the ATLANTIC OCEAN received by RADIOTELEGRAPHY.

Date and Hour.	Position. Lat. N.	Position. Long. W.	Name of Ship.	O = Outward. H = Homeward.	Barometer. Reading.	Barometer. Change in 3 hours.	Wind. Direc.	Wind. Force.	Weather.
	°	°			mb.	‡		(0-12).	
3rd 7am.	53	17	California	H	993.9	−1	SSE	4-5	m
" "	55	11	Columbia	O	1008.0	−3	S	4-5	o
" "	49	10	Alaunia	H	1011.5	+2	S	4-5	bc
2nd 6pm.	53	21	California	H	994.9	+2	SE	4-5	b
" "	50	15	Mount Royal	O	1002.3	−3	S	6-7	r
" "	51	13	Empress of Britain	O	1008.8	−3	SE	6-7	r
2nd 6p.m.	50	11	Marquette	H	1008.4	−1	SE	6-7	o
" 7am	51	26	California	H	985.7	+3	SE	4-5	b
" "	50	24	Victorian	O	989.1	−1	SW	6-7	o
" "	49	19	Alaunia	H	1000.6	0	SE	4-5	r
" "	49	14	Laplaind	H	1007.4	+4	SE	6-7	m
" "	51	12	Mount Royal	O	1010.5	−3	SE	6-7	o
" "	48	31	Olympic	O	987.5	−7	SSW	4-5	c

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

	Stations.	Rainfall.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 6 p.m.
		mm.§	°F.	°F.			Hr.
Scotland.	Oban	–					
	St. Andrews				*	*	
	Carnoustie	–	50	38	*	*	5.1
Engg. N.E.	Harrogate	–	52	28	b	b	12.6
	Scarborough	*					
	Skegness	–	52	42	c.bc	bc.b	5.3
Engg. N.W.	Douglas (I. of M.)						
	Morecambe	–	57	35	b	b.bc	12.3
	Blackpool	–	54	32	c.bc	bc	12.2
	Southport	*	56	33	b	bc.b	12.0
Midlands.	Buxton	–	50	25	bc	bc	7.1
	Leamington Spa	–	54	31	c.b	bc	5.8
	Malvern	–	55	24	c.bc	bc.b	7.0
Wales.	Rhyl	–	55	32	bc	b	13.3
	Colwyn Bay						
	Llandudno						
	Aberystwyth	–	57	36	c.b	b.bc	12.0
	Tenby	–	53	43	o.bc	bc.o	4.4
England, E.	Lowestoft						
	Felixstowe	–	50	39	bc	bv	6.6
	Walton-on-Naze	–	48	41	ocpv.bc	b	6.4
	Southend-on-Sea	–	51	41	o.bc	b	8.5
England, S.E.	Margate	–	51	43	bc,b	b	8.6
	Ramsgate	–	50	41	o	bq	9.4
	Folkestone	–	52	42	b.o	b	9.8
	Hythe	–	53	41	b	b	10.0
	Littlestone	*	*	*	*	*	11.3
	Hastings	–	53	42	bc.b	b	11.7
	Bexhill-on-Sea	–	53	43	b	b	12.0
	Eastbourne	–	53	43	bq	bq	12.5
	Seaford	–	53	36	bc	b	12.2
	Brighton	–	55	42	c.bc.b	b	10.4
	Worthing	–	53	40	b	b	10.3
	Littlehampton	–	*	*	*	*	10.1
	Bognor	–	52	43	bc	b	10.3
	Southsea						
	Ryde						
	Ventnor				*	*	
	Bournemouth	–	51	40	o	b	7.8
England, S.W.	Weymouth	–	51	42	p.bc	b.bc	7.3
	Exmouth						
	Teignmouth	–	50	46	c.	bc.c	2.7
	Torquay						
	Paignton	–	54	46	bc.c	bc.o	3.9
	Falmouth	–	51	47	o.c	c.o	1.8
	Bude						
	Ilfracombe	–	54	42	o.c.bc	bc	5.5
	Weston-super-Mare						

LONDON OBSERVATIONS.

Stations.	Humidity. 3 p.m. Yesterday.	Humidity. 9 a.m. To-day.	Sunshine for Yesterday.	Temperature. In Screen. Max.	Temperature. In Screen. Min.	Temperature. Min. on Grass.	Rainfall.	Weather. Forenoon.	Weather. Afternoon.	Weather. Night.
	%	%	Hr.	°F.	°F.	°F.	mm.§			
				24 Hours ended 9 a.m. To-day.						
Greenwich (Royal Obsy.)	56	66	9.0	56	40	29	–	c.r	bc.b	o.o
City (Bunhill Row)	*	*	7.6	*	*	*	*	*	*	*
Westminster (St. James's Pk.)			8.6	53	44	38	–	bc.b	bm.oc	b
Camden Sq. (Brit. Rainfall)	47	66	7.9	56	39	34	–	o.c	bc.b	*
Hampstead (Reservoir)	*	67	7.6	52	40	32	–	b.bc	bc	om
Richmond Park	*	*	8.8							
Kew. (See front page.)										

Vertical Component of Solar Radiation per square centimetre during Yesterday.

Station	Total.	Average Rate.	Max. Rate.
S. Kensington (Roof of M.O.)	1758 Joules	32.9 Milliwatts.	79.0 Milliwatts.

Additional Observations for Yesterday.

Stations.	Rainfall.	Temperature. In Screen. Max.	Temperature. In Screen. Min.	Temperature. Night Min. on Grass.	Weather. Night.	Weather. Forenoon.	Weather. Afternoon.	Sunshine for Yesterday.
	mm.§	°F.	°F.	°F.				Hr.
Dublin to 4 p.m.	–	51	44	42	bq.c	cq	cq.b	*
Plymouth to 9 p.m.	–	50	46	44	o	o	c.b	3.6
Darwen "	–	51	32	30	o.bc	bc	bc	11.4
Manchester "	–	56	34	*	c.o	c.bc	bc.b	11.7
Birmingham "	–	53	34	24	*	o.o	b	6.0
Oxford to 8 p.m.	*	56	30	22	bc	c.o.c	c.bc	*
S. Kensington (Museum Grounds to 6 p.m.)	–	55	42	38	c.bc	b	b.by	*

Table showing the Greenwich Times of Sunrise, Noon and Sunset for Stations in the United Kingdom To-day and To-morrow.

3rd + 4th May 1914.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth	4.20 / 4.19	11.50 / 11.50	7.19 / 7.20
Greenwich	4.31 / 4.29	11.57 / 11.57	7.23 / 7.25
Wick	4.16 / 4.14	12.9 / 12.9	8.2 / 8.4
Valencia	5.10 / 5.8	12.38 / 12.38	8.6 / 8.8

NOTES ON YESTERDAY'S WEATHER.

Low temperatures ruled over the country generally, remaining below 50° in some localities, but Jersey touched 60°. Slight showers fell in Ireland and western England. Valencia had no bright sunshine, while many places had 12 to more than 13 hours. As far west as the 32nd meridian ships experienced Easterly to Southerly and South-Westerly winds, light to strong or a gale, with fine to dull weather, some mist and 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; 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. Single copies 1d. at M.O. and at the bookstalls at certain Railway Termini in London.

Printed at the Meteorological Office, South Kensington, London, S.W. By Wyman & Sons Ltd., Fetter Lane, London, E.C., and Reading.

§ 1 m.m. is approximately 4 hundredths of an inch. ‡ The barometric change is expressed in half-millibars.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

Monday, 4th May, 1914.

	STATIONS	Yesterday Evening: Barom. Millibars at M.S.L.	Temp. °F.	Wind Direc.	Wind Force 0–12.	Weather	This Morning 7 a.m., G.M.T.: Barometer Millibars at M.S.L.	Change in 3 hours. ‡	Temp. Dry Bulb. °F.	Change in 24 hours. °F.	Wind Direc.	Wind Force 0–12.	Direc. of Upper Cloud	Weather.	Sea 0–9.	Past 24 Hours: Rainfall. Millimetres.	Temp. Max. °F.	Temp. Min. °F.	Weather. Morning.	Afternoon.	Night.	Sunshine for Yesterday. Hours.
BRITISH ISLANDS.	Lerwick ...	1010·2	47	SE	4	om	999·8	−6	45	0	SE	2	–	f	2	1	48	45	om	om	om.fc	*
	Stornoway ...	1003·8	46	SE	2	odpm	994·2	−4	49	+3	SSW	4	5	odp	4	4	49	46	odp	odpm	odpm	0·0
	Castlebay (Barra Isd.)	1003·2	49	SE	4	om	995·2	0	50	+2	S	4	–	c	4	5	50	46	odp	d.om	ompr.c	0·1
	Glasgow ...	1007·3	47	E	1	ome	999·2	−1	50	+9	SSW	2	–	og	*	8	50	41	od.o	odm	op.o	0·0
	Eskdalemuir ...	1009·2	48	S	5	odm	1001·2	0	49	+8	SW	4	SW	o	*	12	53	43	odpm	otm	od.o	0·0
	Malin Head ...	1002·7	51	ESE	2	c	997·2	−2	50	+5	SSW	4	SW	c	2	1	53	45	cmq	cm	cmp	*
	Blacksod Point	1000·1	53	S	3	omp	996·4	−2	53	+4	SW	6	W	opm	4	7	56	47	omp.cg	omp	opm	*
	Valencia ...	1003·0	54	S	2	om	1002·7	0	53	+1	SW	3	SW	om	4	7	57	52	cmf	omf	om	1·0
	Roche's Point	1004·7	54	SW	4	r	1005·4	*	53	+2	SW	4	SW	om	5	6	54	51	od	fd	d.omcg	*
	Birr Castle ...	1002·4	54	SSE	1	r	1002·0	*	52	0	S	1	S	o	*	2	61	49	c	c.or	op	2·3
	Donaghadee ...	1006·3	52	SW	4	om	1001·5	0	51	+5	SW	2	SW	bc	2	4	57	46	omp	om	om.r.bc	*
	Liverpool (Bidston)	1010·3	58	SSE	2	c	1004·5	+3	53	+11	SW	2	W	c	3	2	62	42	bc	bc	or	4·9
	Holyhead ...	1009·3	52	SSE	6	odgm	1004·7	+2	52	+1	SW	5	–	b	5	10	54	50	od.o.om	oc.o.om	r.o.c.bc	0·1
	Pembroke (St. Ann's)	1008·8	52	SSW	5	r	1008·0	+3	51	0	SW	6	SW	ogm	4	9	52	49	cpq	com	odmfd	0·0
	Newquay ...	1010·9	55	SW	4	r	1011·1	+3	54	+2	SW	4	SW	o	4	8	60	52	c.bc	c.or	or	7·1
	Scilly (St. Mary's)	1010·1	53	S	5	omtq	1011·0	−2	52	0	SW	5	SW	cpm	6	9	55	51	od.mq	ompq	compq	0·0
	Jersey (St. Aubin)	1017·7	58	SSE	2	bc	1015·9	*	58	0	WSW	4	W	o	3	7	62	54	o.c.	bc	omr.o	5·3
	Portland Bill ...	1016·7	53	SSE	3	o	1011·2	+2	53	+1	WSW	6	W	c	5	9	55	51	o.c.bc	bc.c.o	or.dm	*
	Dungeness ...	1018·6	55	S	2	bc	1012·5	?	54	+5	SSW	4	SW	o	4	4	59	48	c.bc	bc	c.or	*
	Dover ...	1017·2	53	SW	3	b	1011·8	*	53	+3	SW	6	–	m	6	3	58	50	bc.c	c.b	bc.r.dm	7·7
	Wick ...	1005·7	49	SSW	2	m	1000·4	−4	48	+3	SSW	1	–	o	3	1	49	44	bcm.om	omp	cm.omd	*
	Nairn ...	1005·8	53	–	0	o	1006·5	–	51	+2	–	0	–	bcm	1	2	57	45	dm	bc.dm	mp	1·2
	Aberdeen ...	1008·8	49	SSW	2	o	997·1	−3	50	+5	SSW	2	–	o	2	0·5	51	45	bc.c.o	op.c.	odm	2·3
	Leith ...	1009·2	50	W	1	o	998·8	−2	53	+10	WSW	3	W	c	*	3	54	42	r	ogp	o	*
	North Shields ...	1011·7	55	SSW	3	ogm	1002·5	+2	53	+11	SW	3	SW	cm	2	5	56	46	og	ogp	omr	0·1
	Spurn Head ...	1013·2	58	SW	4	bc	1004·7	−2	52	+3	SW	4	W	c	4	3	59	42	bc	bc	c	1·3
	Yarmouth ...	1017·1	53	S	3	c	1007·9	0	55	+5	SW	2	SW	c	1	2	55	49	d	c	bc.c	4·2
	Clacton-on-Sea	1016·6	55	SSE	3	bc	1010·1	0	55	+6	SSW	4	SW	o	4	1	56	48	c3	c.bc	bc.c.or	3·0
	Nottingham ...	1012·9	59	S	4	c	1005·8	*	56	+8	SW	4	SW	cp	*	2	61	48	bc.o	o.c	c.op	1·3
	Bath ...	1015·2	56	SW	4	o	1010·1	*	57	+5	W	5	W	o	*	5	63	51	p.oq	q.bc.c.o	q.or	2·7
	London (Kew Obsy.)	1016·8	61	SSW	3	bc	1011·2	+1	56	+6	SW	4	SW	o	*	4	64	50	op.c.	c.bc	bc.or.o	3·1
ICELAND, FAEROE, &c.	Spitzbergen ...	1009·8	2	SE	1	b	1009·8	0	14	+7	N	1	–	s	*	*	14	1				
	Isafjord ...	1017·3	30	NE	6	b	1018·5	0	32		–	0	*	b	*	*	*	*				
	Reykjavik ...	1013·2	41	E	3	c	1008·8	−1	29	−4	–	0	*	b	*	*	*	*				
	Vestmanna ...	1012·0	35	E	7	bc	1007·4	0	32	−3	–	0	*	o	1	*	*	*				
	Seydisfjord ...	1017·5	37	NE	3	b	1013·2	−2	25	+5	NE	2	*	s	*	*	*	*				
	Thorshavn ...	1010·9	34	ENE	6	s	1000·6	−3	39	+6	ENE	7	*	r	*	*	*	*				
NORTHERN EUROPE.	Vardö ...	1005·3	32	NNW	1	o	1002·4	0	30	−4	N	4	–	bc	2	0	34	28				
	Bodö ...	998·9	36	SSW	6	c	1005·3	0	37	+1	NNW	2	–	b	2	?	37	32				
	Christiansund	1014·7	35	W	3	s	1008·2	0	39	+2	–	0	–	m	5	6	39	34				
	Skudesnaes ..	1018·3	45	SSE	5	c	1005·5	−4	47	+3	SE	5	W	o	4	2	47	43				
	Færder (X'tania Fjord)	1017·9	54	ENE	6	c	1002·6	−5	46	+3	S	2	W	c	1	–	54	41				
	The Scaw (Skagen)	1022·0	50	W	2	bc	1011·9	−3	49	+3	S	4	W	o	–	–	52	43				
	Blaavands Huk	1021·2	52	SSE	1	b	1011·8	−3	52	+6	S	3	SW	c	2	–	54	41				
	Haparanda ...	1003·9	37	S	2	b	1000·3	−1	34	0	SW	2	N	b	*	1	?39	32				
	Hernösand ...	1011·3	46	SW	2	bc	1010·5	0	41	−4	–	0	–	c	*	0.5	55	34				
	Stockholm ...	1017·9	45	S	2	o	1015·2	0	48	+11	WSW	2	W	b	*	–	50	37				
	Wisby ...	1021·0	48	WSW	4	bc	1018·9	−3	52	+7	SW	2	SW	b	*	–	54	41				
	Karlstad ...	1018·6	46	W	4	c	1018·8	−4	45	+2	–	0	SW	c	*	–	52	37				
	St. Petersburg														*		*					
CENTRAL EUROPE.	Berlin ...	1025·0	57	S	2	b	1019·9	−2	50	+4	S	4	–	b	*	–	61	41				
	Frankfurt ...	1021·5	63	SE	1	b	1021·0	0	52	+7	SW	1	–	m	*	–	64	45				
	Munich ...	1022·1	55	E	2	bc	1024·0	0	54	+13	SW	4	–	c	*	1	61	43				
	Vienna ...														*							
	Cuxhaven ...	1020·8	54	S	2	b	1014·4	−2	53	+8	SSW	3	SW	c	0	–	61	43				
	The Helder ...	1018·4	55	–	0	bc	1010·9	−6	48	0	S	6	–	r	2	0.5	61	43				
	Brussels ...	–	–	–	–	c	1015·3	+2	55	+9	SW	4	–	r	*	–	68	50				
FRANCE.	C. Gris Nez ...	1018·3	55	SSW	3	bc	1013·2	−1	53	+6	SW	5	*	f	4	1	63	52				
	La Hève ...	1018·9	60	–	0	b	1015·4	*	55	+9	SW	5	*	o	4	3	64	46				
	Ushant ...	1013·8	55	SSW	5	r	1015·2	*	55	+1	SW	4	*	f	4	4	55	50				
	Brest (St. Mathieu)	1017·6	55	SSW	5	f	1016·9	+1	54	0	SW	5	*	m	5	1	61	52				
	Rochefort (Ile d'Aix)	1023·0	59	WSW	2	c	1023·0	0	58	+1	SW	4	*	o	*	–	66	55				
	Biarritz ...	1023·1	62	NE	3	c	1024·0	−1	61	+2	ESE	3	*	b	1	–	68	?55				
	Paris ...	1019·6	64	WSW	2	b	1019·3	−1	54	+8	SSW	3	–	r	*	2	70	46				
	Belfort ...	1021·6	66	W	4	c	1024·7	*	54	+11	W	4	*	c	*	1	70	52				
	Lyons ...	1025·4	59	S	1	o	1025·4	*	57	+6	SSE	1	*	bc	*	–	73	53				
	Nice ...	1024·7	59	E	1	bc	1026·0	+1	59	−3	–	0	*	b	*	–	70	52				
	Perpignan ..	1024·3	63	E	1	o	1026·7	+3	59	0	–	0	*	o	*	0.5	68	34				
	Sanguinaire ...	*	61	N	2	m	*	*	60		E	2	*	m	2	–	64	55				
SOUTHERN EUROPE.	Corunna (7 a.m.)	1022·9	68	SSW	3	b	1025·2	+1	61	+4	SSE	2	–	o	2	–	70	61				
	Madrid (8 a.m.) ...	1021·1	72	SW	2	b	1026·3	+3	59	+4	SW	1	W	b	*	–	75	52				
	Lisbon (9 a.m.)	1023·7	68	WNW	4	bc	1025·4	+1	61	+2	WNW	3	–	b	b	–	72	57				
	Gibraltar ...	1024·0	62	SE	2	b	1025·0	*	63		E	4	–	o	1	–	69	59				
	Rome ...														*							
	Azores (Horta, 8 a.m.)	1019·5	*	SW	4	f	1022·0	+2	61	0	SW	3	–	f	3	2	66	61				
	Madeira (Funchal)	1026·3	66	NE	3	bc	1025·3	+1	64	−2	NE	3	–	b	3	–	70	61				

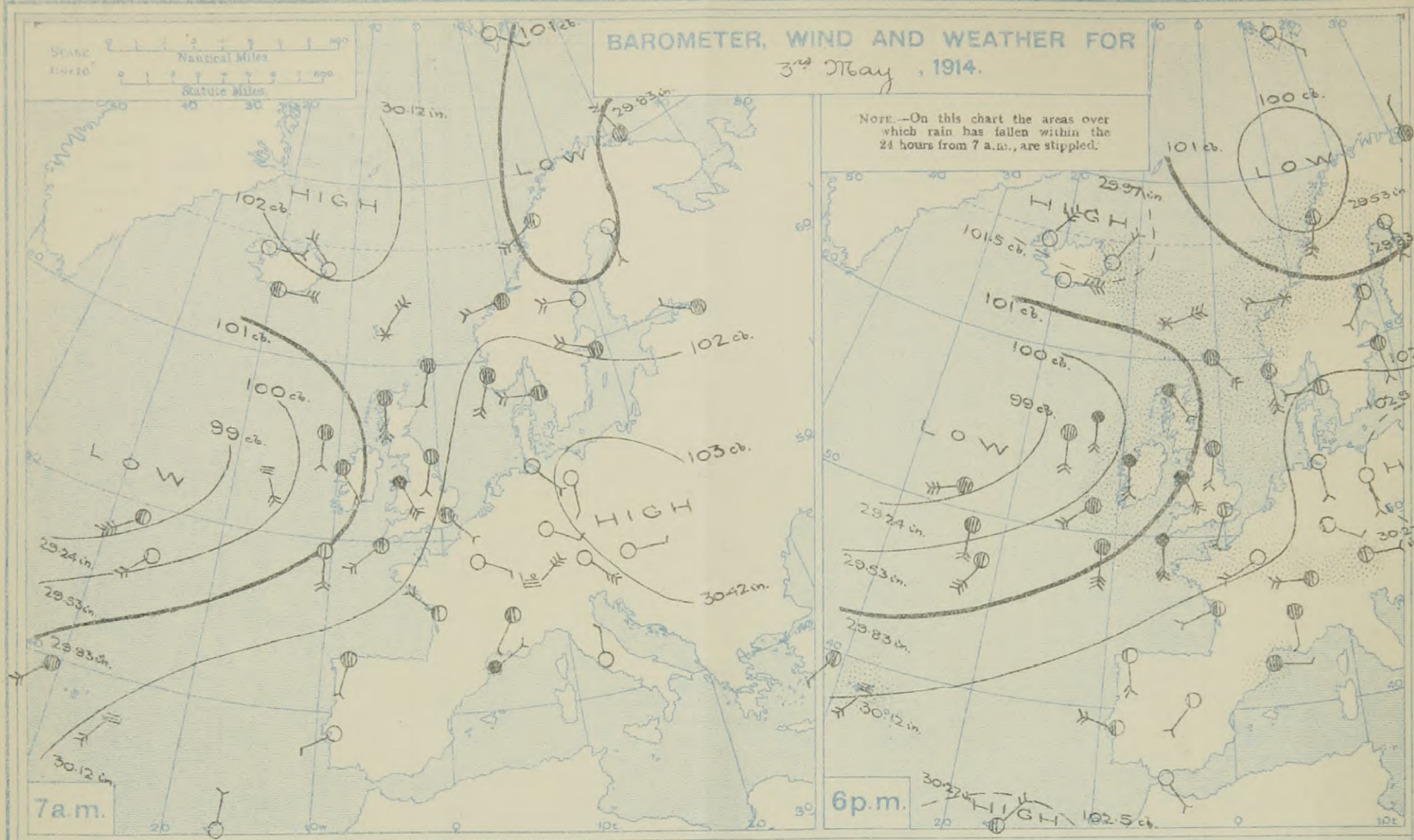
* Information for these columns not usually received. † Received too late for insertion in Charts. ‡ The barometric change is expressed in half-millibars.

Equivalents of Millibars in Inches.

Millibars.	Inches of Mercury at 32° F. in Lat. 45.
940	27·76
950	28·05
960	28·35
970	28·65
980	28·94
990	29·24
1000	29·53
1010	29·83
1020	30·12
1030	30·42
1040	30·71
1050	31·01

1,000 millibars are equivalent to 14½ lbs. per square inch (in Lat. 45).

100 millibars to one pound and a half per square inch.



FORECASTS FOR THE 24 HOURS NOON MONDAY TO NOON TUESDAY.

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.

0 {a, b} Light or moderate Southerly winds; cloudy, with occasional rain; moderate temperature.

1, 2 {a, b}, 3, 4 {a, b} Light or moderate South-Westerly winds; mild, changeable, some showers, fine intervals.

5 Moderate to fresh Westerly and South-Westerly winds; mild, changeable, some showers, fine intervals.

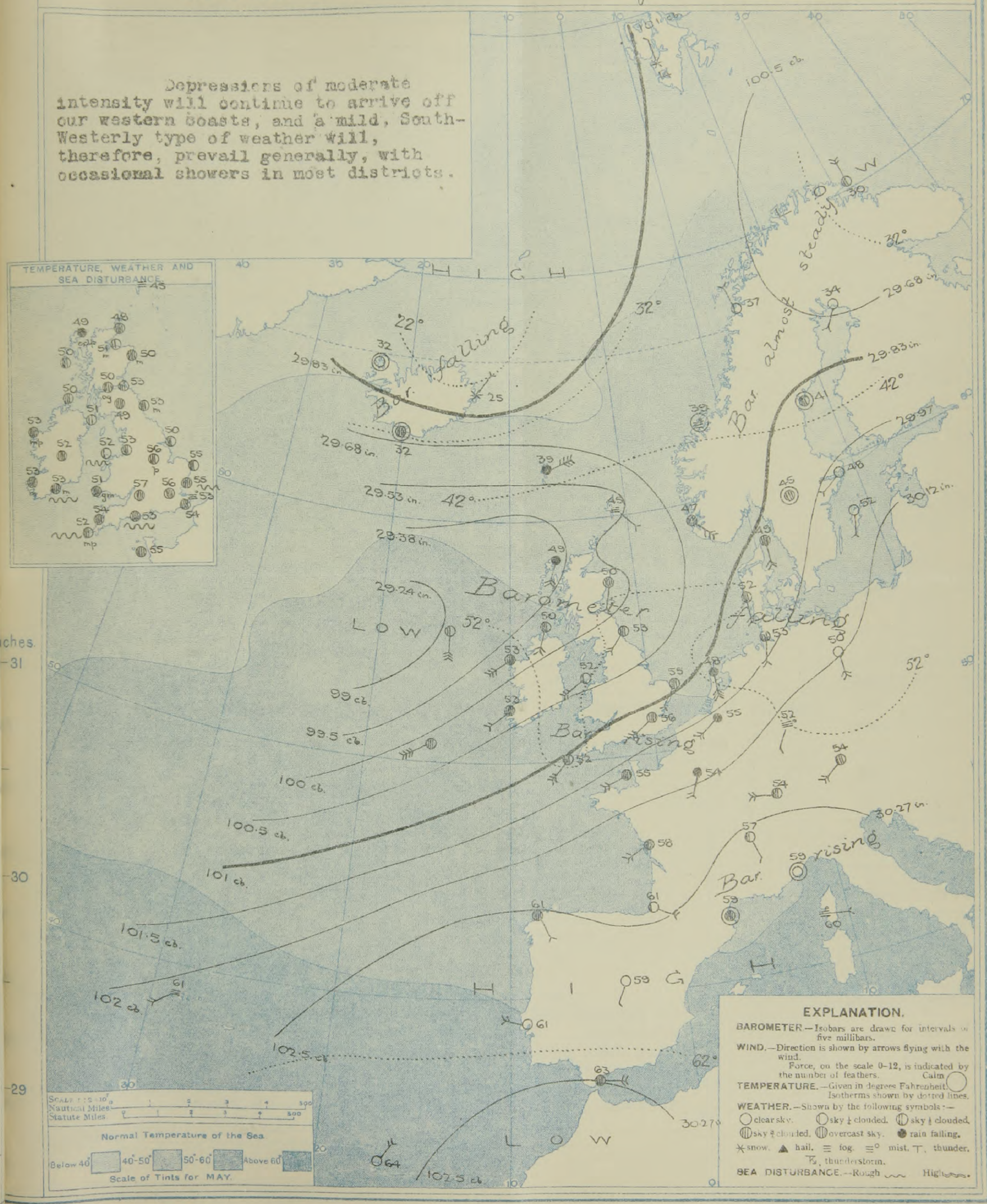
6 {a, b}, 7 {a, b}, 8 {a, b}, 9 {a, b}, 10 {a, b} South-Westerly winds, fresh or strong in places; changeable, some showers, mist locally on coast; moderate temperature.

Western Channel and Bay. 11 Fresh South-Westerly winds and a rather rough sea; changeable, showery, some fine intervals; moderate temperature.

FURTHER OUTLOOK.

Millibars
1050
1040
1030
1020
1010
1000
990
980
970

SYNOPTIC CHART FOR 7 a.m., Monday, 4th MAY, 1914.



DAILY WEATHER REPORT. Monday, 4th May, 1914.

OBSERVATIONS from the ATLANTIC OCEAN received by RADIOTELEGRAPHY.

Date and Hour.	Position. Lat. N.	Position. Long. W.	Name of Ship.	O = Outward. H = Homeward.	Barometer. Reading.	Barometer. Change in 3 hours.	Wind. Direc.	Wind. Force.	Weather.
	°	°			mb.	‡		(0-12).	
3rd 3pm.	51	24	Empress of Britain	O	990.5	0	WSW	6-7	o
" "	49	22	Adriatic	O	997.9	−4	S	4-5	o
" "	50	21	Mount Royal	O	994.9	+1	WSW	6-7	r
" "	48	21	Megaba	H	1006.8	+3	SW	6-7	c
" "	48	19	Marquette	O	1004.4	−1	SW	6-7	bc
" "	55	13	Scandinavian	O	993.2	−0	S	4-5	r

Date and Hour.	Position. Lat. N.	Position. Long. W.	Name of Ship	O = Outward. H = Homeward.	Barometer. Reading.	Barometer. Change in 3 hours.	Wind. Direc.	Wind. Force.	Weather.
	°	°			mb.	‡		(0-12).	
3rd 6pm.	54	12	California	H	993.9	−2	S	4-5	r
" "	51	11	Caronia	O	1004.7	−2	SW	4-5	o
" "	49	11	St. Paul		1004.0	−5	S	6-7	o
" "	55	10	Mongolian	O	1001.7	−5	SE	4-5	o
" 7am	49	27	Mauretania	O	994.2	0	WSW	8-9	c
" "	48	27	Adriatic	O	990.5	−1	SSW	6-7	o

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

	Stations.	Rainfall.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 6 p.m.
		mm.§	°F.	°F.			Hr.
Scotland.	Oban						
	St. Andrews				*	*	
	Carnoustie	2.3	49	42	*	*	1.0
Eng. N.E.	Harrogate	–	57	33	o	o.bc.c.o	0.3
	Scarborough	*	53	41	of	of	2.7
	Skegness	–	61	45	c.bc	bc.c	4.1
Eng. N.W.	Douglas (I. of M.)	5.6	52	44	or	gr	0.6
	Morecambe						
	Blackpool	1.8	57	42	or.c	o.c	1.0
	Southport	1.5	59	41	r.o.c	o.bcc	2.6
Mid. Lands.	Buxton	0.8	55	34	bcr	*	1.7
	Leamington Spa	–	62	40	o	c.b.o	1.9
	Malvern	0.8	61	48	c.bc	bc.c	2.5
Wales.	Rhyl	0.3	57	44	bc	bc.o	2.6
	Colwyn Bay	–	59	44	bc	bc	5.3
	Llandudno	–	60	47	bc	bc	2.3
	Aberystwyth	–	59	47	o	bc.o	1.3
	Tenby						
England. E.	Lowestoft	–	55	41	bc.c	c.o.bc	6.5
	Felixstowe	–	54	40	bc	bc	6.2
	Walton-on-Naze	–	54	45	cm	cm.bcm	4.6
	Southend-on-Sea	–	64	45	bc	bc.b	5.7

	Stations.	Rainfall.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 6 p.m.
		mm.§	°F	°F.			Hr.
England, S.E.	Margate	–	64	45	bc	bc.b	5.2
	Ramsgate	–	56	45	o	b	7.7
	Folkestone	–	59	40	o.c.b	bc.b	7.7
	Hythe						
	Littlestone	*	*	*	*	*	7.4
	Hastings	–	57	47	bc	c.bc	6.4
	Bexhill-on-Sea	–	58	40	b	b	5.2
	Eastbourne	–	58	48	bc	b.bc	6.2
	Seaford						
	Brighton	–	59	48	o.c.o	c.bc.b.c	4.1
	Worthing	–	58	47	c	c.o.b	3.4
	Littlehampton	–	*	*	*	*	2.9
	Bognor	–	*	*	o	bc	3.1
	Southsea	–	61	47	op	bc	3.3
	Ryde	–	60	46			3.0
	Ventnor	–	57	48	*	*	3.5
	Bournemouth	0.3	61	48	o.c	o	3.5
England, S.W.	Weymouth	–	61	49	o.bc	bc.o	2.3
	Exmouth	0.3	59	48	o	c.bc.o	2.9
	Teignmouth	0.8	63	50	cp.bc	bc.or	2.1
	Torquay	1.0	61	48	cp.bc	bc.od	3.2
	Paignton	1.0	61	48	cp.bc	bc.od	3.2
	Falmouth	1.6	59	49	o.bc	o	0.7
	Bude	1.8	61	42	–	–	3.2
	Ilfracombe	1.8	62	48	om.c.bc	bc.c.ow	4.2
	Weston-super-Mare	0.3	65	45	o.c.bc	b.bc.o	4.2

LONDON OBSERVATIONS.

Stations.	Humidity. 3 p.m. Yesterday.	Humidity. 9 a.m. To-day.	Sunshine for Yesterday.	Temperature. In Screen. Max.	Temperature. In Screen. Min.	Temperature. Min. on Grass.	Rainfall.	Weather. Forenoon.	Weather. Afternoon.	Weather. Night.
				24 Hours ended 9 a.m. To-day.						
	%	%	Hr.	°F.	°F.	°F.	mm.§			
Greenwich (Royal Obsy.)	64	76	4.2	67	53	45	3.1	cr.c	c.o	o
City (Bunhill Row)	*	*	1.9	*	*	*	*	*	*	*
Westminster (St. James's Pk.)	78	83	2.5	62	53	51	3.6	bc.o	bcm	cm
Camden Sq. (Brit. Rainfall)	–	75	2.8	66	54	49	3.3	–	–	*
Hampstead (Reservoir)	*	82	1.8	61	52	49	3.3	o.c	bc	bc.r
Richmond Park	*	*	3.6							
Kew. (See front page.)										
S. Kensington (Roof of M.O.)	–	71	1.6							

Vertical Component of Solar Radiation per square centimetre during Yesterday.

	Total.	Average Rate.	Max. Rate.
S. Kensington (Roof of M.O.)	1192 Joules	22.3 Milliwatts.	74.5 Milliwatts.

Additional Observations for Yesterday.

Stations.	Rainfall.	Temperature. In Screen. Max.	Temperature. In Screen. Min.	Temperature. Night Min. on Grass.	Weather. Night.	Weather. Forenoon.	Weather. Afternoon.	Sunshine for Yesterday.
	mm.§	°F.	°F	°F.				Hr.
Dublin to 4 p.m.	0.5	64	47	44	cp.o	c.b	bc.o	*
Plymouth to 9 p.m.								
Darwen "								
Manchester "	1.0	61	48	*	bc.or	or.o	c.or	0.3
Birmingham "	0.3	61	39	33	*	r.o	o.c	1.6
Oxford to 8 p.m.	*	61	42	33	bcg.o	or.o	o.c.bc.o	*
S. Kensington (Museum Grounds to 6 p.m.)	–	63	45	40	o.c	c.bc	bc.c	*

Table showing the Greenwich Times of Sunrise, Noon and Sunset for Stations in the United Kingdom To-day and To-morrow.

4th & 5th April 1914.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	4.19 / 4.18	11.50 / 11.50	7.20 / 7.22
Greenwich	4.29 / 4.28	11.57 / 11.57	7.25 / 7.26
Wick	4.14 / 4.12	12.9 / 12.9	8.4 / 8.6
Valencia	5.8 / 5.6	12.38 / 12.38	8.8 / 8.9

NOTES ON YESTERDAY'S WEATHER.

The thermometer rose to 60° and upwards in many parts of England and Ireland, to 66° at Camden Square, and to 67° at Greenwich. The amount of bright sunshine was as a rule small. Rain fell generally, rather heavily in the west. Wireless reports show that as far west as the 27th meridian ships experienced fresh to strong winds from the Southward and South-Westward, with variable weather, mist in places.

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. Single copies 1d. at M.O. and at the bookstalls at certain Railway Termini in London.

Printed at the Meteorological Office, South Kensington, London, S.W. By Wyman & Sons Ltd., Fetter Lane, London, E.C., and Reading.

§ 1 m.m. is approximately 4 hundredths of an inch. ‡ The barometric change is expressed in half-millibars.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

Tuesday, 15th May, 1914.

	STATIONS.	Yesterday Evening: Barom. Millibars at M.S.L.	Temp. °F.	Wind Direc.	Wind Force 0-12	Weather.	This Morning 7 a.m. G.M.T.: Barometer Millibars at M.S.L.	Barometer Change in 3 hours. ‡	Temp. Dry Bulb. °F.	Temp. Change in 24 hours °F.	Wind Direc.	Wind Force 0-12.	Direc. of Upper Cloud	Weather.	Sea 0-9.	Past 24 hours: Rain fall. Millimetres.	Temp. Max. °F.	Temp. Min. °F.	Weather Morning.	Weather Afternoon	Weather Night.	Sunshine for Yesterday. Hours.
BRITISH ISLANDS.	Lerwick ...	993.6	48	WNW	1	om	993.4	+2	47	+2	–	0	–	om	1	1	49	45	f.md	omd	omd.om	*
	Stornoway ...	991.9	52	SSW	5	o	991.0	0	49	0	SE	3	SE	bc	3	1	54	46	c.qp	odp	o.bc	1.9
	Castlebay (Barra Isd.)	991.9	50	SSW	4	o	988.8	0	49	−1	–	0	–	op	2	2	52	47	c.o.bc	bc.o	op	2.7
	Glasgow ...	995.8	50	SSW	2	omr	993.0	−2	47	−3	SW	5	–	od	*	8	55	46	o.c.op	op	op.o	0.9
	Eskdalemuir ...	997.7	49	SSW	5	m	994.8	−2	45	−4	SSW	6	SW	p	*	12	55	44	op	p.pq	pq	3.1
	Malin Head ...	994.0	52	WSW	4	c	999.0	+3	47	−3	W	6	–	o	5	25	55	46	cqp	cqp	ompq	*
	Blacksod Point	995.2	52	SW	6	cqmp	995.9	+2	50	−3	W	6	NW	cmq	5	4	55	47	bcp	bcqp	cmqp	*
	Valencia ...	1002.0	53	SW	4	c	1002.7	+2	51	−2	SW	5	SW	om	5	8	55	49	omr	omr	cp	1.0
	Roche's Point	1003.3	54	SW	6	r	1002.4	*	50	−3	W	4	W	bc	4	2	57	49	o.c	op.c.op	op.bc	*
	Birr Castle ...	999.3	53	SW	4	c	998.6	*	48	−4	SW	2	SW	o	*	5	59	47	cp	cpq	c.op	3.1
	Donaghadee ...	997.1	52	SW	3	cp	995.1	−2	49	−2	W	3	W	bcp	3	15	58	47	omp	cptlrh	cp.bcp	*
	Liverpool (Bidston)	1000.9	54	SW	5	o	999.3	−1	51	−2	SW	3	W	o	3	2	59	49	bc	cpq	or	4.2
	Holyhead ...	1001.5	51	S	6	ogr	1000.1	−1	50	−2	SW	5	SW	cm	5	4	55	48	cm	ogr	ogr.cm	2.5
	Pembroke (St. Ann's)	1005.7	52	SW	6	o	1002.7	0	50	−1	WSW	6	SW	cq	6	17	53	50	ogm	ogm	ogrm	1.4
	Newquay ...	1009.0	54	SW	6	bcz	1006.4	−1	52	−2	SW	4	–	op	5	1	56	51	o.o	c.bc	o.op	2.5
	Scilly (St. Mary's)	1009.6	53	WSW	5	cm	1009.0	0	51	−1	W	6	W	cpq	6	2	56	48	bm	cm	cm.cpq	3.4
	Jersey (St. Aubin)	1013.9	54	SW	3	c	1011.4	*	53	−2	SW	4	SW	o	3	4	60	51	od.op	c.op.c	c.op.o	0.3
	Portland Bill ...	1010.2	53	WSW	5	c	1007.4	−2	52	−1	WSW	5	SW	o	5	0.5	54	50	om	om.bc	c.op	*
	Dungeness ...	1010.8	54	SW	5	o	1008.8	−1	53	−1	WSW	7	W	c	6	–	58	51	o.c	c.o	bc	*
	Dover ...	1009.1	54	SW	5	c	1006.4	*	52	−1	SW	6	W	ce	6	–	58	49	m.c.bc	bc.c	c	3.6
	Wick ...	993.0	49	SSE	2	o	991.5	0	48	0	S	1	S	o	2	5	57	46	omd.cp	cp.omp	om.omp	*
	Nairn ...	992.7	57	W	2	cg	991.2	*	52	+1	–	0	–	bc	0	0.5	63	43	bcq	bc.g	bc.c	5.3
	Aberdeen ...	994.5	55	SW	4	c	992.6	0	52	+2	SW	4	SW	b	2	0.5	65	47	o.c	c.bcp	c.p.bc.b	4.4
	Leith ...	995.7	56	SSW	3	c	993.8	−1	50	−3	SW	4	SW	c	*	3	60	48	cp	cpq.c	c	*
	North Shields ...	1000.3	56	W	4	bcp	997.9	0	50	−3	SW	3	SW	bcp	3	1	62	47	bcp	bcp	bcm	?
	Spurn Head ...	1003.4	58	SW	5	c	1000.0	−1	52	+2	SW	4	SW	cp	4	0.5	62	47	cpq	c	cp	4.6
	Yarmouth ...	1006.8	60	WSW	3	c	1003.2	−3	52	−3	SW	3	SW	c	1	0.5	66	48	bcp	c	c	3.4
	Clacton-on-Sea	1007.8	57	SW	6	o	1005.7	−1	54	−1	SW	5	SW	c	4	–	63	50	o.c.bc	bc.c.o	o.bc.c.o	4.2
	Nottingham ...	1004.3	56	SW	5	o	1001.5	*	53	−3	SW	4	SW	bc	*	2	61	49	cp.o	o.c	c.b	2.4
	Bath ...	1008.1	57	W	3	o	1005.1	*	52	−5	SW	5	SW	o	*	5	60	49	c.op	p.o	bc.or	1.8
	London (Kew Obsy.)	1008.4	57	WSW	5	cq	1005.7	−1	54	−2	SSW	4	SW	c	*	–	63	50	o.c.o	o.cq	bm.c	4.1
ICELAND, FAEROE, &c.	Spitzbergen ...	1009.7	13	–	0	b	1009.7	0	6	−8	–	0	*	b	*	*	19	3				
	Isafjord ...	1011.1	30	N	7	o	1011.5	+1	28	−4	N	7	*	o	*	*	*	*				
	Reykjavik ...	1007.8	36	NNE	3	b	1008.4	+1	31	+2	E	2	*	o	*	*	*	*				
	Vestmanna ...	1007.0	35	E	2	c	1007.8	0	34	+2	–	0	*	o	1	*	*	*				
	Seydisfjord ...	1010.4	35	NE	2	o	1010.1	0	30	−5	NE	3	*	o	*	*	*	*				
	Thorshavn ...	995.9	44	ENE	5	r	996.6	+3	40	+1	ENE	8	*	r	*	*	*	*				
NORTHERN EUROPE.	Vardö ...	1008.0	30	N	3	s	1009.7	+2	34	+4	NE	3	–	o	2	*	32	28				
	Bodö ...	1005.0	36	E	2	b	997.1	+4	39	+2	S	3	–	b	1	–	43	32				
	Christiansund	996.4	45	SE	1	o	991.8	+1	43	+4	WSW	1	–	r	4	6	45	39				
	Skudesnaes ...	997.7	45	S	5	o	993.9	0	45	−2	S	5	N	r	4	6	48	43				
	Færder (X'ania Fjord)	999.5	48	S	4	m	997.0	−1	45	−1	SW	2	–	f	2	2	50	45				
	The Scaw (Skagen)	1002.7	51	SSW	3	r	997.9	−2	50	+1	SSW	2	–	m	*	2	52	48				
	Blaavands Huk	1005.6	50	SW	3	f	1000.7	−2	48	−4	SW	4	–	o	2	5	54	46				
	Haparanda ...	1006.1	37	N	2	b	1006.6	0	36	+2	E	2	–	o	*	–	46	28				
	Hernösand ...	1006.1	45	–	0	o	995.1	−8	39	−2	SE	2	–	r	*	3	52	37				
	Stockholm ...	1007.4	50	W	2	c	998.9	−1	55	+7	WSW	2	–	o	*	r	61	46				
	Wisby ...	1009.5	52	SW	6	bc	1002.0	−2	54	+2	SSW	4	SW	b	*	–	57	48				
	Karlstad ...	1003.1	55	–	0	o	997.5	−1	50	+5	SW	2	–	o	*	1	61	45				
	St. Petersburg	1010.6	46	W	3	c	1009.7	0	43		S	1	–	o	*	–	*	?				
CENTRAL EUROPE.	Berlin ...	1012.8	68	SW	3	o	1006.1	−4	59	+9	SW	3	SW	o	*	1	73	50				
	Frankfurt ...	1016.8	61	SW	2	c	1012.2	+3	54	+2	SW	2	–	o	*	1	64	52				
	Munich ...	1020.8	59	SW	4	r	1017.6	0	48	−6	W	4	–	r	*	2	64	48				
	Vienna ...	1021.9	54	SE	1	o	1017.2	+3	50	+4	SE	2	–	c	*	–	61	45				
	Cuxhaven ...	1009.1	55	SW	3	o	1004.4	0	55	+2	SW	4	–	o	2	1	68	50				
	The Helder ...	1008.2	53	SSW	5	o	1004.6	0	53	+5	SW	5	–	o	3	2	55	48				
	Brussels ...	–	–	–	–	–	1010.0	−1	54	−1	?SW	4	–	r	*	9	63	48				
FRANCE.	C. Gris Nez ...	1010.5	54	SW	5	o	1008.1	−1	52	−1	SW	6	*	bc	5	0.5	57	50				
	La Hève ...	1013.1	55	WNW	5	r	1011.3	*	51	−4	SW	5	*	oq	5	11	59	48				
	Ushant ...	1015.3	54	WSW	4	bc	1012.6	*	54	−1	W	6	*	c	6	3	57	46				
	Brest (St. Mathieu)	1015.1	54	WSW	4	o	1013.5	0	54	0	WSW	5	*	c	4	–	57	52				
	Rochefort (Ile d'Aix)	1020.7	59	SW	4	o	1019.4	0	55	−3	W	4	*	c	*	8	64	55				
	Biarritz ...	1021.2	63	NE	2	o	1022.9	0	57	−4	SW	3	*	r	2	2	73	57				
	Paris ...	1015.4	63	SW	1	o	1014.3	+1	55	+1	SW	4	W	b	*	1	68	52				
	Belfort ...	1021.3	61	WSW	6	c	1017.2	*	54	0	WSW	4	*	o	*	7	66	52				
	Lyons ...	1021.2	67	S	1	c	1020.3	*	55	−2	S	1	*	o	*	4	74	55				
	Nice ...	1024.4	55	–	0	c	1021.0	−1	54	−5	–	0	*	o	1	–	68	52				
	Perpignan ...	1022.6	63	–	0	o	1021.3	+5	61	+2	S	1	N	o	*	–	72	34				
	Sanguinaire ...	*	62	N	3	f	*	*	60	0	SW	2	*	f	2	–	70	57				
SOUTHERN EUROPE.	Corunna (7 a.m.)	1023.9	68	S	2	c	1025.0	0	57	−4	–	0	–	o	3	?	70	55				
	Madrid (8 a.m.) ...	1021.6	75	W	1	bc	1022.6	+1	64	+5	WNW	1	W	c	*	–	77	52				
	Lisbon (9 a.m.)	1027.7	66	WNW	4	c	1025.9	0	59	−2	WNW	3	–	o	5	–	72	59				
	Gibraltar ...																					
	Rome ...	1023.4	63	SW	1	b	1022.7	0	57	+2	NW	1	–	bc	*	–	75	54				
	Azores (Horta, 8 a.m.)	1019.4	*	S	6	f	1021.3	0	63	+2	SSW	4	SW	f	4	4	64	61				
	Madeira (Funchal)	1027.0	66	NE	4	bc	1026.4	+2	64	0	NE	4	NW	o	4	–	72	61				

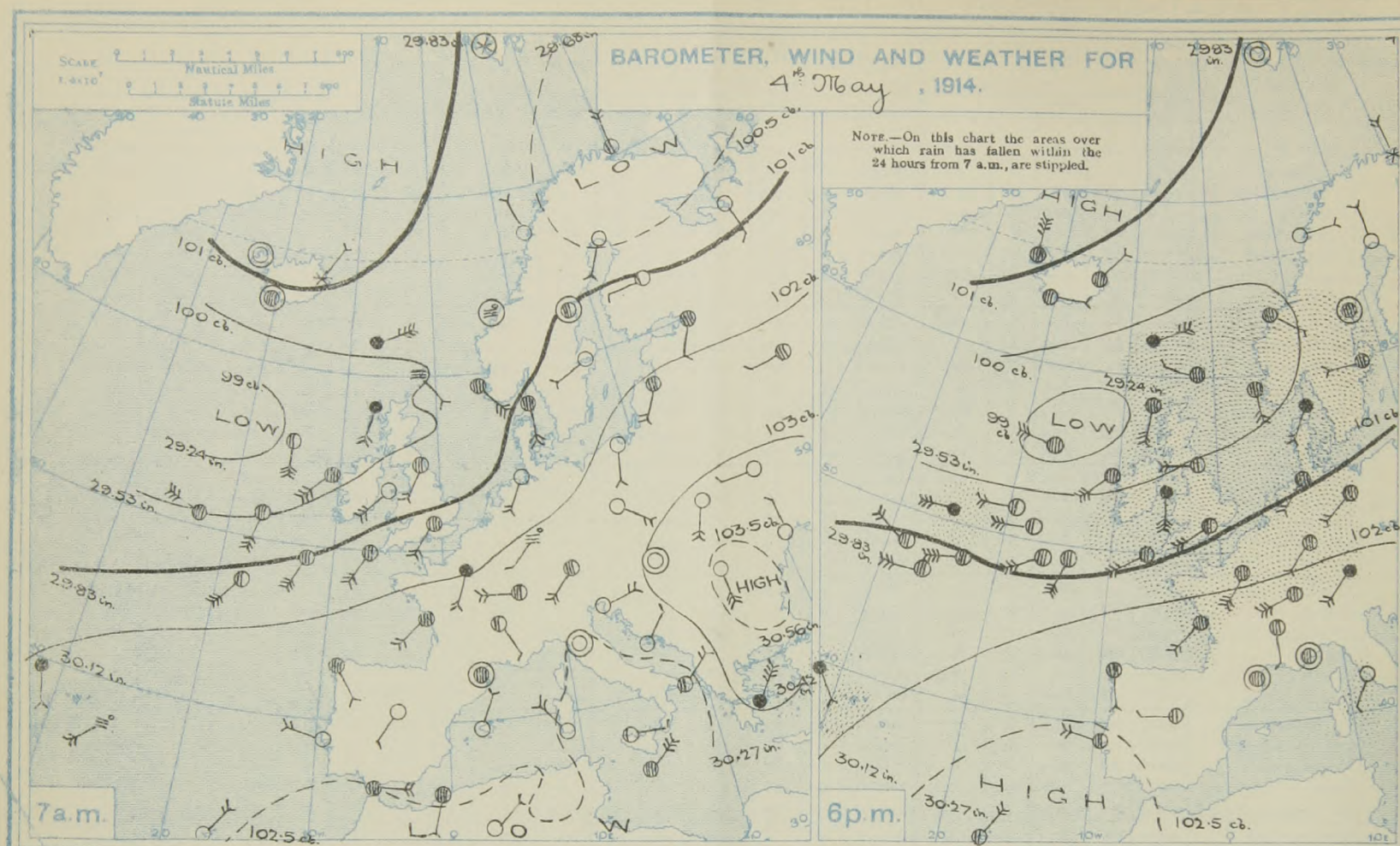
* Information for these columns not usually received. † Received too late for insertion in Charts. ‡ The barometric change is expressed in half-millibars.

Equivalents of Millibars in Inches.

Millibars.	Inches of Mercury at 32° F. in Lat. 45.
940	27·76
950	28·05
960	28·35
970	28·65
980	28·94
990	29·24
1000	29·53
1010	29·83
1020	30·12
1030	30·42
1040	30·71
1050	31·01

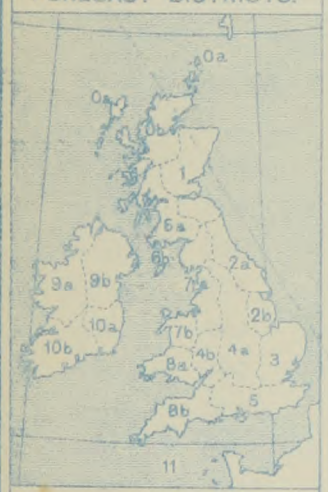
1,000 millibars are equivalent to 14½ lbs. per square inch (in Lat. 45).

100 millibars to one pound and a half per square inch.



FORECASTS FOR THE 24 HOURS NOON TUESDAY TO NOON WEDNESDAY.

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.

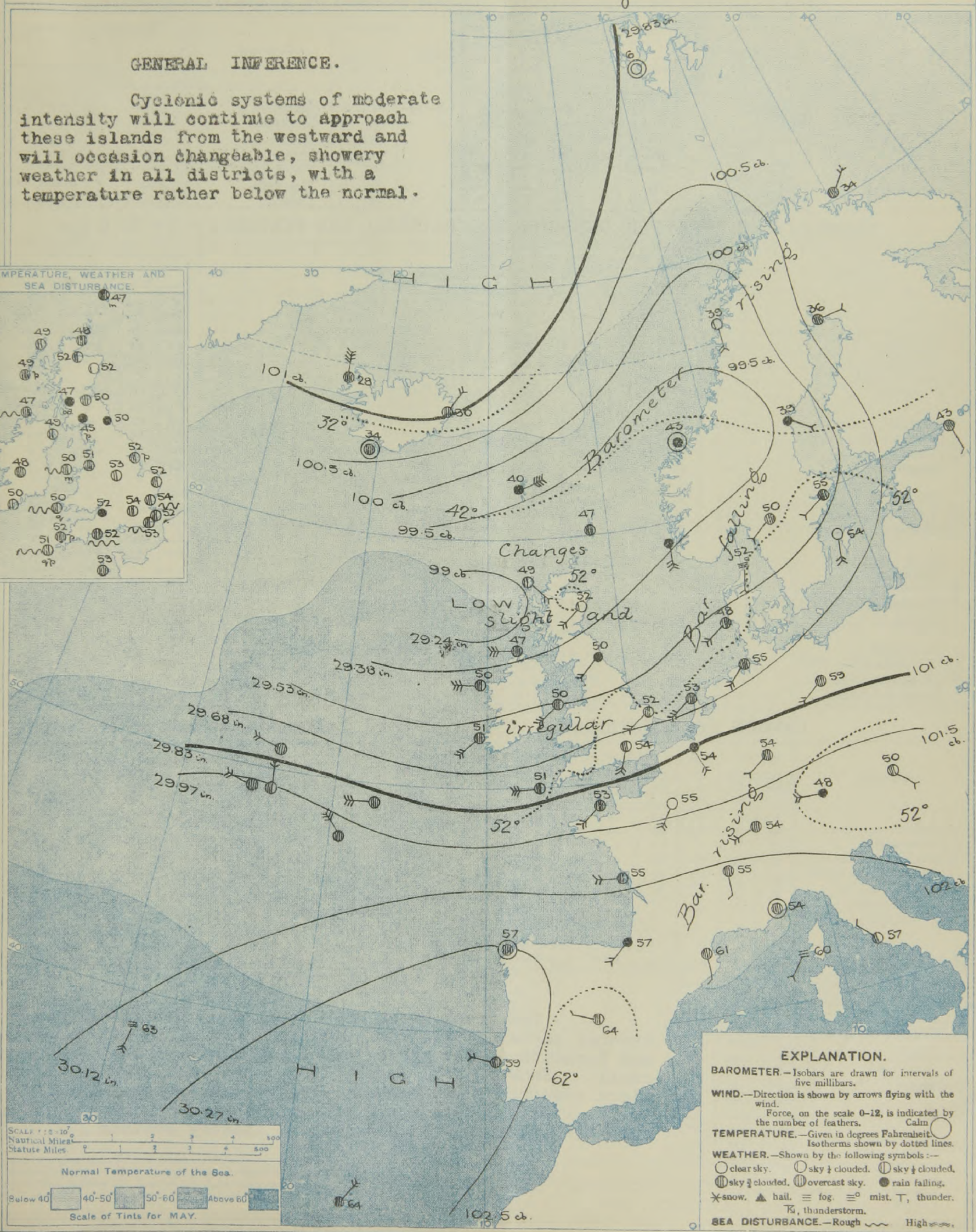
No Warnings Issued.

0 a, b	Southerly and South-Easterly winds, light; cool, cloudy, occasional rain.
1, 2 a, b, 3, 4 a, b	South-Westerly winds, light or moderate; cool, changeable, some showers, fine intervals.
5	South-Westerly and Westerly winds, strong on coast; cool, changeable, some showers, fine intervals.
6 a, b, 7 a, b, 8 a, b, 9 a, b, 10 a, b	Westerly to South-Westerly winds, strong in places; cool, cloudy, occasional rain, misty on coast.
Western Channel and Bay. 11	Fresh to strong Westerly and South-Westerly winds and a rough sea; cool, changeable, some showers.

Millibars: 1050, 1040, 1030, 1020, 1010, 1000, 990, 980, 970

FURTHER OUTLOOK.

SYNOPTIC CHART FOR 7 a.m., Tuesday, 5th MAY, 1914.



DAILY WEATHER REPORT. Tuesday, 5th May, 1914.

OBSERVATIONS from the ATLANTIC OCEAN received by RADIOTELEGRAPHY.

Date and Hour.	Position. Lat. N.	Position. Long. W.	Name of Ship.	O = Outward. H = Homeward.	Barometer. Reading.	Barometer. Change in 3 hours.	Wind. Direc.	Wind. Force.	Weather.
	°	°			mb.	‡		(0-12).	
4th 6pm	48	28	Virginian	H	1017.3	-1	WNW	4-5	c
" "	47	26	Marquette	O	1015.2	+4	W	6-7	bc
" "	50	24	Mount Royal	O	1007.8	+8	W	6-7	r
" "	48	22	St. Paul	O	1010.5	+2	WSW	8-9	c
" "	50	20	Caronia	O	1007.4	-5	WSW	6-7	bc
" "	51	19	Canada	O	1002.0	-1	W	4-5	bc
" "	50	17	Scotian	O	1002.7	0	W	6-7	bc
4th 6pm	55	16	Mongolian		988.8	+12	WNW	6-7	c
" "	49	15	Minnehaha	O	1008.1	+1	WSW	6-7	c
" "	49	13	Mesaba	H	1011.8	0	WSW	6-7	bc
" "	49	13	Finland	O	1009.4	0	SW	6-7	c
" "	49	10	Menominee	H	1010.1	+1	WSW	6-7	b
" "	51	9	Mauretania	H	1003.7	+2	WSW	4-5	o
5th 7am	49	17	Finland	O	1014.5	+5	W	6-7	o

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

	Stations.	Rainfall.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 6 p.m.
		mm.§	°F.	°F.			Hr.
Scotland	Oban	5.3	53	43	p.er.p	c	0.4
	St. Andrews	4.8	61	47	*	*	5.8
	Stonehaven	2.8	63	45	bc	bcy	6.6
	Carnoustie	4.1	62	47	*	*	8.1
Eng. N.E.	Harrogate	5.6	59	51	o.c.bcp	bc.c.bc	4.0
	Scarborough	*	61	41	c.b	o.c	3.0
	Skegness	2.8	63	52	bc.c	c.bc	5.8
Eng. N.W.	Douglas (I. of M.)	15.2	53	48	cpq	cpq	2.5
	Morecambe	13.0	54	50	d.bc	bc.o	0.3
	Blackpool	8.6	56	51	or.c	o.c	1.8
	Southport	9.7	60	51	b.bc	bc.ope	4.5
Midlands	Buxton	9.1	56	50	ber	r	3.8
	Leamington Spa	3.6	60	51	o	o.cd.o	2.1
	Malvern	6.1	58	52	c	c	2.0
Wales	Rhyl	2.6	59	44	o.bc	bc.o	4.0
	Colwyn Bay	2.3	61	53	bc	bc.o	4.7
	Llandudno		59	51	c	cb	6.0
	Aberystwyth	14.2	55	52	r.o.c	c.o.c	1.0
	Tenby	17.0	55	51	or	o	0.4
England, E.	Lowestoft	2.3	64	50	c.o.c	c.o	3.3
	Felixstowe	1.5	64	49	bc	o	4.2
	Walton-on-Naze	3.3	63	50	c.bc	bc.c.o	4.3
	Southend-on-Sea	0.8	63	52	r.o.bc.ab	b.bc	4.3
England, S.E.	Margate	1.5	65	51	bc.c	bc	3.4
	Ramsgate	3.1	63	50	o.bc	o	3.8
	Folkestone	3.8	62	50	o.c.b	bc	3.9
	Hythe	4.6	61	49	bc.c	bc	3.6
	Littlestone	*	*	*	*	*	4.2
	Hastings	5.1	58	52	or.bc	bc.o.b	3.0
	Bexhill-on-Sea	4.6	57	52	b	ont	3.4
	Eastbourne	6.1	58	52	bc.o	og	3.6
	Seaford	5.6	56	52	o	bc.c	1.5
	Brighton	5.8	56	52	o.c.o	o	1.5
	Worthing	5.8	58	52	c	bc.c.o	1.2
	Littlehampton	5.3	*	*	*	*	1.8
	Bognor	1.3	57	54	o	o	3.2
	Southsea	6.1	59	53	bc	o	0.8
	Ryde	7.1	60	53	bc	c	1.8
	Ventnor	8.1	56	50	*	*	1.0
	Bournemouth	7.6	58	52	r.o	o.c	2.0
England, S.W.	Weymouth	11.9	56	52	bc.c	o	1.8
	Exmouth	13.2	59	50	bc.b	b.bc	1.6
	Teignmouth	17.3	59	54	c	c.bc	1.5
	Torquay	14.5	57	53	c	b.bc	3.7
	Paignton	15.5	58	53	or.c.bc	bc	2.9
	Falmouth	11.2	57	52	c	c.bc	2.3
	Bude	10.2	61	51	c	c	1.4
	Ilfracombe	16.3	58	52	c	c	1.5
	Weston-super-Mare	5.1	58	51	c.bcp	c.bc.c	0.3

LONDON OBSERVATIONS.

Stations.	Humidity. 3 p.m. Yesterday.	Humidity. 9 a.m. To-day.	Sunshine for Yesterday.	Temperature. In Screen. Max.	Temperature. In Screen. Min.	Temperature. Min. on Grass.	Rainfall.	Weather. Forenoon.	Weather. Afternoon.	Weather. Night.
				24 Hours ended 9 a.m. To-Day.						
	%	%	Hr.	°F.	°F.	°F.	mm.§			
Greenwich (Royal Obsy.)	59	72	5.3	66	49	41	–	bc	c.o	o
City (Bunhill Row)	*	*		*	*	*	*	*	*	*
Westminster (St. James's Pk.)	60	72	4.5	63	51	47	–	bc.c	ce	cu
Camden Sq. (Brit. Rainfall)	62	70	3.7	65	49	44	–	c.bc	bc	*
Hampstead (Reservoir)	*	74	2.8	61	48	44	–	bc	c	o
Richmond Park	*	*	4.3							
Kew. (See front page.)										
S. Kensington (Roof of M.O.)	59	72	4.3							

Vertical Component of Solar Radiation per square Centimetre during Yesterday.

Total.	Average Rate.	Max. Rate.
1223 Joules	22.8 Milliwatts.	77.5 Milliwatts.

Additional Observations for Yesterday.

Stations.	Rainfall.	Temperature. In Screen. Max.	Temperature. In Screen. Min.	Temperature. Night Min. on Grass.	Weather. Night	Weather. Forenoon.	Weather. Afternoon.	Sunshine for Yesterday.
	mm.§	°F.	°F.	°F.				Hr.
Dublin to 4 p.m.	3.6	62	52	50	cp	cq	pq.c	*
Plymouth to 9 p.m.	4.6	56	52	50	c.bq	oq	oq	1.3
Darwen "	15.5	57	49	49	or.c	c.o.b	bc.or	3.2
Manchester "	9.7	61	51	*	or.c.bc	bc.o	or.ber	3.8
Birmingham "	3.0	59	52	50	o.r.oc	c	c	4.6
Oxford to 8 p.m.	*	61	53	49	o.or.oc	cp.co	cp.c	*
S. Kensington (Museum Grounds to 6 p.m.)	3.6	64	54	?	o.c	c.o	o	*

Table showing the Greenwich Times of Sunrise, Noon and Sunset for Stations in the United Kingdom To-day and To-morrow.

5th & 6th May 1914.	Sunrise. G.M.T.	Noon. G.M.T.	Sunset. G.M.T.
Yarmouth	4.18 / 4.16	11.50 / 11.50	7.22 / 7.24
Greenwich	4.28 / 4.26	11.57 / 11.57	7.26 / 7.28
Wick	4.12 / 4.10	12.9 / 12.9	8.6 / 8.8
Valencia	5.6 / 5.5	12.38 / 12.38	8.9 / 8.10

NOTES ON YESTERDAY'S WEATHER.

The thermometer rose to between 60° and 65° in several parts of Great Britain, and reached 66° at Greenwich and Yarmouth. The amount of bright sunshine was as a rule small. Showers fell in nearly all districts, and a thunderstorm occurred at Donaghadee. Wireless reports show that as far west as the 28th meridian ships experienced strong winds from the Westward, 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. Single copies 1d. at M.O. and at the bookstalls at certain Railway Termini in London.

Printed at the Meteorological Office, South Kensington, London, S.W. By Wyman & Sons Ltd., Fetter Lane, London, E.C., and Reading.

§ 1 m.m. is approximately 4 hundredths of an inch. ‡ The barometric change is expressed in half-millibars.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

Wednesday, 6th May, 1914.

	STATIONS.	YESTERDAY EVENING. Barom. Millibars at M.S.L.	Temp.	Wind Direc.	Wind Force 0-12	Weather.	THIS MORNING 7 A.M., G.M.T. Barometer. Millibars at M.S.L.	Change in 3 hours.	Temp. Dry Bulb.	Change in 24 hours	Wind Direc.	Wind Force 0-12	Direc. of Upper Cloud	Weather.	Sea 0-9.	PAST 24 HOURS. Rainfall. Millimetres.	Temp. Max.	Temp. Min.	Weather. Morning.	Afternoon.	Night.	Sunshine for Yesterday.
			°F.					‡	°F.	°F.							°F.	°F.				Hours.
BRITISH ISLANDS.	Lerwick ..	995.9	46	NNE	4	0	999.7	+1	44	-3	NNE	4	NE	0	3	0.5	50	40	om	f.md.o.c	c.oq.o.c	*
	Stornoway ...	995.2	53	ENE	3	0	998.5	0	48	-1	SW	2	SW	cp	2	1	57	47	bc	bc.o	cp	4.0
	Castlebay (Barra f.sd.)	996.2	51	NW	4	c	1000.0	+1	48	-1	WSW	4	-	o	4	0.5	53	47	op.o	o.bc.o.c	c.op	4.4
	Glasgow ...	994.0	50	WSW	5	o	1001.8	+2	46	-1	SW	5	NW	od	*	2	51	45	op	op.o	pc.bc.o	0.3
	Eskdalemuir ..	994.9	47	WSW	3	o	1002.1	+3	47	+2	W	3	NW	c	*	8	51	43	pu	pu	c	1.4
	Malin Head ..	990.2	50	NW	5	c	1002.5	+1	47	0	WNW	2	NW	o	3	3	51	46	cmqp	cmqp	cp	*
	Blacksod Point	1003.1	50	WNW	4	omd	1005.0	-1	49	-1	WNW	3	W	opm	2	0.5	55	47	cm.cy	cy.om	cmp	*
	Valencia ...	1009.8	52	W	5	omg	1006.8	-4	48	-3	SW	1	SW	om	4	1	52	47	cmp	omp	om	0.3
	Roche's Point	1005.7	53	NW	7	c	1008.1	*	48	-2	W	2	-	o	3	1	56	46	bc.cq	cqp	bc.b.o	*
	Birr Castle ...	1003.0	51	W	2	o	1005.1	*	47	-1	SSW	1	SW	c	*	3	56	45	cpq	cpq.op	cp	5.1
	Donaghadee ...	997.6	52	W	4	c	1004.1	+1	48	-1	NW	3	NW	c	3	5	56	47	cp	cp	omr.cp	*
	Liverpool (Bidston)	998.3	51	WSW	5	r	1004.2	—	49	-2	WSW	5	W	p	4	2	57	47	bc	cpq	bcq	2.8
	Holyhead ..	1000.8	52	W	5	cpg	1005.8	0	51	+1	W	4	NW	cq	4	4	55	48	c.bc.o.c	c.or.bc	p.o.cq	4.2
	Pembroke (St. Ann's)	1004.0	51	W	6	c	1007.9	0	49	-1	W	5	W	cq	4	0.5	53	49	cq	cpq	cq	5.4
	Newquay ...	1008.8	52	W	6	c	1009.7	-1	51	-1	SW	2	SW	o	4	-	55	49	bc.b	bc	c.o	3.1
	Scilly (St. Mary's)	1010.4	52	WNW	7	cq	1010.1	-3	50	-1	W	2	NW	om	5	1	56	49	cq	cqp	cpq.c	5.1
	Jersey (St. Aubin)	1011.2	54	WSW	5	c	1012.8	*	52	-1	WSW	4	W	o	3	0.5	57	50	cq.bc	bc	c.o	5.3
	Portland Bill ...	1006.1	53	WSW	5	o	1009.2	+1	51	-1	W	5	W	c	4	1	53	50	cqp	c.o	op.c	*
	Dungeness ...	1004.0	54	WSW	7	cq	1007.1	+4	54	+1	WSW	5	W	bc	5	0.5	57	50	bcq	bcq	c.bc	*
	Dover	1003.7	53	SW	4	bc	1006.8	*	54	+2	WNW	3	S	bc	5	0.5	57	48	op.c.bc	cp.bcp	bc	6.4
	Wick	994.3	48	NE	3	o	998.3	+2	46	-2	-	0	-	o	2	1	52	44	ogm.bc	bc.odm	odm	*
	Nairn	993.7	51	E	1	cgm	999.3	*	49	-3	-	0	-	od	1	3	56	44	r c	p.bc	d.c	4.4
	Aberdeen ...	992.2	53	WNW	2	c	999.4	+3	50	-2	WNW	3	NW	c	2	0.5	59	47	bc	bc.ctl	c	7.5
	Leith	992.8	51	W	3	c	1000.6	+3	49	-1	WSW	2	SW	c	*	1	56	46	cp	cp	c.cp	*
	North Shields ...	996.1	53	W	5	bcp	1002.3	+5	50	0	WNW	3	NW	bc	3	15	59	46	bcp	bcp	bcp	5.2
	Spurn Head ...	997.9	50	W	5	r	1001.7	+4	51	-1	WNW	5	W	cq	4	12	62	47	cq+lr	cq+lr	c	2.3
	Yarmouth ...	1001.0	52	W	4	cp	1002.4	0	50	-2	W	3	W	c	1	3	6[illegible]	48	c	cp	c	3.5
	Clacton-on-Sea	1001.0	56	SW	5	bc	1005.1	+4	53	-1	W	4	W	c	3	4	59	49	cp.bc	cp.bc	bc.c	6.5
	Nottingham ...	998.9	55	W	6	c	1004.4	*	50	-3	W	4	W	cpm	*	3	60	47	bc.cp	op.c	c	4.6
	Bath	1004.4	54	W	6	o	1008.1	*	52	-0	W	3	W	o	*	2	59	49	p.o.cq	c.oq	pq.o	7.2
	London (Kew Obsy.)	1002.8	57	W	4	bcq	1007.4	+3	51	-3	W	3	SW	bc	*	2	60	50	c	op.cp.bcq	orq.bc	5.9
ICELAND, FAERÖE, &c.	Spitzbergen ...	1009.0	4	-	0	b	1006.9	0	1	-5	SE	1	-	b	*	*	6	-8				
	Isafjord... ...	1012.3	29	NE	7	o	1012.8	0	24	-4	NE	7	*	o	*	*	*	*				
	Reykjavik ...	1009.0	38	-	0	o	1005.7	-2	35	+4	N	4	*	bc	*	*	*	*				
	Vestmanna ...	1008.6	37	E	1	c	1003.8	-3	35	+1	E	4	*	b	1	*	*	*				
	Seydisfjord ...	1011.3	37	NE	3	s	1009.2	-1	30	0	NE	1	*	o	*	*	*	*				
	Thorshavn ...	1000.6	41	NE	6	o	1000.0	-2	41	+1	E	6	*	r	*	*	*	*				
NORTHERN EUROPE.	Vardö	1006.4	30	SE	3	o	996.4	-3	30	-4	SE	4	-	s	3	*	32	27				
	Bodö	995.8	39	E	2	b	998.3	+2	37	-2	W	2	-	c	1	-	41	36				
	Christiansund	997.3	43	ENE	1	o	1000.3	+2	41	-2	ESE	3	-	b	4	4	43	37				
	Skudesnaes ..	994.3	45	S	4	o	997.2	+1	45	0	S	3	-	f	3	4	46	43				
	Færder (X'tania Fjord)	994.0	46	SW	4	f	?	+4	43	-2	SW	2	-	f	2	-	46	43				
	The Scaw (Skagen)	996.7	50	WSW	3	m	998.1	+1	48	-2	SSE	1	-	o	*	2	54	45				
	Blaavands Huk	1000.0	50	SW	2	m	998.3	0	48	0	SW	2	-	o	1	-	50	46				
	Haparanda ...	996.0	34	E	4	r	990.1	+1	36	0	NW	4	N	bc	*	-	41	34				
	Hernösand ...	991.3	43	-	0	c	997.7	+5	48	+4	NW	6	-	b	*	0.5	46	37				
	Stockholm ...	994.6	51	W	2	r	997.9	+3	48	-7	WSW	2	-	r	*	4	63	46				
	Wisby	996.8	50	SSW	4	bc	1001.9	+3	52	-2	SW	2	-	c	*	-	59	46				
	Karlstad	994.1	50	SW	2	bc	998.6	+4	48	-2	SW	2	-	o	*	0.5	54	45				
	St. Petersburg	1002.3	55	SSE	1	o	996.6	+2	52	+9	WSW	2	-	o	*	1	64	43				
CENTRAL EUROPE.	Berlin	1005.7	59	S	1	b	1004.4	0	52	-7	SW	3	SW	c	*	3	64	46				
	Frankfurt... ...	1007.8	59	SW	3	c	1008.4	+2	50	-4	SW	2	SW	o	*	0.5	63	48				
	Munich	1010.3	57	W	5	c	1012.2	0	50	+2	SW	5	-	c	*	4	61	46				
	Vienna	1010.6	54	W	1	r	1009.1	0	54	+4	WNW	3	W	o	*	10	66	48				
	Cuxhaven ...	1002.4	52	S	1	o	1000.2	+1	48	-7	SW	3	-	r	o	5	59	48				
	The Helder ...	1000.8	52	SW	5	c	1001.3	+1	52	-1	SW	5	W	c	4	1	55	50				
	Brussels	-	-	-	-	-	1006.3	+2	48	-6	SW	2	-	r	*	6	61	48				
FRANCE.	C. Gris Nez ...	1004.2	52	WSW	7	o	1007.0	+3	51	-1	W	6	*	c	6	0.5	55	50				
	La Hève	1009.2	52	SW	6	o	1011.3	*	50	-1	W	6	*	o	6	-	57	48				
	Ushant	1015.3	54	NW	6	o	1014.0	*	53	-1	SW	2	*	o	5	1	55	48				
	Brest (St. Mathieu)	1014.0	54	W	5	o	1014.3	0	52	-2	WSW	3	*	o	3	-	57	50				
	Rochefort (Ile d'Aix)	1018.3	57	W	6	r	1017.9	0	55	0	WNW	4	*	o	*	-	61	54				
	Biarritz	1022.6	61	WNW	3	o	1020.7	-1	57	0	S	3	*	c	3	1	63	54				
	Paris	1010.1	54	WSW	3	c	1012.3	+1	52	-3	SW	3	—	o	*	2	63	52				
	Belfort	1011.7	58	WSW	7	c	1015.3	*	46	-8	WSW	5	*	o	*	4	64	42				
	Lyons	1014.7	66	W	4	bc	1018.4	*	51	-4	SSE	1	*	o	*	1	72	48				
	Nice	1014.1	56	-	0	c	1008.7	0	63	+9	-	0	*	b	0	-	61	54				
	Perpignan ..	1019.4	64	NW	3	o	1019.1	-1	57	-4	NW	4	NW	bc	*	-	72	34				
	Sanguinaire ...	*	58	SW	1	o	*	*	59	-1	W	5	*	m	4	6	59	52				
SOUTHERN EUROPE.	Corunna (7 a.m.)	1026.1	59	WNW	3	b	1019.9	-4	63	+6	SSW	7	-	o	4	0.5	64	55				
	Madrid (8 a.m.) ...	1019.1	73	WSW	2	b	1021.5	+2	61	-3	W	2	-	bc	0	-	75	54				
	Lisbon (9 a.m.)	1024.4	66	WNW	4	b	1024.8	+1	61	+2	NNW	3	NW	c	5	-	63	59				
	Gibraltar	1021.7	69	NW	5	bc	1020.3	*	64	—	NW	4	-	bc	1	-	76	61				
	Rome	1017.6	63	S	1	o	1011.0	+4	59	+2	SW	1	-	o	*	11	73	59				
	Azores (Horta, 8 a.m.)	1022.4	*	SSW	5	f	1022.9	+2	61	-2	SSW	3	N	r	2	5	63	61				
	Madeira (Funchal)	1026.7	64	NE	3	o	1025.2	0	63	-1	NE	3	-	b	3	-	70	61				

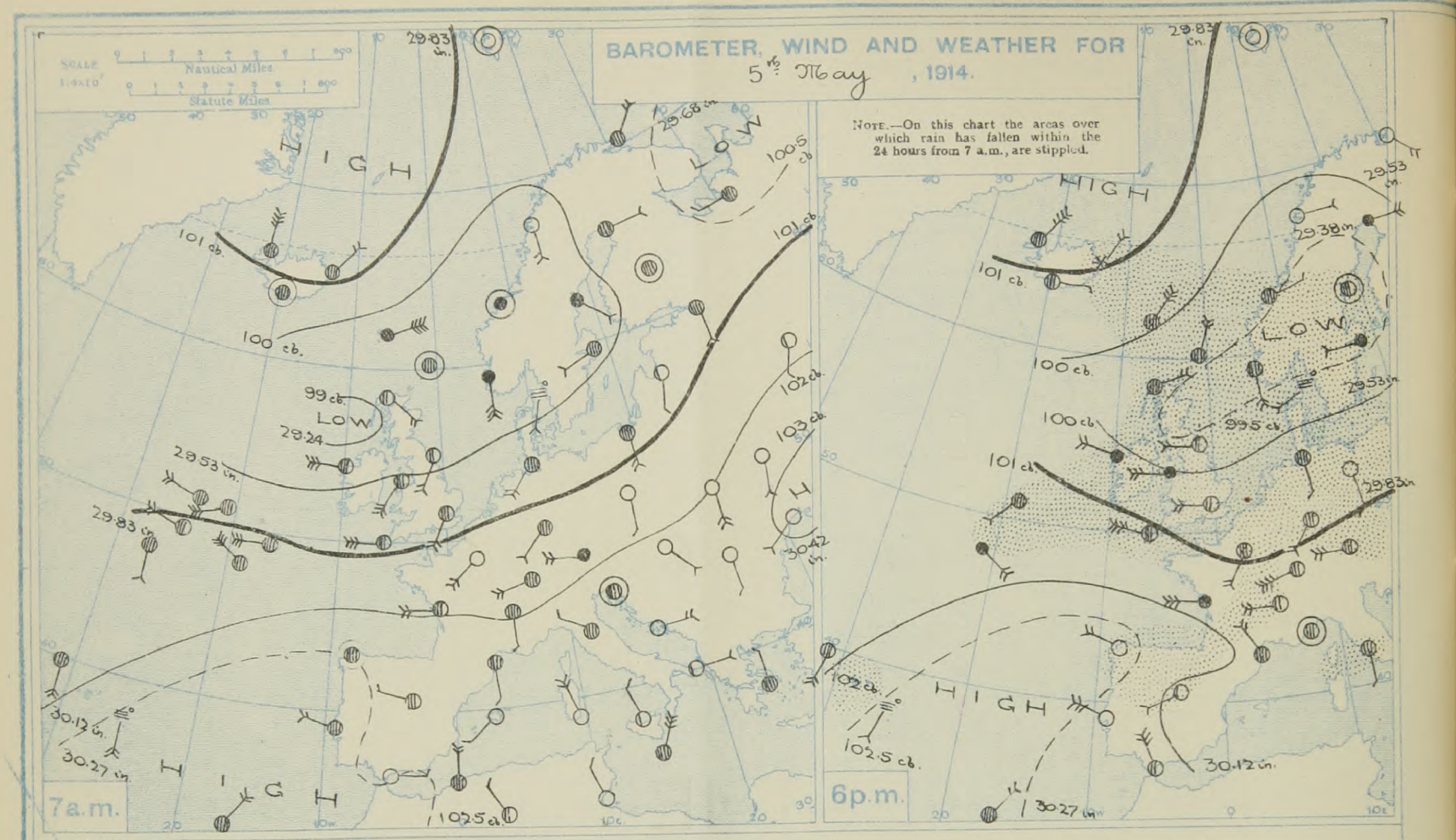
GALES.

Duration and Extreme Force in British Islands.

Eskdalemuir 5th. Noon.
gust. WSW 19 metres per second.

Bdth. 5th 3pm
gust. W. 22.4 metres per second.

* Information for these columns not usually received. † Received too late for insertion in Charts. ‡ The barometric change is expressed in half-millibars.



FORECASTS FOR THE 24 HOURS NOON WEDNESDAY TO NOON THURSDAY.

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.

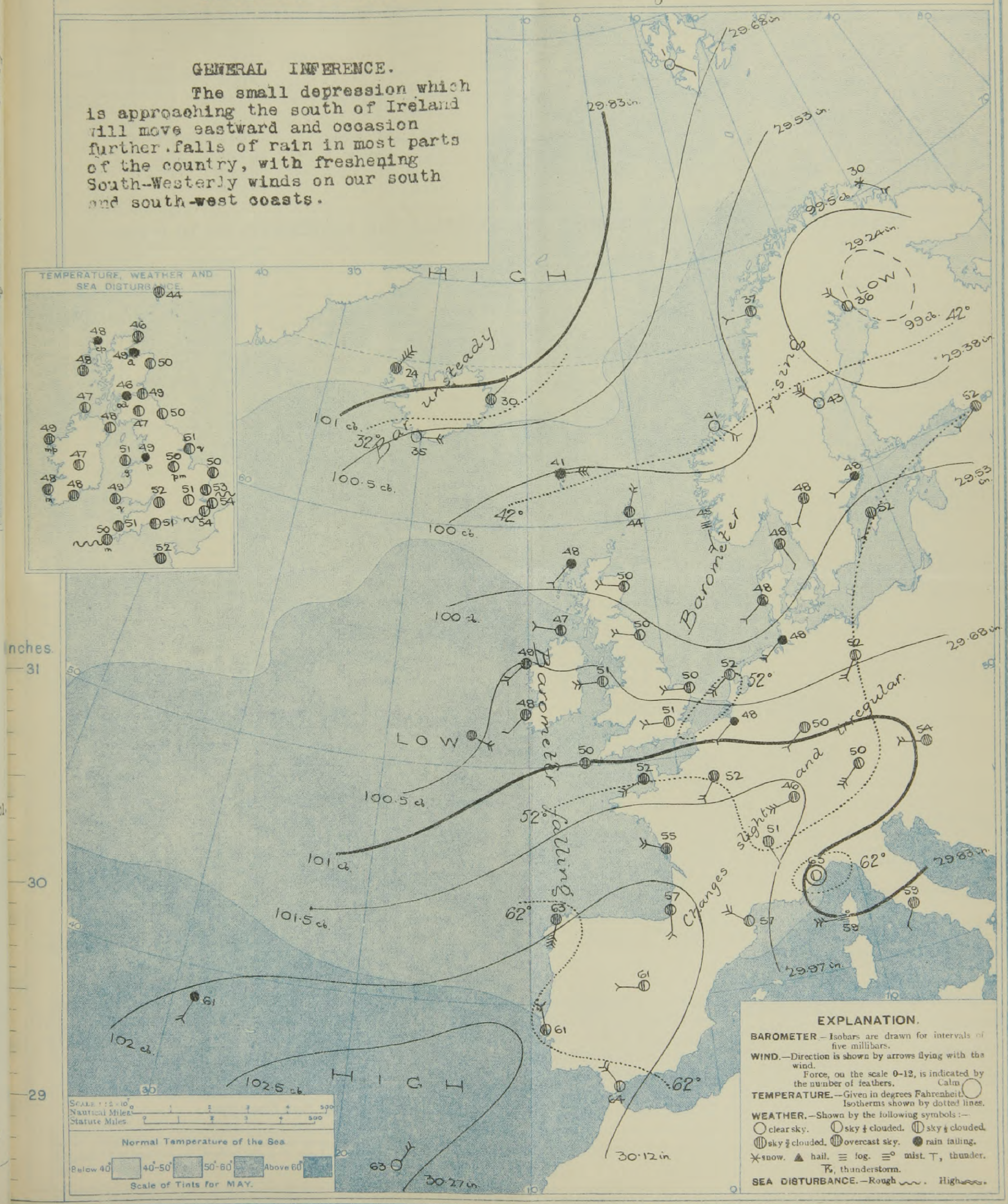
No Warnings Issued.

0 a, b; 1; 2 a, b	Light North-Westerly to South-Westerly winds; changeable, some showers, thunder locally; rather cool.
3; 4 a, b; 5	Freshening Westerly to South-Westerly winds; cloudy generally, some rain to-night or to-morrow; rather cool.
6 a, b; 7 a, b	Freshening South-Westerly to Southerly winds; fair at first. some rain later; rather cool.
8 a, b	Freshening Southerly winds; dull, unsettled, some rain; rather cool.
9 a, b	Same as Nos. 6 and 7.
10 a, b	Same as No. 8.
Western Channel and Bay. 11	Freshening South-Westerly winds and a rather rough sea; dull, misty. some rain; rather cool.

Millibars 1050 1040 1030 1020 1010 1000 990 980 970

FURTHER OUTLOOK. Cool, changeable weather is likely to continue.

SYNOPTIC CHART FOR 7 a.m., Wednesday, 6th MAY, 1914.



DAILY WEATHER REPORT. Wednesday, 6th May, 1914.

OBSERVATIONS from the ATLANTIC OCEAN received by RADIOTELEGRAPHY.

Date and Hour.	Position. Lat. N.	Position. Long. W.	Name of Ship.	O = Outward. H = Homeward.	Barometer. Reading.	Barometer. Change in 3 hours.	Wind. Direc.	Wind. Force.	Weather.
	°	°			mb.	‡		(0-12).	
6th 7am	51	13	Virginian	H	1002.4	−2	ESE	4-5	o.
5th 6pm	48	20	Finland	O	1016.2	−6	SE	4-5	r
" "	50	19	Virginian	H	1014.5	−1	SW	1-3	o
" 7am	48	27	Marquette	H	1019.9	−1	S	1-3	o

Date and Hour.	Position. Lat. N.	Position. Long. W.	Name of Ship	C = Outward. H = Homeward.	Barometer. Reading.	Barometer. Change in 3 hours.	Wind. Direc.	Wind. Force.	Weather.
	°	°			mb.	‡		(0-12).	
5th 7am	50	20	Scotian	O	1013.2	+5	W	6-7	o

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

	Stations.	Rainfall.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 6 p.m.
		mm. §	°F.	°F.			Hr.
Scotland	Oban	7.9	53	45	p.o.p.	bc	0.4
	St. Andrews	2.5	58	46	*	*	5.8
	Stonehaven	4.1	58	45	cg	hrt	3.0
	Carnoustie	0.3	57	46	*	*	3.2
Eng., N.E.	Harrogate	1.5	57	47	p.e.bc	bc.c	3.9
	Scarborough	*	59	48	bc	o.c	4.5
	Skegness	1.5	59	48	cp.	u.hp.bc	5.3
Eng., N.W.	Douglas (I. of M.)	4.1	54	47	cg	cp	3.0
	Morecambe	2.3	52	50	bcp	bcp	3.3
	Blackpool	2.8	56	50	o.c	c.op	4.0
	Southport	2.5	57	50	c.o.bc	c.op.c	5.8
Midlands.	Buxton	16.0	52	44	r	bc.r	3.6
	Leamington Spa	5.3	57	49	c	c	5.7
	Malvern	4.8	55	49	p.bc	p.bc	4.5
Wales.	Rhyl	3.3	57	51	bc.r	bc.or	3.0
	Colwyn Bay	2.0	56	50	c.bc	bc.o	1.5
	Llandudno	4.6	57	50	c	c	4.6
	Aberystwyth	0.5	53	51	r.o.c	c.o	1.5
	Tenby	1.0	56	50	o.c	bc	4.5
England, E.	Lowestoft	2.5	59	52	bc.c.op	c.o.tlp	4.2
	Felixstowe	3.6	59	49	bc.rtl	bcp	6.6
	Walton-on-Naze	8.4	58	50	og.cr.o	c.bc.cg	5.5
	Southend-on-Sea	2.8	60	49	b.bc	bcr.bc	8.0

	Stations.	Rainfall.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 6 p.m.
		mm. §	°F.	°F.			Hr.
England, S.E.	Margate	2.0	60	48	b.bcp	bcp.	5.6
	Ramsgate	0.5	64	48	o	bc	6.4
	Folkestone	–	56	50	o	o	3.6
	Hythe	–	61	47	b	b	3.2
	Littlestone	*	*	*	*	*	6.6
	Hastings	–	57	50	o.c	bc.c.o	2.9
	Bexhill-on-Sea	–	57	51	bc	b.or	4.6
	Eastbourne	–	56	50	o.bc	bcq	4.3
	Seaford	–	55	50	c.o	bc	7.9
	Brighton	–	56	52	o.c	c	4.8
	Worthing	–	58	52	o.c	c	5.2
	Littlehampton	–	*	*	*	*	5.8
	Bognor	0.5	62	53	o	o	5.6
	Southsea	0.5	57	51	om.bc	bcp.bc	4.5
	Ryde	–	57	52	b	b	6.0
	Ventnor	0.3	56	49	*	*	6.1
	Bournemouth	2.5	58	50	or	c.o	4.1
England, S.W.	Weymouth	1.8	58	51	bcp.c	cp.c	3.4
	Exmouth	4.8	59	50	f.bc	p	2.8
	Teignmouth	5.8	58	51	c.bc	bc.c	4.5
	Torquay	1.8	56	51	o.c	p.c	1.8
	Paignton	3.1	58	51	oh.bc	c	3.6
	Falmouth	2.0	57	51	o.c	o.bc	4.1
	Bude	0.3	57	51	c	o	2.3
	Ilfracombe	2.8	55	51	bc	bc.c.o	4.1
	Weston-super-Mare	3.3	57	49	bc.c.b	b.bc.u	4.5

LONDON OBSERVATIONS.

Stations.	Humidity. 3 p.m. Yesterday.	Humidity. 9 a.m. To-day.	Sunshine for Yesterday.	Temperature. In Screen. Max. (24 hours ended 9 a.m. To-day)	Temperature. In Screen. Min.	Temperature. Min. on Grass.	Rainfall.	Weather. Forenoon.	Weather. Afternoon.	Weather. Night.
	%	%	Hr.	°F.	°F.	°F.	mm. §			
Greenwich (Royal Obsy.)	72	66	5.6	62	49	45	5.1	c	cpth.	bc.o
City (Bunhill Row)	*	*	4.9	*	*	*	*	*	*	*
Westminster (St. James's Pk.)	73	67	5.0	59	50	47	3.6	r.c	bc	crh.ou
Camden Sq. (Brit. Rainfall)	72	65	6.0	61	49	44	2.5	p.cp.	c.bc	*
Hampstead (Reservoir)	*	68	6.1	57	47	44	4.1	bc.	c	c
Richmond Park	*	*	6.0							
Kew. (See front page.)										
S. Kensington (Roof of M.O.)	63	79	5.3							

Vertical Component of Solar Radiation per square centimetre during Yesterday.

Total.	Average Rate.	Max. Rate.
1232 Joules	22.9 Milliwatts.	80.0 Milliwatts.

Additional Observations for Yesterday.

Stations.	Rainfall.	Temperature. In Screen. Max.	Temperature. In Screen. Min.	Temperature. Night Min. on Grass.	Weather. Night.	Weather. Forenoon.	Weather. Afternoon.	Sunshine for Yesterday.
	mm. §	°F.	°F.	°F.				Hr.
Dublin to 4 p.m.	9.1	58	49	46	cp.b	cpq	hpq	*
Plymouth to 9 p.m.	2.3	56	51	49	oq	bcq	oq	2.6
Darwen "	0.5	55	46	44	or.c	c.b	bc.cup	4.5
Manchester "	5.8	56	49	*	or.c	.bcp	c.op	2.7
Birmingham "	1.3	58	47	42	r	cp	cp	5.6
Oxford to 8 p.m.	*	59	49	45	cu.bca	op.c	cp	*
S. Kensington (Museum Grounds to 6 p.m.)	2.8	60	50	42	o	bc.opc	opq.bc	*

Table showing the Greenwich Times of Sunrise, Noon and Sunset for Stations in the United Kingdom To-day and To-morrow.

6th. 7th May 1914.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth	4.16 / 4.14	11.50 / 11.49	7.24 / 7.25
Greenwich	4.26 / 4.24	11.57 / 11.56	7.28 / 7.29
Wick	4.10 / 4.7	12.9 / 12.8	8.8 / 8.10
Valencia	5.5 / 5.3	12.38 / 12.37	8.10 / 8.11

NOTES ON YESTERDAY'S WEATHER.

The thermometer rose to 60° and upwards in several parts of Eastern and Central England, but at many western and northern stations it failed to reach 55°. The amount of bright sunshine was as a rule somewhat small. Showers fell generally, and thunderstorms occurred in various parts of Great Britain. As far west as the 25th meridian ships experienced fresh to strong breezes from West or North-West, with cloudy weather; further to the westward the wind was Southerly.

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. Single copies 1d. at M.O. and at the bookstalls at certain Railway Termini in London.

Printed at the Meteorological Office, South Kensington, London, S.W.
By WYMAN & SONS LTD., Fetter Lane, London, E.C., and Reading.

§ 1 m.m. is approximately 4 hundredths of an inch. ‡ The barometric change is expressed in half-millibars.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

Thursday, 7th May, 1914.

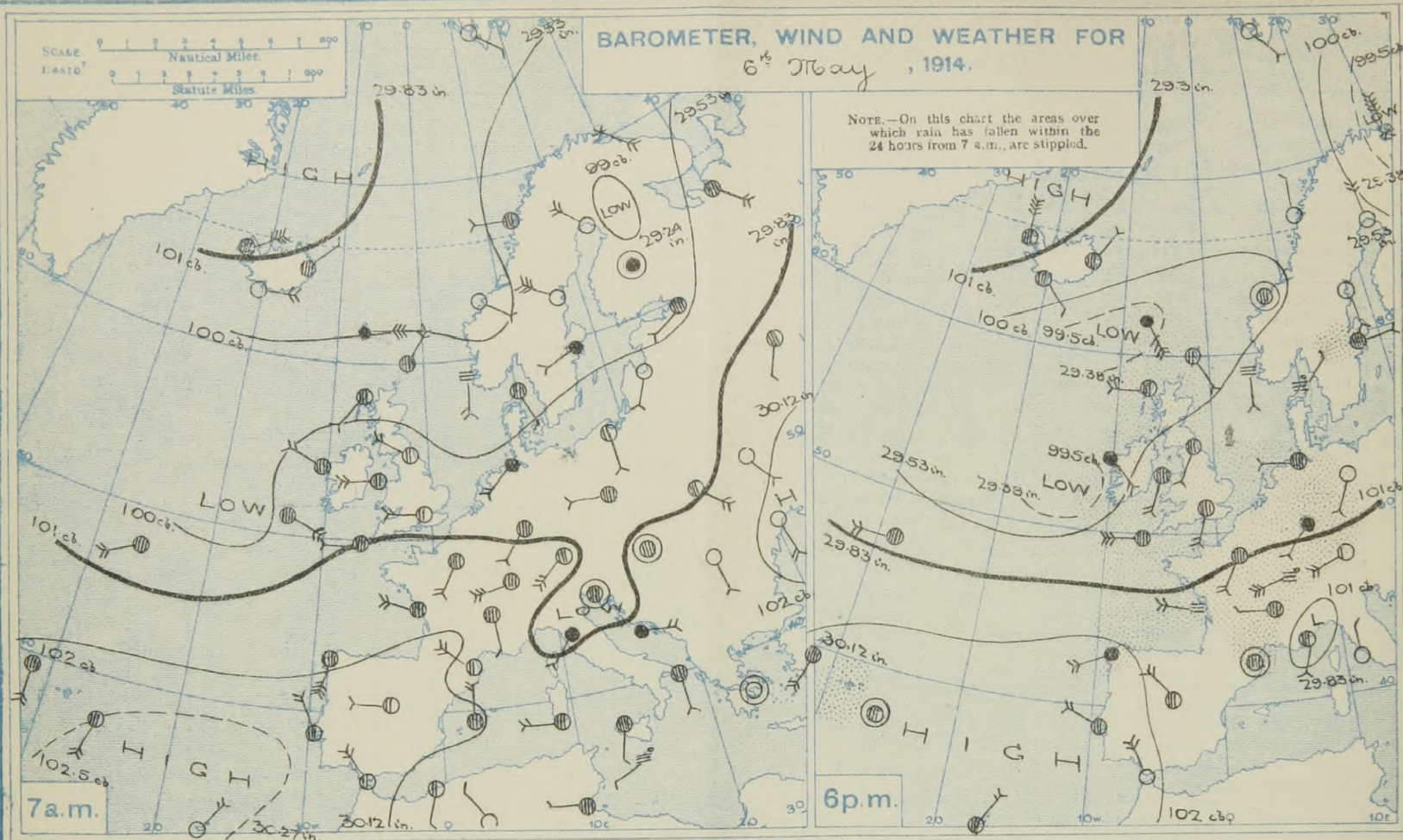
	STATIONS.	Yesterday Evening: Barom Millibars at M.S.L.	Temp.	Wind Direc.	Wind Force 0-12	Weather.	This Morning 7 a.m., G.M.T.: Barometer Millibars at M.S.L.	Barometer Change in 3 hours.	Temp. Dry Bulb.	Temp. Change in 24 hours.	Wind Direc.	Wind Force 0-12.	Direc. of Upper Cloud.	Weather.	Sea 0-9.	Past 24 hours: Rainfall. Millimetres.	Temp. Max.	Temp. Min.	Weather Morning.	Weather Afternoon.	Weather Night.	Sunshine for Yesterday.
			°F.					‡	°F.	°F.							°F.	°F.				Hours.
BRITISH ISLANDS.	Lerwick ...	999.1	46	SSE	2	bc	997.3	0	46	+2	—	0	—	c	0	2	49	42	c bc	bc	cp	*
	Stornoway ...	998.3	50	W	3	c	995.9	−1	45	−3	S	2	S	odp	2	2	54	43	bc	bc c	c.odp	4.4
	Castlebay (Barra Isd.)	998.4	49	WSW	3	c	995.2	−1	45	−3	NNW	3	—	op	3	—	50	44	cp	op.c.o	o.c.op	2.9
	Glasgow ...	999.7	50	SW	3	c	995.7	−2	45	−1	E	*	SE	od	*	1	53	43	op.c	o	c.op.od	0.4
	Eskdalemuir ...	1000.5	47	SW	3	o	999.3	−2	44	−3	NE	3	E	o	*	1	52	40	c.o	op.o	o	1.5
	Malin Head ...	999.5	49	NNW	1	c	995.9	−1	45	−2	NW	1	—	o	2	2	51	44	c	cg	odm	*
	Blacksod Point	997.9	49	SE	3	r	997.2	0	46	−3	WNW	1	NW	opm	2	3	53	44	cv	cv.or	or.cpm	*
	Valencia ...	995.2	52	SW	5	omd	995.9	−3	47	−1	ENE	2	NE	om	4	5	54	49	omp	omp	omr	0.2
	Roche's Point	997.9	53	SW	4	r	997.9	*	49	+1	SSW	3	—	r	4	4	53	45	od	dm	odm	*
	Birr Castle ...	997.9	49	SE	1	o	996.9	*	47	0	W	1	W	c	*	3	52	45	cp	cp.or	om.c	0.0
	Donaghadee ...	1000.6	50	WSW	2	c	999.9	0	46	−2	NE	3	NE	orm	4	2	54	46	cm	cgp	cg.orm	*
	Liverpool (Bidston)	1002.5	50	WSW	2	o	993.1	—	50	+1	SW	2	W	o	2	2	54	46	c.b	og	or	1.1
	Holyhead ...	1003.1	50	SSW	3	oy	994.3	+2	49	−2	W	6	—	me	5	2	54	47	cp.o.oy	oy	odp.c.o	0.7
	Pembroke (St. Ann's)	1001.3	48	S	5	r	999.1	+4	49	0	W	7	W	cq	6	2	54	45	c	cp	odm.cq	0.6
	Newquay ...	1002.5	50	SE	5	bm	1002.3	0	53	+2	SW	5	SW	om	6	3	53	49	op	om	o.op	0.0
	Scilly (St. Mary's)	1003.7	52	W	6	om	1003.0	−1	53	+3	WSW	5	W	cpm	6	1	53	49	cmp	fd.om	cpmq	0.0
	Jersey (St. Aubin)	1007.2	51	SE	3	omd	1007.2	*	54	+2	?SW	5	SW	om	4	4	56	50	o	omr.omd	omd.o	0.0
	Portland Bill ...	1006.9	50	ENE	2	opd	1002.1	+3	52	+1	WSW	6	SW	o	5	1	52	49	c	o cd	or.c	*
	Dungeness ...	1008.1	52	WSW	5	cg	1000.7	0	53	−1	SW	6	SW	o	5	0.5	57	49	bc	c bc	c.op	*
	Dover ...	1005.7	50	SW	4	o	1000.0	*	53	−1	SW	4	SW	o	5	1	57	47	bc c	c o	op.cp.c	3.8
	Wick ...	998.4	48	NW	2	o	?996.5	−2	44	−2	NW	1	—	m	2	1	49	38	omd	omd.op	om	*
	Nairn ...	998.3	54	W	2	c	995.7	*	45	−4	—	0	—	om	0	0.5	58	39	bc.d	ce	cw	2.1
	Aberdeen ...	998.5	50	N	2	o	996.2	0	50	0	NNE	1	—	o	2	3	57	45	bc cp	cp	c.op	4.5
	Leith ...	999.0	54	WSW	3	c	995.6	−2	47	−2	ESE	1	—	o	*	0.5	56	45	c.o	c	c	*
	North Shields ...	1002.2	53	SW	2	c	998.1	−4	48	−2	SE	3	—	op	2	1	58	45	bc	bc	omp	5.7
	Spurn Head ...	1002.7	52	WSW	3	c	995.2	?	49	−2	S	3	—	op	4	1	59	46	b	b	c	3.0
	Yarmouth ...	1003.9	56	W	2	cm	998.2	−6	49	−1	S	3	S	op	2	2	58	47	c	cm	or	1.5
	Clacton-on-Sea	1004.7	54	WSW	2	oy	998.6	−2	53	0	SW	4	SW	og	3	0.5	59	43	c bc c.o	oy	oy.ogp	1.3
	Nottingham ...	1003.0	55	SW	2	o	994.8	*	50	0	SW	3	SW	mp	*	4	57	46	cm.o	op	op	1.0
	Bath ...	1005.1	52	SW	3	o	1000.0	*	52	0	W	6	W	o	*	1	59	48	o c	op	cpdq	2.2
	London (Kew Obsy.)	1005.7	54	SSW	3	o	998.8	−1	53	+2	WSW	4	SW	o	*	0.5	57	48	bc c.o	o	or.o	1.7
ICELAND, FAEROE, &c.	Spitzbergen ...	1005.9	6	SE	1	b	1008.3	+4	−1	−2	—	0	*	b	*	*	10	−13				
	Isafjord ...	1013.2	25	N	8	c	1016.4	+2	20	−4	N	5	*	b	*	*	*	*				
	Reykjavik ...	1005.7	37	NNE	5	b	1011.0	+3	29	−6	NNE	8	*	b	*	*	*	*				
	Vestmanna ...	1003.1	39	SE	1	c	1006.1	0	26	−9	—	0	*	o	1	*	*	*				
	Seydisfjord ...	1007.9	42	NE	2	c	1011.3	+3	23	−7	NE	3	*	o	*	*	*	*				
	Thorshavn ...	994.3	44	SSE	5	r	993.7	0	43	+2	SSW	2	*	c	*	*	*	*				
NORTHERN EUROPE.	Vardö ...	991.0	32	NNE	8	s	1004.2	+8	32	+2	N	8	—	o	5	*	34	28				
	Bodö ...	1004.7	39	N	1	b	1002.9	−3	39	+2	E	6	—	b	2	—	43	32				
	Christiansund	998.6	50	—	0	c	999.0	0	45	+4	—	0	—	f	3	—	50	41				
	Skudesnaes ..	1000.8	45	S	2	f	999.7	0	45	0	S	2	—	o	3	—	50	43				
	Færder (Christiania Fjord)	1000.3	48	N	2	o	1000.7	0	46	+3	N	2	—	o	1	0.5	48	43				
	The Scaw (Skagen)	999.7	54	NE	1	m	1000.7	0	48	0	NNW	1	—	f	*	—	52	45				
	Blaavands Huk	1000.2	50	W	1	o	1002.0	0	48	0	W	1	—	m	1	—	55	46				
	Haparanda ...	1000.2	43	N	4	b	1010.9	+5	36	0	—	0	—	b	*	—	48	28				
	Hernösand ...	1004.0	43	S	2	b	1007.8	+2	41	−2	N	2	—	c	*	—	52	34				
	Stockholm ...	1002.3	46	E	2	o	1003.0	+1	50	+2	SE	2	—	o	*	1	59	41				
	Wisby ...	1002.4	55	SSW	2	bc	1002.9	−1	54	+2	S	2	—	c	*	—	61	46				
	Karlstad ...	1000.3	52	—	0	b	1001.5	?	48	0	E	2	—	o	*	0.5	57	45				
	St. Petersburg	1005.1	48	W	1	c	1009.5	+3	41	−11	—	0	—	f	*	1	*	*				
CENTRAL EUROPE.	Berlin ...	1004.4	50	SW	3	b	1006.4	+1	50	−2	SW	2	SW	c	*	2	63	45				
	Frankfurt ...	1008.7	52	SW	2	r	1008.3	0	48	−2	SW	2	—	r	*	5	57	46				
	Munich ...	1010.9	50	WSW	4	b	1010.3	0	52	+2	SW	5	SW	bc	*	1	57	43				
	Vienna ...	1009.0	54	W	2	r	1009.5	+2	50	−4	W	2	—	bc	*	1	?	50				
	Cuxhaven ...	1002.1	50	W	2	o	1003.4	0	50	+2	SW	2	SW	o	0	8	55	48				
	The Helder ...	1004.3	52	SW	2	b	1001.2	−2	52	0	S	3	SW	b	2	2	54	48				
	Brussels ...	*	*	*	*	*	1002.4	−4	52	+4	SW	4	—	o	*	3	59	46				
FRANCE.	C. Gris Nez ...	1006.7	51	WSW	6	c	1000.8	0	52	+1	WSW	6	*		5	0.5	55	48				
	La Hève ...	1008.2	51	S	4	o	1005.9	*	53	+3	SW	6	*	r	6	1	59	48				
	Ushant ...	1008.7	53	W	5	o	1008.7	*	52	−1	W	6	*	o	7	—	55	48				
	Brest (St. Mathieu)	1008.2	54	NW	5	o	1009.6	0	55	+3	WSW	4	*	m	4	2	57	52				
	Rochefort (Ile d'Aix)	1010.4	56	W	5	f	1014	+2	56	+1	W	4	*	f	*	4	56	54				
	Biarritz ...												*									
	Paris ...	1009.7	55	SW	2	o	1007.9	+1	54	+2	SW	3	—	o	*	1	61	50				
	Belfort ...	1011.5	52	WSW	6	m	1011.5	*	47	+1	WSW	3	*	f	*	2	58	45				
	Lyons ...	1013.6	56	W	1	o	1015.3	*	55	+4	NW	2	*	o	*	2	62	50				
	Nice ...	1006.7	58	SW	2	c	1009.6	+3	58	−5	—	0	*	bc	2	—	70	52				
	Perpignan ..	1014.0	61	—	0	o	1016.2	+2	63	+6	NW	5	NW	c	*	0.5	75	*				
	Sanguinaire ...	*	60	W	4	m	*	*	63	+4	W	4	*	m	5	—	63	55				
SOUTHERN EUROPE.	Corunna (7 a.m.)	1020.7	59	WSW	4	r	1019.3	0	57	−6	WSW	2	—	r	4	1	64	57				
	Madrid (8 a.m.) ...	1017.2	73	NW	3	c	1018.1	0	66	+5	WNW	3	W	b	*	—	75	59				
	Lisbon (9 a.m.)	1023.0	66	WNW	3	c	1019.7	−1	61	0	NNW	2	NE	c	5	—	73	59				
	Gibraltar ...	1020.3	66	NW	4	b	1016.6	*	65	+1	NW	1	*	b	0	—	77	64				
	Rome ...	1008.4	59	N	1	b	1008.7	+1	54	−5	N	1	—	b	*	—	70	52				
	Azores (Horta, 8 a.m.)	1023.5	*	SSW	4	r	1023.0	+1	59	−2	WSW	4	S	bc	2	4	63	59				
	Madeira (Funchal)	1024.2	64	NE	3	c	1021.6	0	64	+1	NE	3	NE	bc	3	—	72	61				

GALES.

Duration and Extreme Force in British Islands.

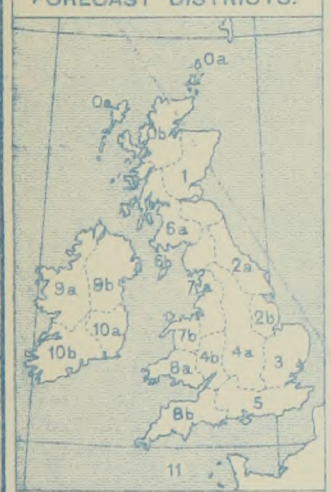
Pembroke 7th. 4am. W. 8.

* Information for these columns not usually received. ✝ Received too late for insertion in Charts. ‡ The barometric change is expressed in half-millibars.



FORECASTS FOR THE 24 HOURS NOON THURSDAY TO NOON FRIDAY.

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.

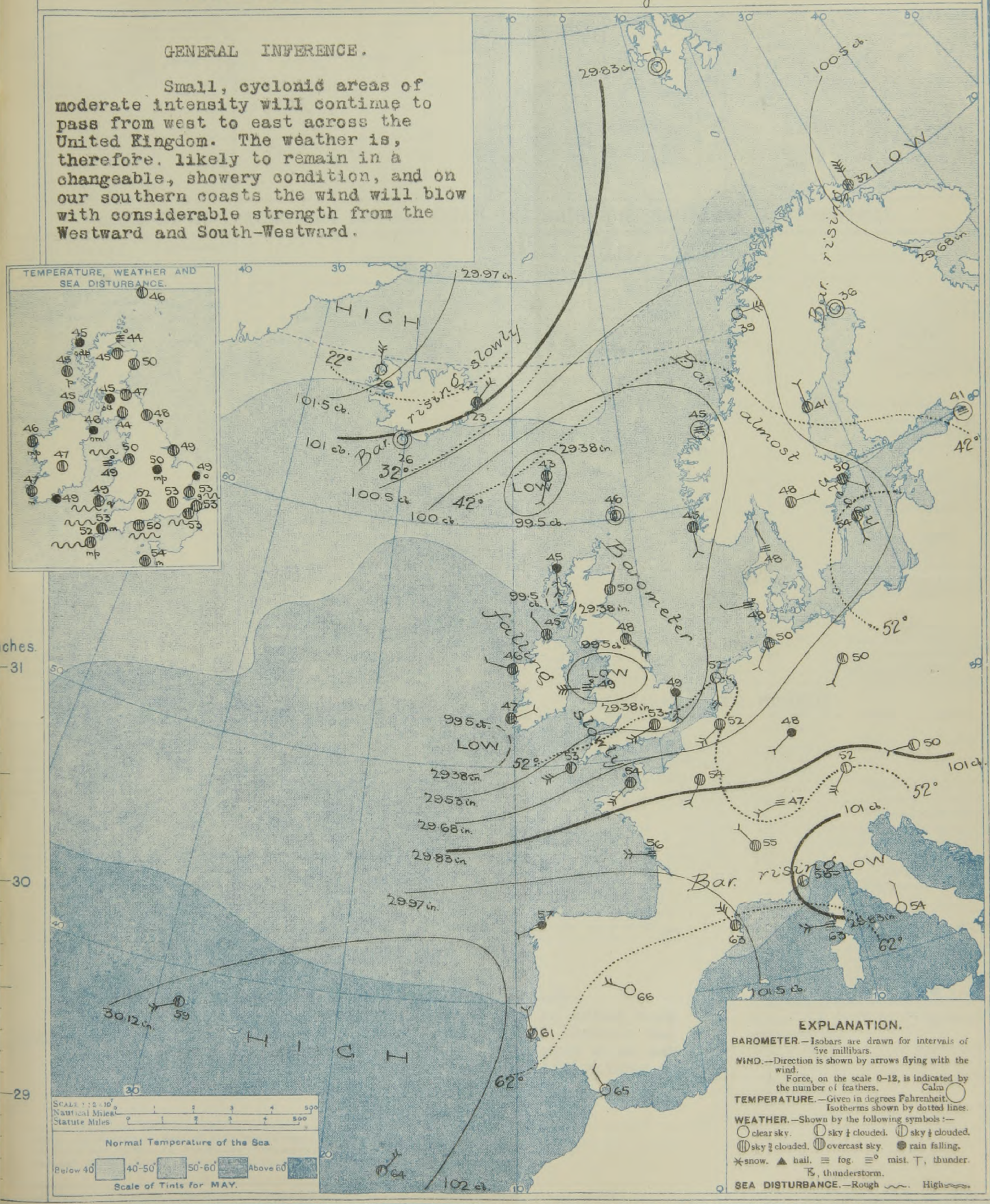
No Warnings Issued.

0 a, b; 1	Light variable airs; cool, unsettled, occasional rain, misty in places.
2 a, b; 3; 4 a, b	Light or moderate breezes from between South and West; cool, changeable, some showers.
5	Westerly and South-Westerly winds, strong on coast; cool, changeable, some showers.
6 a, b	Same as Nos. 0 and 1.
7 a, b; 8 a, b	Westerly to South-Westerly winds, strong in places; cool, changeable, some rain, misty on coast.
9 a, b; 10 a, b	Variable breezes, finally North-Westerly; cool, changeable, some rain, misty on coast.
Western Channel and Bay. 11	Strong Westerly and South-Westerly winds and a rough sea; cool, cloudy, showery, misty in places.

Millibars: 1050, 1040, 1030, 1020, 1010, 1000, 990, 980, 970

FURTHER OUTLOOK.

SYNOPTIC CHART FOR 7 a.m., Thursday, 7th MAY, 1914.



OBSERVATIONS from the ATLANTIC OCEAN received by RADIOTELEGRAPHY.

Date and Hour.	Position. Lat. N.	Position. Long. W.	Name of Ship.	O = Outward. H = Homeward	Barometer. Reading.	Barometer. Change in 3 hours.	Wind. Direc.	Wind. Force.	Weather.	Date and Hour.	Position. Lat. N.	Position. Long. W.	Name of Ship	O = Outward. H = Homeward	Barometer. Reading.	Barometer. Change in 3 hours.	Wind. Direc.	Wind. Force.	Weather.
	°	°			mb.	‡		(0–12).				°			mb.	‡		(0–12).	
6th 6 p.m.	47	28	Finland	O	1009.5	+6	W	4-5	0										
" 1 p.m.	51	12	Virginian	H	999.3	−1	W	4-5	0										
" 7 a.m.	48	25	Finland	O	1007.4	+3	WSW	4-5	0										

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

	Stations.	Rainfall.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 6 p.m.
		mm.§	° F.	° F.			Hr.
Scotland.	Oban	0.5	53	45	–	–	0.1
	St. Andrews	0.8	58	44	*	*	2.9
	Stonehaven	4.6	56	45	cgp	cpg	4.3
	Carnoustie	2.3	59	44		p	3.2
Eng., N.E.	Harrogate	–	54	45	bc.b.bc	c.o	2.9
	Scarborough	*	60	46	o.c	o.c	3.5
	Skegness	1.5	60	46	bc.gm	cg	2.8
Eng., N.W.	Douglas (I. of M.)	1.5	54	47	bc	cg	2.0
	Morecambe	1.3	54	49	bc	bc	1.5
	Blackpool						
	Southport	1.0	55	49	c.o.c	c.o.bc.o	4.0
Midlands.	Buxton	9.1	50	43	bc.r	o	0.4
	Leamington Spa	–	57	45	c.b.o	o	2.4
	Malvern	0.3	57	47	cb.g	bc.c	1.2
Wales.	Rhyl	2.3	55	44			0.7
	Colwyn Bay	1.3	56	49	o.bc	c	0.3
	Llandudno	6.6	55	49	op	o	0.6
	Aberystwyth	5.8	51	49	r.o	or	0.0
	Tenby	0.3	54	48	g	o	0.8
England, E.	Lowestoft	–	61	48	c.o.c	c.o	3.0
	Felixstowe	0.3	60	49	bc	o	2.5
	Walton-on-Naze	–	58	49	o.c.bc	om	2.1
	Southend-on-Sea	0.3	59	49	o.b.bc	bc.o	1.8
England, S.E.	Margate	–	58	49	bc.b	c	3.3
	Ramsgate	–	60	47	bc	o	2.1
	Folkestone	–	55	48	b	o	1.9
	Hythe	–	57	47	o	o	1.2
	Littlestone	*	*	*	*	*	2.9
	Hastings	0.5	56	49	op.c	c.o	1.9
	Bexhill-on-Sea	–	55	49	b	o	1.6
	Eastbourne	–	56	50	b.bc.o	og	4.0
	Seaford	–	55	49	bc	c	3.2
	Brighton	0.3	57	50	c	o	3.5
	Worthing	0.3	58	49	c	c.o	3.6
	Littlehampton	–	*	*	*	*	2.3
	Bognor	?	54	42	o	o	2.1
	Southsea	4.3	54	50	oc.bc	c	0.5
	Ryde	–	55	50	bcp	op	0.0
	Ventnor	–	54	48	*	*	0.9
	Bournemouth	–	58	48	o.c	c.o	1.3
England, S.W.	Weymouth	0.8	56	50	c.o	o	0.1
	Exmouth	1.0	58	49	o	pc.g	0.0
	Teignmouth	0.8	54	49	c	cr.c	0.1
	Torquay	0.8	53	49	o	p.o	0.6
	Paignton						
	Falmouth	4.1	53	47	o	orm	0.0
	Bude	0.8	54	49	c	c.o	0.0
	Ilfracombe	0.3	55	49	o	oc.c	0.0
	Weston-super-Mare	–	55	49	bc.c	c	0.2

LONDON OBSERVATIONS.

Stations.	Humidity. 3 p.m. Yesterday.	Humidity. 9 a.m. To-day.	Sunshine for Yesterday.	Temperature. In Screen. Max. (24 hours ended 9 a.m. To-day)	Temperature. In Screen. Min.	Temperature. Min. on Grass.	Rainfall.	Weather. Forenoon.	Weather. Afternoon.	Weather. Night.
	%	%	Hr.	° F.	° F.	° F.	mm.§			
Greenwich (Royal Obsy.)	70	63	1.6	59	48	46	–	c.bc	c.o	or.o
City (Bunhill Row)	*	*	1.8	*	*	*	*	*	*	*
Westminster (St. James's Pk.)	70	70	0.9	57	49	47	–	e.bc	c	ue.bc
Camden Sq. (Brit. Rainfall)	69	63	1.4	59	49	46	–	c.o	o	
Hampstead (Reservoir)	*	69	1.5	56	46	46	0.3	bc.o	bcp	* c
Richmond Park	*	*	2.2							
Kew. (See front page.)										
S. Kensington (Roof of M.O.)	63	74	1.2							

Vertical Component of Solar Radiation per square centimetre during Yesterday.

Total.	Average Rate.	Max. Rate.
744 Joules	13.8 Milliwatts.	56.0 Milliwatts.

Additional Observations for Yesterday.

Stations.	Rainfall.	Temperature. In Screen. Max.	Temperature. In Screen. Min.	Temperature. Night Min. on Grass.	Weather. Night.	Weather. Forenoon.	Weather. Afternoon.	Sunshine for Yesterday.
	mm.§	° F.	° F.	° F.				Hr.
Dublin to 4 p.m.	2.5	56	48	47	p.c.o	o.c	op	*
Plymouth to 9 p.m.	3.8	53	47	43	or	bc	op	0.1
Darwen "	1.3	55	45	45	or.w	ow.b	bcow	0.7
Manchester "	1.5	54	49	*	or.c.o	op	o	0.6
Birmingham "	–	54	46	41	c	o	o	0.5
Oxford to 8 p.m.	*	58	48	44	o.c	c.op.o	op	*
S. Kensington (Museum Grounds to 6 p.m.)	0.1	58	50	48	o	o	o	*

Table showing the Greenwich Times of Sunrise, Noon and Sunset for Stations in the United Kingdom To-day and To-morrow.

Thur. 8th May 1914.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth	4.14 / 4.12	11.49 / 11.49	7.25 / 7.26
Greenwich	4.24 / 4.22	11.56 / 11.56	7.29 / 7.30
Wick	4.7 / 4.4	12.8 / 12.8	8.10 / 8.12
Valencia	5.3 / 5.1	12.37 / 12.37	8.11 / 8.12

NOTES ON YESTERDAY'S WEATHER.

The thermometer rose to between 55° and 60° in most parts of our eastern, central and southern districts, and reached 61° at Lowestoft. The amount of bright sunshine was as a rule very small. Showers were again experienced in nearly all districts.

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. Single copies 1d. at M.O. and at the bookstalls at certain Railway Termini in London.

Printed at the Meteorological Office, South Kensington, London, S.W. By Wyman & Sons Ltd., Fetter Lane, London, E.C., and Reading.

§ 1 m.m. is approximately 4 hundredths of an inch. ‡ The barometric change is expressed in half-millibars.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

Friday, 18th May, 1914.

	STATIONS.	YESTERDAY EVENING. Barom. Millibars at M.S.L.	Temp. °F.	Wind. Direc.	Wind. Force 0-12	Weather.	THIS MORNING 7 A.M., G.M.T. Barometer. Millibars at M.S.L.	Barometer. Change in 3 hours. ‡	Temp. Dry Bulb. °F.	Temp. Change in 24 hours °F.	Wind. Direc.	Wind. Force 0-12.	Direc. of Upper Cloud	Weather.	Sea 0-9.	PAST 24 HOURS. Rainfall. Millimetres.	Temp. Max. °F.	Temp. Min. °F.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Sunshine for Yesterday. Hours.
BRITISH ISLANDS.	Lerwick ...	997·7	44	NE	4	or	997·8	+1	46	0	NE	3	NE	orm	3	4	50	42	cp	omr	orm	*
	Stornoway ...	994·9	47	E	2	0	997·2	+3	45	0	NE	6	NE	aq	5	7	54	42	op.c	c.odp	opq	0·6
	Castlebay (Barra Isd.)	995·0	46	WNW	3	op	996·0	0	47	+2	NNW	4	N	op	4	0·5	51	44	op.bc	bc.op	op.o	2·3
	Glasgow ...	994·2	47	W	1	od	993·0	−1	49	+4	WNW	2	–	org	*	1	50	42	odg	odg	od.op	0·0
	Eskdalemuir ...	994·2	45	NW	3	omr	993·7	0	40	−4	WSW	4	W	op	*	3	49	39	cp.o	or.o	op	0·0
	Malin Head ...	996·3	44	NNW	3	r	996·7	0	45	0	NNW	5	NW	c	4	2	50	43	cgr	omr	cpm	*
	Blacksod Point	998·4	47	NNW	4	bcf	1004·7	+4	44	−2	NW	7	N	cpq	5	10	51	40	omp	om.bcp	or, cpq	*
	Valencia ...	1003·0	49	WNW	5	bcr	1010·8	+6	44	−3	NW	6	NW	cpq	6	3	52	43	cmp	cr	cph	4·8
	Roche's Point	1001·0	51	NNW	4	b	1006·1	*	46	−3	NW	6	NW	b	4	4	55	42	opg.c	bcq.b	bcp.b	*
	Birr Castle ...	998·6	48	W	2	c	1003·0	*	42	−5	W	4	–	c	*	3	53	38	cp	cp	c	1·7
	Donaghadee ...	996·2	47	N	2	cp	997·5	0	40	−6	NW	3	NW	bc	3	6	50	40	cp	cp	omr.bc	*
	Liverpool (Bidston)	995·0	47	WNW	1	r	997·4	0	43	−7	W	4	NW	p	3	6	52	40	bcp	or	orh	1·1
	Holyhead ...	996·6	50	W	3	cg	999·9	+2	44	−5	WNW	5	NW	cgq	5	3	52	43	c.o.op	rop.bc	op.o.cq	2·3
	Pembroke (St. Ann's)	997·8	48	WNW	4	c	1003·4	+2	45	−4	WNW	5	NW	bcq	6	11	52	45	cq.orm	cpq	cq	1·2
	Newquay ...	1000·3	51	WSW	7	0	1006·6	+3	48	−5	NW	7	NW	c	6	1	57	44	op	c	cq	1·7
	Scilly (St. Mary's)	1002·6	52	W	7	cq	1007·9	+2	49	−4	NW	6	NW	cvq	6	1	56	46	cmq	cmq	cvq	3·6
	Jersey (St. Aubin)	1005·5	57	SW	4	0	1007·8	*	51	−3	W	5	W	b	4	6	60	48	o.c	b.bc	ohpq.c	4·3
	Portland Bill ...	999·3	53	SW	7	0	1003·0	+1	49	−3	W	6	–	b	5	0·5	54	47	o	op	o.c.bc	*
	Dungeness ...	1001·0	54	SW	7	oq	1003·0	+3	50	−3	WSW	5	W	bc	5	0·5	57	47	o.c	oq	oqp.bc	*
	Dover	1000·0	55	SW	5	o	1003·0	*	50	−3	SW	5	SW	b	5	0·5	58	46	o.c	bc.c.o	op.c.bc	3·3
	Wick	995·5	46	NE	3	o	992·2	−4	45	+1	NE	4	–	m	5	6	49	43	om.bc	bc.om	ormq	*
	Nairn	994	48	–	0	dmu	992·8	*	44	−1	NE	2	–	rm	2	? 8	52	43	r.d	d.o	rq	1·0
	Aberdeen ...	994·7	47	SE	1	r	989·9	−2	45	−5	WNW	3	–	r	2	10	53	44	op	or	or	0·1
	Leith	993·8	48	WNW	1	o	992·1	−1	45	−2	WSW	2	–	r	*	7	50	43	od	od.o	r	*
	North Shields ...	994·9	47	NNW	3	df	994·9	0	43	−5	WNW	4	–	orm	3	2	51	43	om	mr	orm	0·4
	Spurn Head ...	994·2	54	W	4	c	995·0	+3	45	−4	WNW	5	NW	bq	4	4	59	44	or	or.cm	cp	1·4
	Yarmouth ...	995·2	59	WSW	3	or	998·7	+2	48	−1	WSW	4	W	bc	2	3	62	46	o	o	or.bc	2·3
	Clacton-on-Sea	998·3	54	SW	3	or	1000·7	+3	49	−4	WSW	5	W	bc	4	3	62	48	cg.c.bc	c.o.tlr	or.c.bc	3·1
	Nottingham ...	994·2	52	SW	3	r	998·0	*	45	−5	WSW	4	W	bc	*	2	60	42	r.o.c	cp	cr.o	1·6
	Bath	997·3	55	W	2	o	1002·7	*	46	−6	W	4	W	o	*	13	59	43	cg.cp	or	q.op	2·7
	London (Kew Obsy.)	998·0	55	SW	4	orq	1002·8	+3	48	−5	WSW	4	–	b	*	22	62	45	o.c.o.r	or.tlr.orq	orq.o.bc.b	2·1
ICELAND, FAERÖE, &c.	Spitzbergen ...	1011·0	10	–	0	b	1011·5	+1	11	+12	S	1	*	b	*	*	12	−2				
	Isafjord... ...	1019·7	25	N	4	b	1025·2	0	23	+3	–	0	*	b	*	*	*	*				
	Reykjavik ...	1015·5	30	NNE	6	b	1021·9	+2	27	−2	E	2	*	b	*	*	*	*				
	Vestmanna ...	1012·3	34	–	0	bc	1018·7	+3	25	−1	N	6	*	b	1	*	*	*				
	Seydisfjord ...	1016·6	30	NE	3	0	1021·3	+1	18	−5	NE	2	*	b	*	*	*	*				
	Thorshavn ...	997·9	47	SSE	1	c	1007·3	+4	37	−6	ENE	7	*	0	*	*	*	*				
NORTHERN EUROPE.	Vardö	1013·0	30	W	3	bc	1012·8	−2	34	+2	ESE	2	–	b	2	*	34	27				
	Bodö	1003·3	45	–	0	bc	1002·9	0	48	+9	E	1	–	bc	1	–	46	36				
	Christiansund	1001·6	46	–	0	0	1000·3	0	46	+1	–	0	–	b	3	–	46	45				
	Skudesnaes ..	1000·8	46	S	1	c	998·1	0	48	+3	E	2	–	r	2	–	48	43				
	Færder (Christiania Fjord)	1000·7	48	WSW	1	bc	1001·0	0	48	+2	ESE	1	–	c	1	0·5	50	45				
	The Scaw (Skagen)	1001·5	52	–	0	c	998·7	−2	48	0	E	3	–	o	*	–	54	46				
	Blaavands Huk	999·8	52	SSE	1	c	995·4	−2	50	+2	SW	1	–	m	1	10	55	48				
	Haparanda ...	1010·6	45	SE	2	b	1006·7	−2	45	+9	ENE	4	SE	b	*	–	50	32				
	Hernösand ...	1006·7	39	N	4	r	1005·3	+1	43	+2	–	0	–	o	*	3	46	37				
	Stockholm ...	1002·6	46	SE	2	r	1003·3	+2	46	−4	SSW	2	–	o	*	1	59	43				
	Wisby	1002·6	50	SSW	2	b	1004·8	+1	54	0	S	2	SW	b	*	3	59	41				
	Karlstad	1001·6	52	E	2	o	1002·4	?	46	−2	–	0	–	f	*	1	57	46				
	St. Petersburg	1008·6	52	E	2	o	1009·1	+3	52	+11	SW	1	–	b	*	5	*	*				
CENTRAL EUROPE.	Berlin	1004·6	55	W	1	c	1004·0	0	57	+7	SW	3	SW	bc	*	2	61	54				
	Frankfurt... ...	1006·3	57	SW	2	0	1006·3	0	46	−2	SW	5	–	m	*	9	61	48				
	Munich	1010·6	53	SW	4	0	1009·7	0	57	+5	SW	5	–	c	*	3	57	46				
	Vienna	1009·5	55	WSW	1	0	1011·3	+1	54	+4	W	2	–	c	*	–	63	52				
	Cuxhaven ...	999·5	52	S	3	r	997·9	−1	52	+2	SW	2	–	r	0	9	59	50				
	The Helder ...	997·5	52	SSW	4	0	998·0	+3	52	0	WSW	5	–	c	4	2	54	50				
	Brussels	*	*	*	*	*	1003·3	+3	52	0	WSW	5	–	c	*	2	61	48				
FRANCE.	C. Gris Nez ...	1001·5	53	SW	6	0	1003·1	+3	50	−2	W	7	*	b	6	2	55	48				
	La Hève	1005·0	56	SW	6	r	1006·3	*	49	−4	W	5	*	bc	6	4	59	46				
	Ushant	1007·4	54	WNW	5	f	1010·3	*	51	−1	NW	4	*	c	4	1	57	46				
	Brest (St. Mathieu)	1007·7	55	SW	5	m	1010·7	+2	50	−5	NW	4	*	bc	4	2	57	48				
	Rochefort (Ile d'Aix)	1013·7	57	WSW	5	r	1016·7	0	55	−1	SW	5	*	o	*	–	59	55				
	Biarritz	1015·9	60	WSW	2	o	1013·9	0	55	−4	SSE	1	*	r	3	6	66	54				
	Paris	1006·9	61	SW	4	b	1007·5	+3	50	−4	W	1	–	r	*	3	68	50				
	Belfort	1012·3	54	WSW	7	0	1011·8	*	52	+5	WSW	6	*	o	*	4	59	50				
	Lyons	1013·9	62	W	1	bc	1013·0	*	56	+1	W	1	*	o	*	–	68	54				
	Nice	1010·7	58	WSW	2	b	1013·6	+1	59	+1	SW	2	*	b	2	–	70	48				
	Perpignan ..	1014·6	70	NW	2	c	1013·5	0	59	−4	–	0	SW	o	*	–	75	34				
	Sanguinaire ...	*	59	E	3	m	*	*	60	−3	E	2	*	f	4	–	66	54				
SOUTHERN EUROPE.	Corunna (7 a.m.)	1022·0	64	W	3	0	1015·0	0	57	0	WSW	3	–	r	3	4	64	54				
	Madrid (8 a.m.) ...	1012·8	77	W	1	bc	1013·5	0	59	−7	–	0	–	r	*	3	81	57				
	Lisbon (9 a.m.)	1015·8	68	NW	5	b	1015·8	+1	61	0	WNW	2	N	o	5	–	75	59				
	Gibraltar	1014·2	69	E	3	b	1011·8	*	63	−2	–	0	–	b	0	–	82	61				
	Rome	1011·4	63	NW	1	0	1014·9	+3	57	+3	NW	1	–	bc	*	–	72	54				
	Azores (Horta, 8 a.m.)	1025·1	*	N	4	bc	1030·0	+2	59	0	N	1	–	b	2	–	68	55				
	Madeira (Funchal)	1022·1	66	N	4	0	1018·0	+1	64	0	N	4	–	o	4	–	70	63				

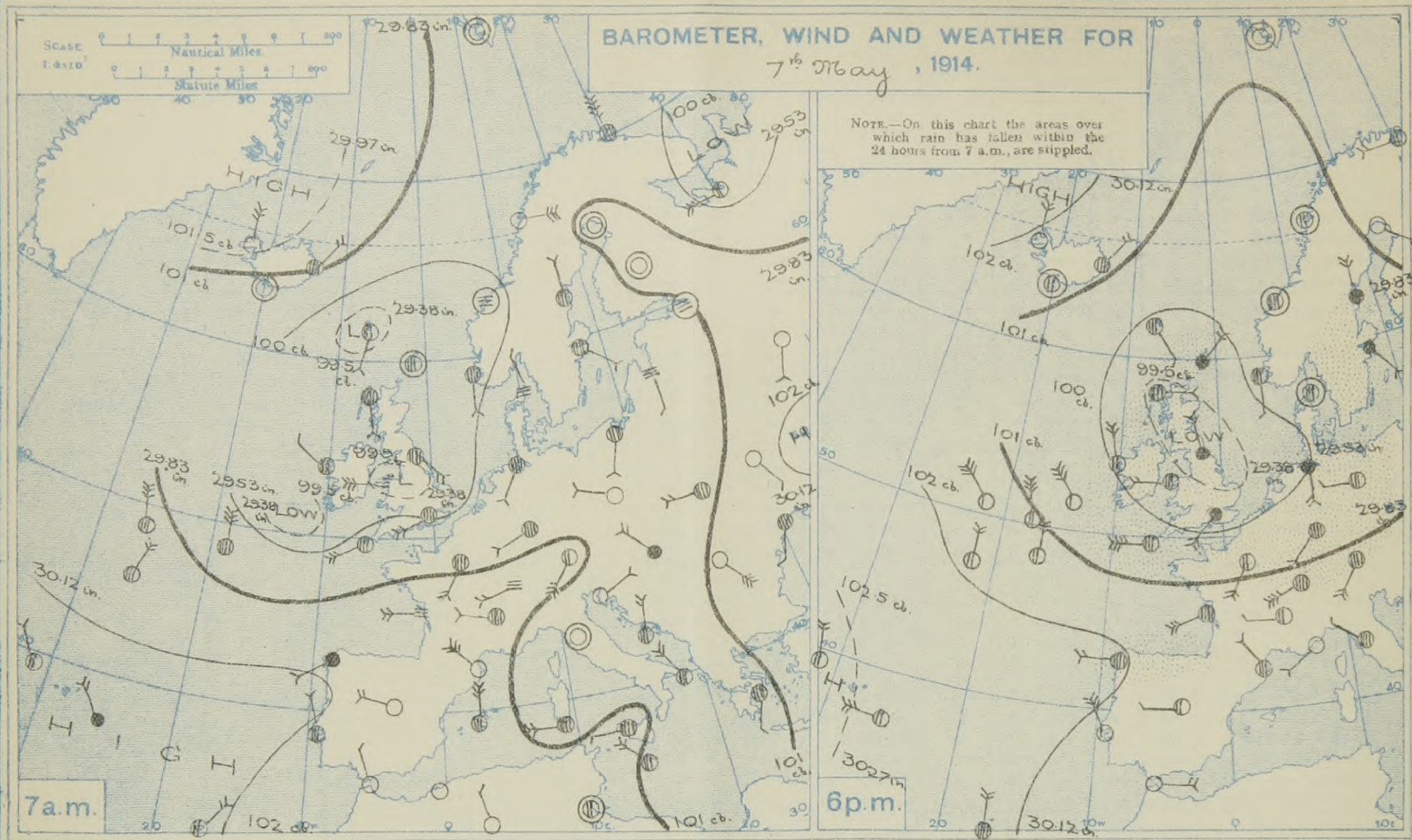
* Information for these columns not usually received. † Received too late for insertion in Charts. ‡ The barometric change is expressed in half-millibars.

Equivalents of Millibars in Inches.

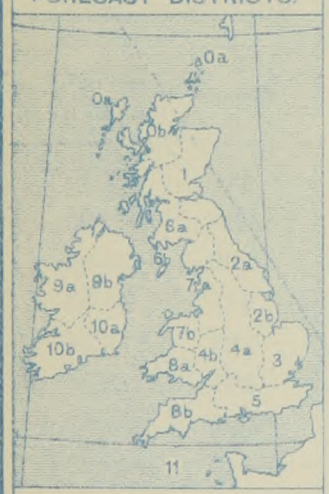
Millibars.	Inches of Mercury at 32° F. in Lat. 45.
940	27·76
950	28·05
960	28·35
970	28·65
980	28·94
990	29·24
1000	29·53
1010	29·83
1020	30·12
1030	30·42
1040	30·71
1050	31·01

1,000 millibars are equivalent to 14¾ lbs. per square inch (in Lat. 45).

100 millibars to one pound and a half per square inch.



FORECASTS FOR THE 24 HOURS NOON FRIDAY TO NOON SATURDAY.



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.

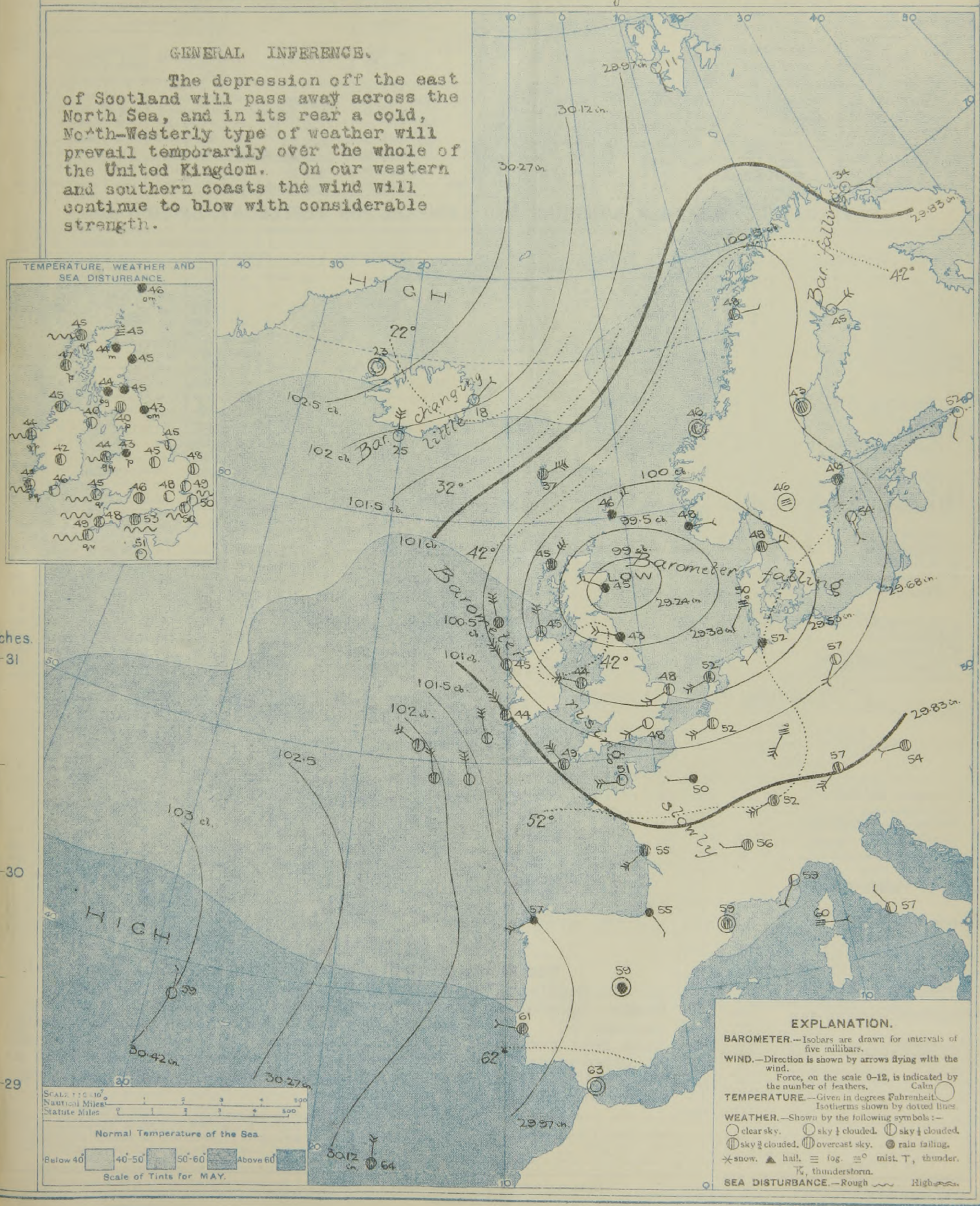
No Warnings Issued.

0 a, b	Northerly and North-Easterly winds, fresh; cold, changeable, some showers.
1, 2 a, b	North-Westerly winds, freshening; cold, changeable, some showers.
3, 4 a, b	Westerly to North-Westerly winds, fresh; cool, changeable, some showers, considerable fine intervals.
5	Westerly to North-Westerly winds, strong on coast; cool, changeable, some showers, considerable fine intervals.
6 a, b	Same as Nos. 1 and 2.
7, 8, 9, 10 a, b	North-Westerly winds, strong at first, but moderating later; cool, changeable, some showers, considerable fine intervals.
Western Channel and Bay. 11	Strong Westerly and North-Westerly winds and a rough sea; cool; squally, showery, fine intervals.

FURTHER OUTLOOK.

Millibars
1050
1040
1030
1020
1010
1000
990
980
970

SYNOPTIC CHART FOR 7 a.m., Friday, 8th MAY, 1914.



OBSERVATIONS from the ATLANTIC OCEAN received by RADIOTELEGRAPHY.

Date and Hour.	Position. Lat. N.	Position. Long. W.	Name of Ship.	O = Outward. H = Homeward	Barometer. Reading.	Barometer. Change in 3 hours.	Wind. Direc.	Wind. Force.	Weather.
	°	°			mb.	‡		(0-12).	
8th 7am	49	44	Oceanic	H	1020.0	+1	NNW	4-5	c
" "	49	12	Montreal	H	1018.6	+8	NNW	6-7	bc
" "	51	11	Merion	O	1010.5	+7	NNW	6-7	bc
" "	55	10	Lake Manitoba	O	997.3	+2	NNW	6-7	o
7th 6pm	48	21	Oceanic	H	1019.6	0	N	4-5	bc
" "	50	21	Empress of Ireland	H	1018.6	0	NW	6-7	b
" "	50	17	Arabic	O	1013.2	+7	NNW	6-7	bc

Date and Hour.	Position. Lat. N.	Position. Long. W.	Name of Ship	O = Outward. H = Homeward	Barometer. Reading.	Barometer. Change in 3 hours.	Wind. Direc.	Wind. Force.	Weather.
	°	°			mb.	‡		(0-12).	
7th 6pm	49	16	Montreal	H	1014.5	+4	N	6-7	bc
" "	51	13	Royal Edward	O	1007.8	+5	NW	6-7	b
" 1pm	51	10	do do	O	1002.9	+8	WNW	6-7	bc
" 7am	47	26	Oceanic	H	1014.5	+2	NNE	4-5	c
" "	49	25	Empress of Ireland	H	1014.2	+1	NNW	6-7	c
" "	49	19	Montreal	H	1007.8	+6	N	6-7	o
8th "	50	17	Empress of Ireland	H	1018.6	+1	NW	4-5	bc

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

	Stations.	Rainfall.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 6 p.m.
		mm.§	°F.	°F.			Hr.
Scotland	Oban	0.5	54	43	ep.bc	bc.c	0.0
	St. Andrews	3.1	51	44	*	*	0.4
	Stonehaven	7.9	51	44	cpm	.or	0.1
	Cornoustie	2.0	52	43	*	*	0.6
Eng., N.E.	Harrogate	5.1	53	44	o.c.o	o.bc.c.o	1.0
	Scarborough	*	52	46	o	o	0.0
	Skegness	3.6	60	47	rg.c	c.og	2.2
Eng., N.W.	Douglas (I. of M.)	6.1	52	45	dg	c	1.7
	Morecambe	5.6	51	47	op	bc	2.1
	Blackpool	7.4	53	46	or	c.op	0.5
	Southport	6.4	51	46	op.c	o.c.or.o	0.3
Midlands	Buxton	8.6	50	43	r	r	0.1
	Leamington Spa	4.3	59	46	c.o	o	3.3
	Malvern	6.6	57	46	bcp	r.c	2.5
Wales	Rhyl	10.9	52	47	p	p	4.3
	Colwyn Bay	9.1	52	47	c	r	0.0
	Llandudno	9.1	54	47	o	o	0.3
	Aberystwyth	2.0	54	48	r.o.c	c.o	0.5
	Tenby	14.7	54	48	r	r.o.c	1.1
England, E.	Lowestoft	1.3	62	47	c.o	o.c	1.2
	Felixstowe	2.0	64	47	c.bc	or	2.1
	Walton-on-Naze	7.4	62	48	og.bc	op.or	3.5
	Southend-on-Sea	8.1	60	49	o.bc.b	bc.or.o	4.5

	Stations.	Rainfall.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 6 p.m.
		mm.§	°F	°F.			Hr.
England, S.E.	Margate	–	62	48	c.bc	c	3.2
	Ramsgate	1.0	61	48	o	o	2.8
	Folkestone	0.8	58	46	o	o	2.4
	Hythe	0.8	61	48	o	o	2.3
	Littlestone	*	*	*	*	*	3.1
	Hastings	–	57	48	bc.o	o	0.9
	Bexhill-on-Sea	0.1	56	49	o	o	1.9
	Eastbourne	0.8	57	49	o.bcq	oq	3.4
	Seaford	0.5	56	49	bc	c	2.8
	Brighton	1.0	56	50	er	o	2.3
	Worthing	0.5	58	49	er.o	o	2.1
	Littlehampton	1.0	*	*	*	*	2.9
	Bognor	2.8	57	54	opq	oq	2.3
	Southsea	0.8	59	49	om.c	op.o	0.0
	Ryde	0.5	57	48	o	o	1.9
	Ventnor	0.5	57	48	*	*	1.9
	Bournemouth	1.3	60	48	r.o.c	c.o	3.0
England, S.W.	Weymouth	0.8	59	49	c.bc	c.bc	3.6
	Exmouth	1.5	58	48	bc	b.pg	0.6
	Teignmouth	2.0	60	49	c	cp.b	2.5
	Torquay	1.0	57	49	o.	p.o.c.bc	3.3
	Paignton	2.3	58	49	p.bc	bc.p	2.8
	Falmouth	2.0	57	51	opq	o.bc	3.0
	Bude	2.8	55	50	c.b.p	ogpr	0.2
	Ilfracombe	9.1	55	49	od.r	op.mc	0.0
	Weston-super-Mare	6.4	56	47	b.bcr	bcr.bc	2.5

LONDON OBSERVATIONS.

Stations.	Humidity. 3 p.m. Yesterday.	Humidity. 9 a.m. To-day.	Sunshine for Yesterday.	Temperature. In Screen. Max.	Temperature. In Screen. Min.	Temperature. Min. on Grass.	Rainfall.	Weather. Forenoon.	Weather. Afternoon.	Weather. Night.
	%	%	Hr.	24 Hours ended 9 A.M. To-day. °F.	°F.	°F.	mm.§			
Greenwich (Royal Obsy.)	92	64	3.7	65	45	39	14.2	bc	o+lr	o.b
City (Bunhill Row)	*	*	3.7	*	*	*	*	*	*	*
Westminster (St. James's Pk.)			3.0							
Camden Sq. (Brit. Rainfall)	97	69	3.5	65	45	40	22.9	bc.c	bc+lr	*
Hampstead (Reservoir)	*	73	3.1	60	42	39	22.4	c	c.orth	bcp.c
Richmond Park	*	*	3.1							
Kew. (See front page.)										
S. Kensington (Roof of M.O.)	67	94	2.8							

Vertical Component of Solar Radiation per square centimetre during Yesterday.

Total.	Average Rate.	Max. Rate.
909 Joules	16.7 Milliwatts.	83.0 Milliwatts.

Additional Observations for Yesterday.

Stations.	Rainfall.	Temperature. In Screen. Max.	Temperature. In Screen. Min.	Temperature. Night Min. on Grass.	Weather. Night	Weather. Forenoon.	Weather. Afternoon.	Sunshine yesterday.
	mm.§	°F.	°F	°F.				Hr.
Dublin to 4 p.m.	5.1	53	47	47	or.c	c.or	o.cp	*
Plymouth to 9 p.m.								
Darwen "	8.6	49	44	41	ow.r	or	orb	0.0
Manchester "	6.9	55	47	*	o.or	op.c	op	0.6
Birmingham "	3.1	55	43	44	r	c	o.cr	1.5
Oxford to 8 p.m.	*	61	47	46	o.c	c	c.opor	*
S. Kensington (Museum Grounds to 6 p.m.)	20.3	62	49	48	o.c	o	orgtlr	

Table showing the Greenwich Times of Sunrise, Noon and Sunset for Stations in the United Kingdom To-day and To-morrow.

8th. 9th May 1914.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth	4.12 / 4.10	11.49 / 11.49	7.26 / 7.28
Greenwich	4.22 / 4.21	11.56 / 11.56	7.30 / 7.31
Wick	4.4 / 4.2	12.8 / 12.8	8.12 / 8.14
Valencia	5.1 / 5.0	12.37 / 12.37	8.12 / 8.14

NOTES ON YESTERDAY'S WEATHER.

The thermometer rose to 60° and upwards at several of the English stations, and reached 65° at Greenwich and Camden Square; in the north and west of Scotland it scarcely touched 50°. The amount of bright sunshine was mostly small. Rain fell generally, and thunderstorms occurred in London and at Clacton-on-Sea. Wireless reports show that as far west as the 26th meridian ships experienced fresh to strong Northerly winds and 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. Single copies 1d. at M.O. and at the bookstalls at certain Railway Termini in London.

Printed at the Meteorological Office, South Kensington, London, S.W. By Wyman & Sons Ltd., Fetter Lane, London, E.C., and Reading.

§ 1 m.m. is approximately 4 hundredths of an inch. ‡ The barometric change is expressed in half-millibars.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

Saturday, 9th May, 1914.

	STATIONS.	Yesterday Evening: Barom. Millibars at M.S.L.	Temp. °F.	Wind: Direc.	Wind: Force 0–12	Weather.	This Morning 7 a.m., G.M.T.: Barometer: Millibars at M.S.L.	Change in 3 hours. ‡	Temp.: Dry Bulb. °F.	Change in 24 hours. °F.	Wind: Direc.	Wind: Force 0–12.	Direc. of Upper Cloud.	Weather.	Sea 0–9.	Past 24 Hours: Rainfall. Millimetres.	Temp.: Max. °F.	Temp.: Min. °F.	Weather: Morning.	Afternoon.	Night.	Sunshine for Yesterday. Hours.
BRITISH ISLANDS.	Lerwick ...	1002.4	43	N	9	orq	1011.5	+4	37	−9	N	9	NE	oq	6	12	46	34	omr	orq	opqr	*
	Stornoway ...	1007.4	42	NNE	7	eq	1017.9	+4	36	−9	NNE	6	N	osp	5	1	47	34	oqp	oq	oq	0.0
	Castlebay (Barra Isd.)	1006.7	45	NNW	5	op	1017.7	+4	38	−9	N	4	–	osp	4	1	50	36	op	op	opq.sp	0.5
	Glasgow ...	994.8	44	NW	3	od	1012.6	+7	39	−10	NW	2	N	o	*	3	48	37	od	odp	op.o	0.0
	Eskdalemuir ...	992.4	44	NNW	3	o	1011.0	+10	37	−3	N	5	–	o	*	7	45	35	p.o	o	r.o	0.0
	Malin Head ...	1002.9	46	N	9	o	1016.7	+5	41	−4	N	7	NW	bc	7	4	47	39	cmr	omqp	bcpoqr	*
	Blacksod Point	1011.7	49	NW	6	cqp	1021.3	+4	45	+1	N	3	NW	bcp	3	4	52	41	cqp	cqp	bcpqr	*
	Valencia ...	1014.2	48	NW	6	cqr	1021.3	+4	47	+3	NW	3	NW	op	4	1	50	42	cq	bcq	bcp	9.c
	Roche's Point	1009.8	49	NNW	7	r	1019.6	*	45	−1	N	4	–	b	3	0.5	51	42	bcqp.c	cqp.o	cp.b	*
	Birr Castle ...	1007.1	48	NW	4	c	1018.6	*	43	+1	NNW	2	N	bc	*	7	48	39	cpq	cpq	bc	1.7
	Donaghadee ...	999.2	45	NW	7	oqr													cp	oqr		*
	Liverpool (Bidston)	996.5	44	WSW	6	r	1009.6	–	43	0	NW	6	NW	orq	5	5	50	42	bc	orq	oq	4.8
	Holyhead ...	1000.7	47	WNW	8	omr	1013.5	+7	45	+1	N	8	N	cq	8	10	53	43	c.bc.c	bc.c.or	or.oqp	5.5
	Pembroke (St. Ann's)	1005.5	47	W	6	c	1014.9	+8	45	0	NW	6	N	cq	5	3	50	43	bcq	cpq	cpq	6.8
	Newquay ...	1009.4	49	W	7	bc	1015.6	+5	47	−1	NW	7	NW	bc	7	0.5	51	46	bcp.bw	bw	bcmq	11.6
	Scilly (St. Mary's)	1013.5	50	WNW	7	bcq	1017.4	+4	48	+1	NNW	6	NW	bc	6	–	54	45	bcq	bcq	cq.bc	11.4
	Jersey (St. Aubin)	1011.0	53	W	4	b	1013.2	*	49	−2	WNW	5	NW	op	4	1	61	45	b.bc	b	b.opq.o	12.6
	Portland Bill ...	1007.0	51	W	6	bc	1010.8	+5	48	−1	NW	6	NW	c	5	1	54	47	bc	bc	cp	*
	Dungeness ...	1004.0	53	SW	7	b	1005.4	+1	46	−4	WSW	5	W	cq	5	2	56	45	bc	bc	bcpqr	*
	Dover	1003.0	50	SW	6	b	1005.4	*	49	−1	NW	4	–	bc	4	0.5	56	44	b	b	b.bc.c	12.7
	Wick	998.7	45	N	9	r	1012.7	+8	37	−8	NNW	6	N	oq	5	24	45	35	orm	orm	ormqr	*
	Nairn	998.2	45	N	7	oqm	1014.6	*	37	−7	N	5	–	oqm	5	30	46	34	qr	omr	rmqr	0.0
	Aberdeen ...	993.3	46	–	0	r	1010.4	+7	39	−6	NNW	6	–	r	4	28	51	37	or	omr	orqr	0.0
	Leith	992.6	48	W	3	r	1011.1	+10	42	−3	NNW	4	N	o	*	14	50	41	od	o	r	*
	North Shields ...	993.1	45	N	2	omr	1007.0	+10	42	−1	N	6	–	mrq	6	7	47	41	omr	omp	ormqr	0.0
	Spurn Head ...	995.9	50	WNW	4	c	1000.0	+10	46	+1	NW	6	E	bcq	5	1	53	42	cpqr	cp	cpqr	8.4
	Yarmouth ...	1000.4	48	WSW	3	bc	1000.4	+5	46	−2	W	3	W	bcp	2	8	57	43	bcp	bcqptlrh	bcmq	11.2
	Clacton-on-Sea	1001.7	52	WSW	4	bc	1003.0	+5	48	−1	W	4	NW	c	3	0.5	57	46	bc	bc	bc.bcp	11.1
	Nottingham ...	997.5	50	WSW	5	c	1005.6	*	44	−1	NW	6	NW	ome	*	2	53	43	bcp.e	cph	cp.o	6.4
	Bath	1004.4	48	W	5	c	1010.8	*	48	+2	NW	4	NW	o	*	1	54	45	qp.cq	qupc	q.op.c	10.3
	London (Kew Obsy.)	1003.2	52	WSW	5	bcmq	1006.5	+6	45	−3	NW	3	NW	o	*	1	55	45	bbcc.bcq	bcq.bcmq	c.b.qbq	11.3
ICELAND, FAEROE, &c.	Spitzbergen ...	1010.9	9	–	0	b	1009.0	0	4	−7	–	0	*	b	*	*	14	−9				
	Isafjord... ...	1024.4	33	–	0	b	1018.3	−2	28	+5	–	0	*	c	*	*	*	*				
	Reykjavik ...	1022.7	36	E	3	b	1015.5	−3	32	+5	E	5	*	s	*	*	*	*				
	Vestmanna ...	1022.3	34	E	5	b	1016.6	−2	36	+11	SSE	3	*	o	2	*	*	*				
	Seydisfjord ...	1024.0	34	W	1	b	1020.8	−3	24	+6	–	0	*	b	*	*	*	*				
	Thorshavn ...	1015.1	34	N	5	c	1018.9	+3	32	−5	N	5	*	o	*	*	*	*				
NORTHERN EUROPE.	Vardö	1008.0	36	SSE	6	c	1007.4	−1	37	−3	S	1	–	b	2	*	37	25				
	Bodö	999.5	45	NE	2	b	1000.3	0	39	−9	W	2	–	r	2	–	48	39				
	Christiansund	999.1	52	NE	1	b	1003.1	+3	39	−7	N	5	–	o	3	–	54	39				
	Skudesnaes ..	995.9	48	E	3	r	998.6	+1	45	−3	S	4	–	r	4	12	48	43				
	Færder (X'iania Fjord)	997.7	48	E	2	r	998.0	+2	46	−2	SSW	6	SE	c	3	11	52	45				
	The Scaw (Skagen)	996.4	52	SSE	3	o	1001.0	+1	46	−2	SSE	2	–	b	*	6	52	43				
	Blaavands Huk	1000.2	48	WSW	3	b	1001.9	+1	43	−7	WSW	5	–	r	*	0.5	55	43				
	Haparanda ...	1005.5	43	NE	2	b	1006.7	0	37	−8	SE	2	–	o	*	–	50	32				
	Hernösand ...	1006.4	43	S	2	bc	1002.5	−3	37	−6	NE	2	–	r	*	2	54	37				
	Stockholm ...	1003.8	48	SE	2	o	1002.0	0	52	+6	SSW	2	NW	o	*	0.5	59	45				
	Wisby	1003.4	55	NW	2	bc	1004.2	+1	50	−4	SW	2	SW	bc	*	0.5	61	46				
	Karlstad	1000.3	50	E	2	o	1000.6	+3	46	0	SW	2	–	o	*	6	59	45				
	St. Petersburg														*		*					
CENTRAL EUROPE.	Berlin	1004.3	61	SW	2	o	1007.5	+3	54	−3	SW	3	–	o	*	2	66	50				
	Frankfurt... ...	1006.6	57	SW	2	o	1010.3	+2	48	+2	SW	1	–	m	*	1	63	46				
	Munich	1009.3	55	SW	4	r	1008.6	−1	50	−7	S	2	–	o	*	10	63	48				
	Vienna														*							
	Cuxhaven ...	1003.7	48	W	2	b	1003.9	0	50	−2	S	2	–	b	0	4	57	41				
	The Helder ...	1001.1	52	SSW	5	b	999.1	−2	48	−4	SSW	4	–	o	3	1	54	46				
	Brussels	*	*	*	*	*	1005.9	0	48	−4	SW	5	–	o	*	?	59	41				
FRANCE.	C. Gris Nez ...	1004.2	51	WSW	7	b	1005.0	+3	48	−2	W	6	*	o	6	1	54	46				
	La Hève	1009.0	50	WNW	5	b	1009.6	*	48	−1	NW	6	*	o	7	–	57	46				
	Ushant	1014.3	50	NW	5	bc	1016.6	*	52	+1	N	6	*	c	7	–	54	46				
	Brest (St. Mathieu)	1013.6	51	NNW	5	bc	1017.5	+3	50	0	NNW	5	*	bc	3	–	57	48				
	Rochefort (Ile d'Aix)	1012.6	54	NW	5	c	1016.8	+2	48	−7	N	4	*	o	*	6	59	48				
	Biarritz	1012.2	57	WNW	3	r	1015.1	0	50	−5	NE	5	*	r	4	9	66	46				
	Paris	995.8	55	WNW	3	b	1003.8	0	48	−2	SW	2	–	b	*	4	61	39				
	Belfort	1009.2	55	WSW	4	o	1011.1	*	46	−6	–	0	*	r	*	1	69	46				
	Lyons	1010.3	60	S	1	o	1014.4	*	46	−10	N	1	*	r	*	16	68	46				
	Nice	1013.1	55	–	0	o	1009.5	0	55	−4	–	0	*	r	2	11	66	54				
	Perpignan ..	1010.1	59	–	0	o	1018.7	+3	50	−9	NW	3	NW	r	*	5	73	*				
	Sanguinaire ...	*	60	W	2	m	*	*	69	+9	SE	5	*	o	2	4	69	57				
SOUTHERN EUROPE.	Corunna (7 a.m.)	1017.5	61	WNW	5	o	1023.0	+5	52	−5	NNE	6	*	bc	6	4	57	45				
	Madrid (8 a.m.) ...	1009.2	63	NE	1	r	1014.0	+7	43	−16	NE	2	–	r	*	10	72	43				
	Lisbon (9 a.m.)	1013.9	63	W	4	bc	1020.7	+3	54	−7	NW	6	–	b	6	1	68	52				
	Gibraltar	1015.6	65	NW	6	c	1016.6	*	59	−4	NW	6	–	c	3	–	78	58				
	Rome														*							
	Azores (Horta, 8 a.m.)	1032.3	*	ENE	3	c	1033.6	0	55	−4	–	0	N	c	1	–	64	54				
	Madeira (Funchal)	1025.1	64	NE	3	bc	1027.4	+3	63	−1	NE	3	SE	bc	3	–	70	59				

GALES.

Duration and Extreme Force in British Islands.

Lerwick.
8th 5pm – 9th 7am. N. 9.

Malin Head.
8th 2pm – 8th 7am squalls N 10
Between 9pm – Midt

Roche's Point
8th 3p.m. – NNW 8

Southport
9th 1am – 4am. NW 8, gusts 24 metres per second.

Holyhead.
8th. 4pm. WNW 22 metres per sec.
" 8p.m. " 27 " " "
9th 1am NW 27 " " "

Portland Bill
9th 2am – 3am WNW 8

Dungeness.
9th Midt – 2am. WSW 8

Wick
8th 10am – 9th 3am. N 9 at 10am.

Nairn
8th 7pm – 9th 3am. N 9 at 9pm

Aberdeen.
9th. 2am. NNW 24 metres per sec.

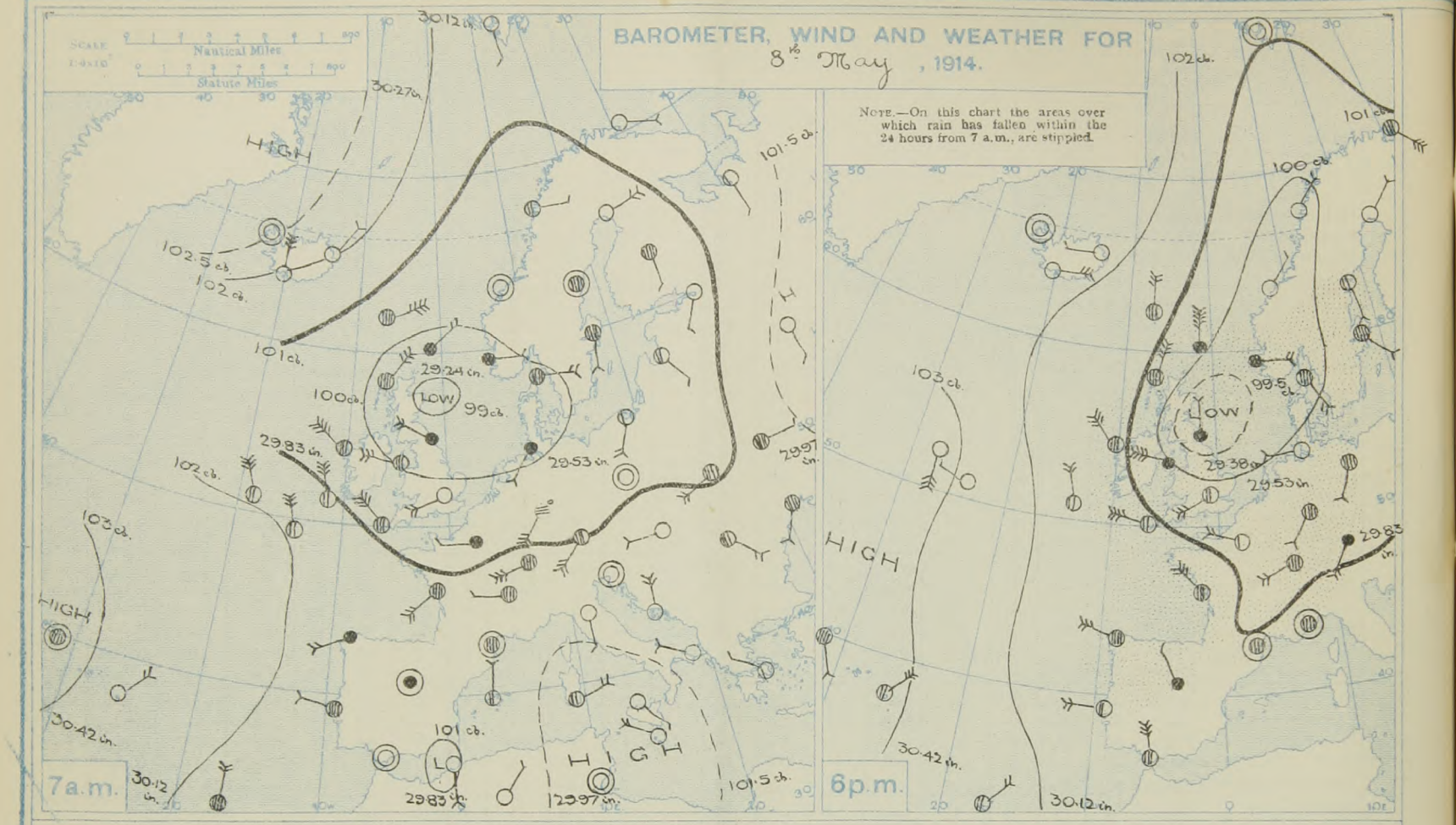
HIGHEST GUST RECORDED

Pendennis Castle
March 14th 1905, 46 metres per second

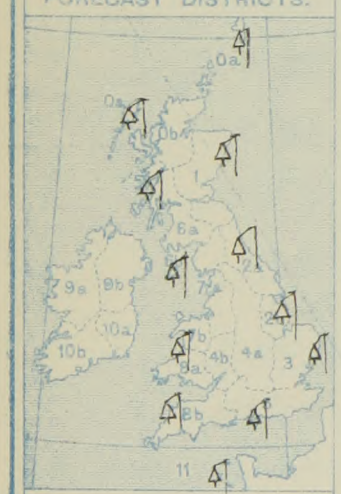
HIGHEST MEAN VELOCITY RECORDED DURING ONE HOUR

Fleetwood
January 12th 1899 34 metres/second

* Information for these columns not usually received. † Received too late for insertion in Charts. ‡ The barometric change is expressed in half-millibars.



FORECASTS FOR THE 24 HOURS NOON SATURDAY TO NOON SUNDAY.



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 last evening at 7.15 on all Coasts. Lowered this morning at 9.50 in Districts 9 and 10.

0 (a, b), 1 — Strong Northerly winds moderating later and backing to the Westward or South-Westward; some showers, then fair; ground frost to-night.

2 (a, b), 3, 4 (a, b), 5 — Strong North-Westerly winds and cloudy, showery weather. Wind moderating later and weather improving temporarily. Ground frost locally to-night.

6 (a, b), 7 (a, b) — Same as Nos. 0 to 2.

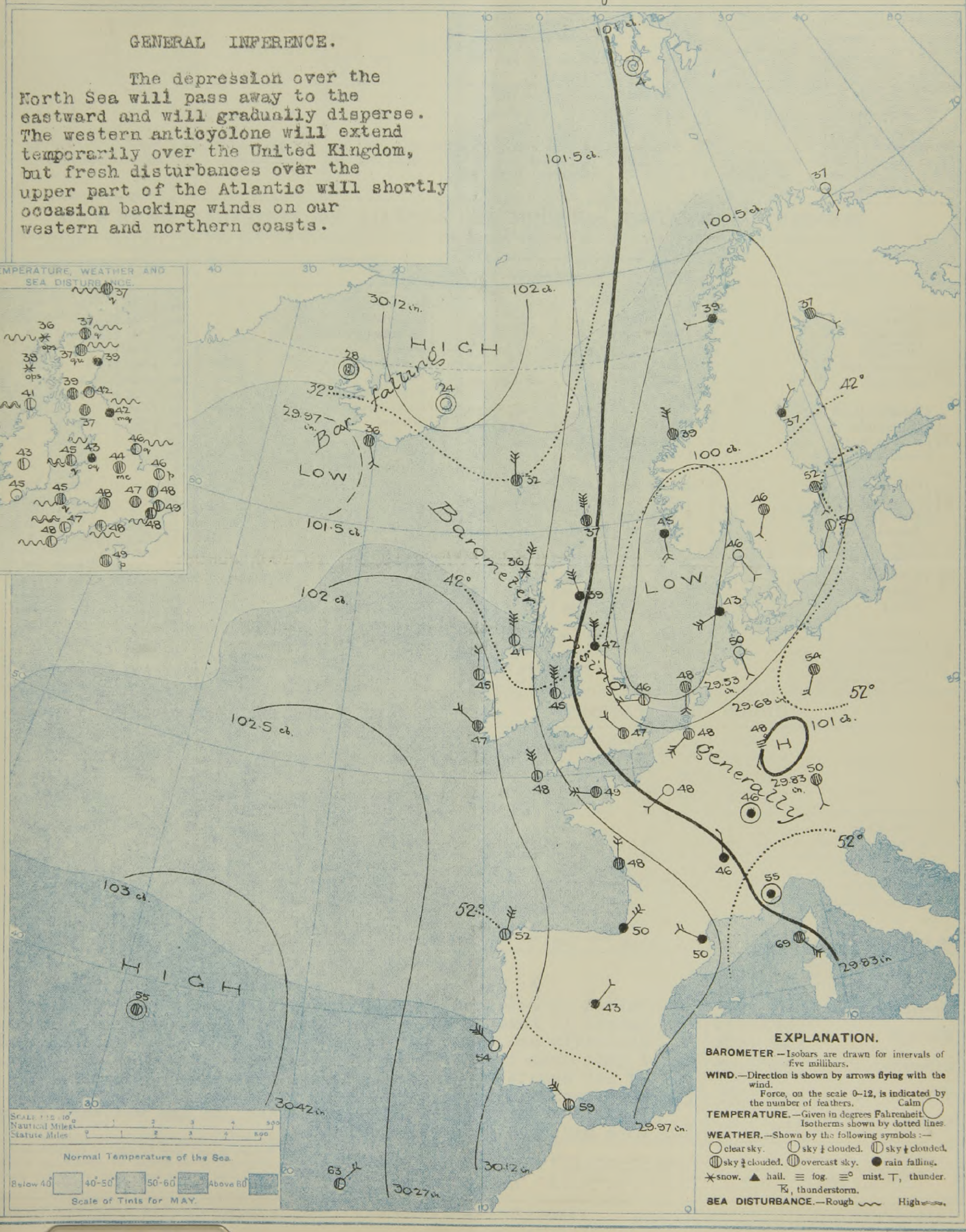
8 (a, b) — Strong North-Westerly winds, moderating and backing later; fair generally; ground frost locally to-night.

9 (a, b), 10 (a, b) — Moderate winds, backing to the Westward or South-Westward; fair generally; ground frost inland to-night.

Western Channel and Bay. 11 — Strong North-Westerly winds and a rough sea; mostly fair, but some local showers; cool.

FURTHER OUTLOOK.

SYNOPTIC CHART FOR 7 a.m., Saturday, 9th MAY, 1914.



OBSERVATIONS from the ATLANTIC OCEAN received by RADIOTELEGRAPHY.

Date and Hour.	Position. Lat. N.	Position. Long. W.	Name of Ship.	O = Outward. H = Homeward.	Barometer. Reading.	Barometer. Change in 3 hours.	Wind. Direc.	Wind. Force.	Weather.	Date and Hour.	Position. Lat. N.	Position. Long. W.	Name of Ship	O = Outward. H = Homeward.	Barometer. Reading.	Barometer. Change in 3 hours.	Wind. Direc.	Wind. Force.	Weather.
	°	°			mb.	‡		(0-12).			°	°			mb.	‡		(0-12).	
8th 6 p.m.	51	27	Caledonia	H	1033.5	+1	S	6-7	b	8th 6 p.m.	50	14	Merion	O	1021.3	+5	NNW	4-5	bc
" "	50	23	Royal Edward	O	1027.7	+2	WNW	1-3	b	" 7 a.m.	50	18	Royal Edward	O	1020.6	+5	NNW	6-7	bc
" "	55	13	Lake Manitoba	O	1014.5	+5	NNW	6-7	bc										

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

	Stations.	Rainfall.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 6 p.m.
		mm.§	°F.	°F.			Hr.
Scotland.	Oban						
	St. Andrews	6	51	43	*	*	0.0
	Stonehaven	9	52	43	cp	or	1.5
	Carnoustie	7	50	44	*	*	0.2
Eng. N.E.	Harrogate	3	51	40	b.bc	cr.o	6.1
	Scarborough	*	55	43	or	o.c	4.0
	Skegness	–	55	44	bc	ut.cp	9.7
Eng. N.W.	Douglas (I. of M.)	10	48	40	cq	orq	2.6
	Morecambe	7	50	44	bc	bc.od	3.1
	Blackpool	5	50	43	or.c	or	3.9
	Southport	4	50	44	bc.c.o	or	4.5
Mid-lands.	Buxton	5	50	30	tr.o	bc.r	2.1
	Leamington Spa	2	52	41	cp	cph	8.8
	Malvern	2	50	41	c.bc	p.bc	7.5
	Bettws-y-Coed	3	52	43	*	*	0.0
Wales.	Rhyl	4	47	42	bc.or	or	1.5
	Colwyn Bay	5	52	42	p.bc	p	5.0
	Llandudno	4	53	43	bc	r	5.6
	Aberystwyth	3	51	42	r.o.c	c.or	3.5
	Tenby	2	53	46	b.bc	bc.or	9.0
England, E.	Lowestoft	11	58	42	c.bc.cp	c.othp.b	10.0
	Felixstowe	3	58	47	bcq	bcq	11.7
	Walton-on-Naze	4	56	47	bcq	bcq.cq	11.8
	Southend-on-Sea	–	57	47	b	b.bcu	11.3

	Stations.	Rainfall.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 6 p.m.
		mm.§	°F.	°F.			Hr.
England, S.E.	Margate	–	59	47	b	b	12.1
	Ramsgate	–	59	45	bc	bc	11.8
	Folkestone	1	56	47	r.bc	b	11.9
	Hythe	–	61	45	b	oh.c.b	12.0
	Littlestone	*	*	*	*	*	12.6
	Hastings	–	56	45	b	b	13.0
	Bexhill-on-Sea	1	54	46	b	b	13.0
	Eastbourne	1	57	47	bq	bq	12.8
	Seaford	–	54	47	b	b	12.4
	Brighton	–	55	46	c.bc	bc	12.5
	Worthing	–	57	44	bc	bc	12.5
	Littlehampton	–	*	*	*	*	12.0
	Bognor	–	–	–	bcp	bcp	12.7
	Southsea	1	56	46	bcp	h.bc	12.7
	Ryde	–	56	46	bc	bc	12.0
	Ventnor	–	55	44	*	*	12.5
	Bournemouth	–	58	42	b	b	12.0
England, S.W.	Weymouth	–	56	46	b.bc	bc	12.0
	Exmouth	2	60	48	sp.cp	c.bc	12.2
	Teignmouth	–	56	43	bc	bc	12.0
	Torquay	–	55	44	bc	bc	12.1
	Paignton	–	56	42	bc	bc	10.3
	Falmouth	–	53	45	bcq	b	12.0
	Bude	–	52	45	c	c	9.4
	Ilfracombe	1	51	45	bc	bc.cp.o	9.0
	Weston-super-Mare	1	54	44	bp.b	bp.bc	10.2

LONDON OBSERVATIONS.

Stations.	Humidity. 3 p.m. Yesterday.	Humidity. 9 a.m. To-day.	Sunshine for Yesterday.	Temperature. In Screen. Max. (24 hours ended 9 a.m. To-day)	Temperature. In Screen. Min.	Temperature. Min. on Grass.	Rainfall.	Weather. Forenoon.	Weather. Afternoon.	Weather. Night.
	%	%	Hr.	°F.	°F.	°F.	mm.§			
Greenwich (Royal Obsy.)	55	74	12.1	58	44	39	2	b	bchp	b.o
City (Bunhill Row)	*	*	10.1	*	*	*	*	*	*	*
Westminster (St. James's Pk.)	60	76	11.5	57	46	43	–	bcp	bc	bcp.c
Camden Sq. (Brit. Rainfall)	58	72	10.5	58	45	40	1	bc	bcopk	*
Hampstead (Reservoir)	*	78	9.3	54	42	40	1	bcp	bcp	o
Richmond Park	*	*	11.6							
Kew. (See front page.)										
S. Kensington (Roof of M.O.)	71	55	11.6							

Vertical Component of Solar Radiation per square centimetre during Yesterday.

Total.	Average Rate.	Max. Rate.
1972 Joules	36.2 Milliwatts.	85.0 Milliwatts.

Additional Observations for Yesterday.

Stations.	Rainfall.	Temperature. In Screen. Max.	Temperature. In Screen. Min.	Temperature. Night Min. on Grass.	Weather. Night.	Weather. Forenoon.	Weather. Afternoon.	Sunshine for Yesterday.
	mm.§	°F.	°F.	°F.				Hr.
Dublin to 4 p.m.	6	50	39	38	bcp	q.cph	ph.o	*
Plymouth to 9 p.m.	1	54	44	39	orq	c.b	bcq	11.8
Darwen "	14	48	37	32	orh.c	u.b.c	our	4.6
Manchester "	8	50	41	*	orq	cq.bc	bc.cor	4.7
Birmingham "	4	51	40	34	o	cp	cp	9.2
Oxford to 8 p.m.	*	54	42	36	c	c	c.cpth	*
S. Kensington (Museum Grounds to 6 p.m.)	1	56	45	42	o	o.op.c	op.bcu	*

Table showing the Greenwich Times of Sunrise, Noon and Sunset for Stations in the United Kingdom To-day and To-morrow.

9th. 10th. May, 1914.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth	4.10 / 4.8	11.49 / 11.49	7.28 / 7.30
Greenwich	4.21 / 4.19	11.56 / 11.56	7.31 / 7.33
Wick	4.2 / 4.0	12.8 / 12.8	8.14 / 8.16
Valencia	5.0 / 4.58	12.37 / 12.37	8.14 / 8.16

NOTES ON YESTERDAY'S WEATHER.

At many of our northern stations the thermometer failed to reach 50°, but at a few isolated places on our south coasts it touched 60°. Rain was again experienced in most districts and thunderstorms occurred at Yarmouth and Lowestoft. A gale from the North-Westward was experienced on many parts of our coasts. Wireless reports show that as far west as the 20th meridian ships experienced fresh to strong winds from North and North-West and fair weather; to the westward of the 25th meridian the wind was Southerly.

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. Single copies 1d. at M.O. and at the bookstalls at certain Railway Termini in London.

Printed at the Meteorological Office, South Kensington, London, S.W. By Wyman & Sons Ltd., Fetter Lane, London, E.C., and Reading.

§ 1 m.m. is approximately 4 hundredths of an inch. ‡ The barometric change is expressed in half-millibars.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

Sunday, 10th May, 1914.

	STATIONS.	Yesterday Evening. Barom. Millibars at M.S.L.	Temp. °F.	Wind Direc.	Wind Force 0-12	Weather.	This Morning 7 a.m., G.M.T. Barometer. Millibars at M.S.L.	Barometer. Change in 3 hours. ‡	Temp. Dry Bulb. °F.	Temp. Change in 24 hours. °F.	Wind Direc.	Wind Force 0-12.	Direc. of Upper Cloud	Weather.	Sea 0-9.	Past 24 Hours. Rainfall. Millimetres.	Temp. Max. °F.	Temp. Min. °F.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Sunshine for Yesterday. Hours.
BRITISH ISLANDS.	Lerwick ...	1016·1	38	N	5	cq	1014·1	-3	37	0	NNW	2	N	0	1	–	38	35	o.cq	o.cqph	c.o	*
	Stornoway ...	1019·5	40	NNE	4	o	1010·4	-4	41	+5	SSE	6	S	oq	5	0·3	42	37	ophS	oph	oq	0·1
	Castlebay (Barra Isd.)	1019·0	43	E	2	o	1009·4	-4	43	+5	SE	4	–	op	5	–	44	38	op.o	o.c.o	op	1·5
	Glasgow ...	1018·4	43	NNE	1	o	1014·3	-4	38	-1	ESE	1	–	og	*	–	45	34	o	o	o	0·3
	Eskdalemuir ...	1018·1	40	NNW	2	o	1015·5	-2	34	-3	–	o	SW	o	*	–	43	29	o	o	o	2·0
	Malin Head ...	1020·0	43	NNE	2	c	1009·1	-3	42	+1	SSW	3	–	m	3	0·3	45	38	cq	ov	omd	*
	Blacksod Point	1020·9	47	W	3	omr	1013·8	-7	48	+3	NW	5	N	cmp	4	12	49	42	bov	bov.om	omr.cp	*
	Valencia ...	1023·3	49	WSW	3	ov	1016·2	+1	51	+4	W	4	W	omd	5	9	52	44	ov	ovp	omp	4·1
	Roche's Point	1022·0	52	N	3	o	1015·5	*	53	+8	W	4	–	o	4	3	55	45	c.o	c.o	r.o	*
	Birr Castle ...	1020·6	51	NW	1	c	1012·2	*	52	+9	SW	1	–	o	*	8	53	42	cp	c	or.o	8·2
	Donaghadee ...	1020·1	44	N	4	c	1013·2	-3	43	-5	SW	2	–	om	3	–	46	39	cq	c	c.om	*
	Liverpool (Bidston)	1018·5	43	W	3	o	1016·4	?	40	-3	SSE	2	–	r	2	1	49	39	oq	o.c	or	0·6
	Holyhead ...	1022·0	46	N	4	bc	1014·7	-6	45	0	S	5	–	orq	4	5	48	41	o.c.bc	bc.c.bc	o.c.or	6·4
	Pembroke (St. Ann's)	1021·0	47	NW	3	c	1016·2	-4	47	+2	SSW	7	–	orqm	6	8	50	43	cq.c	c	c	7·3
	Newquay ...	1019·8	48	NNW	2	bc	1019·5	-2	48	+1	SW	4	–	odm	4	2	49	45	b.p	bov	c.op	5·8
	Scilly (St. Mary's)	1022·9	50	NW	4	bc	1021·1	-3	49	+1	W	5	W	odm	5	Trace	53	46	bcq	bc	bc.omd	11·1
	Jersey (St. Aubin)	1019·0	52	NW	3	bc	1022·9	*	49	0	WSW	3	W	o	2	–	54	42	o	bc	b.o	2·9
	Portland Bill ...	1018·1	49	NNW	5	c	1020·6	-2	49	+1	WSW	5	W	op	4	–	54	44	c	c	c.bc	*
	Dungeness ...	1015·9	49	NNW	4	c	1019·9	+2	44	-4	WNW	3	W	o	3	–	52	38	bc.o	o.bc	c.b.bc	*
	Dover ...	1014·5	46	NNW	5	c	1019·3	*	46	-3	WNW	3	–	bc	2	Trace	52	38	bc.c.b	bc.o.c	cq.bc	3·8
	Wick ...	1018·2	39	NW	5	o	1012·7	-3	40	+3	NW	1	NW	bc	3	Trace	41	34	oq.ops	cq.om	om.bc	*
	Nairn ...	1018·5	41	NNE	2	cu	1013·1	*	44	+7	E	2	–	c	2	1	44	32	ph.c	ph.c	cq	0·4
	Aberdeen ...	1017·0	40	NNW	3	c	1014·9	-3	41	+2	SW	2	–	b	2	1	43	36	oqp	o.c	c.b	0·8
	Leith ...	1017·4	44	NNW	2	o	1014·4	-3	40	-2	ENE	1	SW	c	*	–	46	34	o	o	c	*
	North Shields ...	1018·2	42	NNW	3	og	1017·5	?-2	40	-2	SW	3	–	om	6	0·3	45	30	bcq	og	om	1·1
	Spurn Head ...	1015·2	45	N	6	bc	1016·9	0	44	-2	W	2	–	c	5	Trace	?48	40	bcqp.o	bcq	cq	3·1
	Yarmouth ...	1014·5	46	NW	5	bcqp	1018·4	0	43	-3	W	2	W	bc	1	0·3	53	40	bcp	bcqp	bc	3·8
	Clacton-on-Sea	1015·2	46	NW	4	c	1018·3	0	42	-6	W	3	NW	c	2	6	52	38	cp.o	o.cp	c.bc	2·8
	Nottingham ...	1017·5	46	NNW	2	o	1018·2	*	40	-4	W	3	W	c	*	–	47	34	o.om	om	o.c	0·1
	Bath ...	1019·3	49	N	2	o	1019·6	*	42	-6	W	1	SW	r	*	Trace	53	34	q.o.c	c.o	o.c.bcr	?
	London (Kew Obsy.)	1018·0	47	NNW	2	o	1020·6	0	44	-3	WNW	2	NW	o	*	–	49	38	o	o	o.bc.o	0·1
ICELAND, FAEROE, &c.	Spitzbergen ...	1007·4	9	–	0	b	1004·6	-1	10	+6	NE	3	–	b	*	*	10	-2				
	Isafjord ...	1012·0	37	–	0	S	1008·6	+2	38	+10	SE	5	–	c	*	*	*	*				
	Reykjavik ...	1010·0	40	SE	8	r	1003·5	0	39	+7	E	7	–	o	*	*	*	*				
	Vestmanna ...	1011·3	40	SE	7	o	1000·0	-1	39	+3	E	9	–	bc	2	*	*	*				
	Seydisfjord ...	1017·5	46	W	1	b	1010·9	-2	33	+9	–	0	–	S	*	*	*	*				
	Thorshavn ...	1019·7	43	NNE	1	b	1013·0	-3	37	+5	ESE	3	–	c	*	*	*	*				
NORTHERN EUROPE.	Vardö ...	1003·5	36	SE	2	b	998·4	-4	41	+4	SSE	1	S	b	2	*	41	32				
	Bodö ...	1004·8	32	SW	1	bc	998·7	-1	32	-7	W	1	W	b	1	?	41	28				
	Christiansund	1008·8	39	NE	2	o	1009·0	0	32	-7	SW	1	–	o	4	3	39	32				
	Skudesnaes ..	1001·2	41	NNW	6	o	1004·6	+1	41	-4	NNW	7	–	b	4	–	45	37				
	Færder (X'iania Fjord)	998·3	46	SW	4	c	1003·4	+4	39	-7	NNE	6	–	o	2	1	48	34				
	The Scaw (Skagen)	1001·2	54	W	1	b	1000·0	+3	46	0	NNE	2	–	r	*	15	54	43				
	Blaavands Huk	1003·8	50	WNW	1	bc	1009·0	+3	43	0	WNW	5	–	o	5	2	54	39				
	Haparanda ...	1003·3	41	ESE	2	c	991·7	-4	37	0	SW	2	–	o	*	5	43	37				
	Hernösand ...	999·8	41	NE	2	f	998·3	+3	37	0	NW	6	–	c	*	10	43	?32				
	Stockholm ...	1001·6	48	SW	2	o	999·3	0	48	-4	WNW	4	–	c	*	0·3	59	39				
	Wisby ...	1004·0	48	WSW	4	b	1002·0	0	43	-7	NW	2	–	r	*	0·3	54	41				
	Karlstad ...	999·5	48	SW	4	bc	1001·9	+3	41	-5	SSW	6	–	bc	*	–	52	39				
	St. Petersburg	1006·4	55	ESE	1	o	1005·6	+5	52	-2	S	1	–	r	*	2	*	?				
CENTRAL EUROPE.	Berlin ...	1006·4	58	S	3	c	1011·7	+4	50	-4	W	4	SW	o	*	–	61	46				
	Frankfurt ...	1011·7	54	SW	3	c	1016·0	+3	48	0	–	0	W	o	*	–	57	43				
	Munich ...	1014·7	43	NW	4	r	1017·1	+1	39	-11	N	2	–	r	*	10	52	37				
	Vienna ...	1008·4	57	W	4	r	1012·6	+2	50	-2	W	2	–	o	*	?	70	50				
	Cuxhaven ...	1006·9	50	W	3	c	1012·3	+5	46	-4	NW	4	W	bq	2	1	54	43				
	The Helder ...	1009·7	50	NW	5	o	1016·6	+2	45	-3	NW	4	–	c	4	1	52	45				
	Brussels ...	*	*	*	*	*	1019·7	+4	45	-1	WNW	1	–	o	*	3	56	33				
FRANCE.	C. Gris Nez ...	1015·8	48	NW	6	o	1019·9	+1	47	-1	W	4	*	o	3	0·3	55	43				
	La Hève ...	1017·6	48	N	4	o	1021·3	*	47	-1	NW	3	*	c	3	–	50	45				
	Ushant ...	1025·1	52	N	5	c	1025·0	*	51	-1	WNW	3	*	c	3	–	54	46				
	Brest (St. Mathieu)	1023·4	50	NW	4	bc	1024·8	+1	50	0	NW	4	*	o	3	–	55	48				
	Rochefort (Ile d'Aix)	1018·6	55	NW	5	c	1024·7	+4	50	+2	NNW	5	*	c	*	–	57	48				
	Biarritz ...	1020·6	55	NNW	4	c	1025·5	+2	53	+3	NNE	5	*	c	4	2	55	48				
	Paris ...	1015·7	50	NNW	3	o	1021·5	+2	46	-2	–	0	–	o	*	1	59	45				
	Belfort ...	1016·2	45	WSW	3	o	1018·7	*	41	-5	WSW	3	*	o	*	?	56	40				
	Lyons ...	1016·6	44	N	2	r	1018·3	*	45	-1	NNW	4	*	o	*	15	49	31				
	Nice ...	1006·9	56	E	1	r	1006·7	+1	47	-8	E	2	*	c	4	8	61	46				
	Perpignan ..	1014·9	48	WNW	4	o	1020·6	+6	50	0	NW	4	NW	o	*	6	57	48				
	Sanguinaire ...	*					*	*					*									
SOUTHERN EUROPE.	Corunna (7 a.m.)	1023·5	55	NNW	2	b	1030·3	+2	54	+2	ESE	2	–	o	5	1	55	46				
	Madrid (8 a.m.) ...	1017·6	52	NNE	5	o	1028·6	+3	46	+3	S	2	–	b	*	0·3	55	36				
	Lisbon (9 a.m.)	1024·6	57	WNW	6	b	1027·9	+2	54	0	NNW	3	–	b	5	–	61	52				
	Gibraltar ...							*														
	Rome ...	1015·4	61	E	1	r	1012·3	+1	63	0	ENE	1	–	r	*	16	72	59				
	Azores (Horta, 8 a.m.)	1034·3	*	SSW	4	c	1033·2	+1	58	+3	WSW	1	NW	bc	1	–	66	55				
	Madeira (Funchal)	1029·1	63	NE	3	bc	1028·3	0	61	-2	NE	3	E	bc	3	–	68	61				

GALES.

Duration and Extreme Force in British Islands.

Lerwick
9th 7 a.m.-Noon N 9.

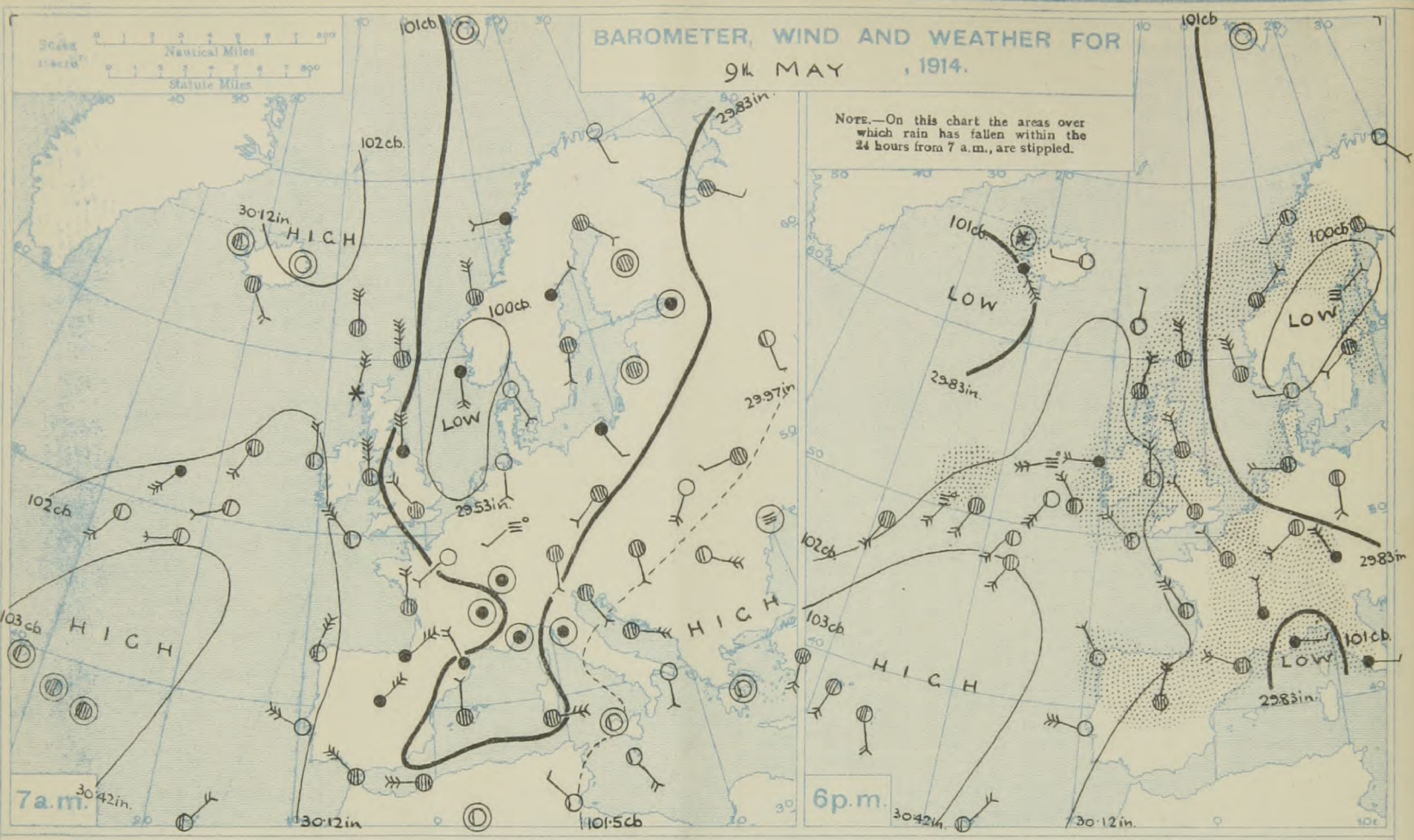
Malin Head
9th 7 a.m.-9 a.m N 8

Donaghadee
9th 7 a.m.-8 a.m N 8

Aberdeen
9th 9 a.m Sq. NNW 19 met. per sec

Spurn Head
9th 1 a.m.-Noon N 8.

* Information for these columns not usually received. † Received too late for insertion in Charts. ‡ The barometric change is expressed in half-millibars.



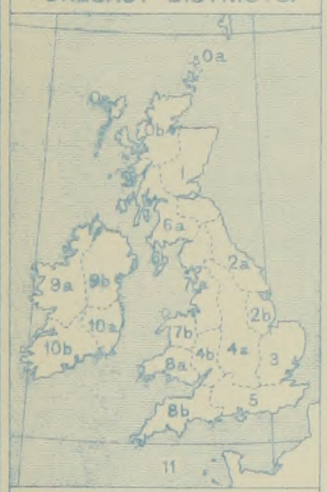
PILOT BALLOON ASCENTS for the PAST WEEK.

Component Velocities to East and to North in Metres per Second.

			Comp. to E.	Comp to N	Comp to E.	Comp. to N.	Comp to E.	Comp to N	Comp to E.	Comp to N.	Comp to E.	Comp to N.	Comp to E.	Comp to N.	Comp to E	Comp to N.
	Station		Aberdeen		Aberdeen.		S. Farnborough		Aberdeen		Eskdalemuir		Aberdeen.		S. Farnborough	
1	Date & Hour.		4th	8h.	5th	8h.	5th	11h.	6th	8h	7th	7h	7th	8h.	8th	7h.
2 a	Heights in Kilometres															
2 b																
3																
4 a		4													+20	+8
4 b		3													+18	+3
5		2			+1	+1									+13	-1
		1	+15	0	+15	+2	+14	+3	+6	-5	-5	0	-2	+2	+15	0
6 a		0.5	+10	+2	+7	+7	+13	+7	+6	-6	-5	-2	-3	0	+13	+2
6 b		0	+1	+1	+1	+4	+5	+2	+3	-2	-3	-3	0	0	+6	+3
7 a	Station															
7 b	Date & Hour															
8 a	Heights in Kilometres															
8 b																
9 a																
9 b																
10 a																
10 b																
11	Western Channel and Bay.															

Millibars: 1050, 1040, 1030, 1020, 1010, 1000, 990, 980, 970

FORECAST DISTRICTS.



STORM WARNINGS.

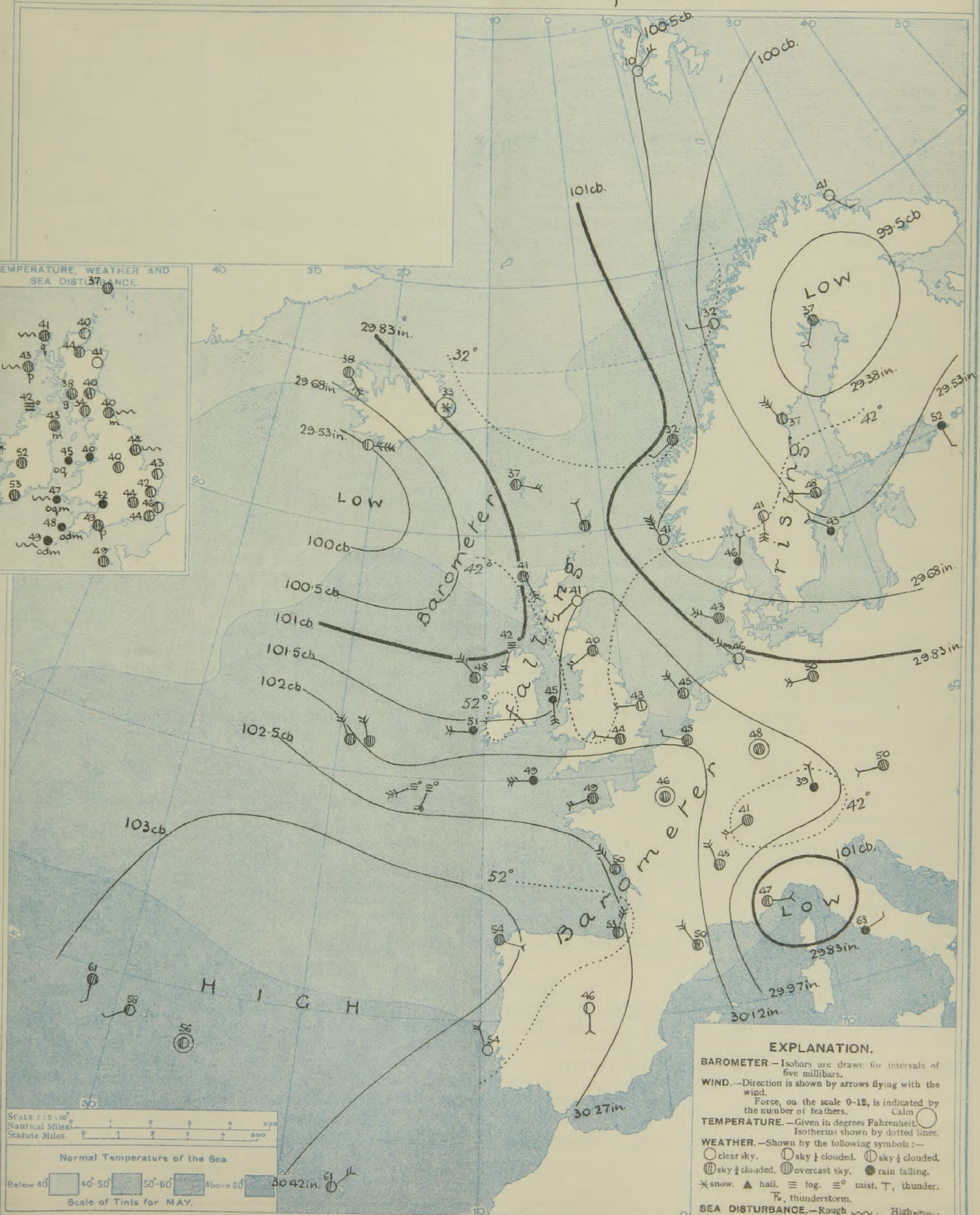
The Coasts upon which the Warning Signals are at present displayed are indicated thus:—

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

NO WARNINGS ISSUED.

FURTHER OUTLOOK.

SYNOPTIC CHART FOR 7 a.m., Sunday, 10TH MAY, 1914.



DAILY WEATHER REPORT. Sunday, 10th May, 1914.

OBSERVATIONS from the ATLANTIC OCEAN received by RADIOTELEGRAPHY.

Date and Hour.	Position. Lat. N.	Position. Long. W.	Name of Ship.	O = Outward. H = Homeward.	Barometer. Reading.	Barometer. Change in 3 hours.	Wind. Direc.	Wind. Force.	Weather.
	°	°			mb.	‡		(0–12).	
9th, 6 p.m.	49	21	Merion	O	1024·0	-3	SW	4-5	O
" "	50	20	Cedric	O	1026·4	-1	SW	4-5	O
" "	53	18	Caledonia	H	1018·9	-3	WSW	6-7	m
" "	49	17	Minneapolis	H	1030·5	-1	SW	4-5	bc
" "	48	17	Vaderland	H	1027·7	-1	SW	4-5	c
" "	51	13	Ascania	O	1020·3	-5	SW	6-7	O
" "	51	12	Calgarian	O	1025·0	-1	NW	4-5	c

Date and Hour.	Position. Lat. N.	Position. Long. W.	Name of Ship	O = Outward. H = Homeward.	Barometer. Reading.	Barometer. Change in 3 hours.	Wind. Direc.	Wind. Force.	Weather.
	°	°			mb.	‡		(0–12).	
9th, 6 p.m.	50	12	Lake Michigan	O	1024·7	-1	WNW	1-3	b
" 7 a.m.	49	27	Teutonic	H	1023·7	0	SW	4-5	bc
" "	52	22	Caledonia	H	1024·4	-5	SW	6-7	r
" "	48	22	Vaderland	H	1029·4	-1	WSW	1-3	O
" "	48	21	Minneapolis	H	1031·1	-1	WSW	4-5	bc
" "	50	18	Merion	O	1027·1	-1	WSW	4-5	c
" "	54	17	Lake Manitoba	O	1019·3	-6	SSW	4-5	O

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

	Stations.	Rainfall.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 6 p.m.
		mm.§	°F.	°F.			Hr.
Scotland	Oban						
	St. Andrews						
	Cornoushie	12	46	39	c*	c*	7·4
Eng. N.E.	Harrogate	1	45	39	o c.	c bc c.	0·8
	Scarborough	*					
	Skegness	1	48	43	op	u.c.	1·3
Eng. N.W.	Douglas (I. of M.)						
	Morecambe	–	50	43	o	bc	2·0
	Blackpool						
	Southport	2	49	42	c bc.	bc c.	3·2
Midlands	Buxton	13	46	37	cr. o	bc	0·1
	Leamington Spa	1	47	44	o	o	0·0
	Malvern	–	49	43	c	c	1·0
Wales	Rhyl						
	Colwyn Bay						
	Llandudno						
	Aberystwyth	5	47	42	r o c.	c bc	4·3
	Tenby	3	53	44	bc	bc	6·9
England, E.	Lowestoft	–	51	38	o	o	2·0
	Felixstowe	1	53	45	bcqp	bcqp	4·5
	Walton-on-Naze	1	54	40	cq o.	cq ogu	4·5
	Southend-on-Sea	–	51	46	o bc	o	0·8

	Stations.	Rainfall.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 6 p.m.
		mm.§	°F.	°F.			Hr.
England, S.E.	Margate	–	51	44	c bc.	c	2·4
	Ramsgate	–	53	43	o	o	3·1
	Folkestone	–	52	45	o	o	2·5
	Hythe	–	53	42	b	o cp	3·7
	Littlestone	*	*	*	*	*	1·6
	Hastings	1	51	44	or c o	o	0·5
	Bexhill-on-Sea	2	52	44	o	o	1·5
	Eastbourne	1	52	45	o bc	o	0·5
	Seaford	–	52	46	c	o	0·5
	Brighton	1	53	46	o c	c o.	1·5
	Worthing	–	53	45	c	c o	1·0
	Littlehampton	trace	*	*	*	*	1·4
	Bognor	–	*	*	vc. o.	o	1·8
	Southsea						
	Ryde						
	Ventnor				*	*	
	Bournemouth	1	55	44	c o	c o.	3·0
England, S.W.	Weymouth	1	56	45	bc	bc c.	5·4
	Exmouth						
	Teignmouth	–	54	46	c bc	bc	6·3
	Torquay	–	52	46	c bc.	b	7·0
	Paignton	–	54	45	c bc.	b	9·0†
	Falmouth	–	51	46	bq	bcq	8·4
	Bude						
	Ilfracombe	1	51	46	bc	bc	7·5
	Weston-super-Mare						

† To sunset.

LONDON OBSERVATIONS.

Stations.	Humidity. 3 p.m. Yesterday.	Humidity. 9 a.m. To-day.	Sunshine for Yesterday.	Temperature. In Screen. Max.	Temperature. In Screen. Min.	Temperature. Min. on Grass.	Rainfall.	Weather. Forenoon.	Weather. Afternoon.	Weather. Night.
				24 Hours ended 9 a.m. To-day.						
	%	%	Hr.	°F.	°F.	°F.	mm.§			
Greenwich (Royal Obsy.)	78	67	0·0	48	39	30	–	o	o c o d	o
City (Bunhill Row)	*	*	0·0	*	*	*	*	*	*	*
Westminster (St. James's Pk.)	73	70	0·0	49	39	35	–	o c. o	o e m	o d. r
Camden Sq. (Brit. Rainfall)	68	63	0·0	54	40	34	–	o	o	*
Hampstead (Reservoir)	*	70	0·0	51	41	31	–	o	o	o or
Richmond Park	*	*								
Kew. (See front page.)										
S. Kensington (Roof of M.O.)	73	68	0·0							

Vertical Component of Solar Radiation per square centimetre during Yesterday.

Total.	Average Rate.	Max. Rate.
420 Joules	7·7 Milliwatts.	26·5 Milliwatts.

Additional Observations for Yesterday.

Stations.	Rainfall.	Temperature. In Screen. Max.	Temperature. In Screen. Min.	Temperature. Night Min. on Grass.	Weather. Night.	Weather. Forenoon.	Weather. Afternoon.	Sunshine for Yesterday.
	mm.§	°F.	°F.	°F.				Hr.
Dublin to 4 p.m.	trace	49	40	38	c b	bc	c	*
Plymouth to 9 p.m.	–	52	45	38	bc	c bq	bcq	7·6
Darwen "	1	46	38	39	ou r	oub p	bc ou	1·3
Manchester "	1	49	42	*	or	o	o c	1·0
Birmingham "	2	47	40	40	r	o	o	0·1
Oxford to 8 p.m.	*	48	45	42	c bc c o	o	o	*
S. Kensington (Museum Grounds to 6 p.m.)	–	54	46	43	o	o	o	*

Table showing the Greenwich Times of Sunrise, Noon and Sunset for Stations in the United Kingdom To-day and To-morrow.

10th & 11th May, 1914.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth	4·8	11·49	7·30
	4·6	11·49	7·32
Greenwich	4·19	11·56	7·33
	4·17	11·56	7·35
Wick	4·0	12·8	8·16
	3·57	12·8	8·19
Valencia	4·58	12·37	8·16
	4·56	12·37	8·18

NOTES ON YESTERDAY'S WEATHER.

Over the greater part of our northern, eastern and central districts the thermometer failed to reach 50° and at many of the Scottish stations it failed to reach 45°. The amount of bright sunshine was generally small, and showers fell in many localities. A fresh to strong gale from the Northward was experienced on several parts of our northern coasts. Wireless reports show that between the 15th and the 27th meridians ships encountered moderate to fresh breezes from the South-Westward and changeable weather, rain in places.

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. Single copies 1d. at M.O. and at the bookstalls at certain Railway Termini in London.

Printed at the Meteorological Office, South Kensington, London, S.W. By Wyman & Sons Ltd., Fetter Lane, London, E.C., and Reading.

§ 1 m.m. is approximately 4 hundredths of an inch. ‡ The barometric change is expressed in half-millibars.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

Monday, 11th May, 1914.

	STATIONS.	YESTERDAY EVENING. Barom. Millibars at M.S.L.	Temp. °F.	Wind. Direc.	Wind. Force 0-12.	Weather.	THIS MORNING 7 A.M., G.M.T. Barometer. Millibars at M.S.L.	Barometer. Change in 3 hours. ‡	Temp. Dry Bulb. °F.	Temp. Change in 24 hours. °F.	Wind. Direc.	Wind. Force 0-12.	Direc. of Upper Cloud	Weather.	Sea 0-9.	PAST 24 HOURS. Rainfall. Millimetres.	Temp. Max. °F.	Temp. Min. °F.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Sunshine for Yesterday. Hours.
BRITISH ISLANDS.	Lerwick ...	1009·9	41	ESE	3	c	1010·7	+5	44	+4	ESE	4	SE	c	4	0·3	41	36	o c	c	c	*
	Stornoway ...	1007·7	46	WNW	6	cq	1009·8	+6	42	+1	NNE	3	NW	bc	3	T	51	37	or cqhp	bcqp	c bcp	5·5
	Castlebay (Barra Isd.)	1011·3	47	W	4	c	1009·6	+2	44	+1	NW	4	NW	bc	4	3	50	41	op b	bc	c op bc	6·0
	Glasgow ...	1011·1	49	W	5	c	1010·1	0	39	−1	SW	2	W	c	*	3	50	38	od	odp bc	b orsb	3·0
	Eskdalemuir ...	1010·9	47	WNW	6	b	1010·8	−1	41	+7	SW	4	W	o	*	1	49	34	o	od o c	bc cr o	2·9
	Malin Head ...	1014·1	48	NW	5	bc	1010·4	0	43	+1	W	3	NW	r	3	5	50	39	cq	bcqp	cmr	*
	Blacksod Point	1018·7	48	WNW	4	cp	1014·4	−1	45	−3	WNW	6	NW	cqp	4	2	52	42	cmp bc	bcq cp	cqp	*
	Valencia ...	1020·6	50	NW	3	om	1019·6	−1	48	−3	WNW	4	NW	op	4	0·3	53	46	c	c	cp	3·2
	Roche's Point	1019·3	51	N	4	o	1018·9	*	47	−6	W	4	–	o	3	–	56	46	og	o	o c o	*
	Birr Castle ...	1017·6	50	NW	2	c	1014·9	*	46	−6	SW	1	W	c	*	trace	54	42	cp	c	c cp	1·9
	Donaghadee ...	1014·7	51	NNW	4	bcq	1012·7	−2	44	+1	W	4	W	bc	3	–	54	40	cq	bcq	bc	*
	Liverpool (Bidston)	1014·2	49	W	4	o	1013·7	−3	46	+6	WSW	4	NW	o	4	2	51	40	or	o c	o	0·2
	Holyhead ...	1016·2	51	NW	3	cz	1015·9	−1	47	+2	W	5	W	ogq	4	3	54	44	r df c o	c o c	c o c o	1·7
	Pembroke (St. Ann's)	1017·3	50	WNW	3	c	1017·8	0	47	0	W	3	W	c	3	4	53	46	cqm	c	c	1·1
	Newquay ...	1017·8	51	SW	3	o	1018·5	+2	49	+1	W	3	–	o	4	4	52	47	opm	o opm o	o	0·0
	Scilly (St. Mary's)	1019·2	52	WNW	5	om	1019·9	+1	49	0	NW	3	NW	c	4	0·3	53	46	omd	om	om c cm	0·0
	Jersey (St. Aubin)	1020·0	51	WSW	6	omd	1019·0	*	51	+2	WSW	4	W	o	6	3	54	48	op oq	op omd	omd om	0·7
	Portland Bill ...	1015·6	53	W	4	c	1018·1	0	51	+2	ENE	1	W	c	3	3	53	46	cr	cr bc	c o c	*
	Dungeness ...	1015·9	40	SW	5	oqp	1016·6	+2	48	+4	NW	2	NW	o	2	2	51	43	bcqp	oqp	op bc o	*
	Dover	1014·9	48	SW	5	or	1015·5	*	49	+3	NW	4	–	c	2	3	51	44	c o	od r	r o bc c	0·8
	Wick	1006·8	47	NW	2	c	1006·9	+3	42	+2	WSW	2	W	bc	2	2	48	36	bc omp	omp bc	bcp bc	*
	Nairn	1008·0	49	WNW	3	bc	1008·2	*	42	−2	WNW	2	–	bc	2	1	52	35	bcq	qp bc	cq	5·4
	Aberdeen ...	1008·5	47	SSW	1	bc	1008·6	+1	42	+1	W	1	–	o	2	2	49	37	b bc o	o cp bc	bc b o	5·6
	Leith	1009·1	51	WNW	2	o	1009·2	0	45	+5	WSW	3	W	bc	*	–	52	40	o	o c	bc b	*
	North Shields ...	1011·9	51	NW	3	om	1012·1	−1	46	+6	WSW	3	SW	bm	4	–	51	40	om	om	bcm	0·7
	Spurn Head ...	1011·1	51	SSW	4	o	1012·1	0	47	+3	WNW	5	W	bc	4	–	52	46	c	o	o	0·4
	Yarmouth ...	1014·6	49	S	3	o	1014·3	+1	45	+2	W	2	W	cm	1	–	51	40	bc c	c o	o cm	3·0
	Clacton-on-Sea	1014·2	50	SSW	3	o	1015·6	+3	46	+4	W	3	NW	c	2	1	51	41	c o	opd	ogp c	1·6
	Nottingham ...	1012·7	50	W	3	o	1014·8	*	45	+5	W	2	W	cm	*	1	51	37	c odm	opm	o c b	0·0
	Bath	1014·9	56	W	2	o	1017·6	*	48	+6	WNW	1	NW	o	*	0·3	58	41	r og	pd o	o c	0·2
	London (Kew Obsy.)	1013·8	52	SW	2	om	1016·6	+2	48	+4	WSW	2	–	om	*	1	53	43	or od	od r om	om o	0·7
ICELAND, FAEROE, &c.	Spitzbergen ...	1002·6	13	ENE	5	c	1001·6	0	16	+6	ENE	6	–	o	*	*	16	7				
	Isafjord... ...	1015·8	39	NE	3	b	1023·7	+5	37	−1	S	3	–	c	*	*	*	*				
	Reykjavik ...	1012·4	46	NNE	4	bc	1023·4	+2	37	−2	–	0	–	c	*	*	*	*				
	Vestmanna ...	1000·0	45	–	0	bc	1022·7	+3	41	+2	–	0	–	b	1	*	*	*				
	Seydisfjord ...	1013·3	46	NE	3	c	1020·2	+3	37	+4	W	2	–	b	*	*	*	*				
	Thorshavn ...	1009·2	39	E	4	o	1017·1	+6	37	0	NE	4	–	o	*	*	*	*				
NORTHERN EUROPE.	Vardö	987·5	39	ESE	4	r	971·7	+3	37	−4	NW	9	–	r	4	*	41	36				
	Bodö	1001·1	34	NW	4	c	1001·7	0	34	+2	W	4	W	c	2	?	36	30				
	Christiansund	1009·5	41	–	0	c	1010·3	+1	37	+5	WNW	2	–	c	3	4	41	36				
	Skudesnaes ..	1009·0	41	NW	5	bc	1009·1	0	43	+11	SSE	3	–	c	2	3	46	39				
	Færder (X'iania Fjord)	1007·9	46	WSW	2	bc	1008·7	0	45	+6	SSE	2	–	c	1	–	46	39				
	The Scaw (Skagen)	1008·0	46	NW	2	o	1010·1	+2	45	−1	WNW	4	–	o	*	–	48	39				
	Blaavands Huk	1013·2	45	NW	3	o	1012·2	0	46	+3	SSW	2	–	o	3	0·3	48	41				
	Haparanda ...	991·7	39	NW	4	b	999·3	+1	39	+2	NW	6	–	b	*	–	45	32				
	Hernösand ...	1003·0	45	NW	4	b	1008·6	+1	41	+4	SW	4	W	b	*	–	48	34				
	Stockholm ...	1005·3	43	SSE	2	o	1010·0	+3	43	−5	S	2	–	o	*	0·3	52	37				
	Wisby	1005·7	48	WSW	2	o	1010·4	−3	48	+5	–	0	SW	bc	*	0·3	50	43				
	Karlstad	1006·3	48	–	0	bc	1009·7	+1	43	+2	SE	2	–	r	*	–	50	34				
	St. Petersburg	1003·4	46	W	3	r	1009·7	+4	41	−11	W	1	–	o	*	5	*	41				
CENTRAL EUROPE.	Berlin	1014·9	52	W	4	c	1017·1	0	50	0	S	2	S	b	*	0·3	57	43				
	Frankfurt... ...	1019·0	50	W	2	c	1017·9	0	46	−2	SW	3	W	m	*	–	54	43				
	Munich	1019·4	43	W	4	r	1020·8	0	45	−3	WNW	4	–	o	*	3	45	39				
	Vienna	1016·4	45	WNW	4	o	1016·4	+2	46	−4	WNW	3	–	o	*	1	59	45				
	Cuxhaven ...	1015·8	45	W	2	o	1014·3	0	45	−1	SSW	2	SW	o	0	–	48	37				
	The Helder ...	1016·2	46	SSW	1	c	1012·4	+1	50	+5	W	2	–	c	2	2	50	43				
	Brussels	*	*	*	*	*	1014·9	+2	52	+7	NW	2	–	b	*	2	54	45				
FRANCE.	C. Gris Nez ...	1015·7	46	SW	6	r	1016·3	+1	49	+2	NNW	3	*	c	3	5	50	47				
	La Hève	1018·1	49	WSW	5	r	1018·0	*	47	0	WNW	3	*	o	4	2	52	45				
	Ushant	1023·7	53	WNW	4	f	1023·7	*	50	−1	NW	4	*	f	3	1	54	46				
	Brest (St. Mathieu)	1022·9	53	WSW	4	f	1021·2	0	51	0	WNW	3	*	f	3	0·3	55	50				
	Rochefort (Ile d'Aix)	1025·5	54	WNW	4	c	1022·7	0	55	+5	WNW	4	*	o	*	–	55	48				
	Biarritz	1027·8	52	WNW	3	r	1025·1	0	53	0	SW	3	*	c	3	0·3	57	48				
	Paris	1021·2	50	W	2	r	1018·0	+1	50	+4	SW	1	–	r	*	5	57	46				
	Belfort	1022·0	45	W	4	o	1022·1	*	43	+2	WSW	6	*	o	*	–	50	41				
	Lyons	1023·1	47	NNW	1	o	1023·8	*	45	0	–	0	*	o	*	2	54	43				
	Nice	1010·7	53	W	4	c	1013·7	+3	59	+12	–	0	*	b	3	–	59	45				
	Perpignan ..	1023·0	57	NW	5	bc	1022·6	0	55	+5	W	4	–	b	0	–	61	34				
	Sanguinaire ...	*	54	W	6	r	*	*	57		W	2	*	o	*	–	57	50				
SOUTHERN EUROPE.	Corunna (7 a.m.)	1036·7	55	NW	1	o	1025·0	−2	48	−6	SSW	1	SE	b	3	–	64	43				
	Madrid (8 a.m.) ...	1024·4	59	–	0	bc	1024·4	0	50	−4	ENE	1	–	b	*	–	61	41				
	Lisbon (9 a.m.)	1025·3	61	WNW	5	b	1022·7	0	54	0	WNW	3	NE	b	5	–	54	50				
	Gibraltar	1023·3	60	E	3	b	1021·0	*	60		E	6	–	bc	3	–	70	54				
	Rome	1013·5	57	S	1	o	1010·9	0	54	−9	SE	1	–	o	*	T	63	54				
	Azores (Horta, 8 a.m.)	1031·9	*	SW	4	o	1030·0	+1	58	0	NNE	4	–	c	4	–	66	57				
	Madeira (Funchal)																					

Equivalents of Millibars in Inches.

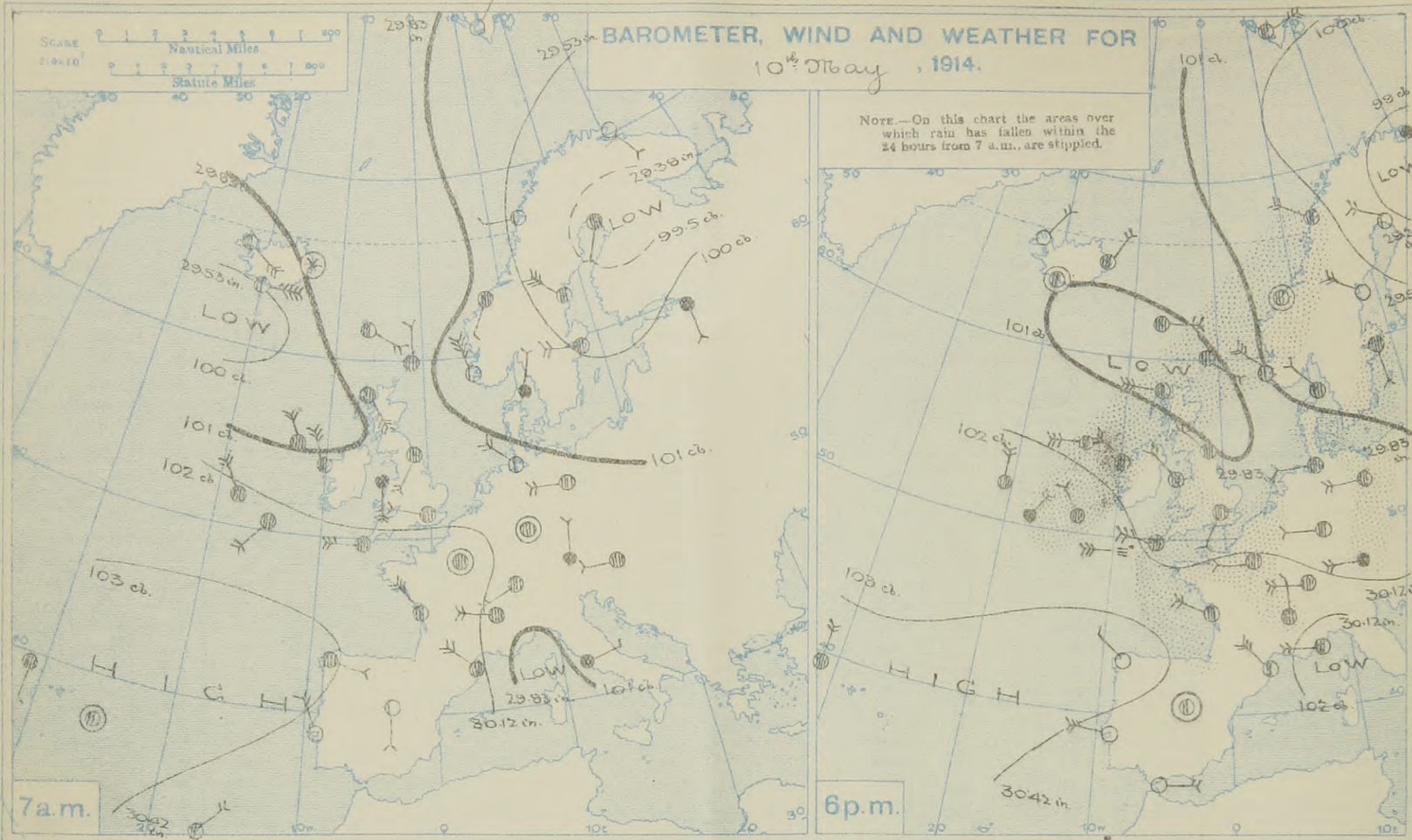
Millibars.	Inches of Mercury at 32° F. in Lat. 45.
940	27·76
950	28·05
960	28·35
970	28·65
980	28·94
990	29·24
1000	29·53
1010	29·83
1020	30·12
1030	30·42
1040	30·71
1050	31·01

1,000 millibars are equivalent to 14½ lbs. per square inch (in Lat. 45).

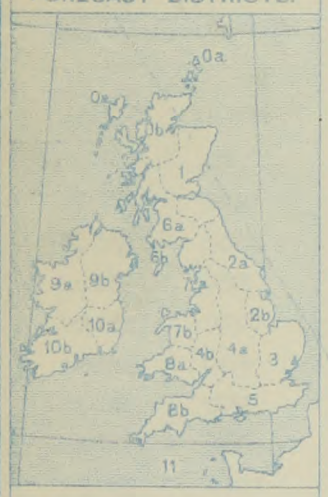
100 millibars to one pound and a half per square inch.

* Information for these columns not usually received. † Received too late for insertion in Charts. ‡ The barometric change is expressed in half-millibars.

BAROMETER, WIND AND WEATHER FOR 10th May, 1914.



FORECASTS FOR THE 24 HOURS NOON MONDAY TO NOON TUESDAY.



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.

0 a, b — Wind freshening temporarily from North-West, backing and moderating later; changeable, fair intervals, some rain; rather cool.

1, 2 a, b — Moderate or fresh winds from between North-West and South-West; considerable fair intervals, but some rain later; rather cool.

3, 4 a, b, 5 — Moderate Westerly winds; considerable fair intervals, but some rain; moderate or rather cool temperature.

6 a, b — Same as No. 0.

7 a, b — Same as Nos. 1 and 2.

8 a, b — Same as Nos. 3 to 5.

9 a, b — Same as No. 0.

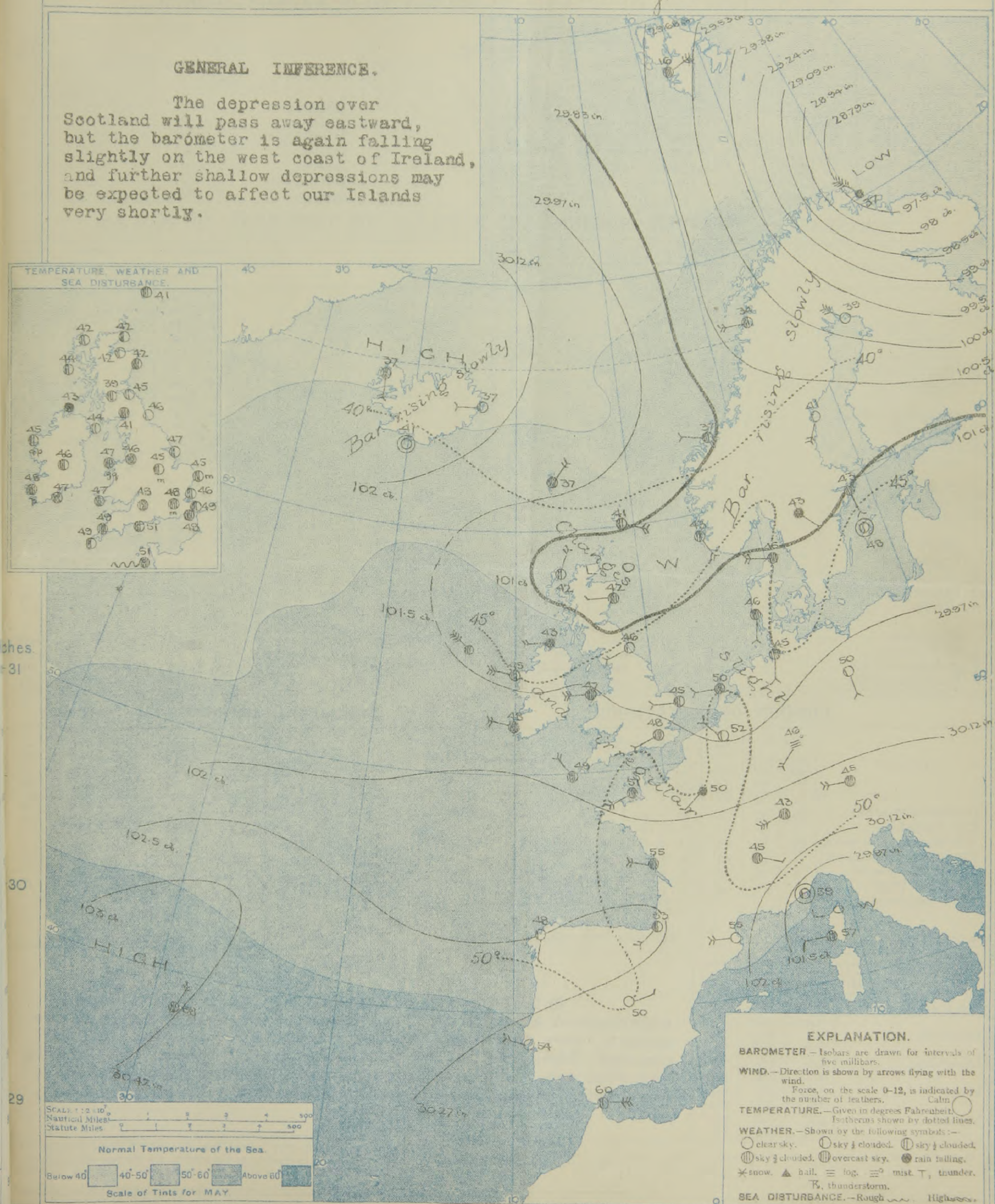
10 a, b — Moderate or fresh Westerly or South-Westerly winds; mostly cloudy, with rain at times; rather cool.

Western Channel and Bay. 11 — Moderate or fresh Westerly winds, with a moderate to rather rough sea; mostly cloudy, with some mist or fog; rather cool.

FURTHER OUTLOOK.

Millibars: 1050, 1040, 1030, 1020, 1010, 1000, 990, 980, 970

SYNOPTIC CHART FOR 7 a.m., Monday, 11th MAY, 1914.



DAILY WEATHER REPORT. Monday, 11th May, 1914.

OBSERVATIONS from the ATLANTIC OCEAN received by RADIOTELEGRAPHY.

Date and Hour.	Position. Lat. N.	Position. Long. W.	Name of Ship.	O = Outward. H = Homeward.	Barometer. Reading.	Barometer. Change in 3 hours.	Wind. Direc.	Wind. Force.	Weather.
	°	°			mb.	‡		(0-12).	
11th, 7 a.m.	54	13	Corsican	H	1015·9	-5	NW	8-9	c
10th, 6 p.m.	51	20	Ascania	O	1025·4	+2	N	4-5	o
" "	50	18	Lake Michigan	O	1021·6	-1	NE	4-5	r
" "	50	14	Lusitania	O	1023·0	+3	NW	1-3	o
" "	54	13	California	O	1021·3	+1	W	6-7	c
" "	51	12	Teutonic	H	1020·6	-5	ENE	1-3	c
" "	49	8	Vaderland	H	1021·3	-2	W	6-7	m.

Date and Hour.	Position. Lat. N.	Position. Long. W.	Name of Ship	O = Outward. H = Homeward.	Barometer. Reading.	Barometer. Change in 3 hours.	Wind. Direc.	Wind. Force.	Weather.
	°	°			mb.	‡		(0-12).	
11th, 7 a.m.	55	13	Hesperian	O	1015·2	+9	NNW	8-9	c
10th, 1 p.m.	50	10	Corinthian	O	1019·6	-12	WNW	6-7	m
" 7 a.m.	51	18	Calgarian	O	1024·7	+3	NNW	4-5	o
" "	51	17	Ascania	O	1019·6	-2	NNW	4-5	o
" "	50	17	Teutonic	H	1022·0	+1	NNW	4-5	m
" "	50	15	Lake Michigan	O	1020·0	-1	SW	4-5	o
" "	55	7	Laurentic	O	1008·4	-10	S	4-5	s

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

	Stations.	Rainfall.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 6 p.m.
		mm.§	°F.	°F.			Hr.
Scotland.	Oban						
	St. Andrews				*	*	
	Stonehaven	13	48	34	c	cr	4·9
	Carnoustie	1	47	32	*	*	3·3
Eng. N.E.	Harrogate	–	47	35	o.c.	o	0·0
	Scarborough	*	51	40	o.c.	o.c.	0·5
	Skegness	–	50	38	3c.	c.o	0·8
Eng. N.W.	Douglas (I. of M.)	7	52	37	rf	cq	3·5
	Morecambe						
	Blackpool	2	52	41	r.o	oc	0·4
	Southport	2	53	40	or·o	c.od.c.o.	0·6
Midlands.	Buxton						
	Leamington Spa	2	54	32	op	op	0·0
	Malvern	3	56	37	pc.	p.c.	0·1
Wales.	Rhyl	3	52	37	o	o	0·0
	Colwyn Bay	4	53	39	r	bc	0·0
	Llandudno	6	54	39	od	bc	0·0
	Aberystwyth	5	52	39	mr.o.	om.	0·0
	Tenby						
England, E.	Lowestoft	–	51	38	c.o	o	2·0
	Felixstowe	1	50	38	bc.c.	op	1·9
	Walton-on-Naze	–	49	38	om.o.	om.p.od	1·6
	Southend-on-Sea	–	51	39	o.bc.	oe.d	0·7

	Stations.	Rainfall.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 6 p.m.
		mm.§	°F.	°F.			Hr.
England, S.E.	Margate	–	51	41	c.o	o	0·[illegible]
	Ramsgate	–	50	38	o	o	0·6
	Folkestone	2	50	41	c.or	r	0·6
	Hythe						
	Littlestone	*	*	*	*	*	0·0
	Hastings	3	50	40	bc.o	od.	1·3
	Bexhill-on-Sea	3	51	40	or	r	1·5
	Eastbourne	5	50	41	bc.o	or	1·0
	Seaford						
	Brighton	4	52	41	c.or.	or.o	1·4
	Worthing	4	51	40	bc.or	r.o.	1·3
	Littlehampton	3	*	*	*	*	0·9
	Bognor	4	52	42	*	*	2·5
	Southsea	5	54	39			0·1
	Ryde	5	54	40	or	o.bc	0·2
	Ventnor	6	52	38	*	*	0·3
	Bournemouth	3	55	36	d.o	d.o	0·0
England, S.W.	Weymouth	4	54	39	od	cd.bc.	0·0
	Exmouth						
	Teignmouth	2	57	40	cr.p	c	0·4
	Torquay	2	56	40	o	o	0·0
	Paignton						
	Falmouth	7	55	43	rq	rq.o.	0·4
	Bude	9	53	37	r	o	0·0
	Ilfracombe	8	54	42	or.o	o	0·0
	Weston-super-Mare	4	56	40	r.bc	bc	2·5

LONDON OBSERVATIONS.

Stations.	Humidity. 3 p.m. Yesterday.	Humidity. 9 a.m. To-day.	Sunshine for Yesterday.	Temperature. In Screen. Max.	Temperature. In Screen. Min.	Temperature. Min. on Grass.	Rainfall.	Weather. Forenoon.	Weather. Afternoon.	Weather. Night.
				24 Hours ended 9 A.M. To-day.						
	%	%	Hr.	°F.	°F.	°F.	mm.§			
Greenwich (Royal Obsy.)	94	62	1·3	54	44	36	1	od	od	od.o
City (Bunhill Row)	*	*	1·0	*	*	*	*	*	*	*
Westminster (St. James's Pk.)	98	67	0·9	53	43	41	1	od	od	od.e bc
Camden Sq. (Brit. Rainfall)	–	53	0·2	54	40	34	2	*	*	*
Hampstead (Reservoir)	*	68	1·0	51	41	31	2	or	or	o.bc.
Richmond Park	*	*	0·9							
Kew. (See front page.)										
S. Kensington (Roof of M.O.)	–	62	1·0							

Vertical Component of Solar Radiation per square Centimetre during Yesterday.

Total.	Average Rate.	Max. Rate.
861 Joules	15·7 Milliwatts.	36·0 Milliwatts.

Additional Observations for Yesterday.

Stations.	Rainfall.	Temperature. In Screen. Max.	Temperature. In Screen. Min.	Temperature. Night Min. on Grass.	Weather. Night.	Weather. Forenoon.	Weather. Afternoon.	Sunshine for Yesterday.
	mm.§	°F.	°F.	°F.				Hr.
Dublin to 4 p.m.	3	54	43	42	or	o.cq	c	*
Plymouth to 9 p.m.								
Darwen "								
Manchester "				*				
Birmingham "	3	52	35	28	r	r	o	0·0
Oxford to 8 p.m.	*	56	36	30	o.c.o.	or	or.o	*
S. Kensington (Museum Grounds to 6 p.m.)	1	52	39	35	o.od	od.	od.o	*

Table showing the Greenwich Times of Sunrise, Noon and Sunset for Stations in the United Kingdom To-day and To-morrow.

11th & 12th May, 1914.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth	4·6	11·49	7·32
	4·4	11·49	7·34
Greenwich	4·17	11·56	7·35
	4·15	11·56	7·37
Wick	3·57	12·8	8·19
	3·54	12·8	8·22
Valencia	4·56	12·37	8·18
	4·54	12·37	8·20

NOTES ON YESTERDAY'S WEATHER.

Between 5 and 6 hours of bright sunshine were experienced at many Scottish stations, but over England the amounts were much smaller, and in the southern part of the country there was rather persistent rain, though the amounts reported are not conspicuously high. Temperature was cool, the maxima in most cases being but a few degrees above 50°.

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. Single copies 1d. at M.O. and at the bookstalls at certain Railway Termini in London.

Printed at the Meteorological Office, South Kensington, London, S.W. By Wyman & Sons Ltd., Fetter Lane, London, E.C., and Reading.

§ 1 m.m. is approximately 4 hundredths of an inch. ‡ The barometric change is expressed in half-millibars.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

Tuesday, 12th May, 1914.

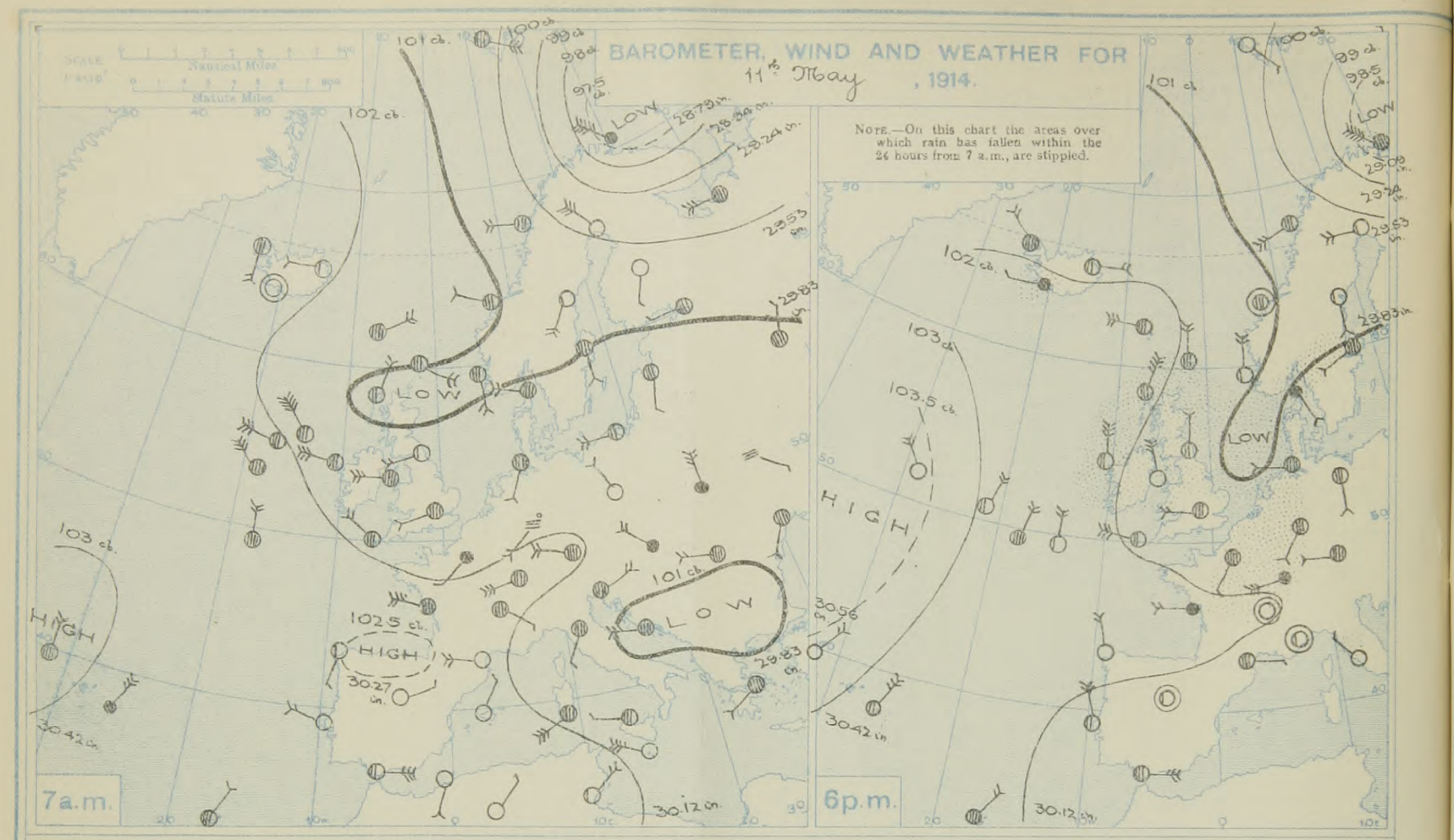
	STATIONS.	YESTERDAY EVENING. Barom. Millibars at M.S.L.	Temp. °F.	Wind. Direc.	Wind. Force 0-12.	Weather.	THIS MORNING 7 A.M., G.M.T. Barometer. Millibars at M.S.L.	Barometer. Change in 3 hours. ‡	Temp. Dry Bulb. °F.	Temp. Change in 24 hours. °F.	Wind. Direc.	Wind. Force 0-12.	Direc. of Upper Cloud	Weather.	Sea 0-9.	LAST 24 HOURS. Rainfall. Millimetres.	Temp. Max. °F.	Temp. Min. °F.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Sunshine for Yesterday. Hours.
BRITISH ISLANDS.	Lerwick ...	1019·0	42	N	4	c	1017·5	0	43	+2	NNW	1	–	bc	1	5	45	33	cpq	cp	or·bc	*
	Stornoway ...	1021·8	44	NNE	7	cq	1023·7	−2	44	+2	WSW	4	W	c	4	trace	46	38	cq	cq	cq	5·3
	Castlebay (Barra Isd.)	1020·4	46	N	5	cq	1025·1	0	44	0	W	3	–	c	3	1	48	40	bcp	bcp·c	c·bc	9·5
	Glasgow ...	1014·6	43	ENE	3	bc	1024·7	+3	40	+1	WNW	1	N	bc	*	3	53	35	pqc·bc	ct·phr	c·bc·bx	6·9
	Eskdalemuir ...	1013·5	43	N	4	c	1024·6	+4	38	−3	NNW	3	N	bc	*	3	46	32	bcp	cp·rh·c	cp·bc	3·9
	Malin Head ...	1016·9	46	N	7	bc	1026·4	+2	43	0	NNE	4	N	c	4	2	48	40	cq	bcqp	cv	*
	Blacksod Point	1021·7	48	N	6	bcqp	1024·6	+3	46	+1	NNW	3	N	bcq	3	1	52	42	cqp·cp	bcqp	bcp	*
	Valencia ...	1021·7	49	NNW	5	cv	1028·8	+3	47	−1	NE	1	NE	bc	3	2	53	42	bcp·v	cp·v	cr	10·9
	Roche's Point	1018·6	52	NNW	5	c	1026·7	*	45	−2	N	3	NE	b	2	1	54	42	cqp·bc	cpq	c·bc·b	*
	Birr Castle ...	1017·3	52	NW	3	c	1027·1	*	41	−5	NNW	1	N	c	*	2	55	37	cph	cqph	c	9·6
	Donaghadee ...	1015·3	48	N	5	bc	1026·0	+4	43	−1	N	2	N	bc	2	–	51	42	bc	bc	cq·bc	*
	Liverpool (Bidston)	1013·2	47	W	3	bc	1023·9	+5	43	−3	N	2	–	b	2	2	50	40	bcp	bcp	c·b.	7·1
	Holyhead ...	1015·4	48	NNW	5	bq	1025·6	+5	46	−1	NE	4	NE	b	4	0·3	53	44	cp·cp·c	cp·c·bc	cp·bc	7·7
	Pembroke (St. Ann's)	1015·6	46	NW	4	bc	1023·7	+4	47	0	NNE	2	N	c	3	2	50	43	c	c	cqp	5·2
	Newquay ...	1016·0	51	W	5	b	1022·9	+5	49	0	N	4		bc	5	–	52	47	o	b	bcv	6·3
	Scilly (St. Mary's)	1018·2	52	WNW	6	bcq	1023·7	+4	48	−1	N	4	N	bcv	5	–	55	45	c·o	c·bc	bcv	5·5
	Jersey (St. Aubin)	1017·8	52	WNW	4	c	1021·1	*	49	−2	NW	3	NW	bc	3	–	55	46	om·c	c	c·bc	1·8
	Portland Bill ...	1015·6	51	WSW	5	bc	1020·7	+5	46	−5	N	4	N	bc	3	2	56	44	c·bc	c·bc	cr·bc	*
	Dungeness ...	1014·5	52	SW	3	o	1017·6	+4	47	−1	NNW	3	N	c	2	1	56	40	o·c	c·o	op·c	*
	Dover ...	1013·5	50	SSW	3	o	1017·6	*	49	0	NW	5	–	c	3	trace	55	40	bc·c	c·bc·o	oc·bc	5·7
	Wick ...	1018·5	44	NE	5	bc	1020·8	−1	43	+1	NW	5	–	bc	4	0·3	47	31	bc·omr	bcp	c·bc	*
	Nairn ...	1017·5	46	NE	5	bcqm	1023·2	*	42	0	–	0	–	bc	2	0·3	50	33	r·bc	bcq	pq·c	6·9
	Aberdeen ...	1015·4	44	NNE	4	o	1022·1	+1	42	0	WNW	4	–	b	2	b	51	35	bc·dp	dp·c	c·bc·b	2·6
	Leith ...	1014·2	46	ENE	1	bc	1023·8	+5	41	−4	WNW	2	–	b	*	2	53	39	cp	or·bc	cp	*
	North Shields ...	1013·2	45	N	2	bcp	1023·2	+5	41	−5	NNW	5	NW	bcq	6	7	55	39	bc	bcp	bcqp	
	Spurn Head ...	1012·1	48	NW	2	o	1018·3	+7	46	−1	NNE	6	N	bcqp·v	5	1	52	42	cq	cp·o	cp·bc	4·5
	Yarmouth ...	1012·9	53	SW	2	bc	1016·4	+3	47	+2	N	2	N	c	2	7	55	43	o	o·bc	or·c	3·9
	Clacton-on-Sea	1013·2	55	WSW	3	bc	1016·9	+6	46	0	NW	3	N	bc	2	–	55	40	c·o	o·c·bc	bc	4·6
	Nottingham ...	1013·0	46	W	2	c	1021·4	*	45	0	N	5	N	bc	*	1	55	40	cm	c·opm	om·c	3·8
	Bath ...	1014·5	53	W	4	bc	1022·7	*	44	−4	N	3	NE	o	*	2	56	39	o	o·c	p·oc	4·3
	London (Kew Obsy.)	1013·6	53	W	3	c	1019·9	+6	44	−4	N	3	N	o	*	–	56	41	om·o·cq	o·c·bcc	c·o	2·4
ICELAND, FAEROE, &c.	Spitzbergen ...	1002·6	18	SE	1	b	1003·1	0	16	0	–	0	–	o	*	*	19	9				
	Isafjord ...	1016·6	42	NW	3	o	999·1	−2	42	+5	SW	4	–	o	*	*	*	*				
	Reykjavik ...	1020·7	42	S	1	o	1003·0	−4	42	+5	–	0	–	f	*	*	*	*				
	Vestmanna ...	1022·3	41	W	1	r	1003·8	−7	43	+2	SW	2	–	r	1	*	*	*				
	Seydisfjord ...	1019·3	53	E	3	bc	1004·3	−7	34	−3	–	0	–	c	*	*	*	*				
	Thorshavn ...	1021·1	46	WNW	5	c	1014·4	−3	42	+5	WSW	2	–	f	*	*	*	*				
NORTHERN EUROPE.	Vardö ...	980·3	32	W	10	o	985·6	+5	36	−1	WNW	10	–	m	5	*	37	32				
	Bodö ...	1004·7	34	WSW	5	c	1006·7	+2	36	+2	W	4	–	c	3	?	36	28				
	Christiansund	1013·5	41	–	0	c	1013·1	0	39	+2	–	0	–	c	3	–	41	36				
	Skudesnaes ..	1012·6	43	N	4	b	1013·5	0	41	−2	NNW	5	–	c	4	–	48	37				
	Færder (Christiania Fjord)	1009·3	46	SSE	2	o	1007·9	+2	41	−4	NNW	2	–	o	1	1	48	39				
	The Scaw (Skagen)	1010·3	46	SSE	3	r	1008·6	0	46	+1	W	1	–	bc	*	4	50	41				
	Blaavands Huk	1011·1	50	NW	1	m	1012·3	+2	46	0	NW	2	–	c	2	1	50	41				
	Haparanda ...	1002·0	41	W	4	b	1007·7	+3	39	0	W	6	–	b	*	–	45	32				
	Hernösand ...	1009·5	46	S	2	b	1013·9	+3	41	0	N	2	–	bc	*	–	48	30				
	Stockholm ...	1011·1	41	WSW	2	o	1011·7	0	50	+7	S	2	–	bc	*	7	50	36				
	Wisby ...	1012·3	46	SW	2	c	1013·2	0	50	+2	WSW	2	W	b	*	–	54	39				
	Karlstad ...	1010·4	48	–	0	b	1008·6	−1	45	+2	S	2	–	o	*	7	52	41				
	St. Petersburg	1016·4	50	WNW	2	bc	1016·0	0	52	+11	NW	1	NW	b	*	–	55	?41				
CENTRAL EUROPE.	Berlin ...	1014·1	55	S	2	c	1012·3	0	52	+2	SW	3	–	o	*	–	59	46				
	Frankfurt ...	1015·5	52	SW	2	c	1014·6	0	48	+2	SE	1	–	r	*	5	54	46				
	Munich ...	1017·9	50	W	2	o	1015·5	0	54	+9	SSW	5	–	bc	*	–	54	45				
	Vienna ...	1012·2	45	NW	1	b	1015·1	+2	45	−1	NW	1	–	b	*	–	50	41				
	Cuxhaven ...	1013·0	48	W	2	o	1012·3	0	50	+5	NW	2	NW	b	0	1	54	46				
	The Helder ...	1013·7	48	W	2	c	1013·9	+1	45	−5	S	1	–	o	1	2	52	45				
	Brussels ...	*	*	*	*	*	1014·6	+3	46	−6	WSW	1	–	o	*	2	59	46				
FRANCE.	C. Gris Nez ...	1014·6	50	WSW	4	o	1016·3	+3	46	−3	NNW	5	*	bc		1	57	45				
	La Hève ...	1016·6	50	WNW	4	o	1018·3	*	47	0	NNW	4	*	c	4	1	57	45				
	Ushant ...	1021·0	52	?NW	4	o	1022·3	*	52	+2	N	3	*	c	3	–	54	45				
	Brest (St. Mathieu)	1020·6	52	WNW	3	o	1023·3	+4	46	−5	NNE	3	*	bc	3	–	52	45				
	Rochefort (Ile d'Aix)	1020·6	54	W	3	r	1020·4	+2	50	−5	N	3	*	o	*	2	59	50				
	Biarritz ...	1020·3	57	NNE	2	c	1020·4	+1	54	+1	ESE	2	*	o	2	–	63	50				
	Paris ...	1016·0	55	–	0	o	1018·0	+3	50	0	W	2	W	b	*	4	61	41				
	Belfort ...	1019·4	48	WSW	6	r	1017·5	*	49	+6	WSW	5	*	r	*	3	51	43				
	Lyons ...	1021·0	54	E	1	o	1020·8	*	49	+4	N	1	*	r	*	2	58	45				
	Nice ...	1015·9	57	–	0	b	1017·3	+2	55	−4	–	0	*	b	2	–	68	48				
	Perpignan ..	1018·6	64	E	1	c	1019·3	+2	61	+6	W	2	–	o	0	–	73	*				
	Sanguinaire ...	*	56	W	2	m	*	*	60	+3	E	3	*	m	5	–	64	52				
SOUTHERN EUROPE.	Corunna (7 a.m.)	1022·9	55	NNW	3	b	1019·7	0	55	+7	NNE	3	–	o	3	–	55	46				
	Madrid (8 a.m.) ...	1017·1	68	S	1	b	1016·8	+1	57	+7	E	1		b	*	–	70	46				
	Lisbon (9 a.m.)	1018·3	61	NNW	4	bc	1016·4	0	55	+1	NNW	2	SW	c	2	–	66	52				
	Gibraltar ...	1018·3	62	E	5	c	1016·2	*	60	0	E	3	–	bc	1	–	68	59				
	Rome ...	1015·9	61	NW	1	b	1019·0	+1	55	+1	NW	1	–	b	*	0·3	68	50				
	Azores (Horta, 8 a.m.)	1031·5	*	NE	5	bc	1027·1	−1	57	−1	NNE	4	–	o	4	–	63	55				
	Madeira (Funchal)	1022·1	60	NE	3	o	1020·4	+1	61	−2	N	3	–	o	4	0·3	64	57				

GALES.

Duration and Extreme Force in British Islands.

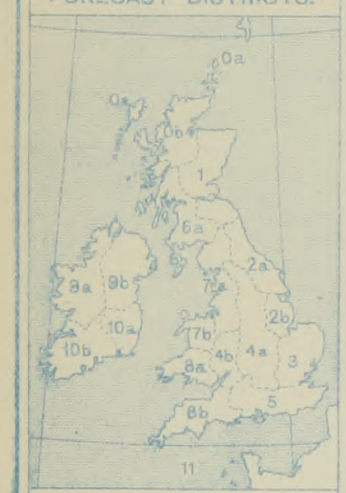
Malin Head. 11th, 8 p.m. N 8

* Information for these columns not usually received. † Received too late for insertion in Charts. ‡ The barometric change is expressed in half-millibars.



FORECASTS FOR THE 24 HOURS NOON TUESDAY TO NOON WEDNESDAY.

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

0 {a, b} Moderate or fresh South-Westerly winds; fair, some rain later; rather mild.

1 Wind backing towards South-West, force moderate; mostly fair, but some showers; rather milder.

2 {a, b} Moderate or fresh winds between North and West; mostly fair, occasional local showers; cool.

3, 4 {a, b}, 5 Moderate or fresh Northerly or North-Westerly winds; fair generally; continuing cool.

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

7 {a, b} Moderate wind, backing North-West or West; fair generally; continuing cool.

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

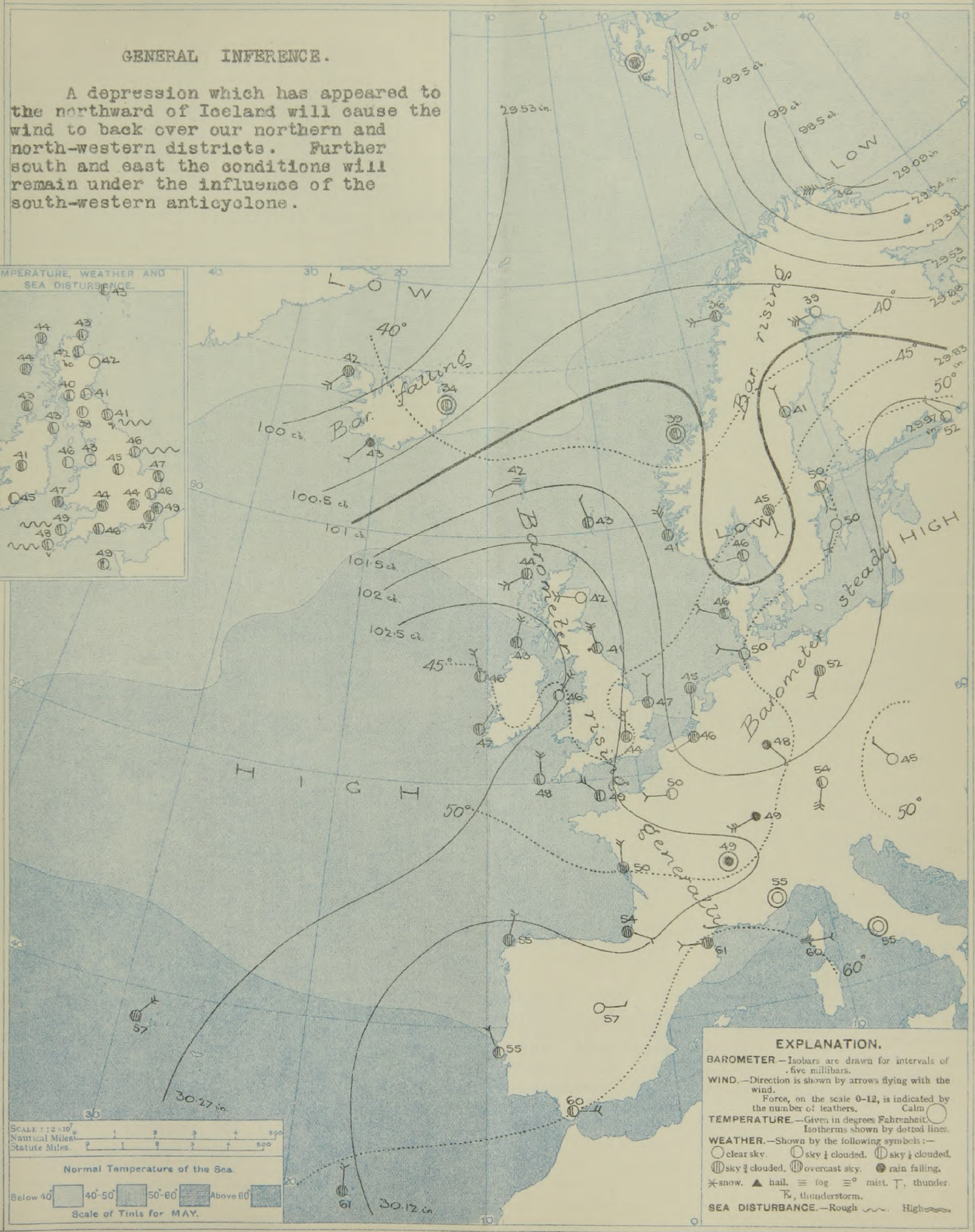
9 a Same as No. 0.
9 b Same as No. 1.

10 {a, b} Same as No. 7.

Western Channel and Bay. 11 Moderate or fresh Northerly winds, with a moderate sea; mostly fair; cool.

FURTHER OUTLOOK.

SYNOPTIC CHART FOR 7 a.m., Tuesday, 12th MAY, 1914.



DAILY WEATHER REPORT. Tuesday, 12th May, 1914.

OBSERVATIONS from the ATLANTIC OCEAN received by RADIOTELEGRAPHY.

Date and Hour.	Position. Lat. N.	Position. Long. W.	Name of Ship.	O = Outward. H = Homeward.	Barometer. Reading.	Barometer. Change in 3 hours.	Wind. Direc.	Wind. Force.	Weather.
	°	°			mb.	‡		(0-12).	
11th, 6p.m.	50	20	Corinthian	O	1029·1	0	NNE	4-5	bc
" "	51	28	Oscania	O	1037·6	+2	NW	4-5	b
" "	49	13	Ionian	H	1024·3	-3	N	4-5	b
" 7a.m.	53	18	California	O	1029·4	-7	NNW	6-7	o
" 6p.m.	49	17	Lapland	O	1028·7	-1	NNE	4-5	o
11th, 7a.m.	49	26	Royal George	H	1036·5	-1	NNW	1-3	b
" "	51	25	Oscania	O	1032·5	+3	N	4-5	b
" "	54	17	Laurentic	O	1020·3	+2	WNW	6-7	c
" "	49	17	Ionian	H	1024·3	+3	N	4-5	o
" "	49	13	Lapland	O	1024·0	-1	NE	1-3	m
" "	49	15	Minnetonka	O	1024·4	+3	NNW	4-5	c

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

	Stations.	Rainfall.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 6 p.m.
		mm.§	°F.	°F.			Hr.
Scotland	Oban	4	51	39	bcp	bc	5·5
	St. Andrews	3	54	39	bc	hvr.bc.	7·3
	Stonehaven	5	56	35	bc h.	pc	4·3
	Carnoustie	8	54	36	-	bbh	5·7
Eng. N.E.	Harrogate	2	53	37	cp	cp	6·2
	Scarborough	*	57	40	c.b.	c.b.r.	6·8
	Skegness	1	55	37	bc.o.	ogp	6·6
Eng. N.W.	Douglas (I. of M.)	1	50	41	bqp	bq	9·0
	Morecambe	1	53	46	bc	bc	9·2
	Blackpool	–	53	46	bc.c.	bc.c.	8·3
	Southport	1	50	42	cp.bc.	cp.o.bc.	7·5
Midlands	Buxton	2	49	37	bcr	bcr	1·4
	Leamington Spa	trace	55	40	c.b.	c.b.o.	3·2
	Malvern	1	53	43	c	c.bc.b.	0·5
	Betws-y-Coed	2	56	34	op	op	0·0
Wales	Rhyl	trace	52	43	bc.o	bcp	6·7
	Colwyn Bay	1	52	43	bcp	bc	6·0
	Llandudno	1	53	44	c.b.	b	6·3
	Aberystwyth	1	51	46	o.c.o	cf.c.	3·2
	Tenby	2	54	41	bc	opc.	4·0
England E.	Lowestoft	–	54	42	c.bc.c.	c.o.c.bc	4·0
	Felixstowe	–	54	41	bc.c.	bc.c.	4·1
	Walton-on-Naze	1	53	40	bc.c.o	bc.b.	4·7
	Southend-on-Sea	–	55	42	bc.o.	bc.o	2·7
England S.E.	Margate	–	54	47	b.bc	c.o.	5·1
	Ramsgate	1	55	44	bc	o	4·8
	Folkestone	1	56	46	bc.o	bc.o.	4·4
	Hythe	–	59	35	b	b	4·0
	Littlestone	*	*	*	*	*	3·1
	Hastings	1	57	46	op.c.	c.bc	1·1
	Bexhill-on-Sea	3	56	45	o	o	2·4
	Eastbourne	–	56	47	bc.o.	o.bc	5·2
	Seaford	–	56	45	bc	o	3·8
	Brighton	–	57	47	o.c	c.o.	2·7
	Worthing	–	58	44	c	c.o.	1·9
	Littlehampton	–	*	*	*	*	2·2
	Bognor	4	55	45	c	o	2·5
	Southsea	–	55	46	c.bc	c.b.	1·2
	Ryde	–	55	46			1·0
	Ventnor	–	56	45	*	*	5·1
	Bournemouth	!	55	48	d.od.	o.c.	0·3
England S.W.	Weymouth	–	58	43	bc.c.	b.bc	4·3
	Exmouth	1	58	48	bc.b.	c.bc.b.	3·3
	Teignmouth	–	56	48	c	cp.bc	1·8
	Torquay	2	55	48	o	c	?
	Paignton	1	55	50	c	bc	0·9
	Falmouth	–	54	47	o.cq	c.bq	3·8
	Bude	trace	55	48	o.bcp	bcp.c.	4·9
	Ilfracombe	3	54	47	o.c.	bc	5·5
	Weston-super-Mare	–	54	45	c.bc.	b.bc.b.	4·5

LONDON OBSERVATIONS.

Stations.	Humidity. 3 p.m. Yesterday.	Humidity. 9 a.m. To-day.	Sunshine for Yesterday.	Temperature. In Screen. Max.	Temperature. In Screen. Min.	Temperature. Min. on Grass.	Rainfall.	Weather. Forenoon.	Weather. Afternoon.	Weather. Night.
				24 Hours ended 9 a.m. To-day.						
	%	%	Hr.	°F.	°F.	°F.	mm.§			
Greenwich (Royal Obsy.)	57	75	2·3	56	42	37	–	o	o.c.	o
City (Bunhill Row)	*	*	1·1	*	*	*	*	*	*	*
Westminster (St. James's Pk.)	64	76	1·8	55	42	38	–	o	c	o
Camden Sq. (Brit. Rainfall)	55	69	2·2	58	41	37	–	c.o	o.c.	*
Hampstead (Reservoir)	*	77	2·4	54	39	33	trace	o.c.	c.	c.bc
Richmond Park	*	*								
Kew. (See front page.)										
S. Kensington (Roof of M.O.)	63	77	1·7							

Vertical Component of Solar Radiation per square centimetre during Yesterday.

Total.	Average Rate.	Max. Rate.
1118 Joules	20·3 Milliwatts.	80·0 Milliwatts.

Additional Observations for Yesterday.

Stations.	Rainfall.	Temperature. In Screen. Max.	Temperature. In Screen. Min.	Temperature. Night Min. on Grass.	Weather. Night.	Weather. Forenoon.	Weather. Afternoon.	Sunshine for Yesterday.
	mm.§	°F.	°F.	°F.				Hr.
Dublin to 4 p.m.	1	52	43	40	bcph	cqph	cbph	*
Plymouth to 9 p.m.								
Darwen "	2	50	37	34	bcot	c.ophf.b	bcu.	5·7
Manchester "	1	53	40	*	bcot	cp	bc	4·7
Birmingham "	1	55	40	33	o.c.	c	c	5·8
Oxford to 8 p.m.	*	55	43	40	o.cm	cm.o.	o.ci	*
S. Kensington (Museum Grounds to 8 p.m.)	–	55	45	37	o	o	o.c.o	*

Table showing the Greenwich Times of Sunrise, Noon and Sunset for Stations in the United Kingdom To-day and To-morrow.

12th & 13th May, 1914.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth	4·4 4·2	11·49 11·49	7·34 7·36
Greenwich	4·15 4·13	11·56 11·56	7·37 7·39
Wick	3·54 3·52	12·8 12·8	8·22 8·25
Valencia	4·54 4·52	12·37 12·37	8·20 8·22

NOTES ON YESTERDAY'S WEATHER.

Showers fell over the greater part of England, and the amounts of bright sunshine were, for the most part, rather small, 9 hours were, however, experienced at Douglas and Morecambe, and generally in the north of England the amounts were above above 5 hours. Rather heavy rain, accompanied in some instances by thunder and hail, occurred in parts of Scotland. Strong Northerly winds were experienced during the afternoon in the north-western part of the country.

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. Single copies 1d. at M.O. and at the bookstalls at certain Railway Termini in London.

Printed at the Meteorological Office, South Kensington, London, S.W.
By Wyman & Sons Ltd., Fetter Lane, London, E.C., and Reading.

§ 1 m.m. is approximately 4 hundredths of an inch. ‡ The barometric change is expressed in half-millibars.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

Wednesday, 13th May, 1914.

	STATIONS.	YESTERDAY EVENING. Barom. Millibars at M.S.L.	Temp. °F.	Wind. Direc.	Wind. Force 0-12	Weather.	THIS MORNING 7 A.M., G.M.T. Barometer. Millibars at M.S.L.	Barometer. Change in 3 hours. ‡	Temp. Dry Bulb. °F.	Temp. Change in 24 hours °F.	Wind. Direc.	Wind. Force 0-12.	Direc. of Upper Cloud	Weather.	Sea 0-9.	PAST 24 HOURS. Rainfall. Millimetres.	Temp. Max. °F.	Temp. Min. °F.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Sunshine for Yesterday. Hours.
BRITISH ISLANDS	Lerwick ...	1013·3	45	SSW	2	c	1008·4	+1	47	+4	W	2	–	omd	1	4	48	42	c	cd	or omd	*
	Stornoway ...	1014·7	44	SW	5	or	1014·9	+3	49	+5	W	3	W	omd	3	6	49	43	c.ora	ora	odm.	0·0
	Castlebay (Barra Isd.)	1018·2	45	SW	5	op	1017·1	+1	49	+5	W	4	–	opm	4	6	49	44	c.op	op.r.op	op.fm	0·0
	Glasgow ...	1022·1	42	WSW	5	od	1016·4	+1	48	+8	W	5	N	o	*	2	48	39	c	odp	d.o.	5·2
	Eskdalemuir ...	1022·4	43	W	4	ru	1016·6	0	45	+7	SW	4	N	o	*	4	48	37	bc.c	c.o	or·o	5·9
	Malin Head ...	1022·5	43	WSW	5	r	1020·0	+2	48	+5	NW	5	–	f	5	4	48	43	cm	omr	fr	*
	Blacksod Point	1027·9	48	W	4	omp	1024·1	+1	51	+5	W	2	W	omr	2	6	51	41	bcg.r	ch.cpm	omr	*
	Valencia ...	1029·8	48	NW	3	cv	1027·1	–1	50	+3	WNW	2	W	om	4	trace	52	46	bc	cv	om	7·0
	Roche's Point	1028·4	53	N	3	o	1026·4	*	49	+4	W	3	–	o	3	trace	57	44	bc.c	o	op	*
	Birr Castle ...	1027·1	50	W	2	o	1025·3	*	50	+9	W	1	–	o	*	1	52	40	c	c.o	op	3·2
	Donaghadee ...	1025·3	47	NW	3	or	1020·1	–1	50	+7	W	3	W	omd	3	1	50	40	c	or	omr.md	*
	Liverpool (Bidston)	1025·1	45	W	3	o	1020·3	–1	45	+2	WSW	2	W	omq	4	1	48	42	b	c	om	8·1
	Holyhead ...	1027·0	48	NW	3	ogg	1022·6	–1	48	+2	W	5	NW	omeq	4	0·3	51	44	b.bc.b	bc.cog	or d.om	9·3
	Pembroke (St. Ann's)	1027·6	48	W	2	c	1024·9	–2	47	0	WNW	5	W	cq	5	trace	53	46	bc	c	cg	10·7
	Newquay ...	1023·2	50	NNW	3	bc	1026·3	0	50	+1	?NW	3	–	o	4	–	52	42	bv	bv	c	11·7
	Scilly (St. Mary's)	1027·7	50	N	3	bc	1027·2	–1	49	+1	WNW	3	NW	c	3	–	55	44	bc	bcm	bc.c.	10·9
	Jersey (St. Aubin)	1025·6	54	NNW	3	bc	1026·8	*	51	+2	W	3	W	c	3	–	57	42	c.b	b	b*	12·2
	Portland Bill ...	1026·0	53	W	3	b	1025·7	–3	50	+4	WNW	4	–	o	3	–	55	46	bc	b	b.bc.o.	*
	Dungeness ...	1024·9	53	N	2	c	1023·3	–1	46	–1	NW	2	NW	o	2	0·3	55	41	c.rhq	cq	bc.o	*
	Dover ...	1023·7	47	NE	2	bc	1023·0	*	46	–3	NW	2	–	og	2	trace	55	41	c.bc.c	o.c.bc	bc.c.o	9·0
	Wick ...	1015·2	44	WNW	4	o	1011·3	+2	47	+4	WNW	3	–	o	3	1	49	42	bc.o	or	omd	·
	Nairn ...	1016·7	44	W	4	odq	1013·9	*	50	+8	W	3	–	cg	2	0·3	50	40	bc.g	bq.c	o.cg	4·1
	Aberdeen ...	1018·1	49	WSW	2	o	1013·2	+2	51	+9	NW	3	–	o	2	0·3	53	42	bq.bc	c.o	op	8·8
	Leith ...	1021·0	45	WSW	3	o	1014·8	+1	50	+9	WSW	4	SW	og	*	1	52	40	b.bc.c	o	or	*
	North Shields ...	1022·9	50	WNW	3	bcm	1017·2	–?	48	+7	W	3	–	om	3	–	51	40	bc	bcm	om	8·4
	Spurn Head ...	1022·0	46	?WNW	2	c	1018·6	–3	46	0	W	4	–	o	3	trace	51	40	bc	c	c.o.	9·5
	Yarmouth ...	1023·5	49	NW	3	bc	1021·2	0	42	–5	W	2	–	omr	1	2	51	41	bcp	bcp	bc.omr	10·1
	Clacton-on-Sea	1023·3	52	NW	2	bc	1022·3	–1	44	–2	W	1	–	og	1	trace	54	42	bc.cp.c	c.bc	bc.cm.o	7·4
	Nottingham ...	1024·1	49	NW	4	c	1021·1	*	45	0	W	4	W	om	*	–	54	42	bcm	bcm	c.bc	8·5
	Bath ...	1025·0	55	W	4	o	1024·4	*	49	+5	W	4	NW	o	*	–	57	43	o.b	o.c	o.c.	7·5
	London (Kew Obsy.)	1024·5	53	NW	1	c	1023·6	–1	46	+2	SW	1	–	om	*	trace	54	43	o.cp.bc	bc.c	om	5·4
ICELAND, FAEROE, &c.	Spitzbergen ...	1007·1	21	NW	4	o	1010·3	+2	23	+7	–	0	*	s	*	*	23	16				
	Isafjord ...	997·6	45	SW	6	b	997·5	+1	39	–3	SW	4	–	c	*	*	*	*				
	Reykjavik	1003·9	46	SW	2	c	999·0	+1	42	0	SSW	1	–	o	*	*	*	*				
	Vestmanna	1004·6	41	WNW	5	c	1001·6	+2	44	+1	SW	4	–	o	1	*	*	*				
	Seydisfjord ...	998·6	54	W	2	c	998·1	0	45	+11	SW	1	–	bc	*	*	*	*				
	Thorshavn ...	1005·7	45	WSW	5	r	1005·5	+1	46	+4	WNW	4	–	m	*	*	*	*				
NORTHERN EUROPE.	Vardö ...	1004·8	37	W	8	r	1017·3	+2	37	+1	–	0		o	2	*	37	30				
	Bodö ...	1012·4	39	SSW	1	b	1006·1	0	37	+1	E	4	–	c	2	–	?	37				
	Christiansund	1012·2	41	–	0	c	1010·1	0	41	+2	–	0	NW	b	3	–	41	36				
	Skudesnaes ..	1013·9	39	NNW	5	b	1011·7	–1	45	+4	SSW	2	NW	r	2	3	46	39				
	Færder (X'iania Fjord)	1009·9	45	W	2	b	1011·8	+2	43	+2	–	0	NW	bc	1	–	45	39				
	The Scaw (Skagen)	1009·9	50	NW	1	b	1011·9	+1	48	+2	W	2	–	b	*	–	52	41				
	Blaavands Huk	1014·1	43	NW	4	c	1016·3	+2	46	0	NW	4	–	o	4	3	48	37				
	Haparanda ...	1014·4	37	SW	4	b	1018·9	+1	41	+2	ESE	2	S	bc	*	–	45	28				
	Hernösand ...	1013·6	36	N	4	r	1012·0	0	37	–4	NE	2	–	r	*	4	45	34				
	Stockholm ...	1011·1	45	SE	2	c	1009·5	0	43	–7	W	2	–	m	*	2	54	39				
	Wisby ...	1000·0	46	SSE	4	bc	1011·0	+3	46	–4	WNW	2	–	b	*	3	54	43				
	Karlstad ...	1007·8	50	WNW	2	bc	1011·3	+1	43	–2	NW	2	–	o	*	–	54	36				
	St. Petersburg	1016·8	48	E	2	b	1017·1	+2	45	–7	ENE	1	–	c	*	–	55	43				
CENTRAL EUROPE.	Berlin ...	1012·2	54	NW	3	b	1018·7	+2	41	–11	W	3	W	o	*	1	55	39				
	Frankfurt ...	1016·8	52	NW	2	c	1024·0	+1	45	–3	W	2	W	m	*	2	55	41				
	Munich ...	1017·0	48	W	4	c	1023·3	+2	41	–13	NW	3	–	o	*	3	59	39				
	Vienna ...	1012·6	59	W	3	bc	1016·6	+2	48	+3	W	2		r	*	2	64	45				
	Cuxhaven ...	1016·6	45	NW	4	b	1018·1	0	43	–7	W	3	–	r	0	3	50	41				
	The Helder ...	1021·0	48	NW	4	c	1019·9	+1	48	+3	W	4	–	o	2	–	50	45				
	Brussels ...	*	*	*	*	*	1024·0	0	45	–1	SW	2	–	o	*	0·3	54	36				
FRANCE.	C. Gris Nez ...	1023·3	48	NNE	4	b	1023·0	–1	48	+2	N	2	*	o	2	1	54	43				
	La Hève ...	1025·5	48	N	3	b	1025·6	*	47	0	SW	3	*	bc	3	–	54	45				
	Ushant ...	1026·1	55	NE	3	bc	1027·7	*	52	0	NE	3	*	b	3	–	55	46				
	Brest (St. Mathieu)	1026·7	54	NE	3	bc	1028·4	0	48	+2	NE	1	*	b	2	–	61	46				
	Rochefort (Ile d'Aix)	1023·8	59	NE	3	bc	1025·6	+2	48	–2	ENE	3	*	b	*	–	64	48				
	Biarritz ...	1021·0	55	NE	3	c	1022·9	+1	55	+1	E	3	*	b	2	–	63	52				
	Paris ...	1023·0	52	N	4	b	1026·4	0	45	–5	–	0	N	o	*	0·3	61	37				
	Belfort ...	1019·3	51	WSW	6	c	1026·1	*	36	–13	–	0	–	f	*	3	53	35				
	Lyons ...	1022·0	51	NNW	1	r	1025·1	*	44	–5	NNW	2	*	bc	*	4	58	41				
	Nice ...	1014·9	58	E	1	b	1014·3	+2	58	+3	–	0	*	b	1	–	68	52				
	Perpignan ..	1018·9	64	NW	3	o	1020·8	+1	63	+2	NW	2	W	bc	*	–	73	*				
	Sanguinaire ...	*	57	E	2	m	*	*	60	0	E	2	*	m	3	–	63	54				
SOUTHERN EUROPE.	Corunna (7 a.m.)	1019·0	61	NNE	3	b	1019·5	0	57	+2	NE	1	–	b	4	–	63	54				
	Madrid (8 a.m.) ...	1013·1	73	–	0	c	1019·5	+3	59	+2	E	1	W	b	*	–	73	52				
	Lisbon (9 a.m.)	1014·4	61	NNW	4	?b	1015·5	+3	55	0	N	1	–	b	5	–	?	52				
	Gibraltar ...	1016·9	61	SE	4	bc	1017·2	*	61	+1	SE	5	–	o	2	–	68	60				
	Rome ...	1019·4	61	SW	1	b	1017·0	0	55	0	NW	1	–	o	*	–	70	52				
	Azores (Horta, 8 a.m.)	1024·7	*	N	5	o	1021·1	–1	57	0	NNE	4	N	o	5	6	61	55				
	Madeira (Funchal)	1019·8	59	E	1	o	1019·1	+1	60	–1	E	1	–	o	1	?	63	55				

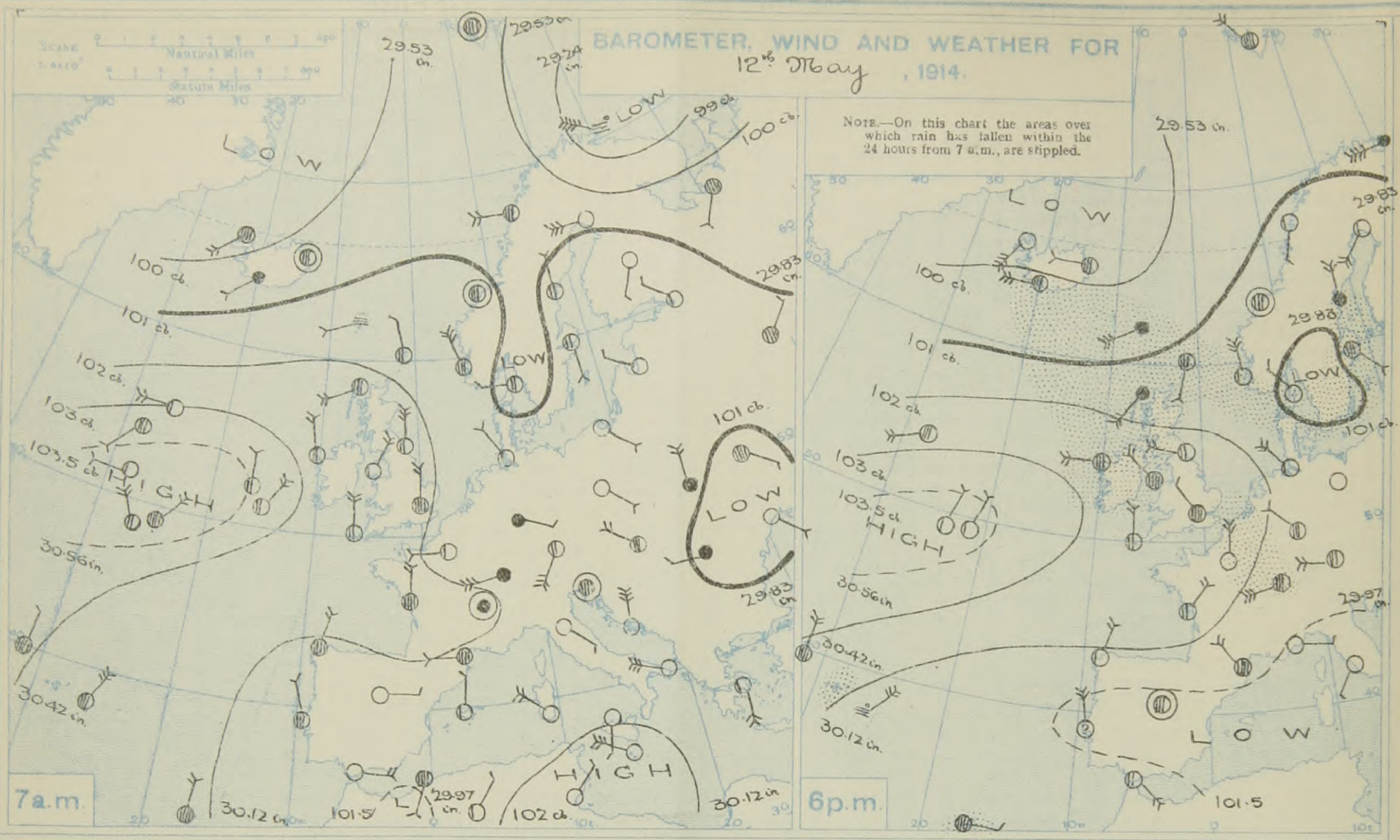
Equivalents of Millibars in Inches.

Millibars.	Inches of Mercury at 32° F. in Lat. 45.
940	27·76
950	28·05
960	28·35
970	28·65
980	28·94
990	29·24
1000	29·53
1010	29·83
1020	30·12
1030	30·42
1040	30·71
1050	31·01

1,000 millibars are equivalent to 14¾ lbs. per square inch (in Lat. 45).

100 millibars to one pound and a half per square inch.

* Information for these columns not usually received. † Received too late for insertion in Charts. ‡ The barometric change is expressed in half-millibars.



FORECASTS FOR THE 24 HOURS NOON WEDNESDAY TO NOON THURSDAY.

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.

0 {a, b} Moderate Westerly winds, fresh or strong at times; dull, occasional rain; moderate temperature.

1, 2 {a, b} Moderate Westerly winds; rather cloudy, with some showers; moderate temperature.

3, 4 {a, b}, 5 Moderate Westerly winds; fair as a whole; becoming somewhat milder.

6 {a, b}, 7 {a, b} Moderate or fresh Westerly winds; rather cloudy, with occasional rain; moderate temperature.

8 {a, b} Moderate Westerly winds; mostly fair; becoming somewhat milder.

9 {a, b} Same as No. 0.

Same as Nos. 6 and 7.

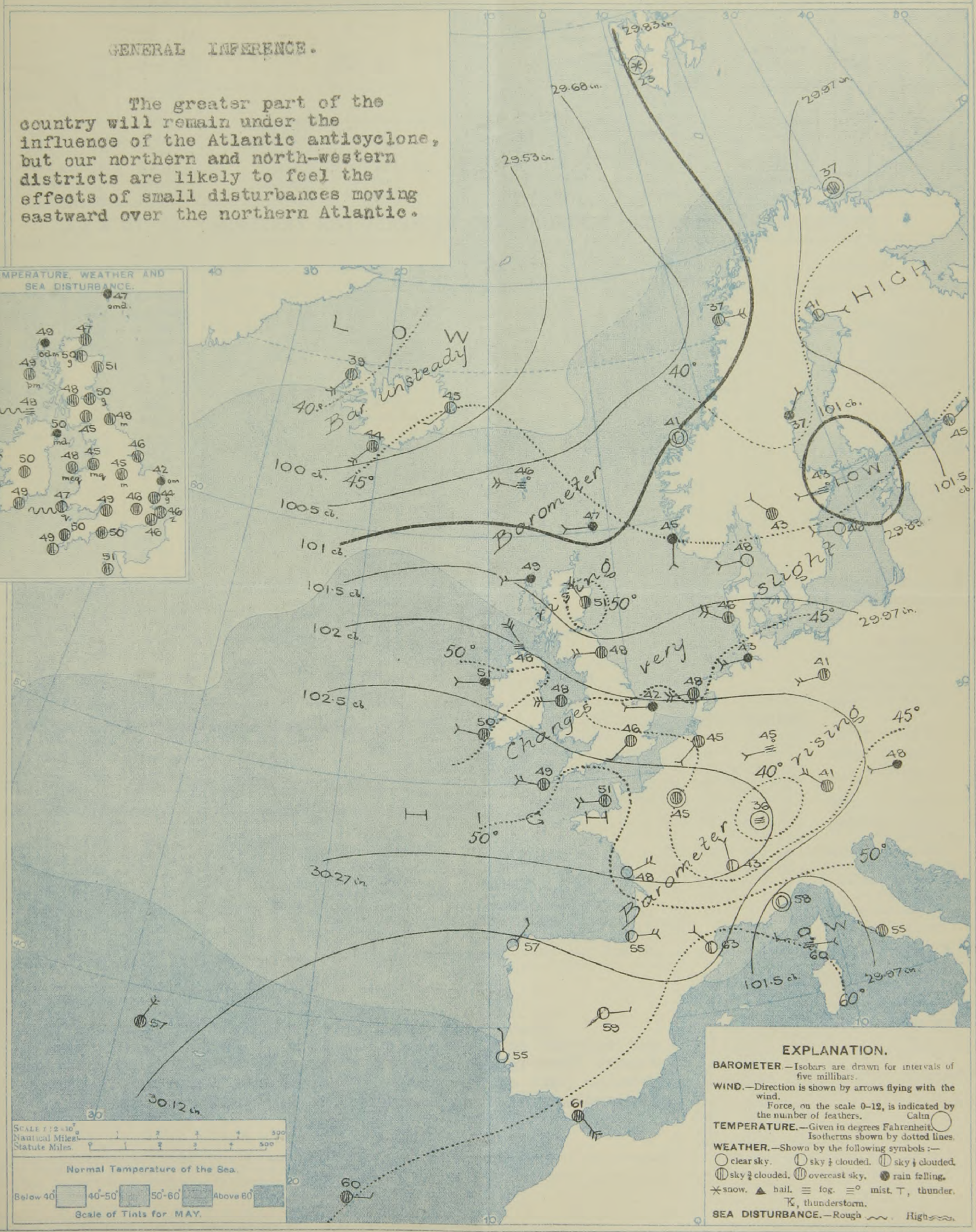
10 {a, b} Same as No. 8.

Same as Nos. 6 and 7.

Western Channel and Bay. 11 Light Westerly breezes over mouth of Channel, North-Easterly over Bay; moderate or slight sea; fair generally.

FURTHER OUTLOOK.

SYNOPTIC CHART FOR 7 a.m., Wednesday, 13th MAY, 1914.



OBSERVATIONS from the ATLANTIC OCEAN received by RADIOTELEGRAPHY.

Date and Hour.	Position. Lat. N.	Position. Long. W.	Name of Ship.	O = Outward. H = Homeward.	Barometer. Reading.	Barometer. Change in 3 hours.	Wind. Direc.	Wind. Force.	Weather.	Date and Hour.	Position. Lat. N.	Position. Long. W.	Name of Ship	O = Outward. H = Homeward.	Barometer. Reading.	Barometer. Change in 3 hours.	Wind. Direc.	Wind. Force.	Weather.
	°	°			mb.	‡		(0–12).			°	°			mb.	‡		(0–12).	
12th, 7 a.m.	53	28	Laurentic	O	1031·1	0	SW	1-3	c	12th, 7 a.m.	48	23	Lapland	O	1035·2	+2	NE	4-5	o
" "	51	27	California	O	1039·6	0	W	1-3	b	" "	51	16	Royal George	H	1035·2	+7	N	1-3	bc
" "	55	25	Hesperian	O	1031·8	−3	W	4-5	b	" "	50	15	Campania	H	1030·8	+1	NNE	4-5	bc
" "	48	25	Haverford	H	1035·5	−2	N	4-5	bc	" 6 p.m.	53	27	Hesperian	O	1029·8	−2	WSW	4-5	c
" "	48	25	Minnetonka	O	1034·8	0	NNW	1-3	c	" "	49	21	Haverford	H	1035·2	−2	NNE	1-3	b
" "	48	24	Cymric	H	1034·8	0	NNE	4-5	o	" "	49	20	Cymric	H	1035·5	0	NNE	1-3	b

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

	Stations.	Rainfall.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 6 p.m.
		mm.§	° F.	° F.			Hr.
Scotland	Oban	1	51	39	bc	d.r.	2·0
	St. Andrews	—	54	35	*	*	7·3
	Stonehaven	1	59	42	b.bc.	cg	8·8
	Carnoustie	1	53	35	*	*	7·8
Eng. N.E.	Harrogate	trace	53	38	c.bc	bc.c.o.	8·8
	Scarborough	*	50	41	o.c	c.b.	8·8
	Skegness	trace	50	39	bc	bc.c.	10·3
Eng. N.W.	Douglas (I. of M.)	—	49	39	b	bc.	8·0
	Morecambe	—	51	41	b	b.bc.	9·5
	Blackpool	—	50	39	cd.c.	c.o.	9·4
	Southport	—	49	40	b.bc.c.	bc.c.o	10·5
Midlands	Buxton	—	53	37	bc	bc	9·6
	Leamington Spa	6	54	38	c	c	7·0
	Malvern	4	53	40	c.bc.b.	b	11·5
	Beltws-y-Coed	—	52	40	bc	bc	?
Wales	Rhyl	—	50	43	bc	bc.o	9·0
	Colwyn Bay	—	51	45	bc.b.	bc	7·0
	Llandudno	—	52	44	bc	bc.c.	6·8
	Aberystwyth	2	50	40	r.o.c.	c.b.	10·7
	Tenby	—	57	40	b	b	11·5
England, E.	Lowestoft	4	52	41	op.c.	c.bc.c.	9·8
	Felixstowe	1	54	40	bcp	bc	8·2
	Walton-on-Naze	1	54	39	bc.cp.c.	c.bc.c.	8·3
	Southend-on-Sea	—	55	41	b.bc	bc	9·0
England, S.E.	Margate	1	55	45	bcp	bcp	6·0
	Ramsgate	2	52	42	o	bc	6·4
	Folkestone	2	53	42	bc.or.o.	o.bc.	9·1
	Hythe	2	55	38	bc	bc	8·5
	Littlestone	*	*	*	*	*	8·6
	Hastings	—	55	41	o.bc.b.	b.bc.	8·1
	Bexhill-on-Sea	—	56	41	b	b	8·0
	Eastbourne	2	57	42	bc	bc	8·8
	Seaford	—	56	41	b	bc	7·8
	Brighton	trace	56	42	c.bc	bc	11·0
	Worthing	—	58	42	bc	bc	10·7
	Littlehampton	1	*	*	*	*	10·4
	Bognor	—	56	47	bc	bc	9·6
	Southsea	2	55	41	bc	bc	9·6
	Ryde	1	55	42	b	b	10·5
	Ventnor	1	56	39	*	*	12·5
	Bournemouth	—	57	39	c.bc.	bz	9·5
England, S.W.	Weymouth	1	59	40	bc.b.	b.bc	11·3
	Exmouth	—	58	41	b	b	12·4
	Teignmouth	—	57	42	b	b.bc	12·0
	Torquay	—	56	42	bc	bc	11·5
	Paignton	—	56	43	bc	b.bc	10·3
	Falmouth	—	57	42	bv	bv	12·5
	Bude	—	55	45	b	b	12·6
	Ilfracombe	1	56	46	b	b	12·5
	Weston-super-Mare	3	57	42	b	b	12·0

LONDON OBSERVATIONS.

Stations.	Humidity. 3 p.m. Yesterday.	Humidity. 9 a.m. To-day.	Sunshine for Yesterday.	Temperature. In Screen. Max.	Temperature. In Screen. Min.	Temperature. Min. on Grass.	Rainfall.	Weather. Forenoon.	Weather. Afternoon.	Weather. Night.
				24 Hours ended 9 a.m. To-day.						
	%	%	Hr.	° F.	° F.	° F.	mm.§			
Greenwich (Royal Obsy.)	53	72	5·5	56	42	34	—	c	c	c.o.
City (Bunhill Row)	*	*	5·1	*	*	*	*	*	*	*
Westminster (St. James's Pk.)	59	85	5·8	56	43	41	—	bcp.	bc.c	c.bc
Camden Sq. (Brit. Rainfall)	49	68	5·8	58	43	39	—	bc	bc	*
Hampstead (Reservoir)	*	76	6·4	50	41	36	—	o.op	bc.	c.o
Richmond Park	*	*	5·9							
Kew. (See front page.)										
S. Kensington (Roof of M.O.)	61	77	5·5							

Vertical Component of Solar Radiation per square centimetre during Yesterday.

Total.	Average Rate.	Max. Rate.
1435 Joules	26·0 Milliwatts.	89·0 Milliwatts.

Additional Observations for Yesterday.

Stations.	Rainfall.	Temperature. In Screen. Max.	Temperature. In Screen. Min.	Temperature. Night Min. on Grass.	Weather. Night.	Weather. Forenoon.	Weather. Afternoon.	Sunshine for Yesterday.
	mm.§	° F.	° F.	° F.				Hr.
Dublin to 4 p.m.	1	52	41	38	c.b	c	c	*
Plymouth to 9 p.m.	—	57	41	36	bc	bc	bc	12·8
Darwen "	trace	51	36	35	or.bc.	bc	bc.o	7·1
Manchester "	—	50	41	*	c.bc	bc	bc.c.	6·3
Birmingham "	—	52	37	31	o	c	c	6·9
Oxford to 8 p.m.	*	55	39	36	or.c	c.cz	cz.bz	*
S. Kensington (Museum Grounds to 6 p.m.)	—	56	42	40	o	o.op.o.c	c.bc.o.	*

Table showing the Greenwich Times of Sunrise, Noon and Sunset for Stations in the United Kingdom To-day and To-morrow.

13th & 14th May, 1914.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth	4·2 4·0	11·49 11·49	7·36 7·38
Greenwich	4·13 4·12	11·56 11·56	7·39 7·40
Wick	3·52 3·50	12·8 12·8	8·25 8·27
Valencia	4·52 4·50	12·37 12·37	8·22 8·24

NOTES ON YESTERDAY'S WEATHER.

About 6 millimetres of rainfall is reported from our extreme north-western stations. South-western stations report from 10 to 12 hours of bright sunshine, and over the greater part of the country the amounts exceeded 6 hours. Temperature did not reach 60° at any British station.

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. Single copies 1d. at M.O. and at the bookstalls at certain Railway Termini in London.

Printed at the Meteorological Office, South Kensington, London, S.W. By Wyman & Sons Ltd., Fetter Lane, London, E.C., and Reading.

§ 1 m.m. is approximately 4 hundredths of an inch. ‡ The barometric change is expressed in half-millibars.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

Thursday, 14th May, 1914.

	STATIONS.	YESTERDAY EVENING. Barom. Millibars at M.S.L.	Temp.	Wind. Direc.	Wind. Force 0–12	Weather.	THIS MORNING 7 A.M., G.M.T. Barometer. Millibars at M.S.L.	Barometer. Change in 3 hours.	Temp. Dry Bulb.	Temp. Change in 24 hours.	Wind. Direc.	Wind. Force 0–12.	Direc. of Upper Cloud	Weather.	Sea 0–9.	PAST 24 HOURS. Rainfall. Millimetres.	Temp. Max.	Temp. Min.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Sunshine for Yesterday.
			°F.					‡	°F.	°F.							°F.	°F.				Hours.
BRITISH ISLANDS.	Lerwick ..	1014·4	49	W	2	cm	1018·9	+2	49	+2	WSW	2	–	cmd	2	0·3	52	45	c	cm	cmd	*
	Stornoway ...	1019·8	50	W	4	cm	1022·0	+3	49	0	WSW	5	SW	c	4	1	51	47	cd. rq.	cdpm	cdpm.c.	0·0
	Castlebay (Barra Isd.)	1021·8	50	WNW	4	cm	1023·5	0	49	0	SW	4	–	c	4	–	51	47	cpm	cpm	cdpm. c	0·0
	Glasgow ...	1021·6	52	WNW	5	c	1025·0	+1	48	0	W	3	–	c	*	–	55	42	c	c.c	c.c.	1·3
	Eskdalemuir ...	1020·2	55	NW	6	bc	1025·4	+2	43	−2	–	0	–	bm	*	trace	59	37	c. cq	cq. c.bc	bc.bmw	3·0
	Malin Head ..	1024·4	48	NW	4	f	1026·0	+1	48	0	W	2	W	c	2	trace	50	46	fr	fe	cm	*
	Blacksod Point	1026·9	50	WNW	2	cm	1027·1	0	49	−2	W	2	W	cm	2	1	53	46	cpm	cm	cme	*
	Valencia ...	1027·4	53	NW	4	bc	1027·1	+1	46	−4	–	0	S	bc	3	–	55	40	cm	c.c	c	2·7
	Roche's Point	1026·7	58	N	3	c	1027·4	*	48	−1	N	2	S	c	2	–	61	44	c	c.c.cq	bc.b.	*
	Birr Castle ...	1025·0	60	NNW	1	c	1026·7	*	48	−2	W	1	–	c	*	0·3	61	46	cm	m.c.	c	2·3
	Donaghadee ...	1024·1	52	NNW	3	c	1027·0	+2	47	−2	NNW	2	–	cm	2	–	57	47	cm	c	cm	*
	Liverpool (Bidston)	1023·2	52	W	4	c	1026·1	+1	48	+3	WNW	3	W	c	2	trace	53	45	ce	c	c	0·0
	Holyhead ...	1025·0	53	WNW	3	cq	1027·4	+1	50	+2	N	1	–	fe	1	trace	55	48	cpd. f	c.c.c	b.bcc.c	1·5
	Pembroke (St. Ann's)	1025·7	51	WNW	2	c	1026·4	+1	51	+4	N	2	SE	b	2	–	55	47	cq	c	c	0·1
	Newquay ...	1025·8	51	W	3	c	1025·9	+1	55	+5	SW	1	–	bc	2	–	59	49	c	c	bc	0·5
	Scilly (St. Mary's)	1026·7	53	NW	3	cm	1026·3	+2	52	+3	NW	1	NW	cm	3	–	57	48	bc	cm	cm.cm	2·9
	Jersey (St. Aubin)	1026·4	53	W	3	bc	1025·7	*	54	+3	NW	2	–	cm	1	–	55	49	c.c	c.bc	bc.cm	6·3
	Portland Bill ...	1024·4	53	W	4	c	1025·5	+2	55	+5	NW	1	–	bc	2	–	55	49	c	c	c.c.bc	*
	Dungeness ...	1023·0	55	WNW	2	c	1023·7	+2	55	+9	NW	2	NW	bcq	1	–	57	45	bc	bc	bcq	*
	Dover	1021·7	53	W	3	c	1024·0	*	57	+11	NW	3	–	bcq	2	–	58	46	c.c.bc.c	c.bc.cc	c.c.bc	1·3
	Wick	1017·7	51	WNW	3	c	1018·9	+3	52	+5	W	3	W	bc	3	–	54	46	cmd.rq	cq.cmq	cmbcq	*
	Nairn	1019·5	56	W	3	cq	1022·7	*	52	+2	W	2	–	bc	2	–	60	49	bc.cq	bc.q	cu	1·6
	Aberdeen ...	1018·7	57	WNW	4	c	1022·5	+2	56	+5	–	0	W	b	2	–	59	48	c	c.c	c.bc.b.	0·4
	Leith	1020·4	59	W	2	c	1024·1	+3	49	+1	WSW	3	–	c	*	–	60	48	cq.c	c	bc	*
	North Shields ...	1020·4	59	NNW	1	c	1025·0	+2	53	+5	WNW	3	NW	bcm	3	–	?61	48	bc	cm	bcm	0·1
	Spurn Head ...	1019·9	52	ENE	1	c	1023·7	+5	52	+6	N	3	N	cm	2	–	54	46	c	c	cm	0·0
	Yarmouth ...	1020·4	52	W	2	cm	1024·0	0	51	+9	WNW	2	–	cm	1	1	53	41	cm	cm	cm	0·2
	Clacton-on-Sea	1021·0	53	W	3	c	1024·0	+3	52	+8	W	2	NE	c	0	–	56	43	cq.c.c	c.c.cq	cqm	0·6
	Nottingham ...	1021·4	55	NW	4	c	1025·2	*	49	+4	WSW	3	W	cm	*	trace	57	45	cdm	c.c	c.c.bc	0·0
	Bath	1023·7	56	W	3	c	1026·1	*	53	+4	W	1	N	c	*	–	57	47	cq	q.c	q.cm	0·4
	London (Kew Obsy.)	1022·3	54	W	3	c	1025·6	+2	52	+6	NW	2	–	bm	*	–	55	44	cm.c	c	cbc.bm	0·0
ICELAND, FAERÖE, &c.	Spitzbergen ...	1011·1	25	SE	1	c	1010·0	0	32	+9	N	1	–	c	*	*	32	21				
	Isafjord... ...	997·7	41	–	0	c	989·2	+8	37	−2	W	7	–	c	*	*	*	*				
	Reykjavik ...	994·7	45	SE	1	r	993·9	+7	41	−1	W	3	–	bc	*	*	*	*				
	Vestmanna ...	999·3	44	–	0	r	995·0	+3	40	−4	W	6	–	b	2	*	*	*				
	Seydisfjord ...	999·4	56	–	0	c	989·7	−1	46	+1	SW	6	–	b	*	*	*	*				
	Thorshavn ...	1010·3	52	WNW	5	c	1011·0	0	46	0	W	5	–	r	*	*	*	*				
NORTHERN EUROPE.	Vardö	1022·7	37	ESE	1	b	1020·0	−1	39	+2	SSE	1	–	c	2	*	39	32				
	Bodö	1012·4	43	E	2	b	1011·5	0	43	+6	E	2	–	b	1	–	43	34				
	Christiansund	1011·1	46	–	0	c	1014·6	+3	48	+7	SW	1	–	c	3	–	52	41				
	Skudesnaes ..	1015·5	45	S	4	c	1019·7	+1	46	+1	E	1	–	c	1	–	46	43				
	Færder (X'iania Fjord)	1013·2	48	SW	3	c	1017·5	+4	46	+3	NE	1	–	f	1	–	48	43				
	The Scaw (Skagen)	1015·3	52	W	3	b	1018·1	+2	48	0	S	1	–	bc	*	–	52	41				
	Blaavands Huk	1017·5	46	W	2	r	1019·1	+2	48	+2	N	2	–	m	3	1	50	45				
	Haparanda ...	1015·7	46	E	2	c	1012·7	0	45	+4	S	2	S	c	*	–	54	43				
	Hernösand ...	1012·7	41	–	0	c	1015·1	0	43	+6	–	0	–	b	*	4	43	32				
	Stockholm ...	1012·6	52	W	2	c	1016·6	+3	48	+5	N	2	–	b	*	–	54	36				
	Wisby	1014·3	46	WNW	2	b	1017·6	+4	48	+2	NW	2	–	b	*	–	52	41				
	Karlstad	1013·3	50	SSW	2	bc	1017·9	+4	45	+2	–	0	–	b	*	–	55	34				
	St. Petersburg	1011·1	46	NNE	1	r	1007·4	0	46	+1	WNW	1	–	r	*	9	59	45				
CENTRAL EUROPE.	Berlin	1019·0	46	W	4	c	1019·0	0	46	+5	NW	2	–	c	*	3	52	41				
	Frankfurt... ...	1021·7	54	SW	2	c	1021·9	0	46	+1	SW	1	–	r	*	0·3	55	41				
	Munich	1022·7	48	N	2	bc	1022·4	0	46	+5	WNW	4	–	c	*	1	52	41				
	Vienna	1020·7	46	WNW	1	b	1021·2	+5	46	−2	W	1	–	b	*	4	59	46				
	Cuxhaven ...	1018·7	48	W	2	c	1018·7	0	48	+5	NW	2	–	c	0	1	50	43				
	The Helder ...	1019·9	48	WSW	3	c	1022·3	+3	50	+2	NNW	4	–	c	3	1	52	46				
	Brussels	*	*	*	*	*	1022·9	+2	52	+7	N	2	–	c	*	1	52	43				
FRANCE.	C. Gris Nez ...	1022·0	52	WSW	5	c	1023·4	+2	54	+6	N	3	*	m	2	1	54	48				
	La Hève	1024·8	50	WNW	4	c	1025·1	*	51	+4	–	0	*	m	0	–	54	47				
	Ushant	1029·1	55	N	3	c	1026·0	*	53	+1	NE	2	*	c	3	–	59	45				
	Brest (St. Matthieu)	1028·0	53	NW	3	b	1026·9	0	52	+4	–	0	*	c	0	–	59	50				
	Rochefort (Ile d'Aix)	1024·6	57	NW	4	b	1024·7	0	51	+3	ENE	3	*	b	*	–	64	48				
	Biarritz	1022·3	59	NNE	4	b	1022·1	0	54	−1	–	0	*	b	2	–	68	46				
	Paris	1026·3	54	W	2	c	1025·0	+2	?	?	–	0	–	?	*	–	59	45				
	Belfort	1023·4	52	W	4	c	1024·7	*	43	+7	W	2	*	m	*	–	58	36				
	Lyons	1023·8	53	NNW	1	bc	1024·8	*	49	+5	NNW	1	*	b	*	–	60	43				
	Nice	1015·8	58	E	1	c	1018·3	+1	56	−2	–	0	*	bc	1	–	68	54				
	Perpignan ..	1019·7	68	N	2	b	1020·3	0	63	0	NW	3	NW	b	*	–	73	*				
	Sanguinaire ...	*	60	SW	3	m	*	*	59	−1	E	2	*	m	4	–	66	54				
SOUTHERN EUROPE.	Corunna (7 a.m.)	1019·4	64	NE	5	b	1017·3	−1	57	0	E	1	E	b	2	–	66	52				
	Madrid (8 a.m.) ...	1015·5	73	–	0	b	1018·4	+2	61	+2	E	1	–	b	*	–	75	52				
	Lisbon (9 a.m.)	1014·9	66	W	4	c	1014·4	0	59	+4	–	0	S	c	2	–	68	55				
	Gibraltar	1016·6	62	E	6	c	1016·2	*	62	+1	E	5	–	c	2	–	65	61				
	Rome	1016·0	59	SW	1	b	1015·0	0	55	0	N	1	–	c	*	–	68	55				
	Azores (Horta, 8 a.m.)	1019·7	*	N	4	bc	1020·8	+3	59	+2	NE	4	–	bc	4	1	61	57				
	Madeira (Funchal)	1017·5	61	WSW	2	r	1014·7	+1	63	+3	WSW	2	–	b	2	1	64	59				

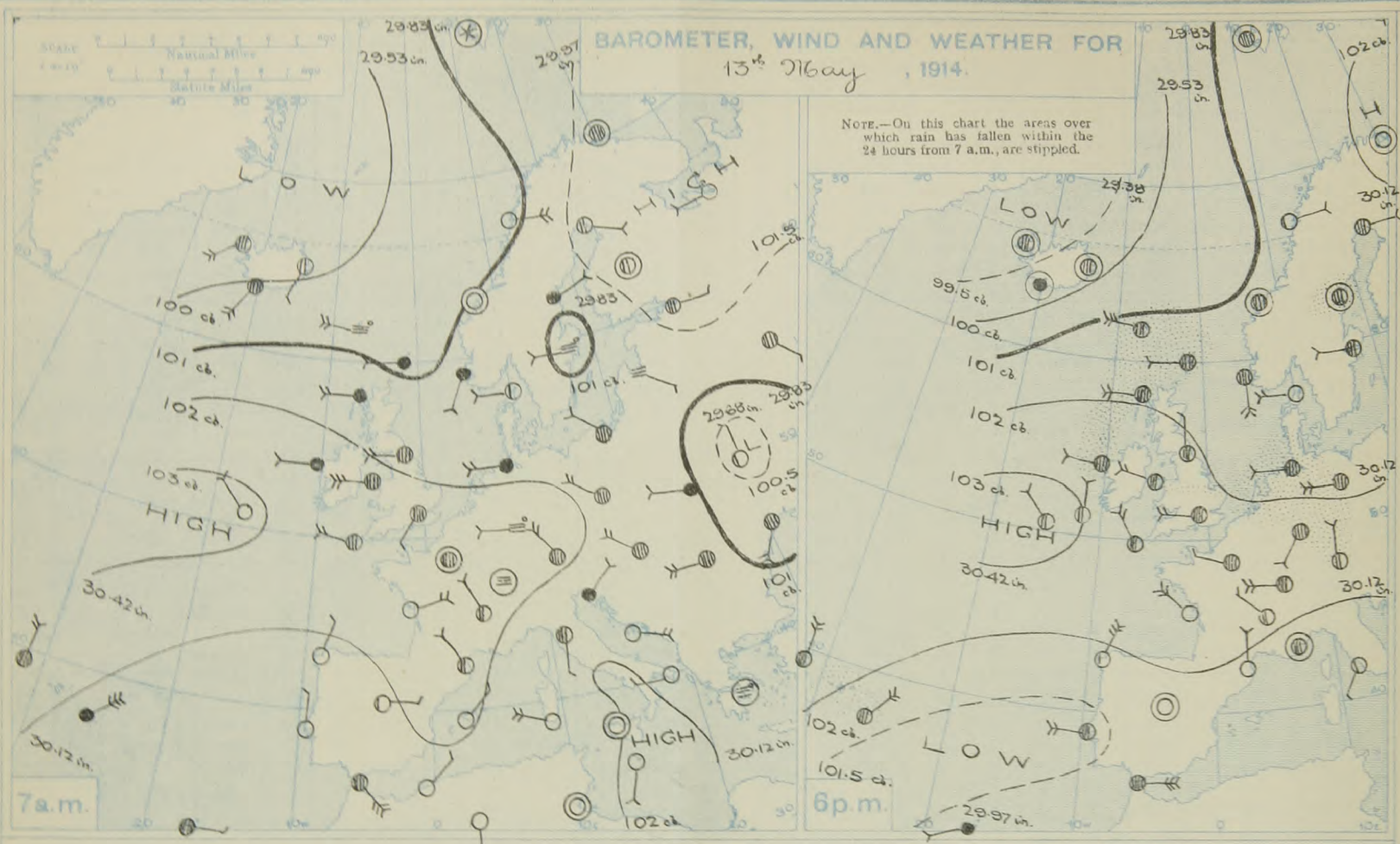
* Information for these columns not usually received. † Received too late for insertion in Charts. ‡ The barometric change is expressed in half-millibars.

Equivalents of Millibars in Inches.

Millibars.	Inches of Mercury at 32° F. in Lat. 45.
940	27·76
950	28·05
960	28·35
970	28·65
980	28·94
990	29·24
1000	29·53
1010	29·83
1020	30·12
1030	30·42
1040	30·71
1050	31·01

1,000 millibars are equivalent to 14½ lbs. per square inch (in Lat. 45).

100 millibars to one pound and a half per square inch.



FORECASTS FOR THE 24 HOURS NOON THURSDAY to NOON FRIDAY.

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.

0 a, b — Moderate or light Westerly winds; mostly fair, occasional showers; moderate temperature.

1, 2 a, b — Light Westerly breezes; fair or fine generally; mild.

3, 4 a, b — Light variable breezes; fine, mild.

5 — Light variable airs, finally Easterly or South-Easterly; fine; warmer.

6 a, b, 7 a, b — Same as Nos. 1 and 2.

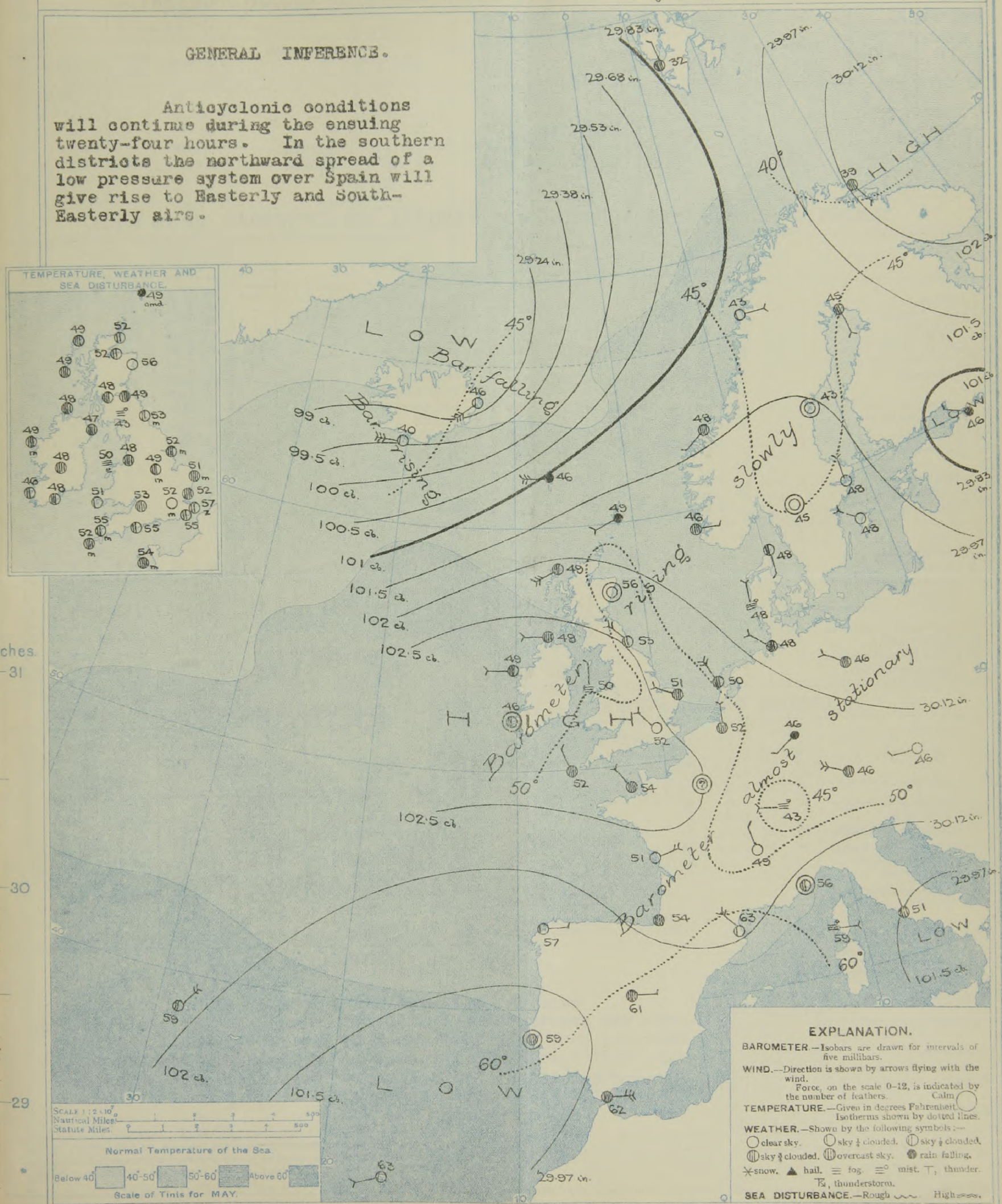
8 a, b — Same as No. 5.

9 a, b, 10 a, b — Light variable breezes; fair or fine generally; rather warmer.

Western Channel and Bay. 11 — Light or moderate Easterly winds; sea slight or moderate; weather fair; rather warmer.

FURTHER OUTLOOK. English Districts. Fair weather likely to continue.

SYNOPTIC CHART FOR 7 a.m., Thursday, 14th MAY, 1914.



OBSERVATIONS from the ATLANTIC OCEAN received by RADIOTELEGRAPHY.

Date and Hour.	Position. Lat. N.	Position. Long. W.	Name of Ship.	O = Outward. H = Homeward.	Barometer. Reading.	Barometer. Change in 3 hours.	Wind. Direc.	Wind. Force.	Weather.	Date and Hour.	Position. Lat. N.	Position. Long. W.	Name of Ship	O = Outward. H = Homeward.	Barometer. Reading.	Barometer. Change in 3 hours.	Wind. Direc.	Wind. Force.	Weather.
	°	°			mb.	‡		(0–12).			°	°			mb.	‡		(0–12).	
13th, 6pm	50	14	Haverford	H	1030·1	−2	NW	1–3	bc	13th, 7a.m.	50	17	Haverford	H	1032·1	−1	NW	1–3	b
" "	51	11	Cymric	H	1030·8	+1	N	1–3	bc	" "	50	15	Cymric	H	1031·1	−2	NW	1–3	?

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

	Stations.	Rainfall.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 6 p.m.
		mm.§	°F.	°F.			Hr.
Scotland	Oban	1	51	43	d o	ob.c.	0·0
	St. Andrews	–	63	41	*	*	4·7
	Stonehaven	–	61	41	c·bc	bc	0·8
	Carnoustie	1	64	41			2·4
Eng. N.E.	Harrogate	–	59	41	c·bc	bc·c.	3·6
	Scarborough	*	55	42	o	o	0·0
	Skegness	–	56	42	c·o	og	0·0
Eng. N.W.	Douglas (I. of M.)	2	55	40	ob	c	2·5
	Morecambe	1	55	45	o·bc	b	3·3
	Blackpool	–	54	44	od	o.c.	1·1
	Southport	2	53	44	od.o.	od.o.	0·2
Midlands	Buxton	1	52	38	or	or.c.	0·0
	Leamington Spa	–	56	39	o	o	0·1
	Malvern	–	59	43	c	c	0·0
Wales	Rhyl	1	56	45	o	o·bc	0·2
	Colwyn Bay	1	57	43	d·bc	c	0·3
	Llandudno	2	53	44	o	o	0·0
	Aberystwyth	–	52	46	o.c.o	c.o.	0·0
	Tenby	–	59	43	o	o.c	1·0
England, E.	Lowestoft	1	53	41	o.c.o	o	0·1
	Felixstowe	–	55	43	om	om	0·3
	Walton-on-Naze	–	55	40	o	c.om	0·7
	Southend-on-Sea	–	55	43	o	o	0·0

	Stations.	Rainfall.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 6 p.m.
		mm.§	°F.	°F.			Hr.
England, S.E.	Margate	–	56	41	o.c.	c·bc.o.	1·2
	Ramsgate	–	56	40	o	o	0·9
	Folkestone	–	57	44	o·bc.o.	o·bc.o.	1·7
	Hythe	trace	57	40	m.o·bc	bc	0·8
	Littlestone	*	*	*	*	*	0·5
	Hastings	–	56	43	p.c	o	0·1
	Bexhill-on-Sea	–	56	42	o	o	0·7
	Eastbourne	–	56	43	o·bc.	o.c.	1·3
	Seaford	–	55	41	bc	c	0·7
	Brighton	–	55	42	o.c.o.	o	0·1
	Worthing	–	56	42	o	o	0·1
	Littlehampton	–	*	*	*	*	0·0
	Bognor	–	55	41	o	o	0·5
	Southsea	–	55	43	o.cb.	o	0·2
	Ryde	–	54	42	o	o	0·1
	Ventnor	–	56	42	*	*	0·7
	Bournemouth	–	54	41	o	o	0·0
England, S.W.	Weymouth	–	55	52	bc·c	c	0·1
	Exmouth	–	57	41	b·bc.	c.bc.	0·7
	Teignmouth	–	57	42	c	c.bc	0·5
	Torquay	–	59	41	o.c.	bc	1·0
	Paignton	–	58	39	c	c	0·6
	Falmouth	–	57	42	o.c.b.o.	o.c.bc	3·4
	Bude	–	54	45	c.o	o	0·1
	Ilfracombe	–	54	48	o	o	0·0
	Weston-super-Mare	–	55	45	c	c.bc.c.	0·3

LONDON OBSERVATIONS.

Stations.	Humidity. 3 p.m. Yesterday.	Humidity. 9 a.m. To-day.	Sunshine for Yesterday.	Temperature. In Screen. Max. (24 hours ended 9 a.m. To-day)	Temperature. In Screen. Min.	Temperature. Min. on Grass.	Rainfall.	Weather. Forenoon.	Weather. Afternoon.	Weather. Night.
	%	%	Hr.	°F.	°F.	°F.	mm.§			
Greenwich (Royal Obsy.)	71	74	0·0	59	45	34	–	o	o.c.	c.bcb
City (Bunhill Row)	*	*	0·0	*	*	*	*	*	*	*
Westminster (St. James's Pk.)	85	81	0·0	61	47	41	–	o	o.c.	bcb.
Camden Sq. (Brit. Rainfall)	69	68	0·0	63	44	38	–	o	o	*
Hampstead (Reservoir)	*	73	0·0	60	46	37	–	o	o.c.	bc
Richmond Park	*	*								
Kew. (See front page.)										
S. Kensington (Roof of M.O.)	77	77	0·0							

Vertical Component of Solar Radiation per square Centimetre during Yesterday.

Total.	Average Rate.	Max. Rate.
667 Joules	12·0 Milliwatts.	44·0 Milliwatts.

Additional Observations for Yesterday.

Stations.	Rainfall.	Temperature. In Screen. Max.	Temperature. In Screen. Min.	Temperature. Night Min. on Grass.	Weather. Night.	Weather. Forenoon.	Weather. Afternoon.	Sunshine for Yesterday.
	mm.§	°F.	°F.	°F.				Hr.
Dublin to 4 p.m.	1	62	42	41	otg	o	o.cb	*
Plymouth to 9 p.m.		56	39	34	o	c.b	o	0·2
Darwen "	b	50	40	39	ou.r	or	ofu	0·0
Manchester "	3	53	43	*	or	od	od.o	0·0
Birmingham "	–	57	41	32	o	o	o	0·4
Oxford to 8 p.m.	*	56	40	34	o.c.o	o	o	*
S. Kensington (Museum Grounds to 6 p.m.)	–	55	44	40	o	o.o7	o	*

Table showing the Greenwich Times of Sunrise, Noon and Sunset for Stations in the United Kingdom To-day and To-morrow.

14th & 15th May, 1914.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth	4·0 3·59	11·49 11·49	7·38 7·39
Greenwich	4·12 4·10	11·56 11·56	7·40 7·42
Wick	3·50 3·48	12·8 12·8	8·27 8·29
Valencia	4·50 4·48	12·37 12·37	8·24 8·25

NOTES ON YESTERDAY'S WEATHER.

Fair but dull weather prevailed during yesterday over the country as a whole, at the majority of stations less than one hour of bright sunshine was experienced. Slight rain fell locally in the north. Temperature reached 64° at Carnoustie, 63° at St. Andrews. Over England the maxima were only a few degrees above 50°.

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. Single copies 1d. at M.O. and at the bookstalls at certain Railway Termini in London.

Printed at the Meteorological Office, South Kensington, London, S.W. By Wyman & Sons Ltd., Fetter Lane, London, E.C., and Reading.

§ 1 m.m. is approximately 4 hundredths of an inch. ‡ The barometric change is expressed in half-millibars.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

Friday, 15th May, 1914.

	STATIONS.	Yesterday Evening: Barom. Millibars at M.S.L.	Temp.	Wind: Direc.	Wind: Force 0-12.	Weather.	This Morning 7 a.m., G.M.T: Barometer: Millibars at M.S.L.	Barometer: Change in 3 hours.	Temp.: Dry Bulb.	Temp.: Change in 24 hours.	Wind: Direc.	Wind: Force 0-12.	Direc. of Upper Cloud	Weather.	Seal 0-9.	Past 24 Hours: Rainfall. Millimetres.	Temp.: Max.	Temp.: Min.	Weather: Morning.	Weather: Afternoon.	Weather: Night.	Sunshine for Yesterday.
			°F.					‡	°F.	°F.							°F.	°F.				Hours.
BRITISH ISLANDS.	Lerwick ...	1022.6	50	WSW	3	c	1024.2	+3	47	-2	WSW	3	W	cd	2	trace	52	45	c	c	cmd	*
	Stornoway ...	1021.5	54	SW	5	bcq	1027.2	+6	49	0	WSW	4	W	bc	4	trace	57	46	cq	bcq	o.bc	6.2
	Castlebay (Barra Isd.)	1024.8	50	SW	3	o	1027.5	+3	49	0	NW	4	–	o	4	0.3	50	46	o	o	c	0.0
	Glasgow ...	1024.5	57	W	3	bc	1027.0	+3	49	+1	W	2	SW	b	*	–	60	43	o.c.b.c.b	b.bc.c	bc.bx	7.7
	Eskdalemuir ...	1024.8	55	S	3	b	1027.5	+1	41	-2	–	0	–	bm	*	trace	63	36	bm.bc	b.bc	bcmw	11.3
	Malin Head ...	1025.8	52	NW	3	bc	1028.0	+2	50	+2	NW	3	NW	bc	2	–	54	47	cm	bcm	bcm	*
	Blacksod Point	1026.6	54	W	2	bcq	1028.2	+1	51	+2	NNE	1	N	om	2	–	55	47	cm.bcq	bq	cm	*
	Valencia ...	1026.4	52	NW	2	om	1026.4	+2	51	+5	–	0	–	b	3	–	57	45	bcq	bm	bc	7.3
	Roche's Point	1026.0	54	S	1	b	1026.4	*	50	+2	NW	2	–	b	2	–	55	47	c.b	b	bm.b.	*
	Birr Castle ...	1025.0	65	–	0	b	1026.7	*	45	-3	W	1	–	f	*	–	65	41	bc	b	f	9.4
	Donaghadee ...	1026.6	51	SSE	3	bq	1028.4	+2	49	+2	N	2	–	bq	1	–	56	43	bcq	bq	bq	*
	Liverpool (Bidston)	1026.4	52	NW	1	bc	1026.9	0	48	0	N	1	–	c	1	–	53	46	o	bc	bm.	1.0
	Holyhead ...	1027.0	53	N	2	bq	1027.9	+1	49	-1	ENE	3	–	cf	2	–	54	43	fe.bf	f.bc.cf	b.bc.fe	5.7
	Pembroke (St. Ann's)	1025.8	56	–	0	c	1027.1	+1	50	-1	NNE	1	–	b	0	–	60	46	b	c	cl.w	5.5
	Newquay ...	1025.2	51	NW	1	o	1025.1	0	53	-2	–	0	–	bq	1	–	58	43	c.o.bc	bc.cf	bcw	3.0
	Scilly (St. Mary's)	1025.3	57	N	1	bm	1025.3	+1	51	-1	NE	2	–	fe	2	trace	60	47	cm	bm	cm fe	6.1
	Jersey (St. Aubin)	1025.1	63	N	2	b	1025.2	*	59	+5	NE	2	–	cm	1	–	64	50	o cm	b	bm cm	4.7
	Portland Bill ...	1025.2	55	–	0	b	1026.5	0	54	-1	N	1	NE	c	1	–	60	51	b	b	bc.c	*
	Dungeness ...	1025.4	55	NE	2	cq	1026.4	+1	53	-2	E	3	E	o	2	–	63	43	bc	bc.o	bc.b.o	*
	Dover	1025.4	55	E	1	oq	1026.4	*	53	-4	NE	2	–	o	3	–	61	45	bc.c	bc.coq	o.c.o	4.2
	Wick	1023.6	49	NE	3	bc	1026.0	+4	51	-1	WNW	1	W	c	2	–	58	45	bcq.cq	cq.bc	cm	*
	Nairn	1022.9	63	W	2	bc	1027.0	*	52	0	W	2	–	cq	2	–	67	47	b	b	bcm	9.6
	Aberdeen ...	1023.9	52	E	2	b	1026.8	+4	51	-5	NNW	2	SW	bc	2	–	62	43	b	b	b.bc	10.8
	Leith	1023.7	62	SW	2	b	1026.2	+3	51	+2	WSW	2	–	c	*	–	64	47	o.bc.b.	b	b	*
	North Shields ...	1025.8	54	S	3	b	1027.2	0	52	-1	W	2	–	bcm	2	–	64	48	bc	bc	bcm	10.6
	Spurn Head ...	1025.0	52	ESE	2	bc	1025.7	+1	52	0	SSE	3	–	c	2	–	58	48	cm	bcm	cm	3.7
	Yarmouth ...	1026.0	52	NE	4	bc	1027.5	+2	52	+1	E	2	E	bc	1	–	59	46	om.bc	bc.c	bc	4.7
	Clacton-on-Sea	1025.4	54	ESE	1	oq	1026.4	+1	52	0	E	1	NE	c	1	–	57	46	oq	oq	oq cmw	0.0
	Nottingham ...	1024.7	61	W	1	c	1026.5	*	43	-6	SW	1	–	f	*	–	67	41	c.bcm	bc.cm	c.o.	4.9
	Bath	1025.0	66	N	1	c	1026.4	*	55	+2	NE	1	N	c	*	–	68	49	m.o	o.c.bc	bc.b.om	6.7
	London (Kew Obsy.)	1024.8	64	NE	2	o	1026.4	+1	55	+3	E	1	N	om	*	–	68	52	bm.bbc.c	c.o	o f m.	7.2
ICELAND, FAEROE, &c.	Spitzbergen ...	9966	36	SE	5	bc	983.1	0	36	+4	SE	4	–	c	*	*	41	30				
	Isafjord... ...	9993	35	NW	5	bc	999.1	+7	34	-3	NW	9	–	o	*	*	*	*				
	Reykjavik ...	1003.7	43	WNW	1	c	1007.7	+5	37	-4	W	6	–	s	*	*	*	*				
	Vestmanna ...	1003.9	41	W	5	c	1009.6	+7	38	-2	W	8	–	bc	2	*	*	*				
	Seydisfjord ...	999.4	58	SW	3	b	1001.6	+2	40	-6	WSW	4	–	b	*	*	*	*				
	Thorshavn ...	1012.7	47	WSW	5	o	1017.0	+3	43	-3	WNW	7	–	bc	*	*	*	*				
NORTHERN EUROPE.	Vardö	1012.6	37	SE	3	c	1007.0	-3	41	+2	W	3	–	b	2	*	41	36				
	Bodö	1016.9	43	E	2	r	1010.9	0	43	0	SSW	2	–	r	2	13	48	43				
	Christiansund	1018.4	46	W	5	o	1019.3	0	50	+2	SW	1	–	o	3	–	50	46				
	Skudesnaes ..	1023.1	48	NNW	3	b	1026.1	+2	50	+4	NNW	3	–	b	2	–	54	43				
	Færder (X'iania Fjord)	1021.3	50	SSW	2	bc	1024.2	+2	46	0	SSW	2	–	f	1	–	52	45				
	The Scaw (Skagen)	1022.7	57	S	1	b	1025.6	+2	46	-2	SSW	1	–	m	*	–	66	41				
	Blaavands Huk	1023.5	50	NNW	2	c	1027.5	+3	48	0	W	1	–	o	1	–	52	43				
	Haparanda ...	1013.6	48	SW	2	b	1013.5	0	45	0	SW	2	–	b	*	–	54	34				
	Hernösand ...	1017.9	54	S	2	b	1020.7	0	54	+11	S	2	–	b	*	–	55	41				
	Stockholm ...	1018.6	57	WSW	2	b	1023.1	+3	54	+6	W	2	–	c	*	–	61	48				
	Wisby	1021.2	48	WNW	2	b	1026.0	+3	52	+4	SW	2	–	m	*	–	55	43				
	Karlstad	1019.8	55	SSW	2	b	1024.7	+3	50	+5	W	2	–	b	*	–	61	39				
	St. Petersburg														*		*					
CENTRAL EUROPE.	Berlin	1021.3	46	SE	1	b	1026.7	+3	50	+4	E	2	–	b	*	7	55	41				
	Frankfurt... ...	1021.2	52	NE	1	r	1025.2	+3	48	+2	NE	3	NE	b	*	0.3	54	43				
	Munich	1021.5	43	NW	4	r	1022.4	+1	41	-5	N	5	–	r	*	11	48	41				
	Vienna														*							
	Cuxhaven ...	1023.1	52	NNE	2	bc	1027.1	+3	52	+4	SE	2	–	b	0	3	54	43				
	The Helder ...	1024.7	50	N	3	o	1027.8	+1	50	0	NE	1	–	o	1	0.3	52	46				
	Brussels	*	*	*	*	*	1026.0	+2	48	-4	NE	1	–	o	*	0.3	57	?				
FRANCE.	C. Gris Nez ...	1024.6	53	NE	1	c	1025.6	+1	52	-2	NE	4	*	o	1	–	61	48				
	La Hève	1025.0	57	NNE	2	m	1025.5	*	57	+6	ENE	1	*	m	0	–	61	50				
	Ushant	1024.6	53	NE	3	c	1024.6	*	54	+1	?	3	*	b	3	–	59	46				
	Brest (St. Mathieu)	1024.3	55	N	1	o	1024.0	0	54	+2	ENE	2	*	bc	1	–	61	50				
	Rochefort (Ile d'Aix)	1021.0	65	ENE	4	bc	1021.1	0	54	+3	ENE	4	*	b	*	–	73	50				
	Biarritz	1017.3	63	NE	3	b	1017.3	+1	56	+2	ESE	1	*	b	1	–	73	50				
	Paris	1023.7	62	NNE	2	o	1024.8	+2	52	+2	NNE	2	–	o	*	0.3	64	50				
	Belfort	1023.5	47	W	4	m	1023.3	*	47	+4	E	3	*	m	*	1	55	43				
	Lyons	1022.1	58	N	2	b	1022.1	*	51	+2	NNW	1	*	o	*	–	62	47				
	Nice	1017.7	55	SW	2	c	1016.7	+3	59	+3	–	0	*	b	0	–	64	50				
	Perpignan ..	1018.3	66	–	0	b	1018.0	+1	59	-4	–	0	–	b	*	–	72	*				
	Sanguinaire ...	*	59	S	3	m	*	*	57	-2	E	2	*	m	3	–	64	55				
SOUTHERN EUROPE.	Corunna (7 a.m.)	1013.9	66	NE	4	b	1013.5	-1	59	+2	ESE	1	–	o	1	4	72	55				
	Madrid (8 a.m.) ...	1015.7	73	–	0	b	1017.0	+2	57	-4	ESE	1	–	o	*	–	75	54				
	Lisbon (9 a.m.)	1014.6	61	WNW	3	o	1013.3	+1	57	-2	–	0	–	o	2	2	64	55				
	Gibraltar	1017.2	62	E	3	o	1011.9	*	60	-2	E	3	–	*	0	1	63	59				
	Rome														*							
	Azores (Horta, 8 a.m.)	1023.4	*	NNE	4	b	1025.1	0	57	-2	–	0	–	c	2	–	64	55				
	Madeira (Funchal)	1013.7	59	N	2	r	1011.1	0	58	-5	N	2	–	o	2	4	66	55				

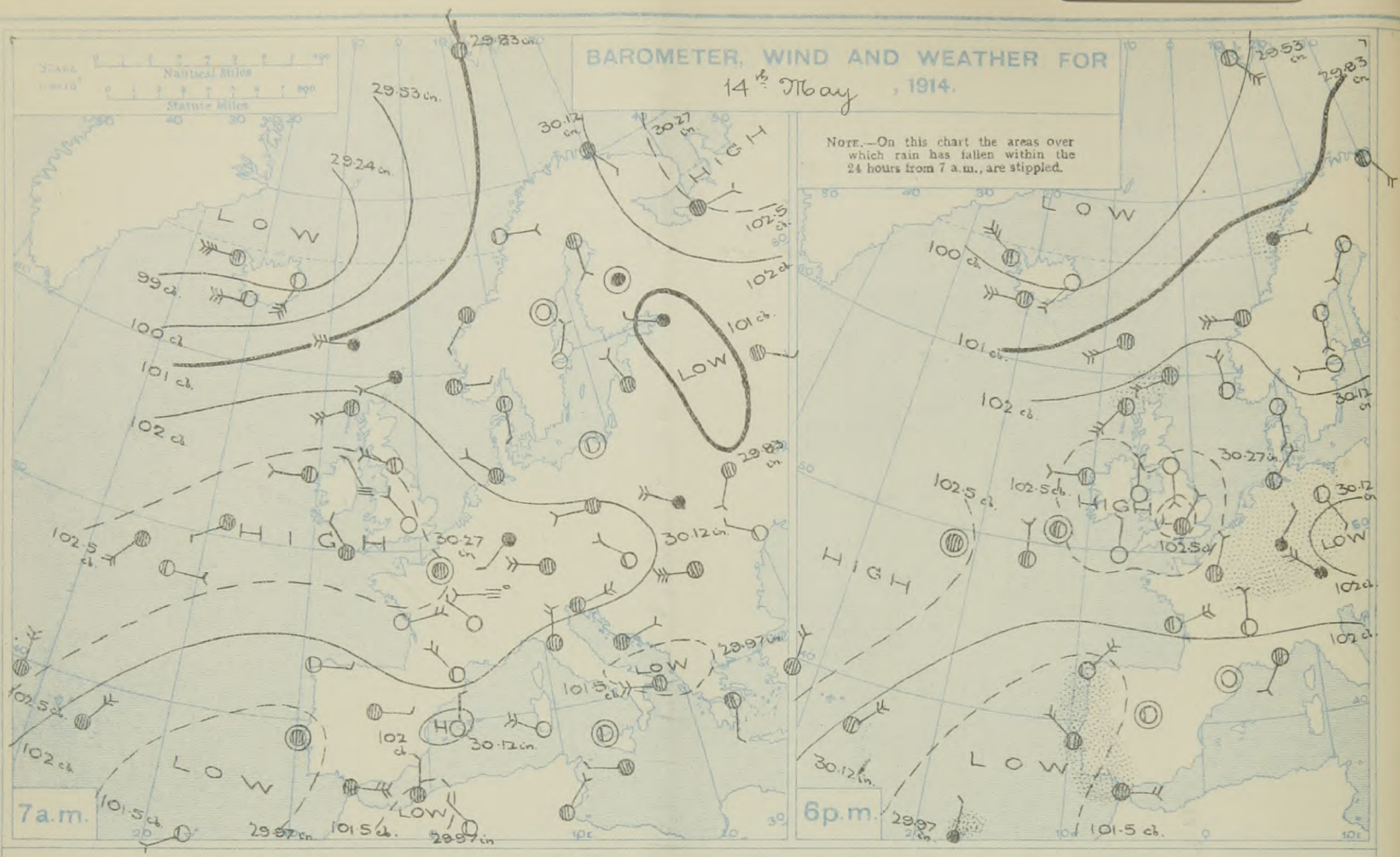
Equivalents of Millibars in Inches.

Millibars.	Inches of Mercury at 32° F. in Lat. 45.
940	27·76
950	28·05
960	28·35
970	28·65
980	28·94
990	29·24
1000	29·53
1010	29·83
1020	30·12
1030	30·42
1040	30·71
1050	31·01

1,000 millibars are equivalent to 14½ lbs. per square inch (in Lat. 45).

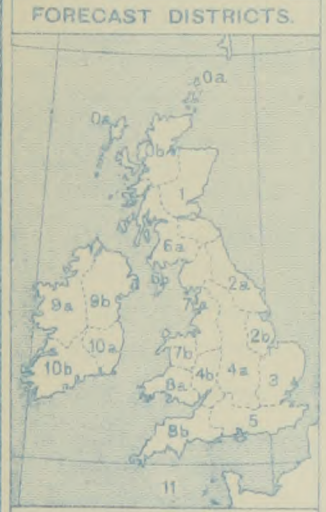
100 millibars to one pound and a half per square inch.

* Information for these columns not usually received. † Received too late for insertion in Charts. ‡ The barometric change is expressed in half-millibars.



FORECASTS FOR THE 24 HOURS NOON FRIDAY TO NOON SATURDAY.

FORECAST DISTRICTS.



STORM WARNINGS.

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

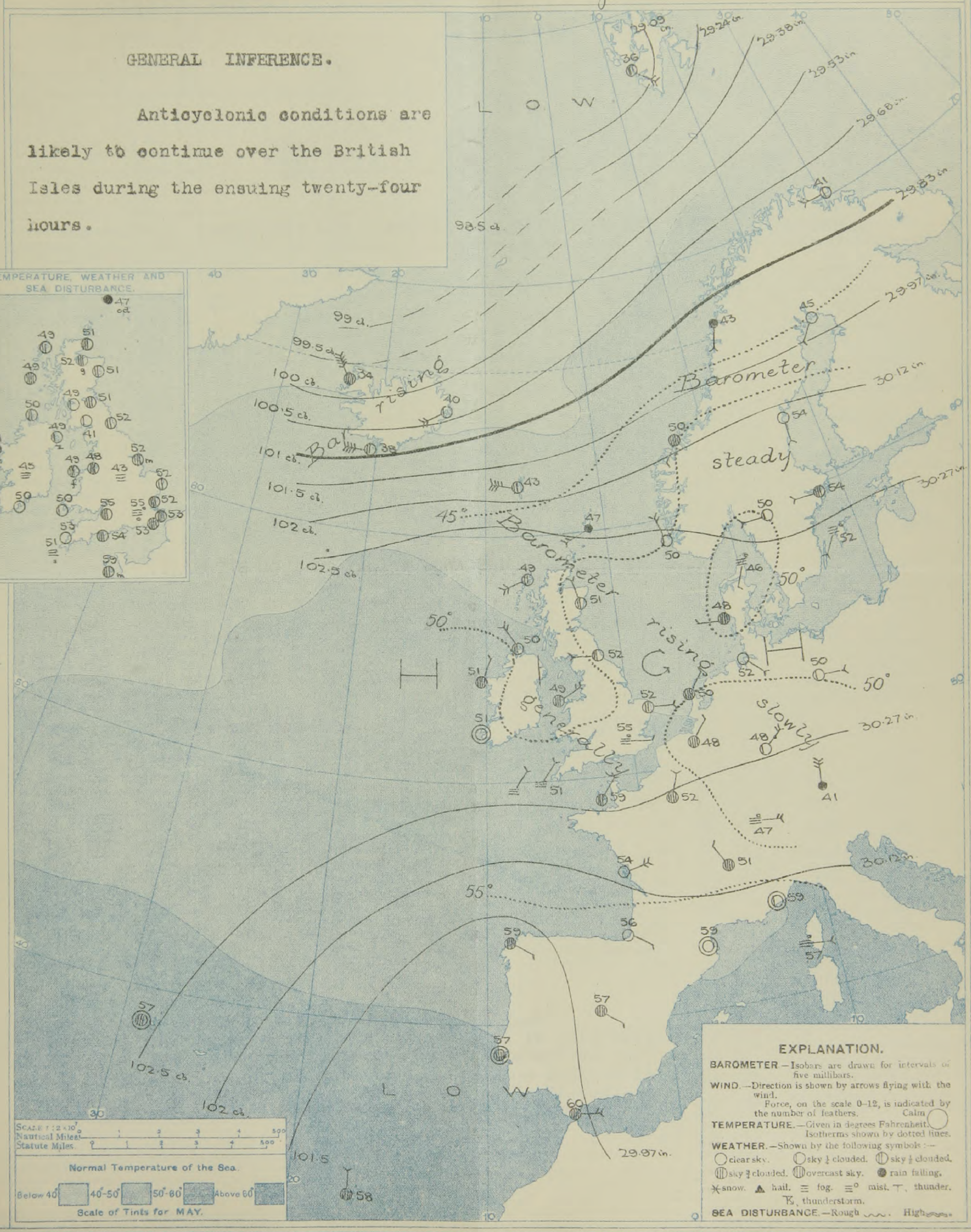
Signals hoisted yesterday.	Signals hoisted this morning.
South Cone.	South Cone.
North Cone.	North Cone.

No Warnings Issued.

0 a, b	Light or moderate Westerly winds; fair generally, occasional showers in Shetland region; moderate temperature.
1, 2 a, b	Light variable airs, mainly Westerly; fair or fine generally; rather warm.
3	Same as No. 5.
4 a, b	Calms and light variable airs; fair or fine generally; rather warm.
5	Light variable airs, mainly Easterly; fair or fine generally; rather warm, cool on coast.
6 a, b	Same as Nos. 1 and 2.
7 a, b	Light variable airs; fair or fine generally, some coast fog; rather warm.
8 a, b	Light Easterly airs; fair or fine generally, some coast fog; rather warm.
9 a, b, 10 a, b	Calms and light variable airs; fair or fine generally; moderate to rather warm temperature.
Western Channel and Bay. 11	Light to moderate or fresh Easterly winds, with a slight sea; some fog, otherwise fair.

FURTHER OUTLOOK.

SYNOPTIC CHART FOR 7 a.m., Friday, 15th MAY, 1914.



DAILY WEATHER REPORT. Friday, 15th May, 1914.

OBSERVATIONS from the ATLANTIC OCEAN received by RADIOTELEGRAPHY.

Date and Hour.	Position. Lat. N.	Position. Long. W.	Name of Ship.	O = Outward. H = Homeward.	Barometer. Reading.	Barometer. Change in 3 hours.	Wind. Direc.	Wind. Force.	Weather.
	°	°			mb.	‡		(0–12).	
15th, 7 a.m.	49	7	Olympic	H	1024·3	−1	NE	1·3	f
14th, 6 p.m.	49	21	Montfort	H	1027·7	0	—	0	o
" "	49	14	Olympic	H	1024·7	−1	N	1·3	c
" "	50	13	Baltic	H	1024·0	−1	—	0	c
14th, 7 a.m.	48	24	Montfort	H	1026·7	0	SW	4·5	o
" "	48	21	Olympic	H	1027·1	0	E	1·3	bc
" "	50	18	Baltic	H	1025·4	−1	WSW	1·3	o

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

	Stations.	Rainfall.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 6 p.m.
		mm.§	°F.	°F.			Hr.
Scotland	Oban	—	52	46	c.bc.b	c.bc.b.	4·0
	St. Andrews	—	70	42	*	*	12·7
	Stonehaven	—	61	50	b	bc	12·2
	Carnoustie	—	70	47	*	*	12·7
Eng., N.E.	Harrogate	—	66	47	b	b	12·3
	Scarborough	*	58	49	c	bc.b.	8·9
	Skegness	—	57	49	c.bc	b.o.	1·9
Eng., N.W.	Douglas (I. of M.)	—	58	47	o	bc	4·0
	Morecambe	—	57	47	o.bc	bc.b.	5·2
	Blackpool	—	54	47	o	c	3·5
	Southport	—	54	44	o	o.c.bc.	2·1
Mid. lands.	Buxton	—	53	45	bc	bc	0·5
	Leamington Spa	—	58	47	o.c.b.	bcg	5·5
	Malvern	—	61	44	c	c.bc.b.	0·5
Wales	Rhyl	1	53	49	o	o	0·0
	Colwyn Bay	—	52	49	c.bc.	bc.o	0·3
	Llandudno	1	54	49	o	o	0·0
	Aberystwyth	—	55	47	o.c.	o.c.b.	0·5
	Tenby	—	59	46	g	o.bc.	3·6
England, E.	Lowestoft	1	57	48	c.o.c.	c	3·3
	Felixstowe	2	57	47	omp	om bc	0·0
	Walton-on-Naze	—	57	45	om	om	0·0
	Southend-on-Sea	—	65	48	bc.	bc.c.o.	3·4
England, S.E.	Margate	—	59	48	o.c.bc	c	0·9
	Ramsgate	—	59	48	o	o	1·6
	Folkestone	—	62	50	bc	c.o.	3·4
	Hythe	—	62	48	b	b	3·4
	Littlestone	*	*	*	*	*	6·3
	Hastings	—	63	49	o.bc.b.	b.bc.	6·0
	Bexhill-on-Sea	—	61	48	b	o	6·4
	Eastbourne	—	64	48	bc.b	bc	7·6
	Seaford	—	61	45	o	bc	7·9
	Brighton	—	62	47	bc.c.	c.o.	8·6
	Worthing	—	66	46	b.bc	bc.o	7·6
	Littlehampton	—	*	*	*	*	6·7
	Bognor	—	?	47	b.bc	o	6·6
	Southsea	—	67	45	bc	bc.c.	7·6
	Ryde	—	65	50	bc	bc	7·5
	Ventnor	—	66	50	*	*	9·0
	Bournemouth	—	68	46	bc	b	9·5
England, S.W.	Weymouth	—	65	48	bc	b	10·4
	Exmouth	—	62	49	b	b	10·7
	Teignmouth	—	64	49	bc.b	b	10·0
	Torquay	—	63	47	bc	b	11·8
	Paignton	—	63	46	bc.b	b	11·0
	Falmouth	—	62	49	o.c.	c.o.g.b.	6·4
	Bude	—	58	51	bc.f.c.	c.bc	4·1
	Ilfracombe	—	58	48	bc.b.	b.	9·2
	Weston-super-Mare	—	64	49	b.bc.b.	b	9·0

LONDON OBSERVATIONS.

Stations.	Humidity. 3 p.m. Yesterday.	Humidity. 9 a.m. To-day.	Sunshine for Yesterday.	Temperature. In Screen. Max. (24 hours ended 9 a.m. To-day)	Temperature. In Screen. Min.	Temperature. Min. on Grass.	Rainfall.	Weather. Forenoon.	Weather. Afternoon.	Weather. Night.
	%	%	Hr.	°F.	°F.	°F.	mm.§			
Greenwich (Royal Obsy.)	65	74	4·9	70	48	40	—	bc	bc.o	o.b.
City (Bunhill Row)	*	*	5·4	*	*	*	*	*	*	*
Westminster (St. James's Pk.)	75	82	6·6	68	53	48	—	bc	bc.	c.b.
Camden Sq. (Brit. Rainfall)	53	68	5·6	72	51	46	—	bc	bc	
Hampstead (Reservoir)	*	70	6·8	67	50	41	—	bc	bc	bc.b.
Richmond Park	*	*	7·5							
Kew. (See front page.)										
S. Kensington (Roof of M.O.)	66	75	6·8							

Vertical Component of Solar Radiation per square centimetre during Yesterday.

Total.	Average Rate.	Max. Rate.
1536 Joules	27·6 Milliwatts.	79·5 Milliwatts.

Additional Observations for Yesterday.

Stations.	Rainfall.	Temperature. In Screen. Max.	Temperature. In Screen. Min.	Temperature. Night Min. on Grass.	Weather. Night.	Weather. Forenoon.	Weather. Afternoon.	Sunshine for Yesterday.
	mm.§	°F.	°F.	°F.				Hr.
Dublin to 4 p.m.	—	58	48	48	o	c.b.	b	*
Plymouth to 9 p.m.	—	65	51	47	bw	c.b	c.b	8·5
Darwen "	trace	54	44	?	ou.m	ou	o.bc.	0·9
Manchester "	—	54	48	*	oe	o	o.bc	0·0
Birmingham "	—	58	47	44	o	o	c.b.	1·9
Oxford to 8 p.m.	*	68	45	39	cg ac.o	o.c.	c.bc.g.cg	*
S. Kensington (Museum Grounds to 6 p.m.)	—	68	49	39	o.c.bc.	bc.o	o	*

Table showing the Greenwich Times of Sunrise, Noon and Sunset for Stations in the United Kingdom To-day and To-morrow.

15th & 16th May, 1914.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth	3.59 3.58	11.49 11.49	7.39 7.40
Greenwich	4.10 4.9	11.56 11.56	7.42 7.43
Wick	3.48 3.46	12.8 12.8	8.29 8.31
Valencia	4.48 4.47	12.37 12.37	8.25 8.26

NOTES ON YESTERDAY'S WEATHER.

Fair or fine weather prevailed, but there was a good deal of cloud in the south-eastern part of the country. Over 12 hours of bright sunshine were recorded in the north of England and the east of Scotland, and 10 hours in the south-west of England. The maximum temperature reached 68° in London, Bath and Bournemouth, 67° at Nottingham.

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. Single copies 1d. at M.O. and at the bookstalls at certain Railway Termini in London.

Printed at the Meteorological Office, South Kensington, London, S.W. By Wyman & Sons Ltd., Fetter Lane, London, E.C., and Reading.

§ 1 m.m. is approximately 4 hundredths of an inch. ‡ The barometric change is expressed in half-millibars.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

Saturday, 16th May, 1914.

	Stations.	Yesterday Evening. Barom. Millibars at M.S.L.	Temp. °F.	Wind Direc.	Wind Force 0-12	Weather.	This Morning 7 a.m., G.M.T. Barometer. Millibars at M.S.L.	Change in 3 hours. ‡	Temp. Dry Bulb. °F.	Temp. Change in 24 hours. °F.	Wind Direc.	Wind Force 0-12.	Direc. of Upper Cloud	Weather.	Sea 0-9.	Past 24 Hours. Rainfall. Millimetres.	Temp. Max. °F.	Temp. Min. °F.	Weather. Morning.	Afternoon.	Night.	Sunshine for Yesterday. Hours.
BRITISH ISLANDS.	Lerwick ...	1031·7	50	WSW	3	bc	1032·4	−1	46	−1	-	0	–	bc	0	–	52	40	bc	bc	c.bc.	*
	Stornoway ...	1031·1	52	E	4	c	1028·6	0	49	0	SW	2	SW	bc	2	–	57	43	bc	bc.c	o.bc	9·9
	Castlebay (Barra Isd.)	1029·6	51	NW	4	bc	1028·0	0	50	+1	NW	3	–	c	3	–	53	47	o.b	bc	bc.o.c.	12·8
	Glasgow ...	1029·0	53	ENE	4	bc	1030·1	0	47	−2	ENE	3	–	o	*	trace	68	46	b	bz.bc	c.o.dp	8·4
	Eskdalemuir ...	1028·3	54	W	4	c	1030·4	0	48	+7	NE	2	NE	om	*	–	68	40	bem.bc	bc.c	o.om.	9·6
	Malin Head ...	1029·5	51	NE	3	b	1027·9	−1	49	−1	ESE	2	–	bz	2	–	53	46	cm	bc	bcw	*
	Blacksod Point	1027·7	53	NE	3	bz	1027·2	0	52	+1	–	0	E	bz	1	–	55	46	oz	bc.bz	bzw	*
	Valencia ...	1024·7	58	SSE	2	bcz	1026·7	+2	48	−3	E	1	E	of	3	–	63	40	bcz	bcz	bcf	11·5
	Roche's Point	1026·1	54	SSE	3	b	1026·7	*	51	+1	NE	1	SE	c	1	–	55	46	bf.bm	bm	bbc.cm	*
	Birr Castle ...	1025·0	65	E	1	bc	1026·4	*	47	+2	NE	1	E	b	*	–	66	43	bc	b	b	10·3
	Donaghadee ...	1028·2	52	N	3	c	1028·7	0	50	+1	S	2	–	bf	2	–	56	49	bz	c	c.om	*
	Liverpool (Bidston)	1026·3	51	NW	1	c	1029·2	+1	48	0	ESE	4	W	o	3	–	56	48	bm	b	om	8·8
	Holyhead ...	1027·5	50	N	2	bz	1028·7	+1	52	+3	SE	1	NE	bm	1	–	57	48	c.b.bcz	bc.bcz	b.bcf	12·6
	Pembroke (St. Ann's)	1024·7	60	NNE	2	b	1027·0	?	53	+3	SE	3	–	bm	3	–	64	50	b	bm	b	12·7
	Newquay ...	1028·7	60	N	1	bz	1025·3	+2	58	+5	E	2	–	b	1	–	60	47	bz	bz	b	12·5
	Scilly (St. Mary's)	1023·9	55	NE	2	m	1024·5	+1	54	+3	E	4	–	bm	4	–	63	50	f.bm	bm.f	bm	11·5
	Jersey (St. Aubin)	1023·2	61	ENE	4	b	1024·3	*	55	−4	E	4	–	bm	3	–	66	50	b	b	bm	11·7
	Portland Bill ...	1025·6	54	E	2	bc	1026·3	+1	51	−3	NE	4	–	b	4	–	57	48	c.bc.b	b.bc	bc.b.	*
	Dungeness ...	1026·4	53	NE	4	b	1027·4	+1	55	+2	NE	2	–	b	2	–	58	50	o.c.bcv	bcv.b	b	*
	Dover	1025·7	51	NNE	4	b	1027·4	*	56	+3	NE	3	–	b	3	–	57	47	o.c.bc	bc.c.b	b	6·1
	Wick	1031·7	50	NW	2	bc	1029·6	−2	47	−4	SE	4	–	o	3	–	54	45	cm.bc	bc	bc.o.	*
	Nairn	1030·4	50	NE	2	o	1029·2	*	51	−1	–	0	–	bcm	1	–	57	44	oz	bc	o.cm	2·4
	Aberdeen ...	1031·7	50	NE	2	o	1031·5	0	48	−3	SSW	2	–	odm	2	trace	60	43	bc.c	c.o	o.dm	2·8
	Leith	1030·6	52	ENE	2	b	1030·1	−1	50	−1	ESE	3	–	op	*	trace	62	47	b	b	bc.c.	*
	North Shields ...	1031·0	50	ENE	1	bm	1033·0	0	49	−3	SE	3	–	om	2	–	58	46	bem	bem	om	12·1
	Spurn Head ...	1027·4	52	SSE	5	bc	1030·8	+1	50	−2	E	3	–	o	2	–	54	47	bc	bc	o	10·6
	Yarmouth ...	1028·2	51	E	3	bc	1030·3	+2	52	0	NE	3	NE	cm	2	–	56	49	bc	bc	bc.cm	10·6
	Clacton-on-Sea	1027·1	51	ENE	3	bc	1028·8	+1	55	+3	NE	3	–	b	2	–	56	48	c.bc	bc.c.bc	bc.bzw	7·7
	Nottingham ...	1025·5	66	ESE	2	b	1030·9	*	49	+6	NE	3	NE	c	*	–	71	42	m.c.b.	bz	b.bc	10·1
	Bath	1024·4	67	SE	1	o	1028·4	*	50	−5	E	4	NE	o	*	–	71	48	m.c.bcu	u.o	o	6·4
	London (Kew Obsy.)	1025·8	61	E	4	bz	1028·9	+2	52	−3	ENE	3	E	om	*	–	66	48	om.obz	bz	bz.om	9·7
ICELAND, FAEROE, &c.	Spitzbergen ...	995·1	36	SSE	3	o	997·9	0	32	−4	S	6	–	s	*	*	36	23				
	Isafjord... ...	997·9	39	W	8	c	1001·2	+2	37	+3	W	9	–	c	*	*	*	*				
	Reykjavik ...	1007·4	44	SW	7	r	1011·3	+3	37	0	SW	4	–	r	*	*	*	*				
	Vestmanna ...	1011·7	44	W	9	c	1013·2	+1	41	+3	W	5	–	bc	2	*	*	*				
	Seydisfjord ...	1005·2	49	W	6	b	1008·7	+2	46	+6	W	3	–	b	*	*	*	*				
	Thorshavn ...	1025·6	48	WSW	6	c	1026·0	−1	45	+2	WSW	5	–	o	*	*	*	*				
NORTHERN EUROPE.	Vardö	1007·3	43	S	2	c	1014·1	+4	41	0	NW	6	–	b	3	*	43	36				
	Bodö	1017·5	44	SW	9	c	1027·3	+6	46	+3	SSW	6	SW	b	4	10	46	37				
	Christiansund	1028·0	47	W	4	c	1032·4	+1	48	−2	–	0	–	b	3	1	50	43				
	Skudesnaes ..	1024·1	48	N	2	b	1035·9	+5	48	−2	N	3	–	b	2	–	54	48				
	Færder (X'iania Fjord)	1027·3	48	SSW	4	o	1031·9	+3	50	+4	ENE	1	–	o	1	–	50	46				
	The Scaw (Skagen)	1027·5	54	WNW	1	o	1031·8	+3	52	+6	S	1	–	o	*	–	55	46				
	Blaavands Huk	1030·3	50	NW	1	b	1033·0	+2	50	+2	WNW	2	–	bc	1	–	52	46				
	Haparanda ...	1017·1	43	SW	4	bc	1027·5	+3	50	+5	NNW	2	–	b	*	–	50	41				
	Hernösand ...	1020·6	55	–	0	b	1034·6	+4	50	−4	N	2	SW	b	*	–	59	45				
	Stockholm ...	1024·7	59	W	2	b	1031·8	+3	55	+1	N	2	–	b	*	–	68	46				
	Wisby	1028·8	55	SSW	2	b	1032·8	+3	57	+5	SW	2	NW	b	*	–	59	45				
	Karlstad	1025·9	57	SW	2	b	1032·6	+4	52	+2	SE	2	–	o	*	–	64	46				
	St. Petersburg	1014·0	52	NW	1	bc	1029·7	+1	52	+4	W	1	–	b	*	–	52	45				
CENTRAL EUROPE.	Berlin	1027·1	57	E	3	b	1029·3	+1	55	+5	NE	3	–	b	*	–	63	45				
	Frankfurt... ...	1025·2	55	NE	2	b	1027·0	0	52	+4	NE	2	–	b	*	–	57	43				
	Munich	1024·2	43	W	2	c	1023·9	0	45	+4	N	3	–	o	*	3	50	39				
	Vienna	1020·2	52	NNW	3	o	1019·1	+1	39	−6	WNW	2	–	r	*	8	57	39				
	Cuxhaven ...	1028·8	54	NE	3	c	1031·7	+2	55	+3	E	1	–	b	0	–	57	48				
	The Helder ...	1028·7	54	NE	3	b	1030·6	0	54	+4	ENE	2	–	b	1	–	55	50				
	Brussels	*	*	*	*	*	1027·7	+1	54	+6	ENE	2	–	b	*	–	63	41				
FRANCE.	C. Gris Nez ...	1025·3	52	NE	4	b	1027·0	?	51	−1	ENE	3	*	m	2	–	57	46				
	La Hève	1024·0	59	NE	3	bc	1025·2	*	50	−7	ESE	3	*	f	2	–	63	48				
	Ushant	1022·3	55	ENE	4	bc	1021·9	*	52	−2	E	3	*	b	3	–	61	46				
	Brest (St. Mathieu)	1020·7	64	ENE	4	c	1022·4	+2	54	0	NE	3	*	b	1	–	79	50				
	Rochefort (Ile d'Aix)	1017·3	65	ENE	5	b	1016·3	0	52	−2	ENE	5	*	b	*	–	75	52				
	Biarritz	1011·9	73	ENE	4	b	1010·0	0	57	+1	ESE	4	*	b	1	–	77	54				
	Paris	1022·9	61	NE	2	o	1024·3	0	52	0	ENE	2	–	b	*	–	64	41				
	Belfort	1022·9	52	ENE	5	bc	1021·7	*	47	0	ENE	7	*	c	*	–	59	38				
	Lyons	1019·4	58	NNW	1	bc	1019·1	*	45	−6	NNW	1	*	bc	*	–	66	42				
	Nice	1015·5	57	–	0	c	1016·6	0	49	−10	E	1	*	r	2	1	66	48				
	Perpignan ..	1015·7	68	S	1	b	1014·4	+1	61	+2	S	2	*	b	*	–	72	*				
	Sanguinaire ...	*	64	W	1	m	*	*	61	+4	E	2	*	m	2	–	64	54				
SOUTHERN EUROPE.	Corunna (7 a.m.)	1011·9	61	NE	3	r	1012·0	+2	57	−2	–	0	–	r	4	10	66	55				
	Madrid (8 a.m.) ...	1009·6	72	SSE	2	o	1013·7	0	52	−5	SW	1	–	r	*	12	72	52				
	Lisbon (9 a.m.)	1011·7	64	WNW	3	bc	1013·2	+1	59	+2	W	1	–	b	2	–	66	57				
	Gibraltar							*														
	Rome	1015·8	61	NW	1	b	1015·7	+1	50	0	NW	1	–	c	*	–	68	50				
	Azores (Horta, 8 a.m.)	1024·0	*	N	3	o	1023·5	+1	59	+2	NNW	1	–	o	2	–	66	57				
	Madeira (Funchal)	1015·3	61	NW	3	b	1014·7	0	63	+5	NW	3	–	bc	3	–	64	58				

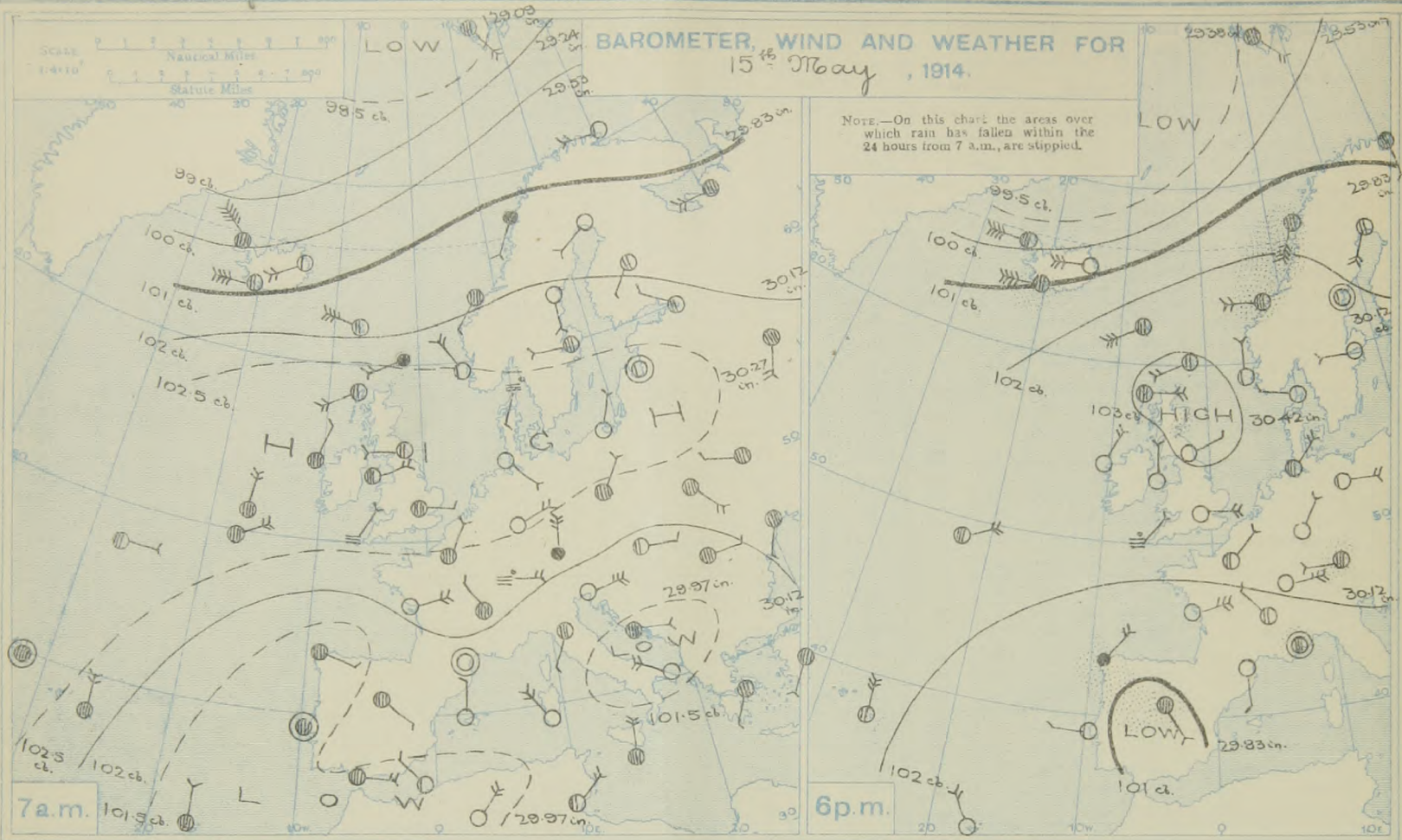
Equivalents of Millibars in Inches.

Millibars.	Inches of Mercury at 32° F. in Lat. 45.
940	27·76
950	28·05
960	28·35
970	28·65
980	28·94
990	29·24
1000	29·53
1010	29·83
1020	30·12
1030	30·42
1040	30·71
1050	31·01

1,000 millibars are equivalent to 14½ lbs. per square inch (in Lat. 45).

100 millibars to one pound and a half per square inch.

* Information for these columns not usually received. † Received too late for insertion in Charts. ‡ The barometric change is expressed in half-millibars.



FORECASTS FOR THE 24 HOURS NOON SATURDAY TO NOON SUNDAY.

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.

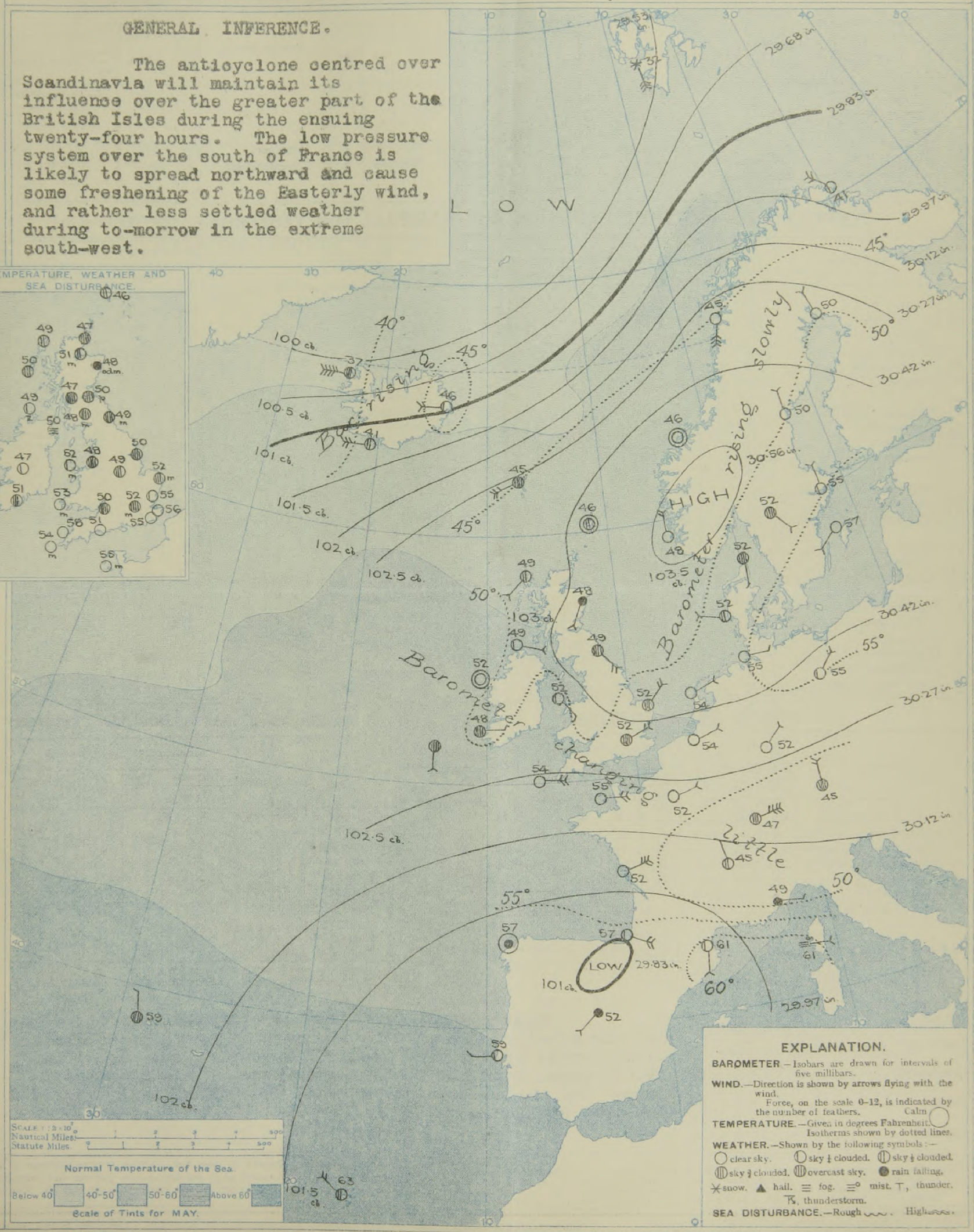
No Warnings Issued.

0 a, b	Light variable breezes, mainly South-Westerly; fair generally; normal temperature.
1	Light breezes from between South-East and South-West; fair generally; rather warm inland.
2 a, b	Moderate South-Easterly or Easterly breezes; fair to fine generally; cool on coast, rather warm inland.
3, 4 a, b	Moderate or fresh Easterly winds; fine generally; normal temperature.
5	Moderate or fresh Easterly winds, strong in exposed places; fair to fine generally; normal temperature.
6 a, b	Light breezes from between South-East and South-West; fair generally, some coast mist or fog; moderate temperature.
7 a, b	Moderate South-Easterly winds; fair generally; moderate to rather warm temperature.
8 a, b	Moderate to fresh Easterly winds, strong in exposed places; fair or fine; normal temperature.
9 a, b, 10 a, b	Moderate or light breezes, mainly Easterly; fair or fine generally, some mist or fog on coast; normal temperature.
Western Channel and Bay. 11	Moderate to fresh or strong Easterly winds, and fair weather; a moderate sea over mouth Channel and northern part of Bay; Westerly winds further south.

FURTHER OUTLOOK. Districts 5 and 8b. Less settled.

Millibars: 1050, 1040, 1030, 1020, 1010, 1000, 990, 980, 970

SYNOPTIC CHART FOR 7 a.m., Saturday, 16th MAY, 1914.



OBSERVATIONS from the ATLANTIC OCEAN received by RADIOTELEGRAPHY.

Date and Hour.	Position. Lat. N.	Position. Long. W.	Name of Ship.	O = Outward. H = Homeward	Barometer. Reading.	Barometer. Change in 3 hours.	Wind. Direc.	Wind. Force.	Weather.
	°	°			mb.	‡		(0-12).	
16th 7am	51	12	Alaunia	O	1026·7	+2	S	1-3	o
15th 7am	47	26	Minnewaska	H	1025·7	0	E	1-3	c
" "	50	17	Oceanic	O	1026·7	+1	NNE	4-5	c
" "	49	17	Montfort	H	1026·4	-1	NE	4-5	o

Date and Hour.	Position. Lat. N.	Position. Long. W.	Name of Ship	O = Outward. H = Homeward.	Barometer. Reading.	Barometer. Change in 3 hours.	Wind. Direc.	Wind. Force.	Weather.
	°	°			mb.	‡		(0-12).	
15th 7am	51	16	Virginian	O	1024·7	0	NNE	1-3	bc
" 6p.m	48	21	Minnewaska	H	1024·3	-1	ENE	4-5	c

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

	Stations.	Rainfall.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 6 p.m.
		mm. §	°F.	°F.			Hr.
Scotland	Oban						
	St. Andrews	–	58	45	*	*	10·3
	Stonehaven	–	61	43	c.bc	bc.c	3·6
	Carnoustie	–	57	44	*	*	10·1
Eng. N.E.	Harrogate	–	68	42	b	b.bc.c	9·0
	Scarborough	*	55	48	c.b	c.b	4·0
	Skegness	–	57	49	b	b	11·5
Eng. N.W.	Douglas (I. of M.)	–	65	43	b	bc.c	9·5
	Morecambe	–	66	44	o.bc	bc	7·5
	Blackpool						
	Southport						
Midlands	Buxton	–	65	36	b	bc	9·7
	Leamington Spa	–	68	46	c.bz	bcz	6·7
	Malvern	–	69	47	b.bc	b	9·5
Wales	Rhyl	–	57	47	b	bc	10·3
	Colwyn Bay	–	59	46	bc	b.bc	12·1
	Llandudno	–	63	46	b	b	10·4
	Aberystwyth	–	57	43	o.c.b	b.bc	10·8
	Tenby	–	69	42	b	b	12·0
	Bettws-y-Coed	–	64	45	b	b	9·5
England, E.	Lowestoft	–	51	45	bc.cv	bcv	9·6
	Felixstowe	–	55	41	bc.c	bc	6·1
	Walton-on-Naze	–	54	42	o.bc.c.o	bc.o.bv	4·7
	Southend-on-Sea	–	59	45	o.bc	bv	6·0

	Stations.	Rainfall.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 6 p.m.
		mm. §	°F.	°F.			Hr.
England, S.E.	Margate	–	58	44	b	b	5·7
	Ramsgate	–	54	46	o	bc	3·8
	Folkestone	–	56	48	o	o.bc.b	4·1
	Hythe	–	60	44	bc	bc	4·1
	Littlestone	*	*	*	*	*	6·6
	Hastings	–	58	48	bc.b	b	8·3
	Bexhill-on-Sea	–	56	48	b	b	10·2
	Eastbourne	–	57	48	b	b	13·5
	Seaford	–	63	48	b	b	13·2
	Brighton	–	59	41	bc	bc.c.bc	11·2
	Worthing	–	59	51	b.bc	b	11·7
	Littlehampton	–	*	*	*	*	11·4
	Bognor	–	?	51	b	b	10·5
	Southsea	–	59	52	bc	b	10·3
	Ryde	–	60	53	b	b	10·5
	Ventnor	–	62	52	*	*	10·4
	Bournemouth	–	62	50	bc.b	bz	9·2
England, S.W.	Weymouth	–	65	50	z.b	b.bcz	10·0
	Exmouth	–	61	44	b	b	10·8
	Teignmouth	–	60	45	b	b	11·2
	Torquay	–	62	47	b	b	12·5
	Paignton	–	60	42	b	b	12·0
	Falmouth	–	65	46	b	bc	10·8
	Bude	–	63	46	b	b.bcm	8·0
	Ilfracombe	–	63	48	z.b	bc	12·5
	Weston-super-Mare	–	70	46	b	b.bc.bz	10·5

LONDON OBSERVATIONS.

Stations.	Humidity. 3 p.m. Yesterday.	Humidity. 9 a.m. To-day.	Sunshine for Yesterday.	Temperature. In Screen. Max. (24 hours ended 9 a.m. To-Day.)	Temperature. In Screen. Min.	Temperature. Min. on Grass.	Rainfall.	Weather. Forenoon.	Weather. Afternoon.	Weather. Night.
	%	%	Hr.	°F.	°F.	°F.	mm. §			
Greenwich (Royal Obsy.)	68	75	12·3	65	45	36	–	b	b	b.bc
City (Bunhill Row)	*	*	10·2	*	*	*	*	*	*	*
Westminster (St. James's Pk.)	82	82	10·7	68	49	44	–	b	b	bc.c
Camden Sq. (Brit. Rainfall)	58	68	10·6	70	46	39	–	b	b	*
Hampstead (Reservoir)	*	88	12·3	63	44	36	–	bc	om	b
Richmond Park	*	*	10·9							
Kew (See front page.)										
S. Kensington (Roof of M.O.)	70	78	9·5							

Vertical Component of Solar Radiation per square centimetre during Yesterday.

Total.	Average Rate.	Max. Rate.
1738 Joules	31·1 Milliwatts.	66·0 Milliwatts.

Additional Observations for Yesterday.

Stations.	Rainfall.	Temperature. In Screen. Max.	Temperature. In Screen. Min.	Temperature. Night Min. on Grass.	Weather. Night.	Weather. Forenoon.	Weather. Afternoon.	Sunshine for Yesterday.
	mm. §	°F.	°F.	°F.				Hr.
Dublin to 4 p.m.	–	60	44	43	bz f.o	c.b	bc	*
Plymouth to 9 p.m.	–	64	44	38	o	b	c.b	12·5
Darwen "	–	65	40	36	bcw	bc	bc	6·2
Manchester "	–	63	39	*	f	f.bz	bz	2·5
Birmingham "					*			
Oxford to 8 p.m.	*	70	49	45	bz cz bm	bm.cz	cz bz	*
S. Kensington (Museum Grounds to 6 p.m.)	–	65	54	49	o.c.bm	bz b	b	*

Table showing the Greenwich Times of Sunrise, Noon and Sunset for Stations in the United Kingdom To-day and To-morrow.

16th 17th May, 1914.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth	3.58 3.57	11.49 11.49	7.40 7.41
Greenwich	4.9 4.8	11.56 11.56	7.43 7.44
Wick	3.46 3.44	12.8 12.8	8.31 8.33
Valencia	4.47 4.46	12.37 12.37	8.26 8.27

NOTES ON YESTERDAY'S WEATHER.

Fine weather prevailed over practically the whole of the country. From 10 to 12 hours of bright sunshine were experienced over a wide area. Temperature rose to 71° at Nottingham, Bath and Weston-super-Mare. Along the east coast the maxima were rather low, 50° being barely exceeded at some stations.

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. Single copies 1d. at M.O. and at the bookstalls at certain Railway Termini in London.

Printed at the Meteorological Office, South Kensington, London, S.W. By Wyman & Sons Ltd., Fetter Lane, London, E.C., and Reading.

§ 1 m.m. is approximately 4 hundredths of an inch. ‡ The barometric change is expressed in half-millibars.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

Sunday, 17th May, 1914.

	STATIONS.	Yesterday Evening. Barom. Millibars at M.S.L.	Temp. °F.	Wind. Direc.	Wind. Force 0–12.	Weather.	This Morning 7 a.m., G.M.T. Barometer. Millibars at M.S.L.	Barometer. Change in 3 hours. ‡	Temp. Dry Bulb. °F.	Temp. Change in 24 hours. °F.	Wind. Direc.	Wind. Force 0–12.	Direc. of Upper Cloud	Weather.	Sea 0–9.	Past 24 Hours. Rainfall. Millimetres.	Temp. Max. °F.	Temp. Min. °F.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Sunshine for Yesterday. Hours.
BRITISH ISLANDS.	Lerwick ...	1029.5	48	SSE	3	om	1027.8	-2	47	+1	SSE	2	–	c	1	0.3	50	48	bc.c	opm	om.c	*
	Stornoway ...	1029.0	54	ENE	1	o	1029.0	0	47	-2	S	1	W	o	1	–	57	43	bc.c	c.o	o	4.9
	Castlebay (Barra Isd.)	1028.2	51	NNW	3	bc	1027.4	0	49	-1	E	1	–	o	1	–	55	45	c.bc.o.c	c.o.bc	bc.b.o	9.4
	Glasgow ...	1028.0	58	E	2	o	1029.2	0	52	+5	–	0	W	o	*	–	60	47	o	o.c.o	o.c.om	1.6
	Eskdalemuir ...	1028.4	58	W	2	cg	1030.4	+1	45	-3	–	0	SW	bcmw	*	–	61	39	om	om.c	om.omw	1.4
	Malin Head ...	1028.6	54	NNW	1	g	1028.3	0	52	+3	S	1	–	m	1	–	58	47	bcg	bcg	bcg.w.	*
	Blacksod Point	1027.3	58	NNE	3	bg	1030.1	+2	51	-1	W	2	NW	om	2	–	61	49	bg	bg	bg.om	*
	Valencia ...	1027.4	57	WNW	1	bg	1030.5	+3	53	+5	–	0	–	bcm	3	–	60	45	o.bg	bg	cmw	11.4
	Roche's Point	1027.7	56	SE	1	b	1031.1	*	50	-1	N	1	N	cf	1	Trace	58	44	bg	bg	bm.cf	*
	Birr Castle ...	1026.4	69	WNW	1	bc	1028.8	*	51	+4	W	1	–	m	*	–	70	46	b	b	bcf	11.0
	Donaghadee ...	1028.2	59	S	3	bg	1029.6	+1	50	0	S	1	–	f	2	–	59	45	bf	bg	bg.bf.f	*
	Liverpool (Bidston)	1027.9	63	ESE	1	b	1030.1	+2	52	+4	SE	2	–	b	2	–	66	48	bm	b	bm	11.2
	Holyhead ...	1029.0	59	N	1	bm	1030.7	+3	54	+2	S	3	–	bm	2	–	62	49	bm	bm	bm	11.2
	Pembroke (St. Ann's)	1027.3	59	ENE	1	b	1029.9	+2	53	0	E	1	–	bm	1	–	62	49	b	b	b	13.0
	Newquay ...	1025.0	61	E	2	b	1028.8	0	56	-2	N	1	–	b	1	–	65	44	bg	bg	b	12.6
	Scilly (St. Mary's)	1025.5	58	E	3	bm	1028.6	+2	56	+2	ENE	2	–	bm	3	–	61	49	bm	bm	bm	13.5
	Jersey (St. Aubin)	1022.9	62	ENE	5	bm	1026.1	*	56	+1	NE	4	–	bm	4	–	65	51	bm	bm	bm	13.1
	Portland Bill ...	1026.5	56	E	3	b	1027.4	+2	55	+4	ENE	3	–	b	2	–	59	50	b	b	b	*
	Dungeness ...	1026.1	57	NE	3	b	1026.7	0	55	0	NNE	4	–	b	4	–	61	50	b	b	c.b	*
	Dover	1025.0	55	NE	5	b	1027.1	*	56	0		5	–	b	4	–	62	47	b	b	b	13.5
	Wick	1028.2	51	NW	2	m	1027.5	-1	48	+1	SSE	1	–	bc	2	1	52	45	gm.o	omp	om.bm	*
	Nairn	1028.2	56	ENE	1	cm	1028.2	*	50	-1	–	0	–	bcm	0	–	60	40	b.ge	bc	cm	5.1
	Aberdeen ...	1029.2	48	S	3	c	1028.5	0	48	0	W	1	SW	b	2	–	55	40	o.c.bc	bc.c	c.bc.bg	2.0
	Leith	1028.5	50	NNE	2	o	1028.6	0	51	+1	NNW	1	–	b	*	–	56	44	o	o.c	c	*
	North Shields ...	1031.1	49	SE	4	bc	1031.2	0	48	-1	WSW	2	–	f	1	–	54	44	bc	bc	bcm	8.6
	Spurn Head ...	1030.1	48	ESE	4	o	1030.5	0	46	-4	–	0	–	f	3	–	56	44	bc	bc.o	om	3.8
	Yarmouth ...	1029.2	53	NE	3	bc	1030.2	0	52	0	N	3	–	bc	2	–	57	48	bc	bc	bc	10.2
	Clacton-on-Sea	1027.7	58	NE	4	b	1028.4	0	53	-2	NNE	4	–	b	2	–	60	45	bg	bg.b	b	13.8
	Nottingham ...	1028.9	60	E	3	b	1031.2	*	42	-7	E	1	E	bm	*	–	64	39	c.bc	bc.b	b	8.3
	Bath	1026.7	64	E	1	b	1029.4	*	50	0	N	1	–	b	*	–	67	39	m.o.bc.b	b.bc	bc.bm	?11.3
	London (Kew Obsy.)	1027.3	61	E	4	bg	1029.6	+2	49	-3	NE	2	NE	b	*	–	65	44	om.c.bc.bg	bg	bg.b	11.4
ICELAND, FAEROE, &c.	Spitzbergen ...	996.3	32	SE	3	o	996.3	?	29	-3	SE	3	W	o	*	*	?	?				
	Isafjord ...	1005.7	42	W	7	b	1006.3	+2	35	-2	NE	4	–	o	*	*	*	*				
	Reykjavik ...	1012.4	45	SW	4	o	1007.1	+1	40	+3	SW	1	–	r	*	*	*	*				
	Vestmanna ...	1014.7	45	SW	2	bc	1005.3	+3	39	-2	NW	7	–	o	r	*	*	*				
	Seydisfjord ...	1011.7	50	W	4	b	1004.0	-8	42	-4	E	2	–	o	*	*	*	*				
	Thorshavn ...	1025.2	51	WSW	4	c	1019.6	-4	46	+1	SSW	6	–	r	*	*	*	*				
NORTHERN EUROPE.	Vardö	1021.5	39	SW	5	o	1022.7	-2	41	0	SW	2	–	b	2	*	43	34				
	Bodö	1015.4	45	SW	4	bc	1025.6	0	45	-1	SW	4	–	bc	2	–	46	39				
	Christiansund	1029.7	48	–	0	b	1027.1	-2	46	-2	–	0	–	o	3	–	48	45				
	Skudesnaes ..	1032.0	48	NNW	2	b	1030.4	-1	45	-3	S	1	–	c	1	1	55	43				
	Færder (X'iania Fjord)	1031.7	50	–	0	m	1030.0	-1	50	0	E	1	W	m	1	–	52	46				
	The Scaw (Skagen)	1030.9	59	–	0	b	1030.3	0	50	-2	SSW	1	–	b	*	–	61	43				
	Blaavands Huk	1031.7	48	N	2	c	1031.3	0	52	+2	ENE	1	–	b	1	–	54	37				
	Haparanda ...	1031.0	43	SW	2	bc	1027.8	0	41	-9	SSW	2	–	b	*	–	54	34				
	Hernösand ...	1033.0	48	S	2	b	1029.0	+3	52	+2	–	0	–	b	*	–	55	41				
	Stockholm ...	1032.6	54	NNE	2	o	1030.1	-1	57	+2	N	2	–	b	*	–	61	43				
	Wisby	1032.0	52	WSW	2	b	1031.0	0	52	-5	S	2	–	bc	*	–	57	45				
	Karlstad	1031.4	61	S	2	bc	1030.1	-1	54	+2	ESE	2	–	b	*	–	?	39				
	St. Petersburg	1016.8	54	WNW	1	bc	1030.3	0	54	+2	S	1	–	m	*	–	59	46				
CENTRAL EUROPE.	Berlin	1025.7	63	N	4	b	1025.7	0	55	0	N	3	–	o	*	–	68	48				
	Frankfurt	1023.3	57	NE	3	o	?1021.0	0	57	+5	NNE	3	E	b	*	–	57	52				
	Munich	1019.9	48	NE	2	c	1019.4	0	46	+1	SSW	3	–	r	*	17	50	45				
	Vienna	1016.2	52	W	2	o	1016.2	?	52	+13	W	2	–	r	*	7	54	39				
	Cuxhaven ...	1029.2	55	NE	2	b	1029.2	0	55	0	NE	2	o	b	o	–	63	50				
	The Helder ...	1028.6	55	NE	4	b	1029.3	0	55	+1	NE	2	NE	b	1	–	59	54				
	Brussels	*	*	*	*	*	1025.1	+1	55	+1	ENE	4	–	b	*	–	66	48				
FRANCE.	C. Gris Nez ...	1024.8	54	NE	5	b	1026.0	+1	55	+4	NE	4	*	b	3	–	59	51				
	La Hève	1023.7	57	NE	3	m	1025.3	*	54	+4	NE	3	*	b	1	–	64	50				
	Ushant	1023.7	55	ENE	5	b	1026.0	*	54	+2	ENE	3	*	b	3	–	61	46				
	Brest (St. Mathieu)	1021.6	63	NE	4	b	1026.0	+1	53	-1	NE	3	*	b	2	–	75	56				
	Rochefort (Ile d'Aix)	1015.3	66	ENE	5	b	1019.9	+1	54	+2	NE	4	*	bc	*	–	73	50				
	Biarritz	1011.1	64	W	2	c	1015.1	+2	59	+2	WSW	4	*	b	3	–	78	57				
	Paris	1021.2	63	ENE	3	b	1022.4	+1	57	+5	NE	3	E	b	*	r	70	48				
	Belfort	1020.3	51	ENE	6	o	1019.3	*	49	+2	ENE	2	*	r	*	?	58	44				
	Lyons	1014.9	62	N	1	c	1019.0	*	50	+5	E	1	*	b	*	–	65	42				
	Nice	1014.4	58	–	0	bc	1015.3	+1	62	+13	–	0	*	b	3	–	64	48				
	Perpignan ..	1013.7	59	E	2	o	1016.8	+1	57	-4	–	0	o	r	*	Trace	68	*				
	Sanguinaire ...	*					*	*					*									
SOUTHERN EUROPE.	Corunna (7 a.m.)	1012.3	62	NNW	1	b	1018.4	+4	57	0	NNE	3	–	b	3	2	66	54				
	Madrid (8 a.m.) ...	1012.6	63	WSW	1	o	1017.0	+3	55	+5	SE	1	S	bc	*	Trace	64	46				
	Lisbon (9 a.m.)	1013.7	67	NNW	3	bc	1015.7	+1	57	-2	N	2	–	o	2	1	68	55				
	Gibraltar							*														
	Rome	1014.1	63	ESE	1	o	1013.7	0	59	+9	–	0	–	bc	*	–	72	50				
	Azores (Horta, 8 a.m.)	1025.1	*	NE	4	bc	1026.9	0	57	-2	NE	4	–	c	4	–	66	57				
	Madeira (Funchal)	1015.1	63	WNW	2	bc	1014.6	0	61	-2	WNW	2	–	o	2	?	68	59				

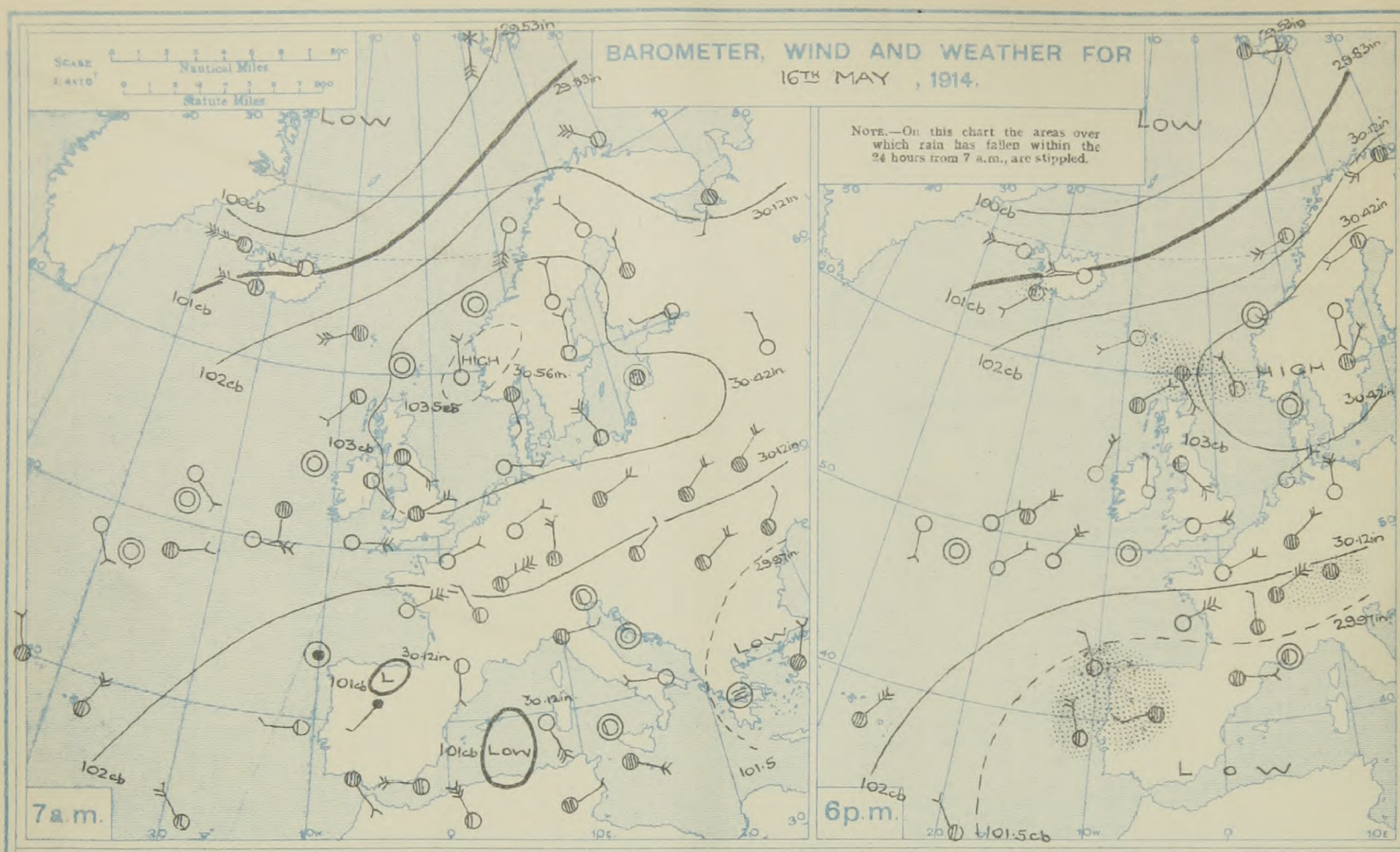
* Information for these columns not usually received. † Received too late for insertion in Charts. ‡ The barometric change is expressed in half-millibars.

Equivalents of Millibars in Inches.

Millibars.	Inches of Mercury at 32° F. in Lat. 45.
940	27·76
950	28·05
960	28·35
970	28·65
980	28·94
990	29·24
1000	29·53
1010	29·83
1020	30·12
1030	30·42
1040	30·71
1050	31·01

1,000 millibars are equivalent to 14½ lbs. per square inch (in Lat. 45).

100 millibars to one pound and a half per square inch.



PILOT BALLOON ASCENTS for the PAST WEEK.
Component Velocities to East and to North in Metres per Second.

		Comp. to E.	Comp. to N.	Comp. to E.	Comp. to N.	Comp. to E.	Comp. to N.	Comp. to E.	Comp. to N.	Comp. to E.	Comp. to N.	Comp. to E.	Comp. to N.	Comp. to E.	Comp. to N.
0 a	Station	Aberdeen.		Aberdeen.		Eskdalemuir		S. Farnboro'.		S. Farnboro'.		Aberdeen.		Eskdalemuir	
1	Date & Hour	11th 8h.		12th 8h.		12th 13h.		13th 7h.		14th 7h.		14th 8h.		14th 12h.	
2 a	Heights in Kilometres														
3															
4 a															
5	3													+4	−4
	2	+4	+2					+11	−6	0	−8			+3	−4
	1	+6	−5	+11	−5	+6	0	+12	−5	−2	−2	+5	+2	+5	−1
6 a	0.5	+8	−3	+15	−11	+3	+1	+10	−4	0	−1	+2	0	+7	+1
6 b	0	+2	−1	+10	−6	+5	0	+6	0	+3	−1	0	0	+6	+1
7 a	Station	Aberdeen.		Eskdalemuir		S. Farnboro'.									
7 b	Date & Hour	15th 8h.		15th 11h.		16th 9h.									
8 a	Heights in Kilometres														
9 a															
10 a															
11	3			+6	−1										
	2	+8	0	0	−1	−12	−4								
	1	+4	−1	−1	−3	−12	−1								
	0.5	+2	−7	−2	−3	−7	−3								
	0	0	−2	−4	−1	−5	−6								

Millibars: 1050, 1040, 1030, 1020, 1010, 1000, 990, 980, 970

FORECAST DISTRICTS.

STORM WARNINGS.

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

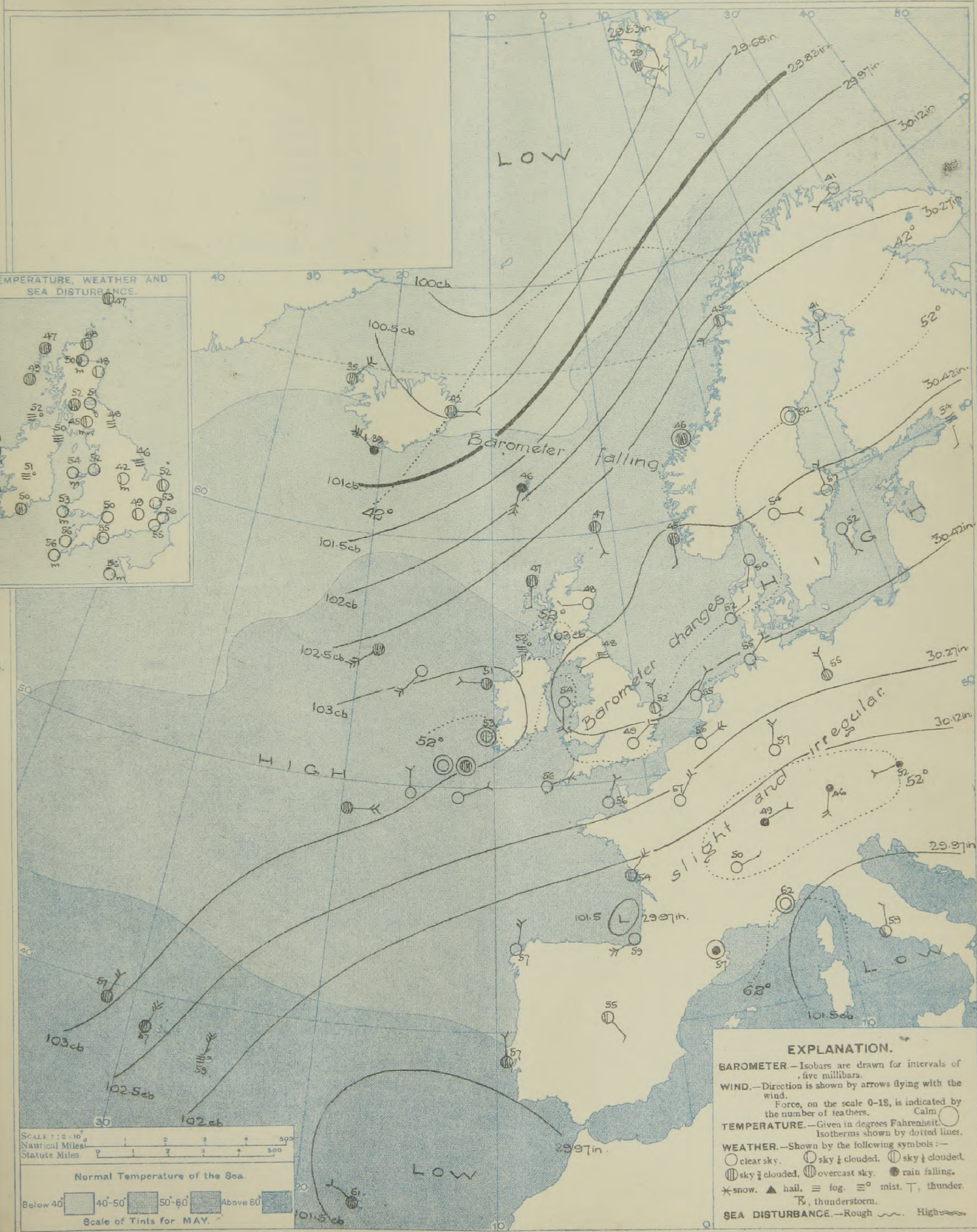
Signals hoisted yesterday.	Signals hoisted this morning.
South Cone.	South Cone.
North Cone.	North Cone.

No Warnings Issued.

Western Channel and Bay. 11

FURTHER OUTLOOK.

SYNOPTIC CHART FOR 7 a.m., SUNDAY, 17TH MAY, 1914.



DAILY WEATHER REPORT. Sunday, 17th May, 1914.

OBSERVATIONS from the ATLANTIC OCEAN received by RADIOTELEGRAPHY.

Date and Hour.	Position. Lat. N.	Position. Long. W.	Name of Ship.	O = Outward. H = Homeward.	Barometer. Reading.	Barometer. Change in 3 hours.	Wind. Direc.	Wind. Force.	Weather.	Date and Hour.	Position. Lat. N.	Position. Long. W.	Name of Ship.	O = Outward. H = Homeward.	Barometer. Reading.	Barometer. Change in 3 hours.	Wind. Direc.	Wind. Force.	Weather.
					mb.	‡		(0-12).				°			mb.	‡		(0-12).	
17th, 7 a.m.	51	13	Megantic	H	1030·8	+1	–	0	b	16th, 6 p.m.	49	12	Mesaba	O	1027·7	+1	NE	4-5	m
" "	49	13	Kroonland	H	1029·1	+1	ENE	1-3	b	" 7 a.m.	48	29	Oceanic	O	1024·0	-3	SSE	1-3	b
16th, 6 p.m.	49	25	Ausonia	H	1028·1	-1	S	1-3	b	" "	48	28	Ausonia	H	1025·4	+3	SSE	1-3	b
" "	48	23	Manitou	H	1028·8	+1	–	0	b	" "	47	26	Manitou	H	1027·4	+5	–	0	b
" "	50	18	Megantic	H	1028·8	+1	ENE	1-3	b	" "	50	22	Megantic	H	1026·4	+1	–	0	b
" "	48	18	Kroonland	H	1026·1	0	NE	1-3	b	" "	48	22	Kroonland	H	1024·7	+1	ENE	1-3	c
" "	51	16	Ulaunia	O	1029·4	+3	NE	1-3	c	" "	49	16	Minnewaska	H	1024·7	+1	E	4-5	b

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

	Stations.	Rainfall.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 6 p.m.
		mm.§	°F.	°F.			Hr.
Scotland.	Oban						
	St. Andrews						
	Carnoustie	1	51	45	*	*	0·9
Engl. N.E.	Harrogate	–	59	44	o	o.bc.b.	4·1
	Scarborough	*					
	Skegness	–	58	48	b.	bc.c.	2·0
Engl. N.W.	Douglas (I. of M.)						
	Morecambe	–	64	50	b.bc	bc3	8·0
	Blackpool	–	66	45	c.bc.	bc	7·8
	Southport	–	68	47	b	b	10·0
Midlands.	Buxton	–	60	43	bc	b	7·4
	Leamington Spa	–	65	44	c.b.	bc	7·3
	Malvern	–	65	45	c.bc.	b	6·0
Wales.	Rhyl	–	68	47	bc	b	11·6
	Colwyn Bay						
	Llandudno						
	Aberystwyth	–	66	51	c.b.	b	12·0
	Tenby	–	64	52	b	b	11·8
England. E.	Lowestoft						
	Felixstowe	–	57	42	b	b	13·1
	Walton-on-Naze	–	56	50	bm	b3	13·0
	Southend-on-Sea	–	63	46	b	b	11·5

	Stations.	Rainfall.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 6 p.m.
		mm.§	°F	F.			Hr.
England, S.E.	Margate	–	58	50	b	b	12·8
	Ramsgate	–	58	49	bc	bc	12·8
	Folkestone	–	62	49	b	b	12·8
	Hythe	–	63	47	b.	b	12·8
	Littlestone	*	*	*	*	*	12·8
	Hastings	–	63	46	b	b	13·0
	Bexhill-on-Sea	–	65	48	b	b	12·8
	Eastbourne	–	62	45	b	b	12·8
	Seaford	–	66	46	b	b	13·6
	Brighton	–	68	48	b	b	12·8
	Worthing	–	66	48	b	b	13·2
	Littlehampton	–	*	*	*	*	12·8
	Bognor	–	64	46	b	b	12·7
	Southsea						
	Ryde						
	Ventnor				*	*	
	Bournemouth	–	65	42	b	b	12·2
England, S.W.	Weymouth	–	65	46	b3	b3	12·8
	Exmouth						
	Teignmouth	–	61	50	b	b	*
	Torquay	–	63	51	b	b	13·2 †
	Paignton	–	61	51	b	b	13·2 †
	Falmouth	–	63	51	b	b	12·8
	Bude						
	Ilfracombe						
	Weston-super-Mare						† To Sunset.

LONDON OBSERVATIONS.

Stations.	Humidity. 3 p.m. Yesterday.	Humidity. 9 a.m. To-day.	Sunshine for Yesterday.	Temperature. In Screen. Max. (24 hours ended 9 a.m. To-day)	Temperature. In Screen. Min.	Temperature. Min. on Grass.	Rainfall.	Weather. Forenoon.	Weather. Afternoon.	Weather. Night.
	%	%	Hr.	°F.	°F.	°F.	mm.§			
Greenwich (Royal Obsy.)	44	71	11·6	66	44	28	–	b	b	b
City (Bunhill Row)	*	*	10·9	*	*	*	*	*	*	*
Westminster (St. James's Pk.)	41	65	11·3	65	46	41	–	b	b	b
Camden Sq. (Brit. Rainfall)	39	65	11·3	70	44	39	–	b	b	*
Hampstead (Reservoir)	*	70	10·8	63	42	38	–	b	b	b
Richmond Park	*	*	11·2							
Kew. (See front page.)										
S. Kensington (Roof of M.O.)	52	75	11·4							

Vertical Component of Solar Radiation per square centimetre during Yesterday.

Total.	Average Rate.	Max. Rate.
2120 Joules	37·8 Milliwatts.	78·5 Milliwatts.

Additional Observations for Yesterday.

Stations.	Rainfall.	Temperature. In Screen. Max.	Temperature. In Screen. Min.	Temperature. Night Min. on Grass.	Weather. Night.	Weather. Forenoon.	Weather. Afternoon.	Sunshine for Yesterday.
	mm.§	°F.	°F.	°F.				Hr.
Dublin to 4 p.m.	–	67	46	45	bm	bm	bm.c.	*
Plymouth to 9 p.m.	–	65	50	46	b	b	b	13·5
Darwen "	–	66	49	45	bcw	bc	bc	8·5
Manchester "	–	66	42	*	bc3	bc	bc.b3	9·8
Birmingham "	–	64	44	40	o	c	b	6·8
Oxford to 8 p.m.	*	66	42	38	b3.o.	o.bc.b.	b	*
S. Kensington (Museum Grounds to 6 p.m.)	–	66	49	45	bbc.o	c.b3.b.	b.	*

Table showing the Greenwich Times of Sunrise, Noon and Sunset for Stations in the United Kingdom To-day and To-morrow.

17th & 18th May, 1914.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth	3·57 3·55	11·49 11·49	7·41 7·42
Greenwich	4·8 4·6	11·56 11·56	7·44 7·46
Wick	3·44 3·42	12·8 12·8	8·33 8·35
Valencia	4·46 4·45	12·37 12·37	8·27 8·28

NOTES ON YESTERDAY'S WEATHER.

The amount of bright sunshine was generally large, and at many of our western and southern stations the thermometer exceeded 65°, a reading of 70° being recorded at Camden Square and Birr Castle. On the north and east coasts, where the duration of bright sunshine was small, the thermometer did not touch 60°. Wireless reports show that along the Southern Atlantic routes and as far west as the 29th meridian, ships experienced light breezes from between N.E. and S.E., and fine weather; on the Northern routes the wind was S.Wly.

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. Single copies 1d. at M.O. and at the bookstalls at certain Railway Termini in London.

Printed at the Meteorological Office, South Kensington, London, S.W.
By Wyman & Sons Ltd., Fetter Lane, London, E.C., and Reading.

§ 1 m.m. is approximately 4 hundredths of an inch. ‡ The barometric change is expressed in half-millibars.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

Monday, 18th May, 1914.

	STATIONS.	Yesterday Evening: Barom. Millibars at M.S.L.	Temp.	Wind: Direc	Wind: Force 0-12.	Weather.	This Morning 7 a.m., G.M.T.: Barometer: Millibars at M.S.L.	Barometer: Change in 3 hours.	Temp.: Dry Bulb.	Temp.: Change in 24 hours.	Wind: Direc.	Wind: Force 0-12.	Direc. of Upper Cloud.	Weather.	Sea 0-9.	Past 24 Hours: Rainfall. Millimetres.	Temp.: Max.	Temp.: Min.	Weather: Morning.	Weather: Afternoon	Weather: Night.	Sunshine for Yesterday.
			°F.					‡	°F.	°F.							°F.	°F.				Hours.
BRITISH ISLANDS.	Lerwick ...	1024·6	51	SSW	3	o	1021·8	-2	49	+2	SSW	3	-	or	2	4	54	46	bc.c	bcq.oq	omr	*
	Stornoway ...	1025·5	52	SW	5	opq	1022·4	-2	50	+3	WSW	5	SW	adq.p	4	1	57	46	oq	opq	adq.p	0·6
	Castlebay (Barra Isd.)	1027·3	51	SW	3	o	1025·2	o	51	+2	SW	4	-	om	4	Trace	55	49	o.bc.o	o.c.o	opm	6·2
	Glasgow ...	1027·8	57	W	2	c	1029·1	o	50	-2	SW	3	NW	o	*	-	67	48	o.c.bc	b.bc.o	o	5·8
	Eskdalemuir ...	1027·0	62	SW	4	c	1028·7	o	49	+4	-	o	W	c	*	-	66	41	bcm	bcq.bc	om.c	8·6
	Malin Head ...	1029·6	52	WNW	4	o	1028·7	-1	50	-2	W	4	NW	bc	3	-	55	48	om	om	bcm	*
	Blacksod Point	1031·4	54	WNW	2	cq	1031·1	o	51	o	W	2	W	c	2	-	56	50	om.cq	cq	cq.c	*
	Valencia ...	1031·1	56	WNW	1	cq	1031·8	+1	51	-2	NNW	2	NW	om	2	-	59	49	cm	cq	cq	8·3
	Roche's Point	1030·1	62	SW	1	cq	1031·1	*	51	+1	N	3	N	c	2	-	63	49	f.om	cq	cq	*
	Birr Castle ...	1029·8	63	W	1	bc	1031·5	*	50	-1	NW	1	-	o	*	-	66	50	b	b.bc	o	7·6
	Donaghadee ...	1029·8	53	NNE	3	bc	1030·7	o	48	-2	W	2	W	bcm	2	-	64	44	bcq	bcq	bcm	*
	Liverpool (Bidston)	1028·6	57	NW	1	b	1030·1	+1	52	0	WNW	2	W	bc	1	-	65	49	b	bq	bc	11·7
	Holyhead ...	1030·0	60	-	o	bm	1031·6	?+1	51	-3	N	1	-	bm	1	-	64	48	b.bc.c.d	bc.bm	o.bc.em	8·5
	Pembroke (St. Ann's)	1029·1	55	W	1	c	1029·8	+2	57	+4	N	3	-	bm	1	-	59	52	bm.em	cm	cm.bm	7·1
	Newquay ...	1028·0	57	N	2	bc	1028·8	+1	55	-1	-	o	-	bq	1	-	59	44	b	b	b	13·5
	Scilly (St. Mary's)	1028·5	59	NNE	2	bm	1029·3	+1	53	-3	NNE	2	-	bm	2	-	63	50	bm	bm	bm	13·1
	Jersey (St. Aubin)	1025·6	66	NE	4	b	1027·3	*	57	+1	N	3	-	b	3	-	68	53	bm	b	b	13·3
	Portland Bill ...	1026·7	67	NNE	2	bc	1028·0	+1	58	+3	NE	1	-	b	1	-	67	50	b	b.bc	bc.b.	*
	Dungeness ...	1026·4	58	NE	4	b	1027·1	o	56	+1	N	3	-	b	3	-	64	46	b	b	b	*
	Dover	1025·0	55	NNE	5	f	1026·4	*	58	+2	N	4	-	b	3	*	65	47	b	b	b	14·2
	Wick	1025·1	50	SSE	1	o	1022·5	-3	50	+2	SW	3	-	o	3	3	56	42	bm.em	cm.om	cp.emd	*
	Nairn	1025·1	61	W	2	c	1024·0	*	53	+3	W	4	-	cq	3	0·3	70	47	bcq	em	md.e	2·3
	Aberdeen ...	1025·0	59	SSW	3	c	1025·4	o	58	+10	S	2	W	bc	2	-	67	48	bc.bq	b.bcq	cq.bc	4·1
	Leith	1026·2	70	WSW	2	bc	1027·6	+1	53	+2	WSW	3	W	c	*	-	71	50	bq	b.bc	bc.c	*
	North Shields ...	1028·7	59	SSE	1	om	1029·2	o	55	+7	NW	2	NW	bc	2	-	62	50	om	om	bcm	3·6
	Spurn Head ...	1028·1	52	ESE	2	bc	1028·1	o	54	+8	SSW	2	-	b	2	-	57	45	f.bom	bc	bc	7·1
	Yarmouth ...	1028·7	53	N	3	b	1028·9	o	55	+3	N	2	-	b	1	-	59	49	bc	b	b	14·5
	Clacton-on-Sea	1027·1	60	NNE	4	b	1027·7	o	57	+4	NNE	3	-	b	2	-	64	46	b.bc	bc.b	b	14·4
	Nottingham ...	1028·4	63	E	2	b	1029·7	*	49	+7	WSW	1	W	bm	*	-	69	41	bm	b	b	10·4
	Bath	1027·4	67	NE	2	bc	1029·8	*	52	+2	NE	1	-	m	*	-	69	40	b	b.bq	bc.bm	11·3
	London (Kew Obsy.)	1026·8	66	NE	2	bq	1029·1	+1	53	+4	N	1	-	bq	*	-	68	45	b	b.bq	bq.b	12·7
ICELAND, FAEROE, &c.	Spitzbergen ...	999·4	27	SE	4	b	999·4	o	20	-9	SE	2	-	c	*	*	28	10				
	Isafjord... ...	1000·0	43	SW	3	c	1000·6	-6	37	+2	E	2	-	o	*	*	*	*				
	Reykjavik ...	1011·4	46	WSW	2	c	1002·3	-3	40	o	SSW	2	-	r	*	*	*	*				
	Vestmanna ...	1012·2	45	W	4	bc	1003·7	-3	40	+1	SW.	8	-	c	1	*	*	*				
	Seydisfjord ...	1008·2	46	SW	5	bc	1006·9	-5	34	-8	-	o	-	c	*	*	*	*				
	Thorshavn ...	1015·1	50	W	7	c	1012·6	-5	44	-2	-	o	-	r	*	*	*	*				
NORTHERN EUROPE.	Vardö	1019·5	41	SW	2	b	1009·7	-6	43	+2	SE	2	-	b	1	*	44	36				
	Bodö	1018·9	45	SW	1	c	1008·4	-7	46	+1	SW	5	SE	c	3	8	46	41				
	Christiansund	1018·3	48	W	1	c	1018·3	o	49	+3	W	6	-	r	4	2	50	46				
	Skudesnaes ..	1026·9	48	SSW	2	o	1025·2	o	48	+3	SE	2	-	o	2	?	52	45				
	Færder (Christiania Fjord)	1025·6	50	S	2	m	1024·0	+1	48	-2	-	o	-	f	1	-	52	46				
	The Scaw (Skagen)	1027·4	54	W	2	b	1025·2	+1	48	-2	WSW	4	-	f	*	-	57	45				
	Blaavands Huk	1028·4	54	NNW	2	b	1028·3	o	54	+2	NNW	1	NE	m	1	-	55	39				
	Haparanda ...	1023·1	41	S	2	c	1014·4	-5	39	-2	S	2	-	r	*	3	48	36				
	Hernösand ...	1023·7	50	S	4	c	1017·0	-1	61	+9	-	o	-	b	*	-	61	43				
	Stockholm ...	1025·0	57	SE	2	b	1022·1	-2	59	+2	SW	2	W	b	*	-	66	45				
	Wisby	1026·0	57	W	2	b	1024·6	-1	55	+3	SW	2	-	b	*	-	59	50				
	Karlstad	1024·7	63	SW	2	b	1023·8	o	50	-4	WSW	2	-	c	*	-	68	45				
	St. Petersburg	1026·1	63	E	1	b	1024·3	+2	59	+5	-	o	-	b	*	-	70	50				
CENTRAL EUROPE.	Berlin	1028·7	66	NE	3	b	1024·7	+2	61	+4	N	3	-	b	*	-	73	52				
	Frankfurt... ...	1026·2	66	NE	2	c	1021·2	+2	61	+4	NE	3	NE	c	*	-	70	54				
	Munich	1019·3	48	SSE	2	*	1021·0	o	48	+2	SE	2	-	o	*	20	60	46				
	Vienna	1017·9	55	W	1	o	1018·6	*	55	+3	W	1	-	c	*	3	59	52				
	Cuxhaven ...	1026·4	59	NE	3	b	1027·5	o	57	+2	N	1	-	b	o	-	64	52				
	The Helder ...	1026·7	57	NE	4	b	1027·8	o	55	o	NE	3	-	b	1	-	57	50				
	Brussels	*	*	*	*	*	1024·4	+2	57	+2	NE	2	-	b	*	-	73	50				
FRANCE.	C. Gris Nez ...	1025·2	55	NE	5	b	1026·1	+0	55	o	NE	4	*	b	3	-	59	50				
	La Hève	1024·3	63	NE	5	b	1025·7	*	53	-1	-	o	*	b	o	-	66	48				
	Ushant	1028·6	55	NE	3	b	1028·3	*	55	+1	ENE	3	*	b	3	-	61	50				
	Brest (St. Mathieu)	1026·0	64	NE	4	b	1028·3	+2	54	+1	NNE	2	*	b	1	-	72	52				
	Rochefort (Ile d'Aix)	1019·1	68	ENE	4	bc	1022·0	+3	56	+2	NE	4	*	b	*	1	75	54				
	Biarritz	1018·0	60	WSW	4	c	1019·7	+1	59	o	NNW	3	*	c	3	-	63	57				
	Paris	1020·4	59	NNE	3	o	1023·0	+2	61	+4	N	2	-	b	*	Trace	73	52				
	Belfort	1019·8	52	ENE	4	o	1020·2	*	51	+2	E	4	*	o	*	12	54	45				
	Lyons	1022·6	56	NE	1	b	1020·7	*	50	o	-	o	*	o	*	-	63	45				
	Nice	1016·7	57	E	2	bc	1017·2	o	60	-2	-	o	*	b	2	-	84	50				
	Perpignan ..	1016·6	45	SE	1	o	1019·3	+2	55	-2	W	1	-	o	*	4	66	*				
	Sanguinaire ...	*	62	E	1	o	*	*	61		E	1	*	m	2	-	63	52				
SOUTHERN EUROPE.	Corunna (7 a.m.)	1019·3	66	ENE	2	b	1024·0	+4	57	o	NNE	1	-	b	2	-	68	54				
	Madrid (8 a.m.) ...	1015·5	59	NW	2	c	1021·6	+3	55	o	NNE	1		b	*	?	64	48				
	Lisbon (9 a.m.)	1015·8	66	NNW	4	bc	1019·0	+3	57	o	NNE	1	-	b	2	-	70	55				
	Gibraltar	1017·6	62	W	4	b	1018·9	*	60		NW	5	-	b	1	-	73	55				
	Rome	1016·4	66	-	o	b	1017·9	*	57	-2	WSW	1		bc	*	-	73	55				
	Azores (Horta, 8 a.m.)	1027·4	*	NE	5	m	1029·0	+2	59	+2	NE	4	NE	m	3	-	64	57				
	Madeira (Funchal)	1017·7	61	N	2	b	1019·8	+1	63	+2	N	2	-	bc	2	-	66	59				

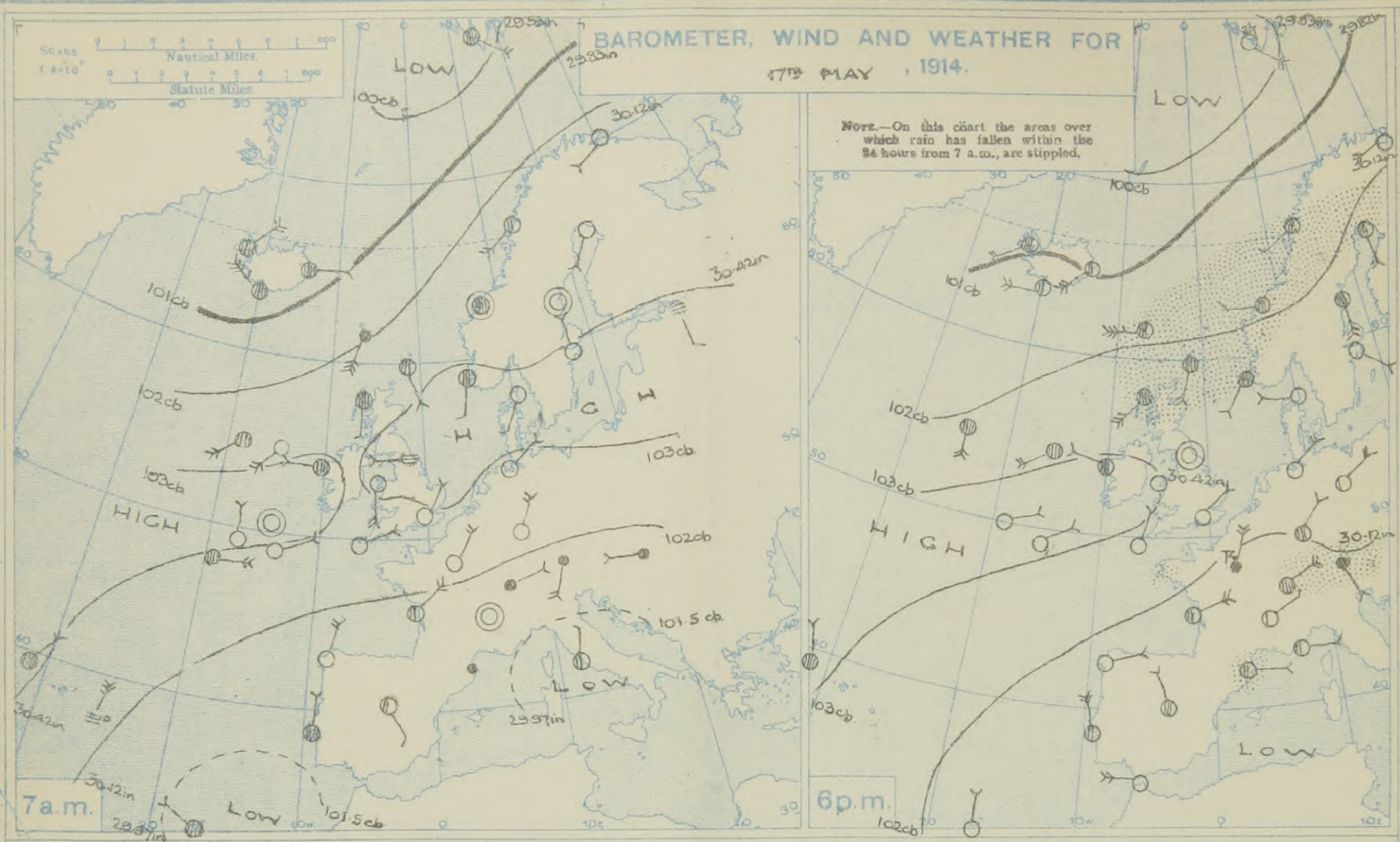
Equivalents of Millibars in Inches.

Millibars.	Inches of Mercury at 32° F. in Lat. 45.
940	27·76
950	28·05
960	28·35
970	28·65
980	28·94
990	29·24
1000	29·53
1010	29·83
1020	30·12
1030	30·42
1040	30·71
1050	31·01

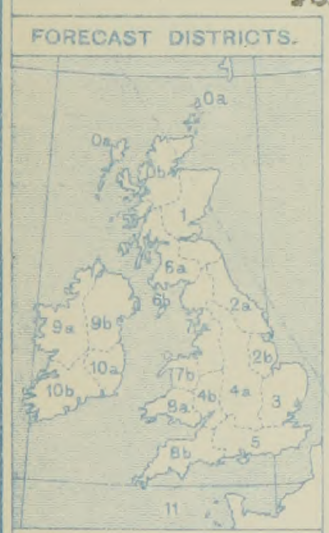
1,000 millibars are equivalent to 14½ lbs. per square inch (in Lat. 45).

100 millibars to one pound and a half per square inch.

* Information for these columns not usually received. † Received too late for insertion in Charts. ‡ The barometric change is expressed in half-millibars.



FORECASTS FOR THE 24 HOURS NOON MONDAY TO NOON TUESDAY.



STORM WARNINGS.

The Coast 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.

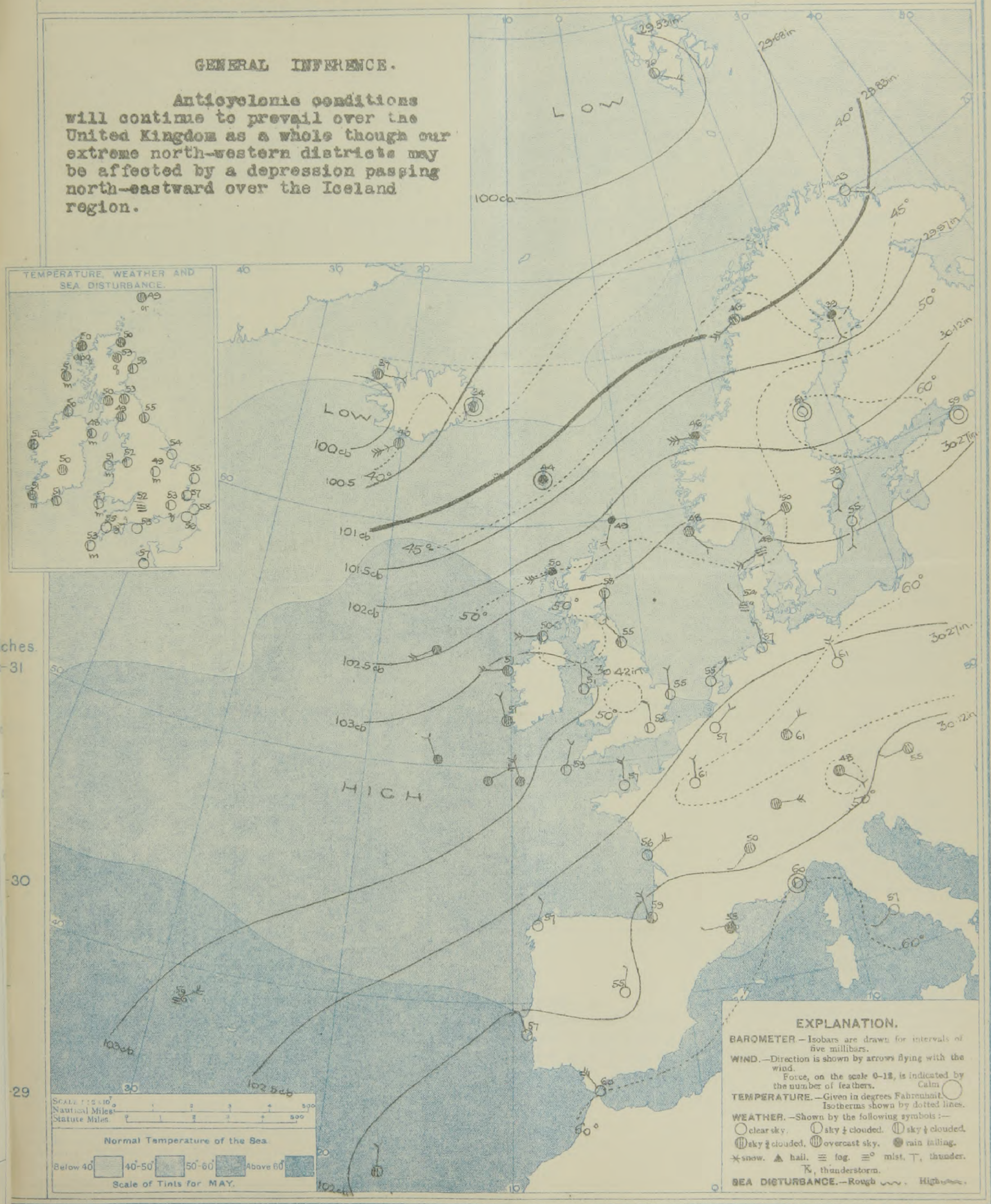
0 a, b	Moderate Westerly and South-Westerly winds; cloudy, some showers; normal temperature.
1	Light breezes, chiefly from South or South-West; fair generally; normal temperature.
2 a, b; 3	Light airs, mainly North-Easterly; fair or fine generally; rather warm inland.
4 a, b	Light variable airs; fair or fine generally; rather warm.
5	Light North-Easterly airs; fair or fine generally, some coast mist or fog; rather warm.
6 a, b	Same as No. 1.
7 a, b	Light variable airs; fair or fine, some coast mist or fog; normal to rather warm temperature.
8 a, b	Same as No. 5.
9 a, b	Same as No. 1.
10 a, b	Same as No. 7.
Western Channel and Bay. 11	North-Easterly breezes; fair generally, but misty at times; sea slight; temperature above the norma;.

Millibars 1050 1040 1030 1020 1010 1000 990 980 970

FURTHER OUTLOOK.

Continuing Fair over England.

SYNOPTIC CHART FOR 7 a.m., MONDAY, 18TH MAY, 1914.



DAILY WEATHER REPORT. Monday, 18th May, 1914.

OBSERVATIONS from the ATLANTIC OCEAN received by RADIOTELEGRAPHY.

Date and Hour.	Position. Lat. N.	Position. Long. W.	Name of Ship.	O = Outward. H = Homeward.	Barometer. Reading.	Barometer. Change in 3 hours.	Wind. Direc.	Wind. Force.	Weather.
	°	°			mb.	‡		(0-12).	
18th 7a.m	55	16	Corsican	O	1024·7	-1	SW	4-5	o
" "	50	13	Ausonia	H	1034·2	+1	NNW	1-3	o
" "	49	11	Manitou	H	1035·2	+2	ENE	4-5	o
" "	49	9	Vaderland	O	1030·4	+1	NE	4-5	o
17th 6p.m	54	20	Sardinian	H	1023·7	+1	SSW	6-7	m
" "	50	18	Mauretania	O	1032·5	-1	ENE	1-3	b

Date and Hour.	Position. Lat. N.	Position. Long. W.	Name of Ship.	O = Outward. H = Homeward.	Barometer. Reading.	Barometer. Change in 3 hours.	Wind. Direc.	Wind. Force.	Weather.
	°	°			mb.	‡		(0-12).	
17th 6p.m	49	15	Manitou	H	1031·8	0	ENE	1-3	b
" "	55	13	Teutonic	O	1028·1	+3	WSW	4-5	o
" "	49	13	Philadelphia	O	1032·2	0	NNE	4-5	b
" "	55	12	Corsican	O	1028·8	0	SSW	4-5	o
" 7a.m	55	19	Empress of Ireland	O	1025·4	-2	SW	6-7	o
" "	48	19	Manitou	H	1030·8	+1	E	4-5	o
" "	49	16	Mesaba	O	1030·8	+2	N	1-3	b

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

	Stations.	Rainfall.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 6 p.m.
		mm.§	°F.	°F.			Hr.
Scotland	Oban						
	St. Andrews				*	*	
	Stonehaven	–	64	34	bz	bz	5·1
	Cornoustie	–	64	44	*	*	5·9
Engl. N.E.	Harrogate	–	67	41	b.bc	b.bc	8·5
	Scarborough	*	58	42	bc	c.b	10·5
	Skegness	–	51	43	b	bf	10·9
Engl. N.W.	Douglas (I. of M.)	–	67	49	bz	bcz	7·6
	Morecambe						
	Blackpool	–	63	46	m.c	bc	9·9
	Southport	–	65	46	b	b	11·5
Midlands.	Buxton	–	67	36	b	b	11·9
	Leamington Spa	–	67	40	bc	b	8·9
	Malvern	–	68	48	b	b	11·0
Wales.	Rhyl	–	64	46	bc	b	12·0
	Colwyn Bay	–	63	48	b	b	10·2
	Llandudno	–	67	51	b	b	9·8
	Aberystwyth	–	61	48	b	bz	9·5
	Tenby						
England, E.	Lowestoft	–	55	46	b	b	12·1
	Felixstowe	–	61	44	b	b	13·5
	Walton-on-Naze	–	58	46	bz.b	b	13·0
	Southend-on-Sea	–	66	45	b	b	13·5

	Stations.	Rainfall.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 6 p.m.
		mm.§	°F.	°F.			Hr.
England, S.E.	Margate	–	56	49	b	b	12·8
	Ramsgate	–	60	50	b	b	13·2
	Folkestone	–	65	50	b	b	13·8
	Hythe						
	Littlestone	*	*	*	*	*	12·7
	Hastings	–	68	49	b	b	13·5
	Bexhill-on-Sea	–	69	49	b	b	13·0
	Eastbourne	–	68	48	b	b	13·4
	Seaford						
	Brighton	–	71	49	b	b	13·0
	Worthing	–	69	49	b	b	13·3
	Littlehampton	–	*	*	*	*	13·0
	Bognor	–	64	48	b	b	13·0
	Southsea	–	70	49	b	b	13·0
	Ryde	–	66	51	b	b	12·5
	Ventnor	–	68	60	*	*	12·9
	Bournemouth	–	72	43	b	b	13·2
England, S.W.	Weymouth	–	72	49	b	bz	13·0
	Exmouth						
	Teignmouth	–	67	46	b	b	13·0
	Torquay	–	68	46	b	b	12·7
	Paignton	–	68	48	b	b	12·3
	Falmouth	–	68	49	b	b	12·9
	Bude	–	68	40	b	b	12·1
	Ilfracombe	–	61	48	b	bz.b	11·5
	Weston-super-Mare	–	69	43	b	b	12·7

LONDON OBSERVATIONS.

Stations.	Humidity. 3 p.m. Yesterday.	Humidity. 9 a.m. To-day.	Sunshine for Yesterday.	Temperature. In Screen. Max.	Temperature. In Screen. Min.	Temperature. Min. on Grass.	Rainfall.	Weather. Forenoon.	Weather. Afternoon.	Weather. Night.
				24 Hours ended 9 A.M. To-day.						
	%	%	Hr.	°F.	°F.	°F.	mm.§			
Greenwich (Royal Obsy.)	46	50	13·9	71	43	30	–	b	b	b
City (Bunhill Row)	*	*	13·6	*	*	*	*	*	*	*
Westminster (St. James's Pk.)	47	58	13·7	69	48	40	–	b	b	b
Camden Sq. (Brit. Rainfall)	–	52	12·8	75	46	39	–	–	–	*
Hampstead (Reservoir)	*	51	13·9	66	46	37	–	b	bc	b
Richmond Park	*	*	13·3							
Kew. (See front page.)										
S. Kensington (Roof of M.O.)	–	58	13·9							

Vertical Component of Solar Radiation per square centimetre during Yesterday.

Total.	Average Rate.	Max. Rate.
2304 Joules	44·0 Milliwatts.	73·5 Milliwatts.

Additional Observations for Yesterday.

Stations.	Rainfall.	Temperature. In Screen. Max.	Temperature. In Screen. Min.	Temperature. Night Min. on Grass.	Weather. Night.	Weather. Forenoon.	Weather. Afternoon.	Sunshine for Yesterday.
	mm.§	°F.	°F.	°F.				Hr.
Dublin to 4 p.m.	–	69	50	48	bm.c	c.b	bc	*
Plymouth to 9 p.m.								
Darwen "								
Manchester "				*				
Birmingham "	–	67	43	27	*	b	c	11·6
Oxford to 8 p.m.	*	68	44	35	b.o	bc.b	b	*
S. Kensington (Museum Grounds to 6 p.m.)	–	70	45	42	b.bz	bz.bc	bc	*

Table showing the Greenwich Times of Sunrise, Noon and Sunset for Stations in the United Kingdom To-day and To-morrow.

18th May, 1914.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth	3.55 3.53	11.49 11.49	7.42 7.44
Greenwich	4.6 4.5	11.56 11.56	7.46 7.47
Wick	3.42 3.40	12.8 12.8	8.25 8.37
Valencia	4.45 4.44	12.37 12.37	8.28 8.29

NOTES ON YESTERDAY'S WEATHER.

Over 12 hours of bright sunshine were experienced over the southern part of the country, 14 ½ hours being reported from Yarmouth and Clacton-on-Sea. In the north conditions were rather less fine, and in the extreme north slight rain occurred. Temperature rose to 71° at Leith, and 70° at Nairn.

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. Single copies 1d. at M.O. and at the bookstalls at certain Railway Termini in London.

Printed at the Meteorological Office, South Kensington, London, S.W. By Wyman & Sons Ltd., Fetter Lane, London, E.C., and Reading.

§ 1 m.m. is approximately 4 hundredths of an inch. ‡ The barometric change is expressed in half-millibars.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

Tuesday 19th May, 1914.

	STATIONS.	Yesterday Evening. Barom. Millibars at M.S.L.	Temp.	Wind Direc.	Wind Force 0–12.	Weather.	This Morning 7 A.M., G.M.T. Barometer. Millibars at M.S.L.	Change in 3 hours.	Temp. Dry Bulb.	Change in 24 hours.	Wind Direc.	Wind Force 0–12.	Direc. of Upper Cloud.	Weather.	Sea 0–9.	Past 24 Hours. Rainfall. Millimetres.	Temp. Max.	Temp. Min.	Weather. Morning.	Afternoon.	Night.	Sunshine for Yesterday.
			°F.					‡	°F.	F.							°F.	°F.				Hours.
BRITISH ISLANDS.	Lerwick ...	1019·1	50	W	5	om	1025·1	+2	45	−4	W	5	W	bcq	4	8	50	42	omq	omqd	bcqp	*
	Stornoway ...	1024·6	52	WSW	6	cq	1030·0	+3	46	−4	W	3	W	c	3	1	54	43	odpq	odpcq	bc.c	1·1
	Castlebay (Barra Isd.)	1026·3	50	W	4	o	1031·0	+2	47	−4	W	3	–	op	3	Trace	53	45	omp.om	om	op	0·0
	Glasgow ...	1028·4	53	WSW	3	o	1031·0	+2	50	0	W	3	–	o	*	–	59	49	o c o	o	o1.o	1·9
	Eskdalemuir ...	1028·0	59	NW	4	c	1030·5	+2	53	+4	NW	1	NW	o	*	–	67	48	c	c	c.o	?
	Malin Head ...	1028·8	52	WSW	4	o	1032·4	+3	48	−2	N	2	–	odg	2	1	55	47	om	om	of. d	*
	Blacksod Point	1031·1	54	WSW	2	om	1032·8	+1	51	0	ESE	1	E	opd	2	1	?56	50	cm	om	opd	*
	Valencia ...	1032·2	57	NW	3	bcz	1035·2	0	55	+4	NNW	1	N	c	3	–	57	51	cz	bcz	bc	9·5
	Roche's Point	1030·8	63	N	3	b	1032·5	*	55	0	NNW	3	N	b	2	Trace	67	51	bz	bzb	b	*
	Birr Castle ...	1030·5	62	WNW	1	bc	1031·8	*	56	+6	W	1	W	c	*	–	64	50	bc	bc	c	9·5
	Donaghadee ...	1030·1	54	SSE	1	ogm	1032·4	?	49	+1	N	2	–	omd	2	–	61	48	bcz	ogm	og.omd	*
	Liverpool (Bidston)	1029·2	55	WNW	2	bc	1031·0	?	53	+1	WNW	1	W	o	2	–	59	50	bc	b	bc.o	11·7
	Holyhead ...	1030·4	58	NNW	2	b	1032·2	+2	54	+3	NNW	1	–	cg	1	–	59	51	bc	bc	bcgw	12·5
	Pembroke (St. Ann's)	1029·6	57	NW	3	c	1030·9	+1	57	0	N	3	–	bm	1	–	67	56	bm	bm.c	b.bcmw	12·4
	Newquay ...	1028·4	58	NNW	2	b	1029·8	0	56	+1	NNW	2	–	b	2	–	60	54	b	b	b	13·6
	Scilly (St. Mary's)	1029·1	58	N	3	bm	1030·1	+2	55	+2	NNE	2	–	bm	3	–	62	52	bm	bm	bm	12·3
	Jersey (St. Aubin)	1026·1	66	N	3	b	1028·3	*	62	+5	NE	3	–	b	3	–	69	55	b	b	b	13·8
	Portland Bill ...	1026·9	59	S	1	b	1028·9	?+4	59	+1	–	0	–	b	1	–	67	53	b	b	b.bc	*
	Dungeness ...	1026·7	61	N	4	b	1028·1	+2	59	+3	NE	2	NE	b	2	–	65	44	bc	b	b	*
	Dover	?	58	N	4	b	1026·4	*	62	+4	N	2	–	b	2	–	66	48	b	b	b	14·3
	Wick	1022·9	50	WSW	4	o	1029·0	+3	47	−3	W	4	W	c	3	Trace	58	41	omd.o	o.oq	bc.cmq	*
	Nairn	1024·1	58	WSW	2	cg	1030·2	*	48	−5	–	0	–	bce	1	–	60	45	bc.o	bc	bc.c	0·3
	Aberdeen ...	1023·7	69	W	3	b	1029·6	+3	49	−9	NW	4	W	o	2	–	73	48	bc.c.o	c.bc	bc.c.o	5·2
	Leith	1026·8	57	WSW	3	bc	1030·3	+3	54	+1	W	2	–	o	*	–	65	52	c	c.bc	bc.c	*
	North Shields ...	1030·1	64	NW	3	c	1031·0	+2	56	+3	NW	2	NW	bc	2	–	71	54	bc	bc	bc	9·7
	Spurn Head ...	1026·1	56	SE	4	o	1029·4	+3	55	+1	N	1	–	b	1	–	64	49	bcm	bcm.o	o	11·5
	Yarmouth ...	1027·7	59	NE	3	bc	1029·3	+2	56	+1	–	0	–	b	0	–	60	46	b	b	b	14·1
	Clacton-on-Sea	1026·7	59	NE	3	bc	1028·8	+1	57	0	NW	2	–	bc	1	–	66	45	b	b.bc	bc	14·0
	Nottingham ...	1026·8	67	WNW	3	bc	1030·5	*	59	+10	N	2	N	c	*	–	75	47	bm	bcm	bcm	10·3
	Bath	1027·1	72	NNE	1	bc	1030·5	*	56	+4	WNW	1	–	b	*	–	74	44	mbbcz	bzbc	bc.bm	12·3
	London (Kew Obsy.)	1026·4	72	N	2	bz	1029·5	+2	53	0	–	0	–	bz	*	–	73	45	bzb	bbz	bz.bc.c	14·0
ICELAND, FAEROE, &c.	Spitzbergen ...	999·8	28	NW	2	o	998·9	0	27	+7	NW	2	–	3	*	*	28	18				
	Isafjord... ...	1001·0	36	NE	6	o	1012·0	0	32	−5	W	2	–	c	*	*	*	*				
	Reykjavik ...	1008·7	41	N	6	c	1015·0	+1	36	−4	S	2	–	c	*	*	*	*				
	Vestmanna ...	1008·7	43	NNW	4	b	1015·9	+1	36	−4	W	2	–	b	2	*	*	*				
	Seydisfjord ...	999·1	44	W	5	bc	1012·3	+2	35	+1	NW	5	–	bc	*	*	*	*				
	Thorshavn ...	1012·2	46	W	7	o	1008·9	+4	38	−6	W	7	–	r	*	*	*	*				
NORTHERN EUROPE.	Vardö	1000·8	39	SW	3	b	999·3	−3	41	−2	SW	1	–	b	2	*	45	36				
	Bodö	1010·9	43	SW	5	c	1001·1	+3	43	−3	SW	8	SW	c	6	6	46	37				
	Christiansund	1011·1	48	W	3	o	1013·7	0	45	−4	W	6	W	c	5	6	50	39				
	Skudesnaes ..	1022·6	48	SSW	3	o	1025·3	+2	48	0	NW	5	–	c	4	6	50	45				
	Færder (X'iania Fjord)	1019·7	52	S	2	f	1017·7	0	54	+6	SW	4	–	b	2	–	54	46				
	The Scaw (Skagen)	1023·4	59	WSW	1	c	1020·8	0	54	+6	W	4	–	bc	*	–	59	48				
	Blaavands Huk	1026·9	55	W	2	b	1026·0	0	54	0	WNW	2	–	b	1	–	57	48				
	Haparanda ...	1009·9	46	SW	2	b	1003·0	−7	39	0	S	2	–	r	*	3	54	39				
	Hernösand ...	1015·8	52	S	2	c	1009·7	0	52	−9	W	6	–	c	*	Trace	66	43				
	Stockholm ...	1017·9	66	W	2	bc	1013·9	−2	62	+3	W	4	W	bc	*	–	70	52				
	Wisby	1020·8	63	SSW	2	b	1018·1	−2	59	+4	SW	4	W	bc	*	–	66	52				
	Karlstad	1019·0	64	SW	2	bc	1015·7	−1	61	+11	W	6	–	b	*	–	70	48				
	St. Petersburg	1018·9	61	NNW	1	bc	1017·3	+1	55	−4	WSW	1	S	b	*	–						
CENTRAL EUROPE.	Berlin	1022·9	70	NE	3	b	1025·7	+2	63	+2	NE	2	–	b	*	–	75	52				
	Frankfurt... ...	1021·1	70	NE	2	c	1024·8	+2	63	+2	NE	2	–	b	*	1	73	57				
	Munich	1020·4	52	E	2	r	1022·7	+1	54	+6	E	2	E	c	*	9	59	48				
	Vienna	1017·1	59	N	1	o	1018·4	+2	59	+4	N	1	–	o	*	20	66	52				
	Cuxhaven ...	1026·3	57	N	3	b	1027·3	0	57	0	NW	1	–	b	0	–	61	50				
	The Helder ...	1027·0	59	NE	2	b	1029·0	0	57	+2	NNE	1	N	b	0	–	61	50				
	Brussels	*	*	*	*	*	1026·6	+2	59	+2	NE	1	–	b	*	–	75	50				
FRANCE.	C. Gris Nez ...	1025·7	55	NE	4	b	1027·5	+2	56	+1	NNE	4	*	b	2	–	64	50				
	La Hève	1025·9	60	NE	3	b	1027·0	*	55	+2	NNE	3	*	b	2	–	66	50				
	Ushant	1028·4	56	NE	2	bc	1028·4	*	55	0	NE	3	*	b	3	–	64	50				
	Brest (St. Mathieu)	1027·3	65	NNE	3	b	1029·1	+1	55	+1	NNE	2	*	b	1	–	75	52				
	Rochefort (Ile d'Aix)	1020·7	68	E	4	hr	1023·5	+1	58	+2	SE	3	*	bc	*	3	77	55				
	Biarritz	1021·3	60	WNW	4	o	1023·0	+3	57	−2	ENE	2	*	o	2	6	66	54				
	Paris	1022·1	59	NNE	2	o	1025·1	+3	61	0	NNE	2	–	b	*	7	75	54				
	Belfort	1019·4	63	ENE	6	bc	1022·3	*	59	+8	ENE	5	*	c	*	–	66	51				
	Lyons	1019·9	61	NE	1	bc	1021·1	*	55	+5	N	2	*	c	*	–	62	50				
	Nice	1018·4	57	E	1	bc	1019·0	+2	59	−1	SW	2	*	b	1	–	72	50				
	Perpignan ..	1019·3	54	E	1	r	1021·0	+3	59	+4	NW	1	–	o	*	34	70	52				
	Sanguinaire ...	*	61	SSW	2	m	*	*	63	+2	E	3	*	m	2	–	64	55				
SOUTHERN EUROPE.	Corunna (7 a.m.)	1025·1	61	NNW	3	b	1028·3	+3	55	−2	ESE	1	–	b	1	–	63	54				
	Madrid (8 a.m.) ...	1019·8	61	NE	2	o	1022·1	+1	61	+6	E	4	–	bc	*	?	70	48				
	Lisbon (9 a.m.)	1020·4	66	NNW	4	c	1021·7	+2	64	+7	NNE	3	–	b	2	–	73	57				
	Gibraltar	1021·3	64	NW	4	b	1021·0	*	61	+1	NW	4	–	b	0	–	75	59				
	Rome	1017·6	64	SW	1	c	1017·1	0	59	+2	N	1	–	b	*	3	73	57				
	Azores (Horta, 8 a.m.)	1029·7	*	NE	5	m	1031·0	0	59	0	NNE	4	–	m	3	–	64	59				
	Madeira (Funchal)	1022·7	61	NE	2	b	1023·9	+2	64	+1	NE	2	–	b	2	–	66	59				

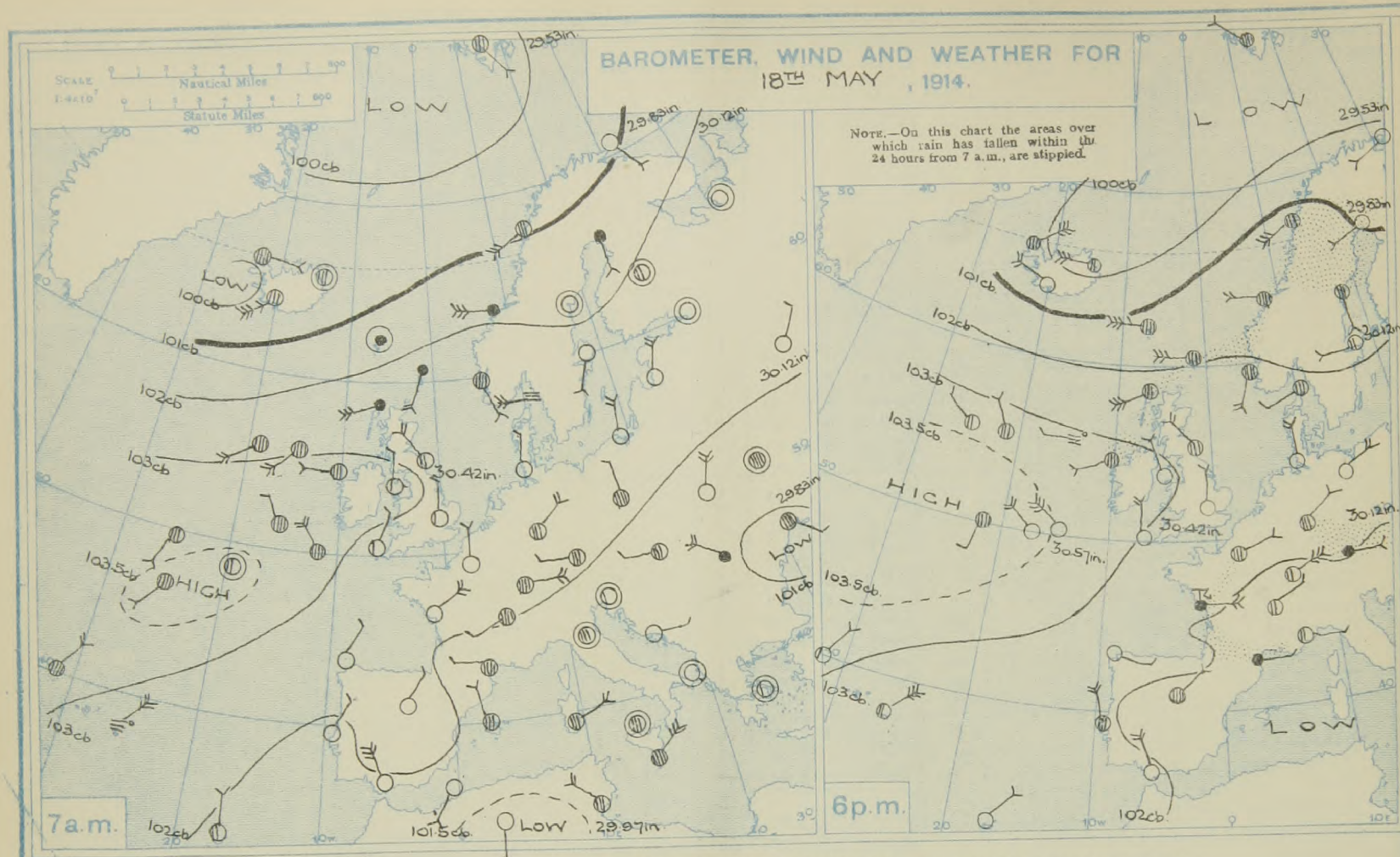
* Information for these columns not usually received. † Received too late for insertion in Charts. ‡ The barometric change is expressed in half millibars.

Equivalents of Millibars in Inches.

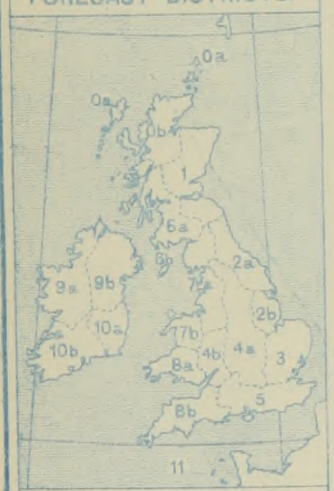
Millibars.	Inches of Mercury at 32° F. in Lat. 45.
940	27·76
950	28·05
960	28·35
970	28·65
980	28·94
990	29·24
1000	29·53
1010	29·83
1020	30·12
1030	30·42
1040	30·71
1050	31·01

1,000 millibars are equivalent to 14½ lbs. per square inch (in Lat. 45).

100 millibars to one pound and a half per square inch.



FORECASTS FOR THE 24 HOURS NOON TUESDAY TO NOON WEDNESDAY.



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.

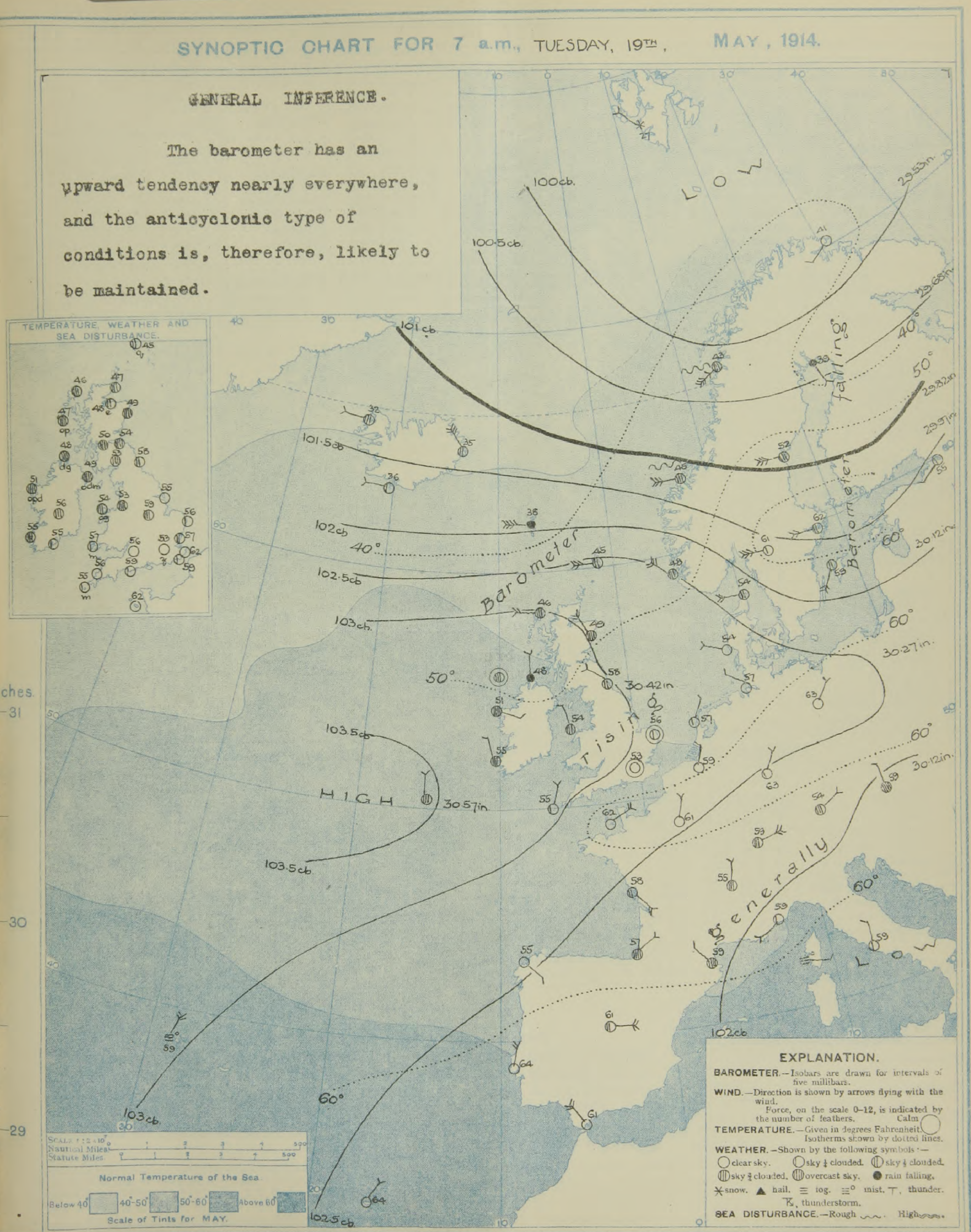
No Warnings Issued.

0 a, b, 1	Westerly breezes, occasionally fresh; cloudy to fine, slight local passing showers; moderate temperature.
2 a, b, 3, 4 a, b, 5	Calms and light variable breezes, mainly Northerly, fine; warm.
6 a, b	Same as Nos. 0 and 1.
7 a, b, 8 a, b	Same as Nos. 2 to 5.
9 a, b	Light variable breezes; cloudy, slight local showers; moderate temperature.
10 a, b	Same as Nos. 2 to 5.
Western Channel and Bay. 11	Light Northerly and North-Easterly breezes; sea slight or smooth; fine, local mist; moderate temperature.

FURTHER OUTLOOK. Similar weather continuing.

Millibars
1050
1040
1030
1020
1010
1000
990
980
970

SYNOPTIC CHART FOR 7 a.m., TUESDAY, 19TH, MAY, 1914.



DAILY WEATHER REPORT. Tuesday, 19th May, 1914.

OBSERVATIONS from the ATLANTIC OCEAN received by RADIOTELEGRAPHY.

Date and Hour.	Position. Lat. N.	Position. Long. W.	Name of Ship.	O = Outward. H = Homeward.	Barometer. Reading.	Barometer. Change in 3 hours.	Wind. Direc.	Wind. Force.	Weather.
	°	°			mb.	‡		(0–12).	
19th 7 a.m	50	15	Franconia.	H	1035.2	-2	N	1-3	c
" "	55	9	Sardinian	H	1031.5	0	–	0	c
18th 6 p.m	54	24	Teutonic	O	1033.8	+3	WNW	1-3	bc
" "	54	21	Corsican	O	1032.8	+1	NW	4-5	c
" "	49	21	Franconia	H	1037.2	0	SW	1-3	o
" "	49	16	Minneapolis	O	1037.9	0	NW	4-5	b
" "	49	14	Vaderland	O	1034.9	-1	NW	6-7	b

Date and Hour.	Position. Lat. N.	Position. Long. W.	Name of Ship	O = Outward. H = Homeward.	Barometer. Reading.	Barometer. Change in 3 hours.	Wind. Direc.	Wind. Force.	Weather.
	°	°			mb.	‡		(0–12).	
18th 6 p.m	55	13	Sardinian.	H	1030.1	+1	W	1-3	m
" 1 p.m	55	14	— do. —	H	1027.7	0	W	1-3	m
" 7 a.m	48	26	Mauretania.	O	1032.5	+1	WSW	1-3	m
" "	46	25	Franconia.	H	1035.2	+1	SW	1-3	o
" "	48	24	Messba.	O	1033.8	0	SSW	1-3	c
" "	55	19	Teutonic.	O	1026.4	+2	WSW	4-5	o
" "	48	19	Philadelphia.	O	1035.2	+1	–	0	bc

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

	Stations.	Rainfall.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 6 p.m.
		mm.§	°F.	°F.			Hr.
Scotland	Oban	2	57	47	cd	or	0.0
	St. Andrews	–	68	51	*	*	4.1
	Glenhavan	–	69	52	bcg	bc	5.1
	Carnoustie	–	68	52	*	*	6.1
Eng. N.E.	Harrogate	–	73	48	b	b	12.4
	Scarborough	*	65	42	bc	bc	9.8
	Skegness	–	62	42	bc.b	b	12.3
Eng. N.W.	Douglas (I. of M.)	–	65	45	b	b	11.5
	Morecambe	–	62	47	b	b.bc	10.3
	Blackpool	–	59	50	bc.b	b.bc.c	11.0
	Southport	–	59	50	bc.b	b.bc.c	11.0
Midlands	Buxton	–	65	44	b	b	12.1
	Leamington Spa	–	74	42	bz	bz	12.3
	Malvern	–	72	53	b	b	12.0
Wales	Rhyl	–	57	44	b	b	10.5
	Colwyn Bay	–	61	49	b	b	11.3
	Llandudno	–	64	49	b	b	10.7
	Aberystwyth	–	61	47	c.b	b.bc	12.5
	Tenby	–	71	45	b	b	12.4
	Bathas-y-Coed	–	68	45	b	b	11.2
England E.	Lowestoft	–	57	49	b	b	13.3
	Felixstowe	–	61	45	b	bv	13.8
	Walton-on-Naze	–	60	46	b	b	13.4
	Southend-on-Sea	–	70	45	b	b	13.5

	Stations.	Rainfall.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 6 p.m.
		mm.§	°F.	°F.			Hr.
England, S.E.	Margate	–	57	51	b	b	12.8
	Ramsgate	–	62	49	b	b	13.2
	Folkestone	–	68	49	b	b	13.2
	Hythe	–	69	49	b	b	13.1
	Littlestone	*	*	*	*	*	13.3
	Hastings	–	71	48	b	b	13.5
	Bexhill-on-Sea	–	71	49	b	b	13.2
	Eastbourne	–	71	48	b	b	13.5
	Seaford	–	73	45	b	b	13.2
	Brighton	–	74	48	b	b	13.0
	Worthing	–	74	48	b	b	13.4
	Littlehampton	–	*	*	*	*	13.2
	Bognor	–	73	48	b	b	13.1
	Southsea	–	74	47	b	b	12.3
	Ryde	–	74	50	b	b	13.5
	Ventnor	–	71	47	*	*	13.5
	Bournemouth	–	75	44	bz	bz	13.0
England, S.W.	Weymouth	–	76	47	b	bz	12.5
	Exmouth	–	67	46	b	b	12.0
	Teignmouth	–	71	48	b	b	11.9
	Torquay	–	71	50	b	bc	12.3
	Paignton	–	71	47	b	b	11.3
	Falmouth	–	72	51	b	b	12.7
	Bude	–	66	41	o.bz	b	12.5
	Ilfracombe	–	65	48	b	b	11.6
	Weston-super-Mare	–	70	45	b	b	12.0

LONDON OBSERVATIONS.

Stations.	Humidity. 3 p.m. Yesterday.	Humidity. 9 a.m. To-day.	Sunshine for Yesterday.	Temperature. In Screen. Max. (24 hours ended 9 a.m. To-day)	Temperature. In Screen. Min.	Temperature. Min. on Grass.	Rainfall.	Weather. Forenoon.	Weather. Afternoon.	Weather. Night.
	%	%	Hr.	°F.	°F.	°F.	mm.§			
Greenwich (Royal Obsy.)	39	53	14.1	74	42	31	–	b	b	b.bz
City (Bunhill Row)	*	*	13.1	*	*	*	*	*	*	*
Westminster (St. James's Pk.)	37	57	13.4	74	47	42	–	b	b	b.bm
Camden Sq. (Brit. Rainfall)	35	59	12.5	78	47	42	–	b	b	*
Hampstead (Reservoir)	*	62	14.2	71	51	37	–	b	b	bm
Richmond Park	*	*	13.4							
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.)	2299 Joules	40.8 Milliwatts.	74.5 Milliwatts.

Additional Observations for Yesterday.

Stations.	Rainfall.	Temperature. In Screen. Max.	Temperature. In Screen. Min.	Temperature. Night Min. on Grass.	Weather. Night.	Weather. Forenoon.	Weather. Afternoon.	Sunshine for Yesterday.
	mm.§	°F.	°F.	°F.				Hr.
Dublin to 4 p.m.	–	66	50	48	b.o	o.c.b	bc	*
Plymouth to 9 p.m.								
Darwen "	–	66	47	42	bcw	bc	bc	11.0
Manchester "	–	66	47	*	bz	bc	bc	9.6
Birmingham "	–	70	50	32	*	b	b	11.9
Oxford to 8 p.m.	*	75	41	34	b	b	b.bz	*
S. Kensington (Museum Grounds to 6 p.m.)	–	75	48	39	bc.b	b	b.bz	*

Table showing the Greenwich Times of Sunrise, Noon and Sunset for Stations in the United Kingdom To-day and To-morrow.

19th & 20th May 1914.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth	3.53 3.51	11.49 11.49	7.44 7.46
Greenwich	4.5 4.4	11.56 11.56	7.47 7.48
Wick	3.40 3.38	12.8 12.8	8.37 8.39
Valencia	4.44 4.43	12.37 12.37	8.29 8.30

NOTES ON YESTERDAY'S WEATHER.

Temperature exceeded 70° in many parts of this country, and touched 76° at Weymouth. Fine, dry weather ruled nearly everywhere, the duration of bright sunshine exceeding 13 hours at numerous stations. As far west as the 30th meridian ships experienced light to fresh breezes between South-West and North-West, with fine to cloudy weather, local mist.

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. Single copies 1d. at M.O. and at the bookstalls at certain Railway Termini in London.

Printed at the Meteorological Office, South Kensington, London, S.W. By Wyman & Sons Ltd., Fetter Lane, London, E.C., and Reading.

§ 1 m.m. is approximately 4 hundredths of an inch. ‡ The barometric change is expressed in half-millibars.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

Wednesday, 20th May, 1914.

	STATIONS.	YESTERDAY EVENING. Barom. Millibars at M.S.L.	Temp. °F.	Wind Direc.	Wind Force 0-12.	Weather.	THIS MORNING 7 A.M., G.M.T. Barometer. Millibars at M.S.L.	Barometer. Change in 3 hours. ‡	Temp. Dry Bulb. °F.	Temp. Change in 24 hours. °F.	Wind Direc.	Wind Force 0-12.	Direc. of Upper Cloud.	Weather.	Sea 0-9.	PAST 24 HOURS. Rainfall. Millimetres.	Temp. Max. °F.	Temp. Min. °F.	Weather. Morning.*	Weather. Afternoon.	Weather. Night.	Sunshine for Yesterday. Hours.
BRITISH ISLANDS.	Lerwick ...	1028·9	47	WSW	4	cq	1022·8	-4	42	-3	S	3	-	omr	2	2	50	41	cpq	c	bc omr	*
	Stornoway ...	1030·0	50	W	3	c	1015·7	-7	51	+5	WSW	5	W	odm	4	9	52	42	c	c	odm	2·0
	Castlebay (Barra Isd.)	1030·1	49	WSW	3	o	1018·1	-2	51	+4	WSW	5	-	op	5	8	51	47	op.bc	bc.b.o	op.r.op	5.5
	Glasgow ...	1030·2	56	W	2	b	1023·8	-4	52	+2	SW	5	-	od	*	2	58	47	o.c	bc.b.	c.od	7·7
	Eskdalemuir ...	1029·6	58	WSW	2	bc									*				o	o.c.bc		
	Malin Head ...	1031·3	50	ESE	2	b	1023·0	+1	53	+5	W	6	-	m	5	-	55	47	bc	bc	omq	*
	Blacksod Point	1031·6	54	WNW	2	bc	1026·3	+1	53	+2	WSW	4	W	om	3	-	58	50	opd.bc3	bcq	bcm.om	*
	Valencia ...	1032·8	58	W	1	c	1030·8	0	54	-1	W	2	W	o	3	-	59	51	c	c	c	5·0
	Roche's Point	1032·5	60	SW	2	c	1030·4	*	57	+2	S	1	-	b	1	Trace	68	53	b.o.c.	c.bc.o.c	c.b	*
	Birr Castle ...	1031·5	62	W	1	c	1028·4	*	56	0	WSW	2	W	c	*	-	62	54	c	c	c	0·2
	Donaghadee ...	1032·7	52	NNE	2	c3	1026·8	-4	55	+6	SW	3	SW	cg	3	-	55	46	o3	bcq	cm.cgm	*
	Liverpool (Bidston)	1031·4	55	WNW	1	c	1028·6	-?	56	+3	SSW	1	W	o	1	-	61	53	o	bc	o	3·3
	Holyhead ...	1033·3	54	NNW	4	og	1029·8	-1	55	+1	SW	4	W	cv	3	-	60	51	om.bc	bc.o.c.o	o.c.o	?2·4
	Pembroke (St. Ann's)	1031·1	59	N	3	b	1030·5	-1	58	+1	-	0	-	bc	0	-	62	51	bm.bc	bc.b	b	14·2
	Newquay ...	1029·8	60	NNW	3	b	1030·1	0	56	0	N	1	-	b	1	-	60	52	b	b	b	14·0
	Scilly (St. Mary's)	1030·3	59	NNE	3	bm	1030·3	0	57	+2	NNE	1	-	b	2	Trace	61	53	bm	bm	bm.bw	13·6
	Jersey (St. Aubin)	1028·0	69	N	3	b	1029·2	*	60	-2	E	3	-	bcm	3	-	74	53	b	b	bm	14·2
	Portland Bill ...	1028·4	60	WNW	1	b	1029·6	0	58	-1	-	0	-	b	0	-	69	53	b	b	b	*
	Dungeness ...	1028·4	59	NE	4	bc	1029·4	+1	52	-7	N	2	N	f	2	-	69	47	b	b.bc	bcf	*
	Dover	1028·4	56	N	4	b	1028·8	*	52	-10	N	2	-	f	2	?	70	48	b	b	bf.w	14·2
	Wick	1029·8	49	WNW	3	bc	1019·1	-5	45	-2	SE	3	-	r	3	2	51	44	cm.omq	omq.bc	omp.r	*
	Nairn	1030·0	53	-	0	cv	1018·6	*	50	+2	-	0	-	cu	0	4	59	43	bc.c	o.c	cp	0·1
	Aberdeen ...	1031·5	49	SSE	3	o	1021·7	-3	47	-2	S	3	-	r	2	4	53	47	c.o	o	cr	1·2
	Leith	1029·3	56	W	1	b	1023·3	-3	56	+2	WSW	3	W	op	*	-	61	48	o	c.bq	b	*
	North Shields ...	1032·8	50	SE	3	omg	1027·8	-4	55	-3	SW	3	-	om	3	-	59	49	omq	omq	omq	0·5
	Spurn Head ...	1031·1	55	ENE	2	o	1028·7	-3	53	-2	S	3	-	o	2	-	62	50	bc	bc.o	o	7·2
	Yarmouth ...	1029·2	57	N	2	b	1030·6	0	52	-4	NE	2	-	bc	1	-	61	50	b	b	b.bc	13·8
	Clacton-on-Sea	1029·1	58	NE	3	bq	1029·8	0	53	-4	E	2	-	og	1	-	66	49	bc.bq	bq	bcq.og	13·3
	Nottingham ...	1030·1	63	E	3	o	1029·3	*	56	-3	WSW	1	W	cm	*	-	68	53	c.og	og	o	4·0
	Bath	1029·1	70	NNE	2	m	1030·1	*	55	-1	NE	1	-	m	*	-	74	47	m.b.bcq	cq.bc.b	q.bc.cm	12·9
	London (Kew Obsy.)	1028·3	69	E	3	bq	1029·9	0	53	0	-	0	-	cq	*	-	72	47	bq	bq	bq.bc.cq	12·2
ICELAND, FAEROE, &c.	Spitzbergen ...	999·7	26	-	0	b	1002·1	+1	21	-6	SE	1	-	b	*	*	30	3				
	Isafjord... ...	1009·1	36	W	3	s	1007·3	0	30	-2	W	6	-	c	*	*	*	*				
	Reykjavik ...	1014·6	39	WSW	7	o	1007·4	-1	39	+3	W	2	-	o	*	*	*	*				
	Vestmanna ...	1017·1	42	W	4	bc	1009·0	-2	40	+4	SW	7	-	o	2	*	*	*				
	Seydisfjord ...	1014·7	45	W	2	o	1009·1	-4	42	+7	SW	1	-	c	*	*	*	*				
	Thorshavn ...	1023·7	45	W	5	o	1017·6	-3	43	+5	-	0	-	o	*	*	*	*				
NORTHERN EUROPE.	Vardö	995·3	41	-	0	bc	996·7	0	41	0	ENE	5	-	o	2	*	43	36				
	Bodö	996·8	39	SW	8	r	1012·7	+5	37	-6	WSW	4	-	c	3	6	43	36				
	Christiansund	1020·2	43	W	6	c	1022·2	0	39	-6	SW	3	-	r	4	8	46	37				
	Skudesnaes ..	1028·3	59	NW	5	b	1025·7	0	46	-2	SW	2	-	o	1	-	59	46				
	Færder (X'iania Fjord)	1021·9	54	NW	5	bc	1025·2	+1	48	-6	W	2	-	bc	1	-	57	46				
	The Scaw (Skagen)	1022·6	52	WNW	5	o	1025·9	+1	50	-4	NNW	3	-	c	*	-	55	46				
	Blaavands Huk	1028·8	50	N	3	bc	1029·3	0	50	-4	NNW	2	-	o	2	-	57	45				
	Haparanda ...	1001·5	52	W	4	b	1004·2	0	48	+9	NW	6	NW	b	*	1	57	39				
	Hernösand ...	1011·5	63	SW	4	b	1017·3	+3	48	-4	WNW	6	W	b	*	-	63	43				
	Stockholm ...	1013·6	54	E	4	bc	1020·0	+3	50	-12	NW	2	-	b	*	-	68	45				
	Wisby	1015·9	57	WNW	2	b	1021·1	+3	50	-9	NNE	4	NW	b	*	-	66	48				
	Karlstad	1017·9	57	W	6	c	1023·8	+3	48	-13	NNW	2	-	b	*	-	64	39				
	St. Petersburg	1009·7	57	W	2	bc	1013·2	+2	52	-3	NW	2	-	bc	*	-	72	48				
CENTRAL EUROPE.	Berlin	1023·1	73	N	3	b	1026·3	+2	57	-6	W	2	-	b	*	-	79	54				
	Frankfurt... ...	1023·0	75	NE	2	b	1026·9	+2	63	0	NE	3	NW	b	*	-	77	55				
	Munich	1021·9	59	SSW	1	bc	1024·7	0	57	+3	NE	3	-	b	*	1	66	46				
	Vienna	1019·3	63	NW	1	b	1020·4	+1	61	+2	NNW	3	-	b	*	-	70	57				
	Cuxhaven ...	1027·8	57	N	3	b	1029·3	+2	54	-3	NE	2	-	b	0	-	61	48				
	The Helder ...	1028·8	57	NNE	3	b	1030·3	0	55	-2	E	2	-	b	1	-	61	52				
	Brussels	*	*	*	*	*	1028·6	+2	52	-7	NNE	1	-	o	*	-	77	50				
FRANCE.	C. Gris Nez ...	1027·7	55	NE	4	b	1028·8	0	53	-3	NE	4	*	f	2	-	63	52				
	La Hève	1027·0	63	NE	3	b	1028·6	*	55	0	NE	1	*	m	1	-	72	50				
	Ushant	1029·7	57	NE	1	b	1029·6	*	55	0	NE	1	*	b	2	-	64	50				
	Brest (St. Mathieu)	1028·7	63	NNE	2	m	1029·3	0	57	+2	NNE	1	*	b	0	-	68	52				
	Rochefort (Ile d'Aix)	1023·5	68	SSE	4	o	1025·3	0	61	+3	NNE	3	*	b	*	-	81	57				
	Biarritz	1024·0	60	WNW	4	o	1025·2	+2	60	+3	WNW	3	*	o	3	b	61	57				
	Paris	1023·9	73	NNE	2	b	1027·0	+1	57	-4	N	2	NE	b	*	-	79	52				
	Belfort	1021·1	68	ENE	6	c	1024·7	*	57	-2	ENE	4	*	m	*	-	70	50				
	Lyons	1020·3	69	NNE	1	b	1022·9	*	59	+4	NNW	1	*	b	*	-	72	54				
	Nice	1018·6	62	SW	1	b	1019·4	+1	64	+5	-	0	*	o	1	-	72	54				
	Perpignan ..	1020·2	68	NW	1	bc	1021·9	+1	64	+5	NW	3	-	b	*	-	72	57				
	Sanguinaire ...	*	60	N	3	m	*	*	62	-1	E	1	*	o	2	-	63	55				
SOUTHERN EUROPE.	Corunna (7 a.m.)	1027·0	59	NW	4	b	1028·3	0	61	+6	-	0	-	b	1	-	61	52				
	Madrid (8 a.m.) ...	1020·0	70	NNW	1	bc	1025·2	+1	61	0	NE	1	-	c	*	-	70	48				
	Lisbon (9 a.m.)	1024·7	75	N	4	b	1023·7	+1	66	+2	NE	4	-	b	2	-	79	63				
	Gibraltar	1026·4	66	W	5	b	1021·6	*	62	+1	W	5	-	c	0	-	73	59				
	Rome	1016·8	61	-	0	b	1015·9	0	55	-4	-	0	-	c	*	1	73	55				
	Azores (Horta, 8 a.m.)	1032·2	*	NNE	4	m	1031·9	0	59	0	NE	3	-	c	3	-	66	57				
	Madeira (Funchal)	1026·1	63	NE	2	b	1025·3	+1	64	0	NE	2	-	b	2	-	70	59				

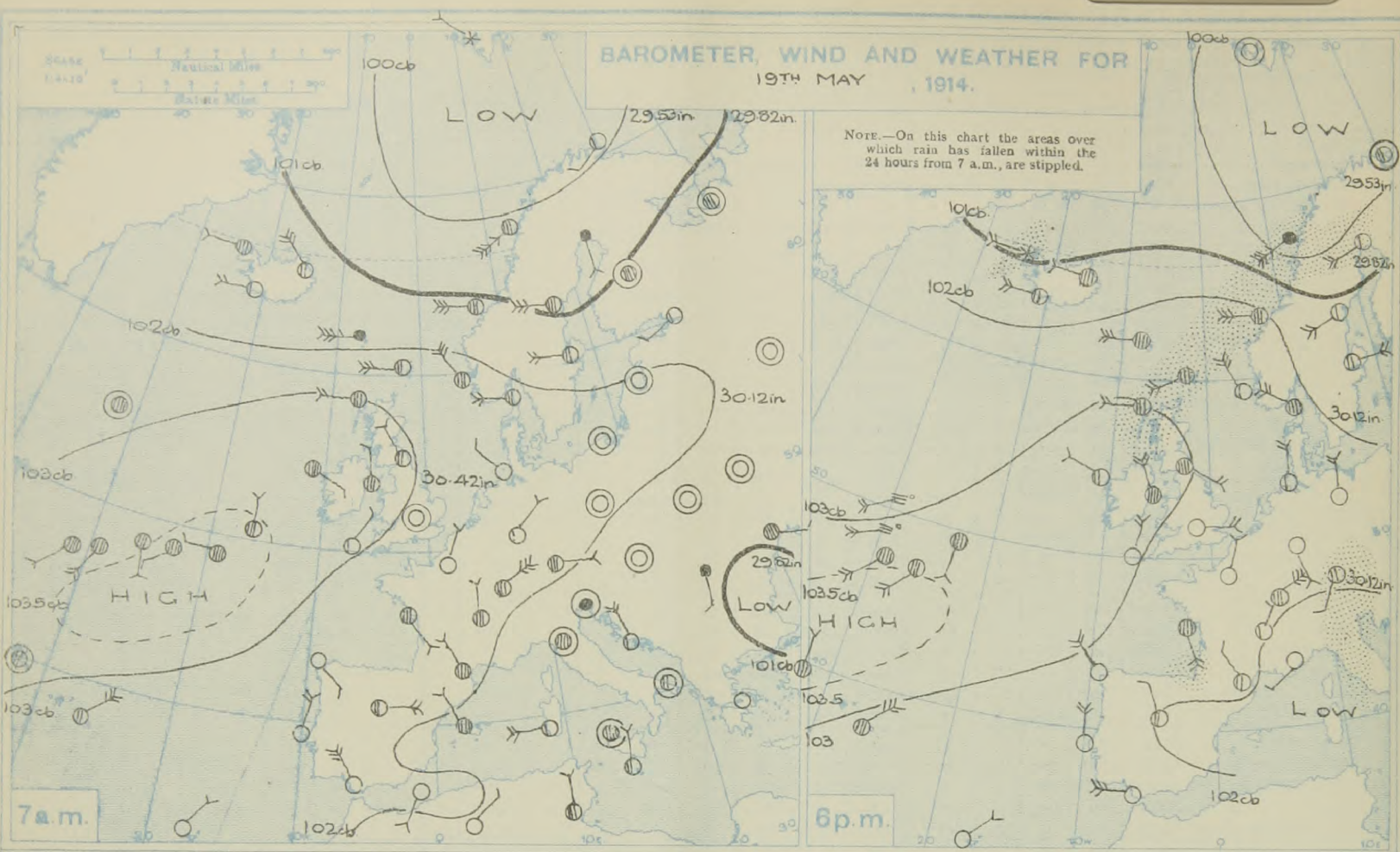
* Information for these columns not usually received. † Received too late for insertion in Charts. ‡ The barometric change is expressed in half millibars.

Equivalents of Millibars in Inches.

Millibars.	Inches of Mercury at 32° F. in Lat. 45.
940	27·76
950	28·05
960	28·35
970	28·65
980	28·94
990	29·24
1000	29·53
1010	29·83
1020	30·12
1030	30·42
1040	30·71
1050	31·01

1,000 millibars are equivalent to 14½ lbs. per square inch (in Lat. 45).

100 millibars to one pound and a half per square inch.



FORECASTS FOR THE 24 HOURS NOON WEDNESDAY TO NOON THURSDAY.

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.

0 (a, b), 1 — Southerly to Westerly breezes, moderate to fresh at times; some rain and mist, fair intervals; cooler.

2 (a, b) — Light to moderate Southerly to Westerly breezes; changeable, some showers and mist; moderate temperature.

3, 4 (a, b), 5 — Calms and light variable breezes, mainly North-Easterly; fine generally, some mist or fog; warm.

6 (a, b) — Same as Nos. 0 and 1.

7 (a, b) — Same as No. 2.

8 (a, b) — Same as Nos. 3 to 5.

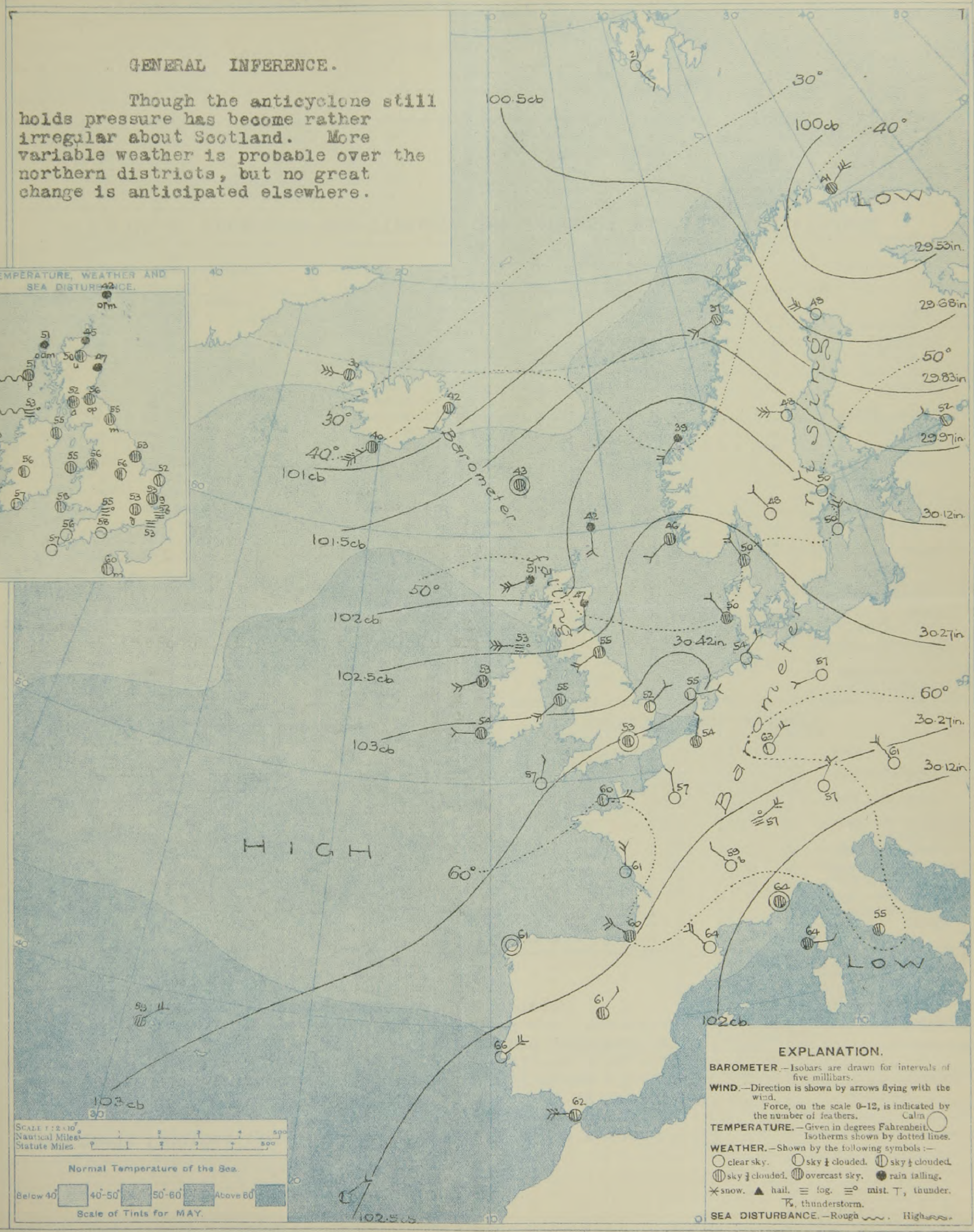
9 (a, b) — Same as Nos. 0 and 1.

10 (a, b) — Light to moderate Westerly breezes; cloudy to fine, local showers; moderate temperature.

Western Channel and Bay. 11 — Calms and light North-Easterly breezes; smooth sea; fine generally, local mist or fog; moderate temperature.

FURTHER OUTLOOK.

SYNOPTIC CHART FOR 7 a.m., WEDNESDAY, 20TH MAY, 1914.



OBSERVATIONS from the ATLANTIC OCEAN received by RADIOTELEGRAPHY.

Date and Hour.	Position. Lat. N.	Position. Long. W.	Name of Ship.	O = Outward. H = Homeward	Barometer. Reading.	Barometer. Change in 3 hours.	Wind. Direc.	Wind. Force.	Weather.	Date and Hour.	Position. Lat. N.	Position. Long. W.	Name of Ship	O = Outward. H = Homeward	Barometer. Reading.	Barometer. Change in 3 hours.	Wind. Direc.	Wind. Force.	Weather.
	°	°			mb.	‡		(0–12).				°			mb.	‡		(0–12).	
19th 6 p.m.	48	29	Victorian	H	1029.4	0	WSW	4-5	m	19th 7 a.m.	53	30	Teutonic	O	1026.1	-8	—	0	0
" "	50	28	Empress of Britain	H	1026.7	-1	WSW	4-5	m	" "	47	30	Philadelphia	O	1032.2	-2	SW	4-5	0
" "	47	28	Adriatic	H	1031.5	-1	SW	4-5	o	" "	49	28	Caronia	H	1031.8	+1	SSW	4-5	0
" "	47	26	Minneapolis	O	1034.5	-1	SW	4-5	c	" "	48	25	Sicilian	H	1033.5	+3	S	1-3	c
" "	49	24	Caronia	H	1030.8	-1	SSW	4-5	b	" "	48	22	Minneapolis	O	1037.2	-1	?	?	o
" "	49	22	Sicilian	H	1033.5	-3	SSW	1-3	o	" "	48	18	Vaderland	O	1034.9	+3	W	1-3	o
" "	48	22	Vaderland	O	1031.8	-3	SW	4-5	c										

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

	Stations.	Rainfall.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 6 p.m.
		mm.§	° F.	° F.			Hr.
Scotland.	Oban	–	55	47	bc.b	bc	5.9
	St. Andrews	–	55	50	*	*	5.7
	Stonehaven	–	55	48	c	c	0.8
	Carnoustie	–	53	49	*	*	3.3
Eng., N.E.	Harrogate	–	60	47	b.bc.c	o	2.8
	Scarborough	*	57	52	o	o	3.4
	Skegness	–	61	46	b	b	11.6
Eng., N.W.	Douglas (I. of M.)	–	60	54	o	o	0.2
	Morecambe	–	65	47	o	bc.o	2.0
	Blackpool		6				
	Southport	–	61	40	o.bc	bc.c	2.7
Midlands.	Buxton	–	68	46	b	bc	5.5
	Leamington Spa	–	72	42	bz	bcz	11.7
	Malvern	–	70	52	b	b	11.5
Wales.	Rhyl	–	59	50			2.9
	Colwyn Bay	–	60	52	bc.b	b	3.0
	Llandudno	–	63	50	o	bc	4.3
	Aberystwyth	–	61	45	c.b	b	12.7
	Tenby	–	70	47	b	b	12.0
	Bettws-y-Coed	–	62	45	c	o	0.0
England, E.	Lowestoft	–	59	45	bc.	b	13.5
	Felixstowe	–	62	44	b	b	13.5
	Walton-on-Naze	–	62	44	bz	bz	13.3
	Southend-on-Sea	–	68	49	b	b	13.5

	Stations.	Rainfall.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 6 p.m.
		mm.§	° F.	° F.			Hr.
England, S.E.	Margate	–	59	51	b	b	13.0
	Ramsgate	–	65	49	b	b	13.1
	Folkestone	–	71	51	b	b	13.2
	Hythe	–	71	48	b	b	13.2
	Littlestone	*	*	*	*	*	13.2
	Hastings	–	73	51	b	b	13.5
	Bexhill-on-Sea	–	72	51	b	b	13.5
	Eastbourne	–	68	50	b	b	13.5
	Seaford	–	74	44	b	b	13.2
	Brighton	–	75	50	b	b	13.4
	Worthing	–	73	47	b	b	13.3
	Littlehampton		*	*	*	*	
	Bognor	–	70	48	b	b	13.0
	Southsea	–	72	48	b	b	12.6
	Ryde	–	73	50	b	b	12.5
	Ventnor	–	69	53	*	*	13.3
	Bournemouth	–	75	49	bz	bz	12.5
England, S.W.	Weymouth						
	Exmouth						
	Teignmouth	–	70	53	b	b	12.5
	Torquay	–	71	53	b	b	12.7
	Paignton	–	72	54	b	b	12.0
	Falmouth	–	71	52	b	b	12.1
	Bude	–	68	43	b	b	12.7
	Ilfracombe	–	65	49	b	b	13.0
	Weston-super-Mare	–	72	50	b	b	12.5

LONDON OBSERVATIONS.

Stations.	Humidity. 3 p.m. Yesterday.	Humidity. 9 a.m. To-day.	Sunshine for Yesterday.	Temperature. In Screen. Max.	Temperature. In Screen. Min.	Temperature. Min. on Grass.	Rainfall.	Weather. Forenoon.	Weather. Afternoon.	Weather. Night.
				24 Hours ended 9 a.m. To-day.						
	%	%	Hr.	° F.	° F.	° F.	mm.§			
Greenwich (Royal Obsy.)	46	74	12.3	75	44	38	–	bz	bz	bz.c
City (Bunhill Row)	*	*	11.3	*	*	*	*	*	*	*
Westminster (St. James's Pk.)	50	68	11.0	73	50	44	–	b	b	bm
Camden Sq. (Brit. Rainfall)	48	68	12.0	75	48	42	–	b	b	*
Hampstead (Reservoir)	*	68	12.2	70	50	39	–	bc	b	bm
Richmond Park	*	*	10.9							
Kew. (See front page.)										
S. Kensington (Roof of M.O.)	46	68	10.6							

Vertical Component of Solar Radiation per square centimetre during Yesterday.

Total.	Average Rate.	Max. Rate.
1634 Joules	28.9 Milliwatts.	56.0 Milliwatts.

Additional Observations for Yesterday.

Stations.	Rainfall.	Temperature. In Screen. Max.	Temperature. In Screen. Min.	Temperature. Night Min. on Grass.	Weather. Night.	Weather. Forenoon.	Weather. Afternoon.	Sunshine for Yesterday.
	mm.§	° F.	° F.	° F.				Hr.
Dublin to 4 p.m.	1	63	57	56	bc.o	o.c	obg	*
Plymouth to 9 p.m.	–	69	52	48	b	b	bc	13.4
Darwen "	–	61	47	43	bcw.o	ogu	ou.bc	0.6
Manchester "	–	63	46	*	bcf	of.o	c.o	0.0
Birmingham "	–	68	49	42	*	bc	c.o	9.0
Oxford to 8 p.m.	*	74	46	39	bz	bz.bcz	bcz.bz	*
S. Kensington (Museum Grounds to 6 p.m.)	–	73	51	40	bz	b	bz	*

Table showing the Greenwich Times of Sunrise, Noon and Sunset for Stations in the United Kingdom To-day and To-morrow.

20th & 21st May, 1914.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth	3.51 3.50	11.49 11.49	7.46 7.48
Greenwich	4.4 4.2	11.56 11.56	7.48 7.50
Wick	3.38 3.36	12.8 12.8	8.39 8.41
Valencia	4.43 4.41	12.37 12.37	8.30 8.32

NOTES ON YESTERDAY'S WEATHER.

Temperature remained below 55° at some northern stations, but passed 70° at many southern ones, 75° at Bournemouth and Brighton. Fair amounts of rain fell over Northern Scotland. At some northern stations there was very little sunshine, but generally the records were large, exceeding 13 hours in many localities. At sea between the 20th and the 32nd meridians ships experienced light to moderate South-Westerly breezes, cloudy weather, local mist.

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. Single copies 1d. at M.O. and at the bookstalls at certain Railway Termini in London.

Printed at the Meteorological Office, South Kensington, London, S.W. By Wyman & Sons Ltd., Fetter Lane, London, E.C., and Reading.

§ 1 m.m. is approximately 4 hundredths of an inch. ‡ The barometric change is expressed in half-millibars.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

Thursday, 21st May, 1914.

	STATIONS.	YESTERDAY EVENING. Barom. Millibars at M.S.L.	Temp. °F.	Wind Direc.	Wind Force 0-12	Weather.	THIS MORNING 7 A.M., G.M.T. Barometer. Millibars at M.S.L.	Barometer. Change in 3 hours. ‡	Temp. Dry Bulb. °F.	Temp. Change in 24 hours. °F.	Wind Direc.	Wind Force 0-12.	Direc. of Upper Cloud.	Weather.	Sea 0-9.	PAST 24 HOURS. Rainfall. Millimetres.	Temp. Max. °F.	Temp. Min. °F.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Sunshine for Yesterday. Hours.
BRITISH ISLANDS.	Lerwick ...	1017.6	48	NW	3	c	1018.8	-2	45	+3	S	3	SW	cp	2	2	51	41	omr	om	o.cp	*
	Stornoway ...	1022.2	50	W	5	c	1015.7	-6	45	-6	S	2	S	odm	2	2	54	42	odp.cq	odpq	bc.odm	5.3
	Castlebay (Barra Isd.)	1023.3	49	W	3	bc	1017.0	-1	49	-2	W	4	–	c	4	1	51	46	p.o	op.bc	bc.o.c	3.7
	Glasgow ...	1024.1	52	W	5	o	1021.2	-3	53	+1	SSW	4	SW	o	*	4	53	46	d.o	o	o.bcp.o	0.0
	Eskdalemuir ...	1024.6	53	W	3	o	1022.8	-2	51		SSW	3	–	om	*	1	57	48	odm.oq	oq.op.o	o.om	2.3
	Malin Head ...	1025.3	51	WNW	4	ome	1020.8	+1	52	-1	WSW	5	W	c	4	Trace	54	49	cmq	ome	cq	*
	Blacksod Point	1026.2	53	SW	3	omd	1023.2	0	52	-1	WSW	2	W	cv	2	1	58	49	omd	omd	odm.cm	*
	Valencia ...	1029.1	56	WSW	2	oz	1026.7	+1	54	0	SW	1	SW	o	3	0.3	59	51	oz	cz	omr	2.2
	Roche's Point	1028.7	60	WSW	3	bc	1027.4	*	55	-2	SW	3	–	o	3	Trace	65	50	c	c.bc	c.b.om	*
	Birr Castle ...	1027.4	57	NW	1	o	1024.4	*	55	-1	SW	2	SW	o	*	–	66	53	c	c.o	c.o	0.4
	Donaghadee ...	1026.0	59	W	4	cg	1023.2	-1	55	0	SW	3	SW	c	3	–	61	50	cg	cg	cg.c	*
	Liverpool (Bidston)	1027.4	59	W	3	o	1025.5	-1	56	0	SW	1	W	o	1	–	66	54	o.c	bc	c	5.4
	Holyhead ...	1028.6	59	SW	3	og	1026.3	-1	54	-1	SSW	5	W	bcq	3	–	63	52	o.c.o.cf	c.bc.b.o	o.c.o.c	3.1
	Pembroke (St. Ann's)	1029.3	52	WSW	3	f	1027.6	0	52	-6	W	3	W	cg	3	Trace	62	51	bc.b	bf	f.bem	11.2
	Newquay ...	1029.3	57	NW	3	b	1028.3	0	56	0	WNW	3	–	cz	3	–	62	53	bv	bv	b	14.0
	Scilly (St. Mary's)	1030.4	59	NNW	3	b	1029.3	+1	55	-2	NW	2	NW	bc	2	–	64	49	b	b	b.bc	14.1
	Jersey (St. Aubin)	1028.4	58	NNW	2	b	1028.1	*	61	+1	NNW	1	–	bm	0	–	75	46	b	b	em	12.5
	Portland Bill ...	1028.2	60	W	1	b	1028.6	0	55	-3	NW	2	–	b	2	–	64	52	b	b	b	*
	Dungeness ...	1027.7	54	S	1	f	1027.4	0	55	+3	WSW	1	–	b	1	–	65	47	bz	bf	bf	*
	Dover	1027.1	56	SSE	1	b	1026.4	*	55	+3	–	0	–	bm	1	–	68	48	fb	b	bm	8.8
	Wick	1019.6	46	WSW	5	r	1018.7	-4	47	+2	SSW	4	SW	c	4	1	58	38	omr.o	omqd	omq.c	*
	Nairn	1021.3	53	WNW	4	cg	1018.4	*	50	0	W	1	–	bc	1	0.3	62	36	bcq	q.bc	cgd	5.4
	Aberdeen ...	1019.8	61	W	4	b	1020.4	-3	51	+4	SSW	2	SW	b	2	Trace	65	39	o.c.	c.bc.bq	b	5.9
	Leith	1022.8	56	W	4	c	1021.1	-3	57	+1	SW	3	SW	c	*	1	59	47	or.og	c	bc.b	*
	North Shields ...	1025.9	59	W	4	cm	1025.2	-3	56	+1	SW	2	SW	cm	2	–	67	50	bem	bem	bem	2.1
	Spurn Head ...	1026.4	61	WNW	4	c	1027.1	-1	57	+4	W	1	–	cp	0	1	64	52	o.c	c	bem	2.3
	Yarmouth ...	1027.7	55	SSE	2	bm	1026.6	0	60	+8	–	0	W	bem	0	–	61	51	bem	bm	bc	9.2
	Clacton-on-Sea	1026.7	57	SE	1	bc	1026.4	0	60	+7	ESE	1	–	bcz	1	–	60	52	ogm.om	o.bc	bcz	5.9
	Nottingham ...	1026.8	65	W	3	c	1026.5	*	54	-2	SW	1	SW	bm	*	–	69	48	cm.o	c	c.b	2.9
	Bath	1027.7	70	NW	3	b	1028.1	*	53	-2	W	2	W	o	*	–	64	48	m.bbcz	c.bcbz	z.bm.o	12.6
	London (Kew Obsy.)	1026.4	73	NNW	1	b	1026.9	0	57	+4	SSW	1	–	bz	*	–	76	50	czbzczc	c.bc.b	b.bcz	11.2
ICELAND, FAEROE, &c.	Spitzbergen ...	1005.1	27	–	0	o	1009.0	+3	23	+2	–	0	–	S	*	*	30	18				
	Isafjord... ...	1007.4	34	N	3	o	1008.7	+2	27	-3	N	9	–	c	*	*	*	*				
	Reykjavik ...	1006.3	38	N	4	bc	1001.0	-3	33	-6	N	7	–	c	*	4	*	*				
	Vestmanna ...	1004.4	45	SW	1	b	996.6	-5	37	-3	–	0	–	o	2	*	*	*				
	Seydisfjord ...	1002.4	49	SW	4	c	1002.1	-1	32	-10	E	2	–	S	*	*	*	*				
	Thorshavn ...	1017.5	46	WSW	3	c	1010.7	-5	44	+1	SW	5	–	o	*	*	*	*				
NORTHERN EUROPE.	Vardö	1008.6	36	N	4	o	1012.3	+2	39	-2	WSW	6	–	b	3	*	41	36				
	Bodö	1018.1	41	SW	2	b	1019.3	0	39	+2	E	3	S	b	2	–	41	32				
	Christiansund	1019.8	45	–	0	c	1017.2	0	43	+4	–	0	–	b	3	Trace	45	39				
	Skudesnaes ..	1017.5	46	SE	5	r	1018.9	+1	48	+2	NW	3	–	c	2	4	48	43				
	Færder (X'tania Fjord)	1019.7	50	SW	5	c	1017.7	0	50	+2	–	0	–	o	2	Trace	52	46				
	The Scaw (Skagen)	1022.9	48	W	3	o	1018.7	+1	52	+2	W	3	–	m	*	1	52	45				
	Blaavands Huk	1024.8	50	SW	2	o	1022.7	+1	52	+2	WNW	3	–	c	3	1	52	48				
	Haparanda ...	1012.2	46	NW	6	b	1019.3	+2	43	-5	N	2	N	b	*	1	54	34				
	Hernösand ...	1019.0	50	NW	4	b	1021.2	0	45	-3	N	2	NW	bc	*	–	54	36				
	Stockholm ...	1019.0	55	W	2	o	1019.3	+1	52	+2	SSW	2	–	o	*	–	61	43				
	Wisby	1021.3	52	W	2	c	1020.8	0	55	+5	S	2	SE	b	*	–	57	46				
	Karlstad	1020.3	52	SSW	2	o	1019.3	?	50	+2	SSW	2	–	c	*	–	57	45				
	St. Petersburg														*		*					
CENTRAL EUROPE.	Berlin	1023.7	66	NW	3	b	1025.1	+1	55	-2	W	2	–	o	*	–	70	50				
	Frankfurt... ...	1023.4	75	NE	1	b	1027.0	+2	61	-2	NNE	2	–	b	*	–	77	55				
	Munich	1023.3	64	E	1	b	1024.8	0	61	+4	W	1	–	b	*	–	70	52				
	Vienna														*							
	Cuxhaven ...	1026.1	54	SE	1	o	1024.7	0	57	+3	W	3	W	b	*	–	57	54				
	The Helder ...	1027.1	57	SSW	1	b	1026.4	0	55	0	W	1	–	o	*	–	61	52				
	Brussels	*	*	*	*	*	1027.4	+1	63	+11	WSW	1	–	b	*	–	75	52				
FRANCE.	C. Gris Nez ...	1025.9	61	E	3	bc	1027.1	0	51	-2	SSW	4	*	f	2	–	63	50				
	La Hève	1027.9	57	NE	2	m	1026.7	*	53	-2	–	0	*	m	0	–	68	50				
	Ushant							*					*									
	Brest (St. Mathieu)	1029.0	59	NNE	3	b	1029.5	+1	54	-3	N	2	*	b	1	–	64	52				
	Rochefort (Ile d'Aix)	1025.1	66	NW	3	b	1025.9	+1	71	+10	NNE	3	*	b	*	–	72	57				
	Biarritz	1026.1	60	WSW	4	o	1025.9	0	61	+1	W	2	*	b	2	–	63	57				
	Paris	1025.5	72	NNE	2	b	1027.3	+1	61	+4	NNE	1	–	b	*	–	79	50				
	Belfort	1023.0	70	ENE	5	m	1025.9	*	61	+4	ENE	2	*	m	*	–	75	52				
	Lyons	1022.6	?74	NW	1	bc	1024.8	*	62	+3	NNW	1	*	b	*	–	78	56				
	Nice	1019.4	69	–	0	b	1020.7	+1	72	+8	–	0	*	b	1	–	75	59				
	Perpignan ..	1021.6	72	NW	4	b	1022.6	+1	70	+6	W	4	–	b	*	–	77	64				
	Sanguinaire ...	*					*	*					*									
SOUTHERN EUROPE.	Corunna (7 a.m.)	1027.0	59	NNW	4	b	1025.3	-1	59	-2	SW	1	–	b	2	–	61	52				
	Madrid (8 a.m.) ...	1022.4	72	NE	1	bc	1025.6	+2	63	+2	NE	2	–	b	*	–	72	54				
	Lisbon (9 a.m.)	1021.6	?77	N	S	b	1021.7	0	66	0	NNE	4	–	b	2	–	82	63				
	Gibraltar	1023.7	64	E	5	c	1023.0	*	64	+2	E	5	–	bc	2	–	83	61				
	Rome														*							
	Azores (Horta, 8 a.m.)	1031.8	*	NE	4	c	1029.9	0	59	0	NNE	3	–	m	2	–	68	57				
	Madeira (Funchal)																					

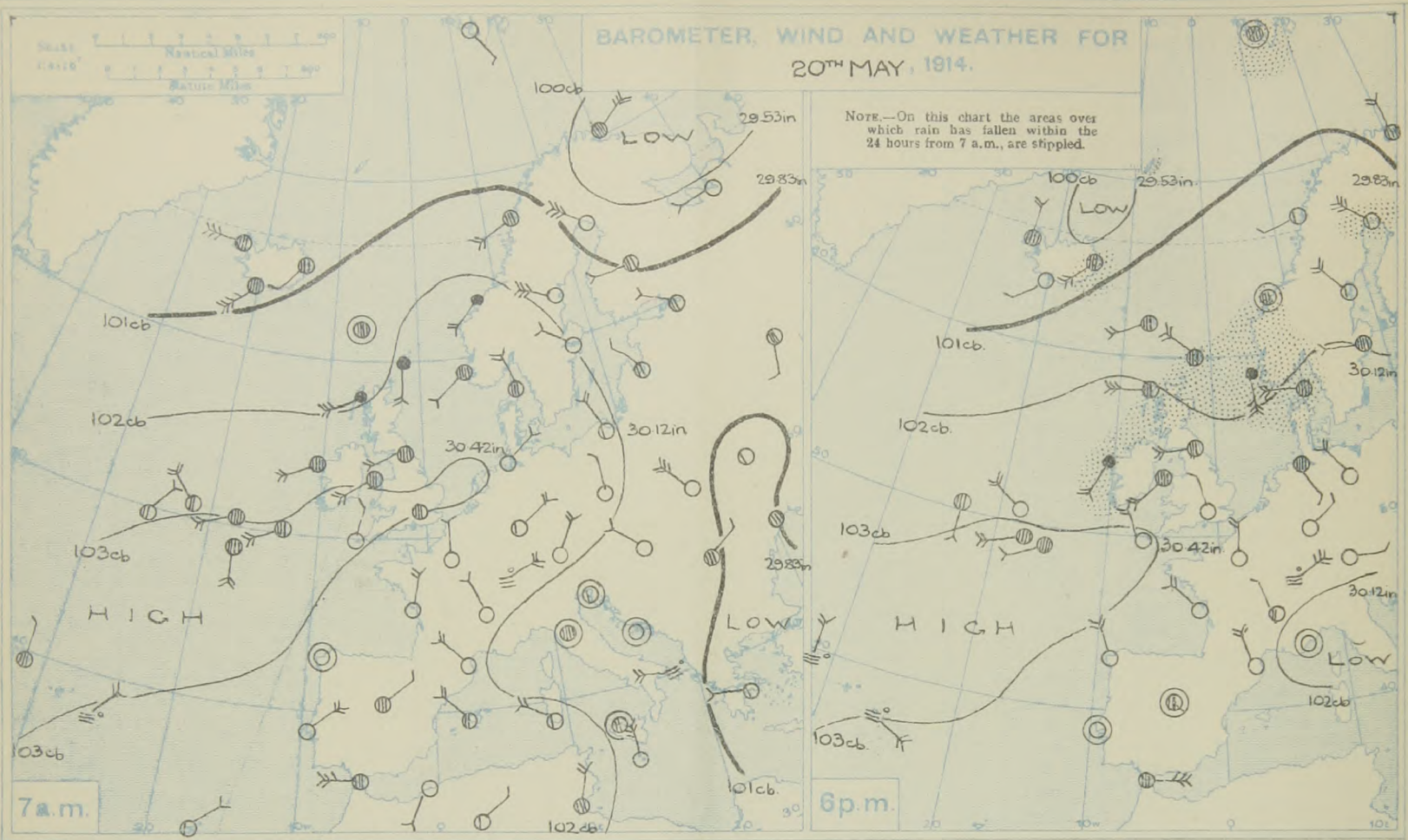
* Information for these columns not usually received. † Received too late for insertion in Charts. ‡ The barometric change is expressed in half-millibars.

Equivalents of Millibars in Inches.

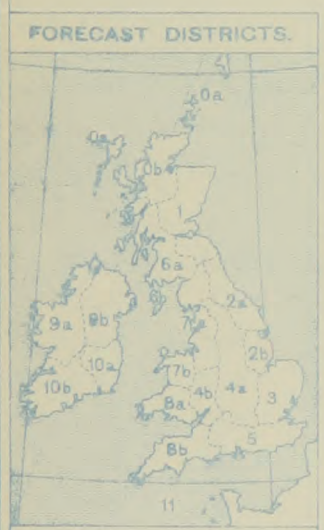
Millibars.	Inches of Mercury at 32° F. in Lat. 45.
940	27·76
950	28·05
960	28·35
970	28·65
980	28·94
990	29·24
1000	29·53
1010	29·83
1020	30·12
1030	30·42
1040	30·71
1050	31·01

1,000 millibars are equivalent to 14½ lbs. per square inch (in Lat. 45).

100 millibars to one pound and a half per square inch.



FORECAST FOR THE 24 HOURS NOON THURSDAY TO NOON FRIDAY.



STORM WARNINGS.

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

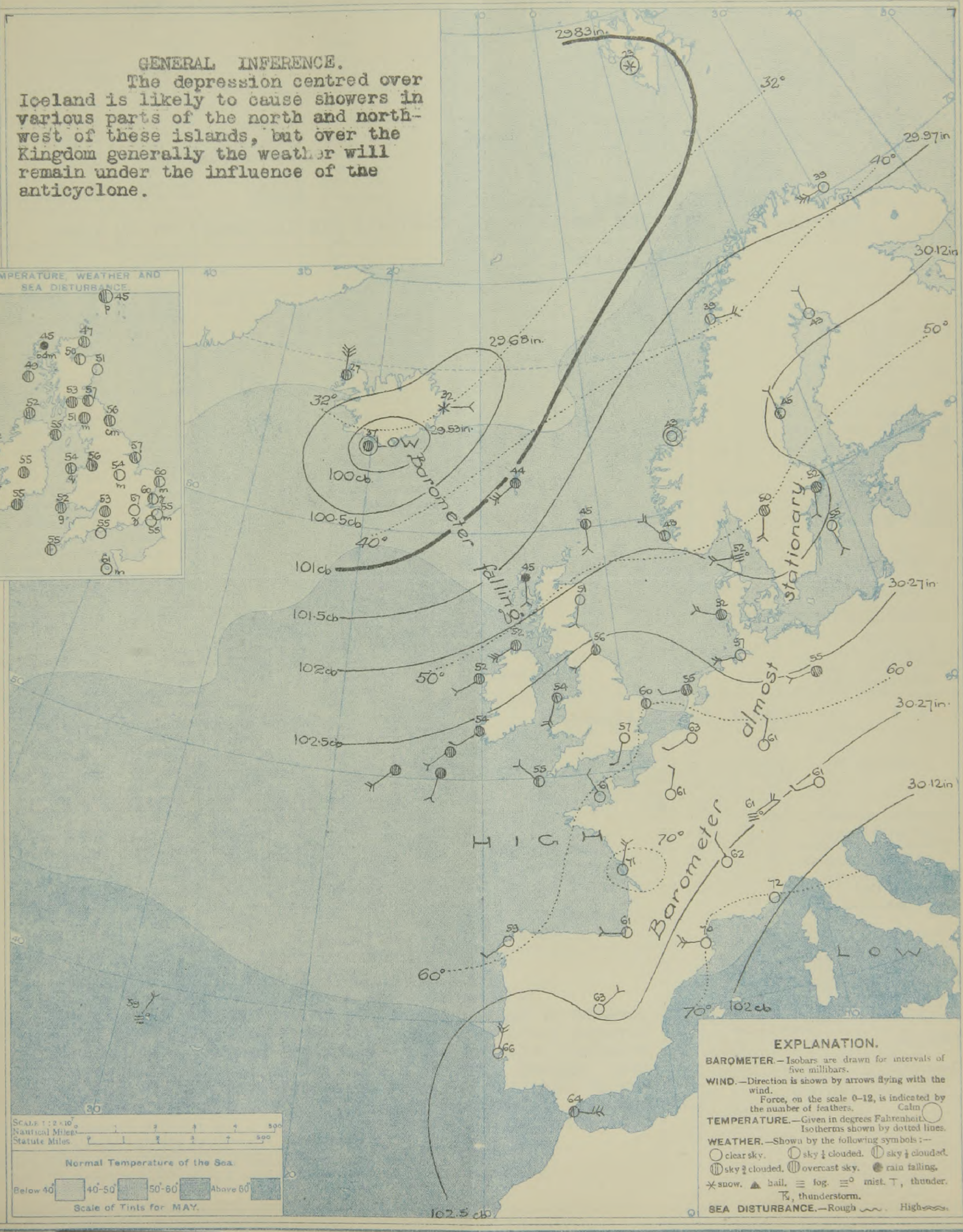
Signals hoisted yesterday.	Signals hoisted this morning.
South Cone.	South Cone.
North Cone.	North Cone.

No Warnings Issued.

0 a, b; 1	Wind between South and South-West, light or moderate: rather variable sky, some showers locally: moderate temperature.
2 a, b; 3; 4 a, b; 5	Wind rather variable, but mainly Westerly, light: fair or bright generally: temperature above the normal, but becoming less high than of late.
6 a, b; 7 a, b	Same as Nos. 0 and 1.
8 a, b	Same as Nos. 3 to 5.
9 a, b	Same as Nos. 0 and 1.
10 a, b	South-Westerly winds, light or moderate: mostly fair, some showers in west: moderately warm.
Western Channel and Bay. 11	Wind light, between West and North: sea smooth: some fog or haze, otherwise fair.

FURTHER OUTLOOK.

SYNOPTIC CHART FOR 7 a.m., THURSDAY, 21ST MAY, 1914.



OBSERVATIONS from the ATLANTIC OCEAN received by RADIOTELEGRAPHY.

Date and Hour.	Position. Lat. N.	Position. Long. W.	Name of Ship.	O = Outward. H = Homeward	Barometer. Reading.	Barometer. Change in 3 hours.	Wind. Direc.	Wind. Force.	Weather.
	°	°			mb.	‡		(0-12).	
21st 7 a.m.	50	16	Cymric	O	1026·4	-3	SW	4-5	o
" "	50	12	Adriatic	H	1026·7	-1	SSW	1-3	o
" "	51	11	Empress of Britain	H	1027·4	o	SW	1-3	o
20th 6 p.m.	50	22	Victorian	H	1025·4	-3	S	1-3	c
" "	49	18	Adriatic	H	1030·4	-1	WSW	1-3	o
" "	51	17	Empress of Britain	H	1029·8	o	WNW	4-5	b
" "	49	15	Sicilian	H	1032·5	+1	WSW	1-3	o

Date and Hour.	Position. Lat. N.	Position. Long. W.	Name of Ship	O = Outward. H = Homeward	Barometer. Reading.	Barometer. Change in 3 hours.	Wind. Direc	Wind. Force.	Weather
	°	°			mb.	‡		(0-12).	
20th 7 a.m.	49	25	Victorian	H	1025·7	0	NE	1-3	bc
" "	49	23	Adriatic	H	1031·1	-1	NW	1-3	o
" "	50	21	Empress of Britain	H	1029·4	+1	NW	4-5	bc
" "	50	18	Caronia	H	1029·8	-1	WSW	4-5	o
" "	49	18	Sicilian	H	1032·8	+2	S	4-5	o
" "	50	13	Caronia	H	1029·4	-1	WSW	4-5	c

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

	Stations.	Rainfall.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 6 p.m.
		mm.§	°F.	°F.			Hr.
Scotland.	Oban	13	56	45	r	o.bc	2·7
	St. Andrews	1	63	45	*	*	5·6
	Stonehaven	2	66	46	og	bc.b	3·6
	Cornoustie	1	63	46	*	*	5·4
Eng. N.E.	Harrogate	–	65	49	o.c	c.bc	4·0
	Scarborough	*	69	49	c.b	o.c	4·8
	Skegness	–	70	52	g.c.bc	c.bc	4·3
Eng. N.W.	Douglas (I. of M.)	–	62	47	cq	cq	2·9
	Morecambe	–	65	52	o	bc.o	0·3
	Blackpool	–	61	53	o	c	2·2
	Southport	–	64	53	o	o.bc.o	2·6
Midlands.	Buxton	–	68	49	bc	bc	3·4
	Leamington Spa	–	71	51	c.b.bc	bc.b	7·7
	Malvern	–	71	55	c.bc	bc.b	11·0
Wales.	Rhyl	–	66	54			4·7
	Colwyn Bay	–	68	55	bc	bc	5·0
	Llandudno	–	67	54	b	b	4·4
	Aberystwyth	–	63	55	o.c	c.b	7·0
	Tenby	–	68	49	b	b	12·0
	Bethwsy-Coed	–	67	54	bc	bc	4·5
England, E.	Lowestoft	–	59	46	bc	bc	10·0
	Felixstowe	–	59	48	om.bc	b	7·4
	Walton-on-Naze	–	58	50	om.cm	bz.bm	6·1
	Southend-on-Sea	–	63	49	z.o.b	b	7·5

	Stations.	Rainfall.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 6 p.m.
		mm.§	°F.	°F.			Hr.
England, S.E.	Margate	–	63	49	o	b	5·5
	Ramsgate	–	65	49	m	b	7·5
	Folkestone	–	62	54	b	b	9·3
	Hythe	–	62	50	b	b	9·0
	Littlestone	*	*	*	*	*	9·4
	Hastings	–	64	50	o.bc.b	b	9·6
	Bexhill-on-Sea	–	60	51	b	b	8·0
	Eastbourne	–	68	51	bcm.b	b	10·5
	Seaford	–	63	49	b	bf	6·0
	Brighton	–	57	52	b.bc.cm	bc.b	9·5
	Worthing	–	65	50	b	b	12·7
	Littlehampton	–	*	*	*	*	12·2
	Bognor	–	64	?	b	b	13·2
	Southsea	–	70	50	b	b	13·0
	Ryde	–	71	48	b	b	12·5
	Ventnor	–	66	53	*	*	12·9
	Bournemouth	–	74	47	b	b	12·3
England, S.W.	Weymouth	–	70	52	z.b	bz	12·5
	Exmouth	–	71	53	b	b	12·5
	Teignmouth	–	66	52	b	b	12·2
	Torquay	–	68	54	b	bc.b	12·2
	Paignton						
	Falmouth	–	71	52	b	b	12·8
	Bude	–	64	43	b	b	12·6
	Ilfracombe	–	63	51	b	b	12·5
	Weston-super-Mare	–	67	51	b	b	12·0

LONDON OBSERVATIONS.

Stations.	Humidity. 3 p.m. Yesterday.	Humidity. 9 a.m. To-day.	Sunshine for Yesterday.	Temperature. In Screen. Max. (24 hours ended 6 a.m. To-day)	Temperature. In Screen. Min. (24 hours ended 6 a.m. To-day)	Temperature. Min. on Grass. (24 hours ended 6 a.m. To-day)	Rainfall. (24 hours ended 6 a.m. To-day)	Weather. Forenoon.	Weather. Afternoon.	Weather. Night.
	%	%	Hr.	°F.	°F.	°F.	mm.§			
Greenwich (Royal Obsy.)	58	60	11·1	74	48	36	–	b	b	b
City (Bunhill Row)	*	*	5·6	*	*	*	*	*	*	*
Westminster (St. James's Pk.)	52	59	5·3	76	52	45	–	bc	bc	bc
Camden Sq. (Brit. Rainfall)	48	57	8·1	77	50	45	–	bz.b	b	*
Hampstead (Reservoir)	*	60	9·6	74	55	44	–	bm	b	bcm
Richmond Park	*	*	11·1							
Kew. (See front page.)										
S. Kensington (Roof of M.O.)	46	76	5·1							

Vertical Component of Solar Radiation per square centimetre during Yesterday.

Total.	Average Rate.	Max. Rate.
1263 Joules	22·3 Milliwatts.	57·5 Milliwatts.

Additional Observations for Yesterday.

Stations.	Rainfall.	Temperature. In Screen. Max.	Temperature. In Screen. Min.	Temperature. Night Min. on Grass.	Weather. Night.	Weather. Forenoon.	Weather. Afternoon.	Sunshine for Yesterday.
	mm.§	°F.	°F.	°F.				Hr.
Dublin to 4 p.m.	Trace	65	54	54	o	c.b	bc	*
Plymouth to 9 p.m.	–	70	53	49	bv	b	bc	13·6
Darwen "	–	64	49	47	bcw	bc	bc.ou	2·2
Manchester "	–	66	52	*	c.o	o.bc	bc.c	2·5
Birmingham "	–	69	51	34	c	c.b	b	6·8
Oxford to 8 p.m.	*	75	52	45	cz.bc.b	bc.cz	cz.bc	*
S. Kensington (Museum Grounds to 6 p.m.)	–	77	51	41	bz	bz	bz	*

Table showing the Greenwich Times of Sunrise, Noon and Sunset for Stations in the United Kingdom To-day and To-morrow.

21st & 22nd May 1914.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth	3.50 3.49	11.49 11.49	7.48 7.49
Greenwich	4.2 4.1	11.56 11.56	7.50 7.51
Wick	3.36 3.34	12.8 12.8	8.41 8.43
Valencia	4.41 4.40	12.37 12.37	8.32 8.34

NOTES ON YESTERDAY'S WEATHER.

Temperature rose to above 70 deg. over a large portion of England, touching 76 deg. at Kew Observatory. At several stations on the east coast of England the thermometer remained below 60 deg. The night minima were rather high over England. The rain measured in Scotland was slight. Bright sunshine was more prevalent over England and Wales than in Ireland and Scotland. Over a large area the record exceeded 12 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; 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. Single copies 1d. at M.O. and at the bookstalls at certain Railway Termini in London.

Printed at the Meteorological Office, South Kensington, London, S.W. By Wyman & Sons Ltd., Fetter Lane, London, E.C., and Reading.

§ 1 m.m. is approximately 4 hundredths of an inch. ‡ The barometric change is expressed in half-millibars.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

Friday, 22nd May, 1914.

	STATIONS.	YESTERDAY EVENING. Barom. Millibars at M.S.L.	Temp.	Wind. Direc.	Wind. Force 0-12.	Weather.	THIS MORNING 7 A.M., G.M.T. Barometer. Millibars at M.S.L.	Barometer. Change in 3 hours.	Temp. Dry Bulb.	Temp. Change in 24 hours	Wind. Direc.	Wind. Force 0-12.	Direc. of Upper Cloud.	Weather.	Sea 0-9.	PAST 24 HOURS. Rainfall. Millimetres.	Temp. Max.	Temp. Min.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Sunshine for Yesterday.
			°F.					‡	°F.	°F.							°F.	°F.				Hours.
BRITISH ISLANDS.	Lerwick ...	1014·0	50	SSW	5	bc	1016·0	+3	47	+2	SSW	3	SW	bc	3	1	51	43	omp	cpq.bc	cq.bc	*
	Stornoway ...	1014·5	50	SW	7	cq	1016·9	+2	48	+3	W	3	W	bc	3	1	55	43	od.cq	c.odpq	bc	5·6
	Castlebay (Barra Isd.)	1016·9	51	SW	4	o	1017·8	0	49	0	WSW	3	SW	c	3	1	53	47	c.o bc	bc.o	op.o.c	6·3
	Glasgow ...	1020·1	55	WSW	3	b	1020·3	0	50	-3	SW	3	–	o	*	–	57	48	o.c bc.c.	bc.c.b.	bc.o	8·4
	Eskdalemuir ...	1020·7	56	SSW	5	bc	1021·1	+1	51	0	SW	3	SW	c	*	1	62	48	omc.	c.bc.c	o.c	8·1
	Malin Head ...	1019·7	53	W	4	bc	1020·4	0	48	-4	WSW	2	SW	cm	3	3	55	47	bcq	bcm	cmr	*
	Blacksod Point	1021·5	54	WSW	3	bcz	1021·2	0	49	-3	W	3	W	omp	2	1	58	47	c.o bcz	c.bz	bc.cmp	*
	Valencia ...	1023·3	56	SW	2	om	1022·0	-1	51	-3	–	0	SW	c	3	0·3	58	45	om	om	bc	0·2
	Roche's Point	1025·4	58	SW	3	c	1022·7	*	53	-2	–	0	–	r	2	0·3	59	53	og	g.o.c	of.d	*
	Birr Castle ...	1022·3	58	SSW	2	o	1021·7	*	53	-2	SW	2	SW	c	*	Trace	63	46	c	c.op	c	1·6
	Donaghadee ...	1021·0	64	W	3	bc	1021·7	0	51	-4	W	3	W	bc	3	–	66	44	bc	bc	cgm.bc	*
	Liverpool (Bidston)	1023·5	64	W	1	b	1022·5	*	53	-3	SE	1	S	c	1	–	66	50	bc	b	bm	9·7
	Holyhead ...	1024·7	56	SSW	5	bcq	1023·3	0	52	-2	SW	2	–	of	1	0·3	62	51	bc.b bc	bc.c bc	b.bcfe	10·2
	Pembroke (St. Ann's)	1025·9	53	WSW	3	c	1023·8	-2	53	+1	SSW	2	–	cg	1	–	57	52	cg.cm	cm	cm	4·2
	Newquay ...	1025·9	57	W	2	o	1023·0	-1	57	+1	–	0	–	b	1	–	59	?50	c.o	o.c	c.b	3·5
	Scilly (St. Mary's)	1027·1	56	–	0	om	1023·3	-2	55	0	NW	1	–	bm	2	–	59	47	om	omr	om.bcm	1·3
	Jersey (St. Aubin)	1026·4	66	NNW	3	b	1023·2	*	62	+1	E	2	–	bm	1	–	71	50	bm	bm.b.	bm	13·7
	Portland Bill ...	1026·0	58	WSW	2	b	1024·3	-1	55	0	ENE	1	–	b	1	–	61	49	b	b	b	*
	Dungeness ...	1025·4	61	SW	3	b	1025·0	0	56	+1	–	0	–	bz	0	–	64	52	bz	bz	bz	*
	Dover ...	1022·0	66	SW	3	b	1023·7	*	61	+6	S	1	–	bz	1	–	70	47	m.b	b	b	12·4
	Wick ...	1015·5	54	SSW	3	bc	1017·6	+1	49	+2	WSW	2	SW	bc	3	–	58	43	bc	bcq	o.bc	*
	Nairn ...	1016·6	54	W	4	bcq	1017·9	*	49	-1	W	1	–	cu	1	1	59	44	bcq	bcq	cp	5·3
	Aberdeen ...	1017·6	62	SW	4	b	1018·8	+1	55	+4	WSW	3	SW	bc	1	–	66	49	bc.b	b	b.bc	12·8
	Leith ...	1019·5	60	WSW	4	c	1020·2	+1	53	-4	SW	3	SW	c	*	–	62	49	bc	bc.c	b.bc	*
	North Shields ...	1023·8	63	WNW	4	cmr	1021·6	0	57	+4	W	3	–	og	1	–	66	52	bcm	bcm	bcm	9·2
	Spurn Head ...	1023·0	63	NW	1	bc	1023·0	0	55	-2	S	1	–	om	3	–	66	51	bcm	bcm	bcm	4·8
	Yarmouth ...	1023·0	65	N	1	bm	1023·8	0	59	-1	E	1	–	bm	0	–	69	54	bcm	bm	bm	12·6
	Clacton-on-Sea	1023·0	74	W	2	bz	1023·7	0	61	+1	WSW	1	–	bz	0	–	74	52	bc.bz	bz	b.bc.bz	14·1
	Nottingham ...	1023·7	67	W	4	b	1023·1	*	56	+2	WSW	1	SW	bm	*	–	71	48	bm	b	b	11·4
	Bath ...	1025·4	63	W	3	b	1024·4	*	55	+2	W	1	–	b	*	–	66	42	m.o bc.b	bc.b	cm	8·3
	London (Kew Obsy.)	1023·9	72	W	2	b	1024·4	0	56	-1	–	0	–	bz	*	–	75	51	bz.b	b	b.bz	13·8
ICELAND, FAEROE, &c.	Spitzbergen ...	1010·7	25	–	0	c	1005·7	-3	29	+6	S	3	–	s	*	*	29	10				
	Isafjord ...	1010·9	27	N	10	s	1017·5	+4	26	-1	N	8	–	c	*	*	*	*				
	Reykjavik ...	1005·2	32	NNE	10	o	1013·0	+4	27	-6	NNE	6	–	bc	*	*	*	*				
	Vestmanna ...	998·0	32	N	9	c	1009·5	+4	27	-10	N	4	–	b	1	*	*	*				
	Seydisfjord ...	997·9	31	E	4	s	1006·1	+3	28	-4	NE	3	–	s	*	*	*	*				
	Thorshavn ...	1002·9	47	SW	7	o	1007·5	+2	43	-1	WSW	5	–	o	*	*	*	*				
NORTHERN EUROPE.	Vardö ...	1018·0	36	W	5	c	1021·2	0	41	+2	SE	5	–	b	3	0	41	34				
	Bodö ...	1016·4	46	ESE	1	b	1019·4	-1	46	+7	ESE	1	–	bc	1	–	46	37				
	Christiansund	1012·3	45	W	1	o	1013·1	0	48	+5	SW	2	–	o	3	1	48	43				
	Skudesnaes ..	1019·7	46	W	3	o	1019·0	0	48	0	S	3	–	o	2	1	52	46				
	Færder (X'tania Fjord)	1016·4	52	SSE	4	b	1019·7	0	52	+2	WSW	5	–	m	2	–	52	50				
	The Scaw (Skagen)	1024·2	52	WSW	7	b	1022·3	+1	54	+2	WSW	4	–	o	*	–	55	46				
	Blaavands Huk	1024·7	54	W	1	b	1025·1	0	57	+5	SW	1	–	m	2	–	57	50				
	Haparanda ...	1021·3	45	W	2	b	1019·9	0	41	-2	S	2	–	bc	*	–	48	34				
	Hernösand ...	1020·7	43	–	0	bc	1017·1	0	43	-2	–	0	–	r	*	2	48	41				
	Stockholm ...	1019·4	52	SSE	2	o	1019·1	0	52	0	SW	2	–	o	*	1	61	46				
	Wisby ...	1021·5	54	SW	2	b	1023·2	+2	54	-1	WSW	2	–	b	*	Trace	57	46				
	Karlstad ...	1018·4	52	SSW	2	o	1020·0	+1	52	+2	–	0	–	b	*	–	55	43				
	St. Petersburg	1019·9	50	ENE	1	bc	1023·8	0	50	+2	NNE	1	–	b	*	–	55	41				
CENTRAL EUROPE.	Berlin ...	1023·7	66	NW	3	c	1027·5	+2	59	+4	NE	2	SW	c	*	–	72	54				
	Frankfurt ...	1024·4	73	NE	1	b	1027·5	+1	63	+2	NE	1	–	b	*	–	73	52				
	Munich ...	1022·9	68	NW	3	b	1027·1	+1	59	-2	NE	2	–	b	*	–	73	50				
	Vienna ...	1023·4	63	N	2	b	1027·4	+2	57	-2	–	0	–	bc	*	–	72	52				
	Cuxhaven ...	1026·0	55	N	1	o	1025·9	0	59	+2	S	2	–	b	0	–	61	52				
	The Helder ...	1024·4	64	ENE	1	b	1024·3	0	59	+4	WSW	1	–	b	0	–	66	48				
	Brussels ...	*	*	*	*	*	1024·6	0	68	+5	SE	1	–	b	*	–	77	54				
FRANCE.	C. Gris Nez ...	1024·6	62	SSW	4	o	1024·3	0	58	+7	SSW	3	*	m	2	–	64	51				
	La Hève ...	1025·6	64	NE	3	b	1024·6	*	60	+7	NE	1	*	m	1	–	68	50				
	Ushant ...	1025·9	57	NNW	2	bc	1021·5	*	55		ENE	2	*	b	2	–	64	50				
	Brest (St. Mathieu)	1026·3	60	NNE	2	b	1022·3	-2	54	0	E	2	*	b	1	–	77	52				
	Rochefort (Ile d'Aix)	1023·5	67	NW	2	b	1021·2	0	64	-7	ENE	2	*	b	*	–	77	59				
	Biarritz ...	1023·4	64	W	1	b	1020·4	0	66	+5	–	0	*	b	1	–	68	57				
	Paris ...	1024·4	72	ENE	1	b	1024·6	0	63	+2	ENE	1	–	b	*	–	79	52				
	Belfort ...	1023·3	73	ENE	4	m	1025·9	*	59	-2	ENE	6	*	m	*	–	77	53				
	Lyons ...	1022·1	76	NNE	1	b	1024·6	*	66	+4	ESE	1	*	b	*	–	80	58				
	Nice ...	1020·4	73	–	0	b	1023·1	+2	74	+2	–	0	*	b	0	–	81	63				
	Perpignan ..	1021·5	79	–	0	b	1023·0	0	70	0	–	0	–	b	*	–	82	57				
	Sanguinaire ...	*	66	N	3	m	*	*	67		E	1	*	m	2	–	68	59				
SOUTHERN EUROPE.	Corunna (7 a.m.)	1021·2	70	NW	1	b	1018·4	0	68	+9	–	0	–	o	2	?	73	57				
	Madrid (8 a.m.) ...	1021·1	73	SSE	1	bc	1020·7	+1	66	+3	ESE	3		b	*	–	79	55				
	Lisbon (9 a.m.)	1019·0	75	W	4	b	1018·9	0	68	+2	–	0	–	o	2	–	81	64				
	Gibraltar ...	1022·0	65	E	5	bc	1021·3	*	66	+2	E	5	–	c	2	–	71	64				
	Rome ...	1018·3	72	NE	2	o	1020·8		64	0	N	1		bc	*	–	80	63				
	Azores (Horta, 8 a.m.)	1028·4	*	NNE	4	m	1027·9	0	59	0	NNE	2	–	m	2	–	66	57				
	Madeira (Funchal)	1021·6	64	N	2	bc	1020·6	+3	64	-1	N	2	–	bc	2	–	68	59				

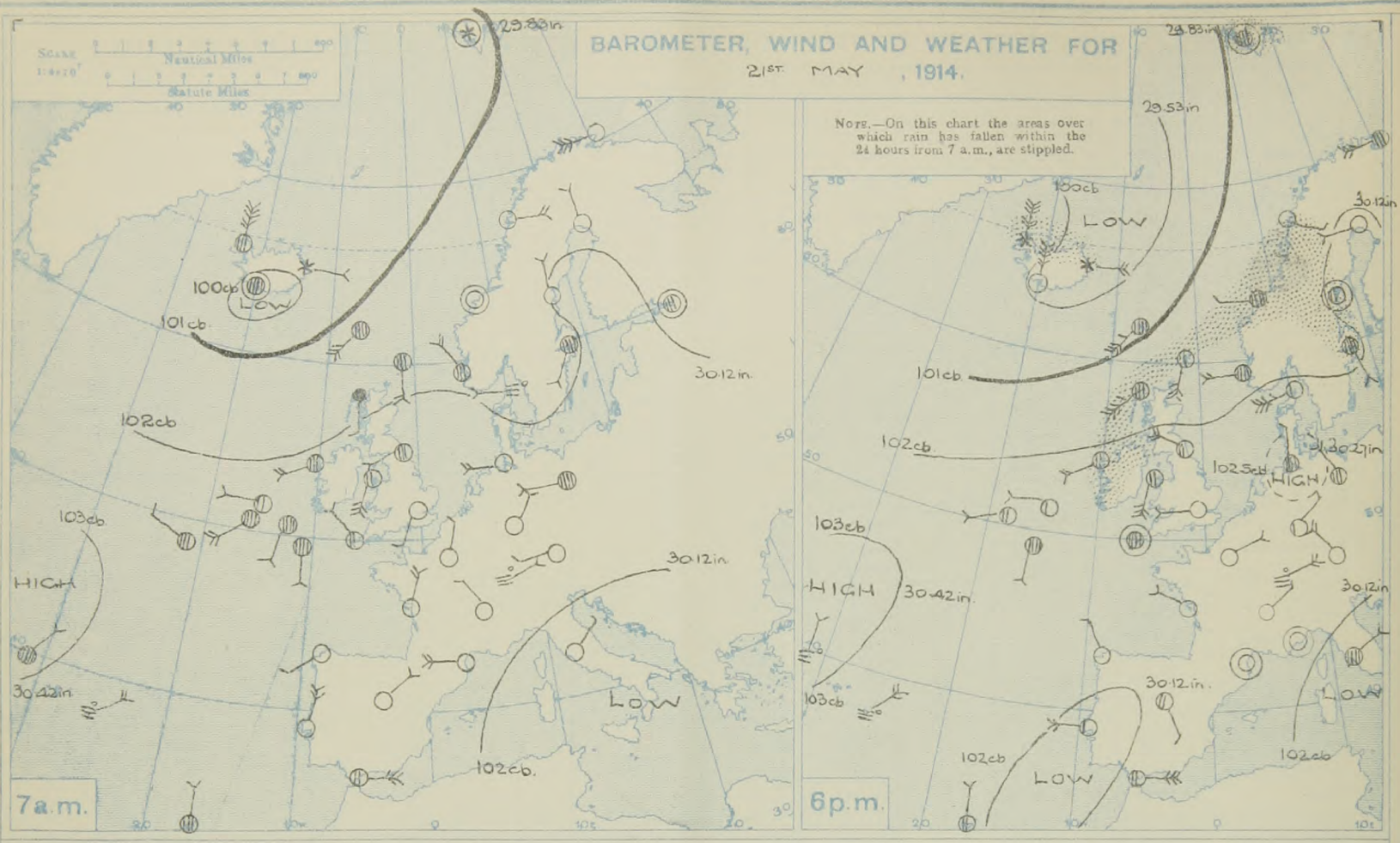
* Information for these columns not usually received. † Received too late for insertion in Charts. ‡ The barometric change is expressed in half-millibars.

Equivalents of Millibars in Inches.

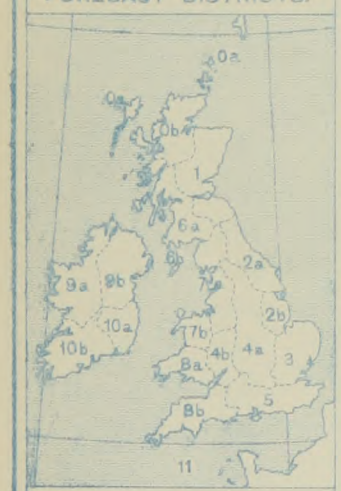
Millibars.	Inches of Mercury at 32° F. in Lat. 45.
940	27·76
950	28·05
960	28·35
970	28·65
980	28·94
990	29·24
1000	29·53
1010	29·83
1020	30·12
1030	30·42
1040	30·71
1050	31·01

1,000 millibars are equivalent to 14½ lbs. per square inch (in Lat. 45).

100 millibars to one pound and a half per square inch.



FORECASTS FOR THE 24 HOURS NOON FRIDAY TO NOON SATURDAY.



STORM WARNINGS.

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

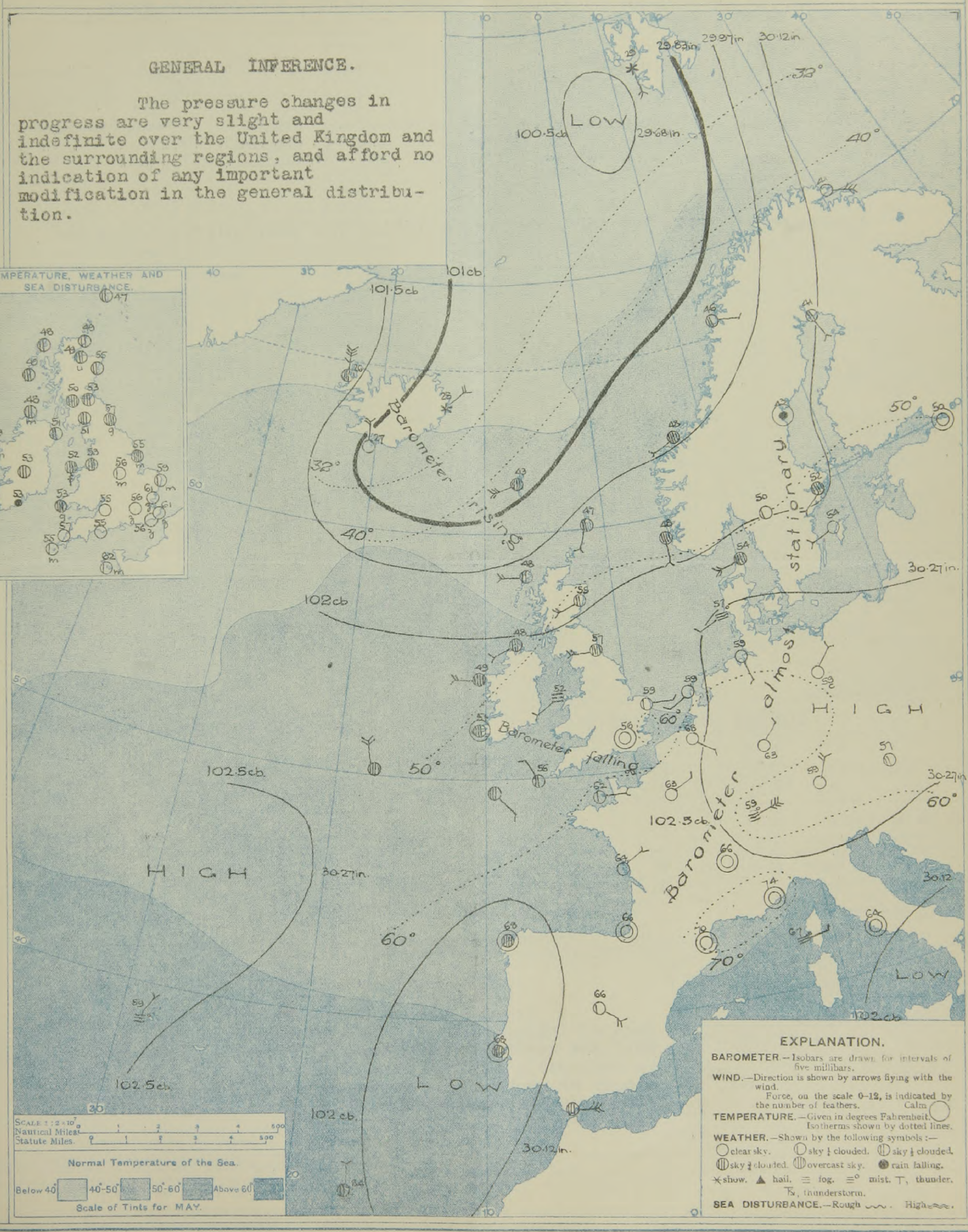
Signals hoisted yesterday.	Signals hoisted this morning.
South Cone.	South Cone.
North Cone.	North Cone.

No Warnings Issued.

0 a, b; 1; 2 a, b	South-Westerly and Westerly winds, light or moderate; mostly fair, but showers locally; moderate temperature.
3; 4 a, b; 5	Wind light, direction variable; fair or bright generally, haze locally at times; temperature continuing above the normal.
6 a, b	Same as Nos. 0 and 1.
7 a, b	South-Westerly or variable winds, light; mostly fair; moderately warm.
8 a, b	Same as Nos. 3 to 5.
9 a, b	Same as Nos. 0 and 1.
10 a, b	Light variable winds; some showers locally, but mostly fair; moderate warmth.
Western Channel and Bay. 11	Easterly or variable winds, light; sea smooth; some haze, fine generally.

FURTHER OUTLOOK.

SYNOPTIC CHART FOR 7 a.m., FRIDAY, 22ND MAY, 1914.



DAILY WEATHER REPORT. Friday, 22nd May, 1914.

OBSERVATIONS from the ATLANTIC OCEAN received by RADIOTELEGRAPHY.

Date and Hour.	Position. Lat. N.	Position. Long. W.	Name of Ship.	O = Outward. H = Homeward.	Barometer. Reading.	Barometer. Change in 3 hours.	Wind. Direc.	Wind. Force.	Weather.
	°	°			mb.	‡		(0-12).	
22nd 7am	50	18	Olympic	O	1023·3	+1	NNW	4-5	o
" "	49	9	St. Paul	H	1021·6	-5	SE	1-3	c
21st 6pm	50	18	Cymric	O	1025·4	-4	WSW	1-3	bc
" "	48	16	St. Paul	H	1024·7	-3	SSW	1-3	o
" "	51	14	Royal George	O	1023·7	-4	W	1-3	b
21st 7am	48	20	St. Paul	H	1027·4	+4	WNW	1-3	c
" "	51	14	Victorian	H	1022·7	-8	W	1-3	bc
" "	49	10	Sicilian	H	1029·4	0	S	1-3	bc

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

	Stations.	Rainfall.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 6 p.m.
		mm.§	°F.	°F.			Hr.
Scotland.	Oban	–	56	47	bc.b	b	6·5
	St. Andrews	–	63	43	*	*	9·6
	Stonehaven	–	64	37	cz	bc.b	8·6
	Carnoustie	1	63	42	*	*	9·5
Eng., N.E.	Harrogate	–	65	50	c.bc.b	b	8·0
	Scarborough	*	58	50	bc	bc	4·8
	Skegness	–	68	50	b.bc	b	9·9
Eng., N.W.	Douglas (I. of M.)	–	61	51	bq	bq	9·5
	Morecambe	2	62	53	d.o	bc	4·3
	Blackpool						
	Southport	–	65	55	o.c.bc	bc.b	7·0
Midlands.	Buxton	–	63	50	bc	bc	3·6
	Leamington Spa	–	69	46	b	b	12·7
	Malvern	–	68	51	bc.b	b	12·0
Wales.	Rhyl	–	68	52	bc	bc	7·4
	Colwyn Bay	–	67	55	bc	b	10·0
	Llandudno	–	68	55	b	b	9·8
	Aberystwyth	–	60	50	o.c	c.bc	3·5
	Tenby	–	60	55	o	o	0·3
	Bathys-y-Coed	–	64	54	b	b	7·5
England, E.	Lowestoft	–	65	49	b.bc.b	b	11·5
	Felixstowe	–	73	48	b	b	13·2
	Walton-on-Naze	–	71	50	bm	bz	13·1
	Southend-on-Sea	–	78	53	b	b	13·5
England, S.E.	Margate	–	76	51	b	b	12·0
	Ramsgate	–	73	50	b	b	11·9
	Folkestone	–	66	49	f.bc.b	b	8·6
	Hythe	–	71	46	f.c.b	b	8·2
	Littlestone	*	*	*	*	*	11·5
	Hastings	–	69	50	b	b	13·0
	Bexhill-on-Sea	–	67	51	b	b	12·5
	Eastbourne	–	76	46	b	b	13·0
	Seaford	–	?	46	b	b	12·8
	Brighton	–	65	48	b	b	12·7
	Worthing	–	68	48	b	b	13·0
	Littlehampton	–	*	*	*	*	13·0
	Bognor	–	64	–	b	b	13·0
	Southsea	–	71	52	b	b	13·2
	Ryde	–	72	57	b	b	13·2
	Ventnor	–	65	54	*	*	13·5
	Bournemouth	–	73	49	b	b	13·3
England, S.W.	Weymouth	–	69	51	b	b	13·0
	Exmouth	–	67	50	b	b	13·0
	Teignmouth	–	66	50	b	b	12·5
	Torquay	–	68	50	b	b	13·0
	Paignton	–	65	48	b	b	12·3
	Falmouth	–	64	50	bc	b	12·8
	Bude	–	63	51	o	o.bc.c	1·3
	Ilfracombe	–	60	51	o.bc	bc	4·5
	Weston-super-Mare	–	62	49	c.bc.b	b	6·5

LONDON OBSERVATIONS.

Stations.	Humidity. 3 p.m. Yesterday.	Humidity. 9 a.m. To-day.	Sunshine for Yesterday.	Temperature. In Screen. Max.	Temperature. In Screen. Min.	Temperature. Min. on Grass.	Rainfall.	Weather. Forenoon.	Weather. Afternoon.	Weather. Night.
				24 Hours ended 9 a.m. To-day.						
	%	%	Hr.	°F.	°F.	°F.	mm.§			
Greenwich (Royal Obsy.)	37	61	13·4	81	49	35	–	b	b	b
City (Bunhill Row)	*	*	13·0	*	*	*	*	*	*	*
Westminster (St. James's Pk.)	43	70	13·8	77	52	45	–	b	b	b
Camden Sq. (Brit. Rainfall)	39	65	12·4	80	52	47	–	b	b	*
Hampstead (Reservoir)	*	71	14·0	75	51	42	–	b	b	b
Richmond Park	*	*	13·2							
Kew. (See front page.)										
S. Kensington (Roof of M.O.)	38	64	13·8							

Vertical Component of Solar Radiation per square centimetre during Yesterday.

Total.	Average Rate.	Max. Rate.
2227 Joules	39·2 Milliwatts.	77·0 Milliwatts.

Additional Observations for Yesterday.

Stations.	Rainfall.	Temperature. In Screen. Max.	Temperature. In Screen. Min.	Temperature. Night Min. on Grass.	Weather. Night	Weather. Forenoon.	Weather. Afternoon.	Sunshine for Yesterday.
	mm.§	°F.	°F.	°F.				Hr.
Dublin to 4 p.m.	–	67	54	53	c	c.b	bc	*
Plymouth to 9 p.m.	–	69	51	45	b	bc	bc	14·1
Darwen "	–	64	52	52	c.ow	ou	bc	2·4
Manchester "	–	66	55	*	o.c	c.bc	bc	2·9
Birmingham "	–	69	52	35	b	b	b	13·0
Oxford to 8 p.m.	*	71	48	42	b	b	b	*
S. Kensington (Museum Grounds to 6 p.m.)	–	78	54	44	bz	b	b	*

Table showing the Greenwich Times of Sunrise, Noon and Sunset for Stations in the United Kingdom To-day and To-morrow.

22nd & 23rd May 1914.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth	3·49 3·48	11·49 11·49	7·49 7·50
Greenwich	4·1 4·0	11·56 11·56	7·51 7·52
Wick	3·34 3·32	12·8 12·8	8·43 8·45
Valencia	4·40 4·39	12·37 12·37	8·34 8·36

NOTES ON YESTERDAY'S WEATHER.

Temperature rose to above 70° over the greater part of England, but remained below 60° at most places in the west and north of the Kingdom. Bright sunshine was abundant in most parts of Great Britain, but in Ireland the day was cloudy or overcast. According to wireless reports a light wind from the South-Westward prevailed as far west as the 18th 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. Single copies 1d. at M.O. and at the bookstalls at certain Railway Termini in London.

Printed at the Meteorological Office, South Kensington, London, S.W. By Wyman & Sons Ltd., Fetter Lane, London, E.C., and Reading.

§ 1 m.m. is approximately 4 hundredths of an inch. ‡ The barometric change is expressed in half-millibars.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

Saturday, 23rd May, 1914.

	STATIONS.	Yesterday Evening: Barom. Millibars at M.S.L.	Temp. °F.	Wind Direc.	Wind Force 0-12	Weather.	This Morning 7 A.M., G.M.T.: Barometer. Millibars at M.S.L.	Change in 3 hours. ‡	Temp. Dry Bulb. °F.	Change in 24 hours. °F.	Wind Direc.	Wind Force 0-12.	Direc. of Upper Cloud.	Weather.	Sea 0-9.	Past 24 Hours: Rainfall. Millimetres.	Temp. Max. °F.	Temp. Min. °F.	Weather. Morning.	Afternoon.	Night.	Sunshine for Yesterday. Hours.
BRITISH ISLANDS.	Lerwick ...	1017·8	48	SW	3	bc	1018·0	0	46	-1	-	0	W	bc	0	1	51	40	bcq	bcq	bcp	*
	Stornoway ...	1018·3	49	W	5	bc	1019·4	+2	45	-3	WNW	3	NW	b	3	-	54	37	bc	bc	bc	13·3
	Castlebay (Barra Isd.)	1019·1	49	WNW	3	c	1019·2	+1	44	-5	N	2	-	bc	3	-	50	41	op.bc	bc	c.bc	?
	Glasgow ...	1019·5	50	W	2	od	1016·9	0	44	-6	-	0	N	o	*	3	56	42	o.c.o	odp	od.o	1·7
	Eskdalemuir ...	1018·8	54	S	3	o	1015·3	-3	45	-6	N	4	-	r	*	4	59	44	c	c.o	o.or	6·5
	Malin Head ...	1020·3	48	NW	2	c	1019·2	+2	45	-3	N	3	N	bc	2	Trace	50	43	cm	cm	bcp	*
	Blacksod Point	1021·5	50	N	1	cv	1021·2	0	48	-1	NNW	3	N	bcz	2	Trace	52	42	omp.cv	cv	cvp	*
	Valencia ...	1019·3	52	NNW	3	om	1020·6	+3	48	-3	N	3	N	bcs	4	3	56	45	c	op	om	2·1
	Roche's Point	1019·3	53	SE	1	r	1018·3	*	46	-7	N	4	NW	c	3	5	59	45	fd.og.c	dm.gr	r.o.cv	*
	Birr Castle ...	1018·9	55	NNW	3	c	1018·9	*	45	-8	NNW	3	N	c	*	4	61	42	c	cp	or.c	6·7
	Donaghadee ...	1020·3	49	N	3	omp	1017·7	0	47	-4	N	5	N	c	4	2	58	45	c	mp	ompc	*
	Liverpool (Bidston)	1018·8	56	NW	1	bc	1012·6	*	50	-3	NW	3	NW	ogm	2	1	61	49	o.c	bc	od	5·9
	Holyhead ...	1020·4	57	E	1	bcz	1016·1	+2	48	-4	N	7	NE	odqp	7	Trace	62	46	fpd.bc	bc.cfc	bc.opd	4·8
	Pembroke (St. Ann's)	1018·1	57	WNW	3	bc	1014·4	+1	49	-4	N	6	N	cgd	5	-	59	48	cg.c	cp.c	bc.c	6·6
	Newquay ...	1016·6	56	NNW	2	c	1014·0	+2	53	-4	N	1	-	o	3	-	59	53	b	bv.c	c.or	10·7
	Scilly (St. Mary's)	1018·4	56	N	1	bcm	1015·0	+2	53	-2	NW	3	NW	omr	3	5	61	51	bm	bcm	c.tlr	10·9
	Jersey (St. Aubin)	1016·6	66	WNW	3	o	1014·0	*	58	-4	SW	3	SW	om	2	6	77	55	bm	b.otg	tlr.cp	9·9
	Portland Bill ...	1018·2	58	E	3	c	1012·6	+2	55	0	WSW	1	-	c	1	7	61	52	b	b.bc.o	bc.tlr	*
	Dungeness ...	1019·3	62	E	2	b	1011·8	-1	58	+2	S	3	S	op	2	4	68	55	b	b	b.tlr.p	*
	Dover	1018·3	67	ESE	1	b	1010·8	*	57	-4	SSW	4	-	o	4	12	74	55	b	b	o.tlr.o	13·7
	Wick	1018·7	47	-	0	o	1018·3	+1	43	-6	WSW	2	SW	c	2	3	53	36	bc	bcp.om	bcp.om	*
	Nairn	1018·5	53	W	1	c	1018·3	*	45	-4	W	1	-	c	2	-	59	40	bc	bc.c	bc	5·5
	Aberdeen ...	1018·0	54	NE	1	o	1017·4	0	46	-9	N	3	-	r	2	4	60	45	bc.op	c.o	or	2·6
	Leith	1018·5	55	W	2	o	1016·9	+1	45	-8	NNE	3	-	r	*	6	60	45	c	o	od	*
	North Shields ...	1019·6	55	-	0	ogp	1021·7	-4	48	-9	N	4	-	omr	3	-	61	48	bcm	ogp	om	0·4
	Spurn Head ...	1018·6	67	WSW	2	b	1010·8	-5	53	-2	ENE	4	-	otlr	3	15	72	52	bcm	bcm	bcmtl	9·6
	Yarmouth ...	1019·0	64	S	3	b	1011·4	-2	55	-4	E	2	-	or	1	2	66	54	b	b	b.otlr	13·4
	Clacton-on-Sea	1018·6	63	ESE	2	bz	1010·1	-2	59	-2	ENE	1	-	cm	0	?	65	56	bz	bz	bc.tlr	13·7
	Nottingham ...	1018·5	67	N	1	b	1011·4	*	54	-2	NE	2	NE	r	*	11	70	54	bm	b	bc.tlr	9·6
	Bath	1016·9	74	E	2	o	1011·8	*	58	+3	W	2	W	o	*	3	75	55	m.b	b.bcz.o	tlr.om	11·0
	London (Kew Obsy.)	1017·2	76	S	2	b	1010·5	-1	60	+4	WSW	1	SW	om	*	5	80	56	bz.b	b	b.bc.otlr	12·4
ICELAND, FAEROE, &c.	Spitzbergen ...	1003·1	32	-	0	o	999·5	-3	36	+7	SE	4	-	bc	*	*	36	27				
	Isafjord... ...	1021·5	33	-	0	b	1019·9	0	35	+9	W	4	-	c	*	*	*	*				
	Reykjavik ...	1020·2	34	NNE	5	c	1024·2	0	29	+2	—	0	-	c	*	*	*	*				
	Vestmanna ...	1015·7	36	N	4	b	1024·4	+2	28	+1	-	0	-	b	0	*	*	*				
	Seydisfjord ...	1013·2	29	W	2	c	1021·9	+3	23	-5	WNW	3	-	b	*	*	*	*				
	Thorshavn ...	1011·4	45	W	3	bc	1016·0	+2	38	-5	NE	2	-	c	*	*	*	*				
NORTHERN EUROPE.	Vardö	1014·9	41	SSE	2	c	1008·8	-5	41	0	SW	2	S	bc	2	*	41	32				
	Bodö	1011·5	46	S	2	c	1009·1	-1	41	-5	SW	6	-	c	4	6	46	37				
	Christiansund	1015·7	46	W	3	c	1016·4	+1	45	-3	SW	2	-	c	3	2	48	43				
	Skudesnaes ..	1019·3	48	S	3	m	1017·3	-1	48	0	NE	1	-	m	1	1	50	43				
	Færder (X'iania Fjord)	1020·2	55	SW	4	o	1016·3	-3	55	+3	-	0	S	m	1	-	55	50				
	The Scaw (Skagen)	1022·0	61	SSE	1	bc	1015·8	-2	55	+1	SSE	1	-	b	?	-	66	52				
	Blaavands Huk	1021·2	68	SSE	1	b	1013·6	+6	63	+6	SE	2	-	m	?	-	68	52				
	Haparanda ...	1016·0	46	S	2	o	1014·4	0	37	-4	NE	2	*	o	*	3	50	34				
	Hernösand ...	1016·4	48	-	0	bc	1016·0	+1	50	+7	-	0	NW	b	*	1	55	37				
	Stockholm ...	1019·5	59	W	4	b	1019·8	0	61	+9	SSW	2	-	o	*	-	64	50				
	Wisby	1022·4	59	SSW	2	bc	1023·4	-1	64	+10	SSW	4	W	b	*	-	66	50				
	Karlstad	1019·8	63	WSW	4	b	1017·2	-3	55	+3	?	2	-	bc	*	Trace	66	48				
	St. Petersburg														*		*					
CENTRAL EUROPE.	Berlin	1025·7	70	E	2	b	1021·6	-3	64	+5	S	3	-	b	*	-	73	54				
	Frankfurt... ...	1021·7	79	SE	2	b	1018·6	-1	64	+1	SE	1	S	c	*	-	81	59				
	Munich	1023·9	66	NE	4	b	1021·6	-1	63	+4	S	1	-	b	*	-	72	50				
	Vienna														*							
	Cuxhaven ...	1021·3	68	N	1	o	1014·7	-3	64	+5	S	4	S	bc	1	-	77	59				
	The Helder ...	1020·4	63	W	1	b	1011·4	-3	64	+5	SSE	2	SW	bc	1	1	68	59				
	Brussels	*	*	*	*	*	1015·0	-4	68	0	SSE	3	W	bc	*	-	82	59				
FRANCE.	C. Gris Nez ...	1018·1	68	ENE	2	bc	1011·3	0	62	+4	S	5	*	o	3	11	72	57				
	La Hève							*					*									
	Ushant	1017·7	57	W	2	tlr	1013·9	*	55	0	NNW	3	*	o	3	3	64	50				
	Brest (St. Mathieu)	1015·3	68	NE	1	c	1014·9	+2	56	+2	NW	3	*	m	1	-	75	54				
	Rochefort (Ile d'Aix)	1017·3	75	SSW	3	bc	1017·7	+2	60	-4	SW	4	*	r	*	2	86	61				
	Biarritz	1016·7	86	SE	2	b	1018·4	0	63	-3	SW	3	*	c	2	2	90	59				
	Paris	1018·0	75	SE	2	bc	1015·3	0	61	-2	SSE	1	-	r	*	1	84	61				
	Belfort	1021·9	67	ENE	2	m	1020·0	*	68	+9	-	0	*	m	*	-	78	59				
	Lyons							*					*		*							
	Nice	1023·3	75	-	0	b	1024·0	0	68		—	0	*	c	0	-	84	63				
	Perpignan ..	1019·9	79	S	4	bc	1018·7	0	71	+1	-	0	SW	b	*	-	86	64				
	Sanguinaire ...	*	68	NW	2	m	*	*	66	-1	S	3	*	m	2	-	73	59				
SOUTHERN EUROPE.	Corunna (7 a.m.)	1018·9	61	WNW	2	bc	1021·9	+4	59	+9	SW	1	-	o	3	?	75	57				
	Madrid (8 a.m.) ...	1018·0	77	-	0	c	1021·6	+3	64	-2	SW	3	-	b	*	-	79	55				
	Lisbon (9 a.m.)	1017·3	77	NW	4	b	1023·5	0	61	-7	NNW	4	-	b	2	-	81	59				
	Gibraltar							*														
	Rome														*							
	Azores (Horta, 8 a.m.)	1028·6	*	NE	4	m	1031·5	+2	61	+2	N	1	-	m	2	-	64	59				
	Madeira (Funchal)	1022·6	64	N	3	b	1024·8	+2	66	+2	N	3	-	b	3	-	72	61				

* Information for these columns not usually received. † Received too late for insertion in Charts. ‡ The barometric change is expressed in half millibars.

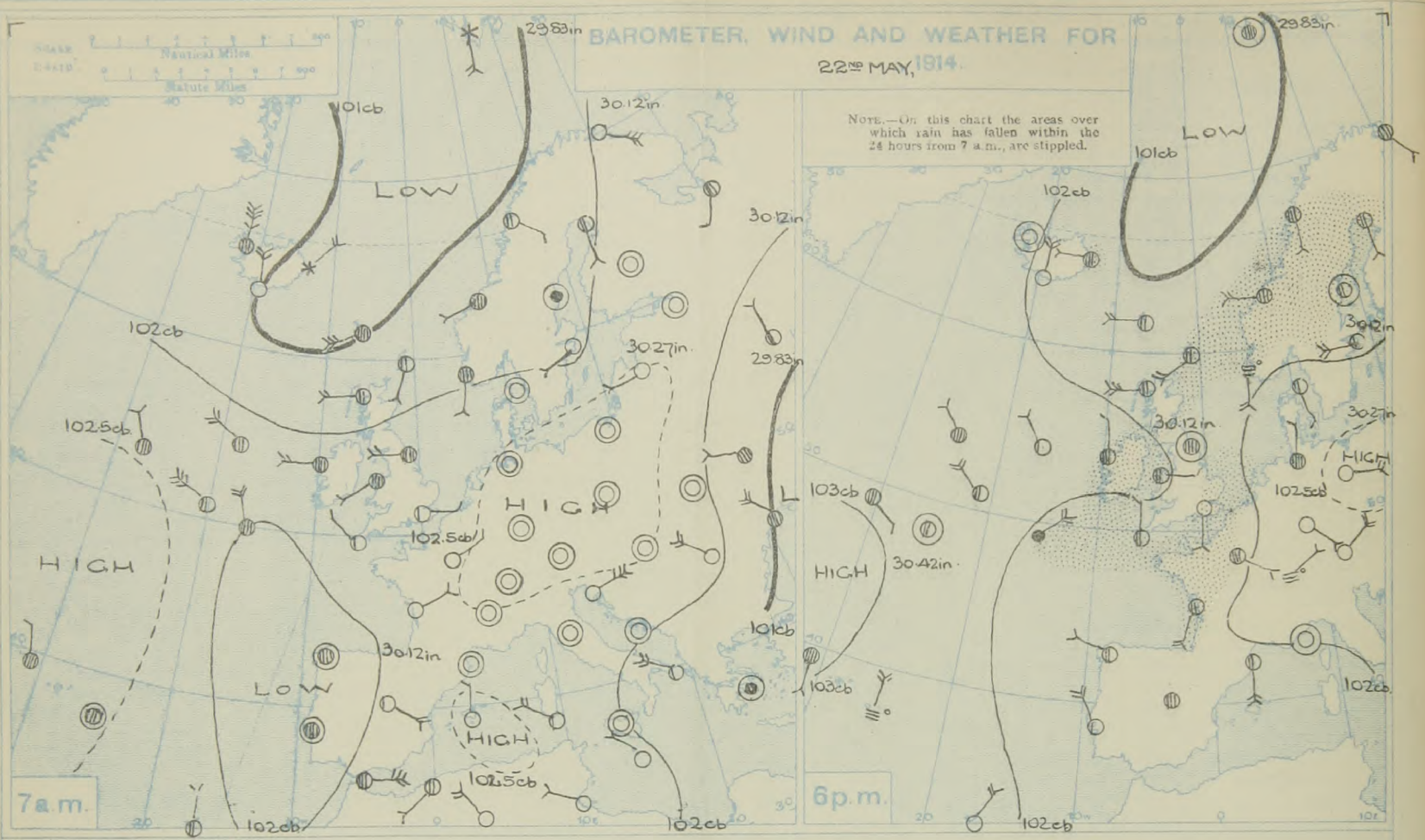
GALES.

Equivalents of Millibars in Inches.

Millibars.	Inches of Mercury at 32° F. in Lat. 45.
940	27·76
950	28·05
960	28·35
970	28·65
980	28·94
990	29·24
1000	29·53
1010	29·83
1020	30·12
1030	30·42
1040	30·71
1050	31·01

1,000 millibars are equivalent to 14½ lbs. per square inch (in Lat. 45).

100 millibars to one pound and a half per square inch.



FORECASTS FOR THE 24 HOURS NOON SATURDAY TO NOON SUNDAY.

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.

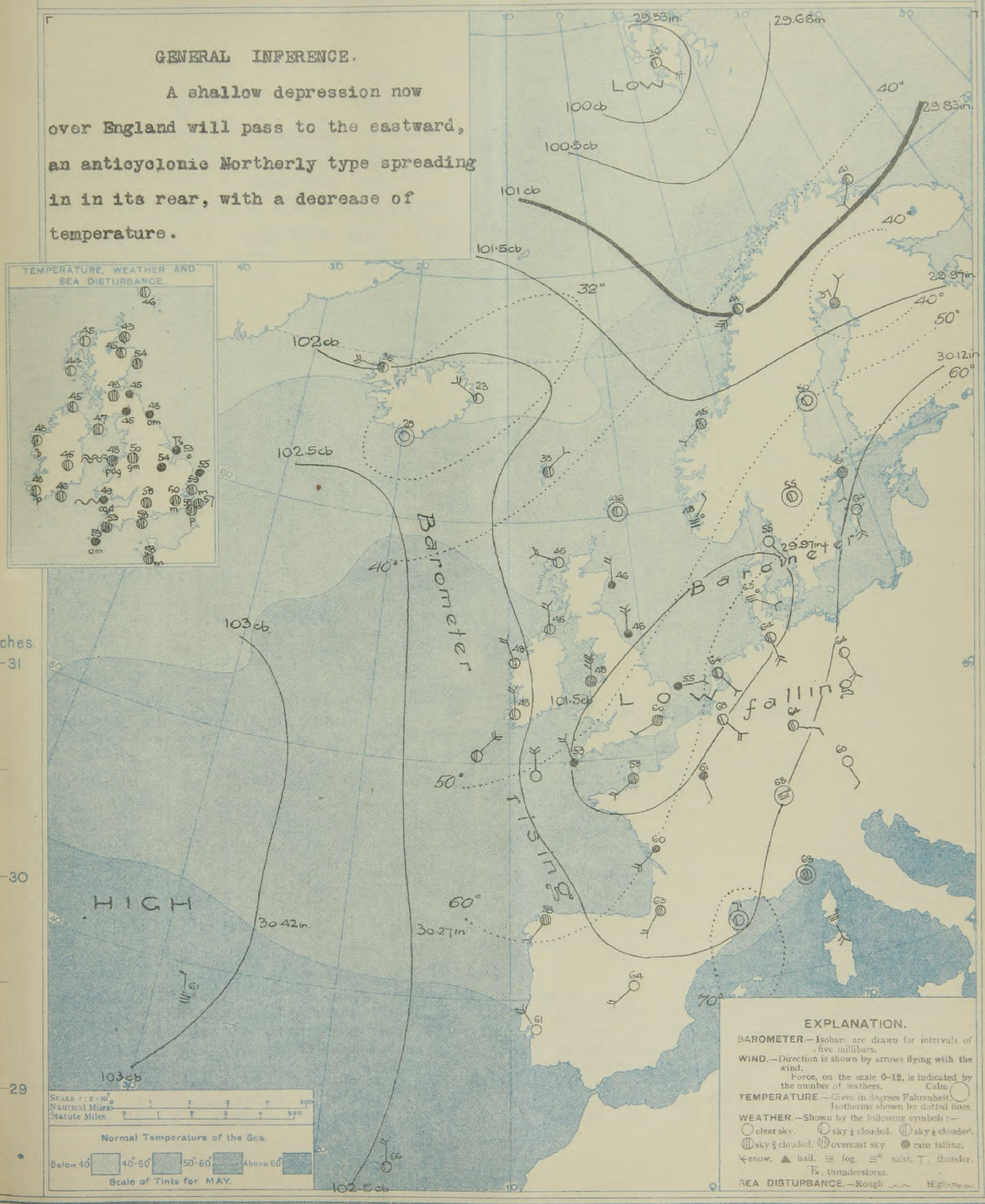
No Warnings Issued.

0 a, b; 1	Variable Westerly to Northerly and North-Easterly breezes, calm to moderate; changeable, some rain; cool.
2 a, b; 3	Easterly to Northerly breezes, fresh at times; squally, with rain and local thunder, then improving; cool.
4 a, b; 5	Light variable breezes, becoming Northerly and freshening; dull, rain squalls, then improving; cool.
6 a, b	Same as Nos. 0 and 1.
7 a, b; 8 a, b	Northerly breezes, force very variable; dull, rain squalls and mist, then improving; cool.
9 a, b; 10 a, b	Light to moderate Northerly breezes; cloudy to fine, some passing showers; cool.
Western Channel and Bay. 11	Westerly to Northerly breezes, freshening; sea slight to rather rough; unsettled, squalls, rain and mist, then improving; cool.

FURTHER OUTLOOK.

Millibars
1050
1040
1030
1020
1010
1000
990
980
970

SYNOPTIC CHART FOR 7 a.m., SATURDAY, 23RD MAY, 1914.



DAILY WEATHER REPORT. Saturday, 23rd May, 1914.

OBSERVATIONS from the ATLANTIC OCEAN received by RADIOTELEGRAPHY.

Date and Hour.	Position. Lat. N.	Position. Long. W.	Name of Ship.	O = Outward. H = Homeward.	Barometer. Reading.	Barometer. Change in 3 hours.	Wind. Direc.	Wind. Force.	Weather.
	°	°			mb.	‡		(0-12).	
23rd 7a.m	50	12	Montezuma	O	1021·7	+5	NNE	4-5	bc
" "	54	11	Numidian	H	1022·7	0	NW	4-5	b
" "	49	9	Montcalm	H	1017·3	0	N	4-5	b
22nd 6p.m	49	30	Scotian	H	1024·0	-1	ESE	1-3	c
" "	53	26	Scandinavian	H	1020·0	0	NW	1-3	0
" "	48	26	Cymric	O	1027·7	+1	-	0	bc
" "	51	25	Royal George	O	1026·7	0	WNW	1-3	bc

Date and Hour.	Position. Lat. N.	Position. Long. W.	Name of Ship	O = Outward. H = Homeward.	Barometer. Reading.	Barometer. Change in 3 hours.	Wind. Direc.	Wind. Force.	Weather.
	°	°			mb.	‡		(0-12).	
22nd 6p.m	54	15	Numidian	H	1022·0	-1	NW	4-5	b
" "	49	13	Montcalm	H	1017·9	0	NE	4-5	r
" 7am	52	29	Scandinavian	H	1019·3	-1	NNW	1-3	0
" "	51	20	Royal George	O	1024·4	+7	WNW	6-7	bc
" "	53	19	Numidian	H	1022·7	-1	WNW	4-5	c
" ?7a.m	49	16	Montcalm	H	1019·3	0	NE	4-5	r

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

	Stations.	Rainfall.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 6 p.m.
		mm.§	°F.	°F.			Hr.
Scotland.	Oban	1	56	46	p.o.c	c	0·2
	St. Andrews	–	62	43	*	*	3·7
	Stonehaven	–	63	44	cg	cg	3·0
	Carnoustie	–	64	47	*	*	4·4
Eng. N.E.	Harrogate	–	65	45	b.bc	b.bc.c	4·8
	Scarborough	*	68	53	bc	bc	8·4
	Skegness	–	74	53	b.o	b	11·7
Eng. N.W.	Douglas (I. of M.)						
	Morecambe	–	61	53	o.	bc.b	2·5
	Blackpool	–	61	51	od.o.c	c	3·5
	Southport	–	61	50	o.c	bc	4·0
Midlands.	Buxton	–	65	42	bc	b	4·3
	Leamington Spa	–	71	47	b	b	11·6
	Malvern	–	69	52	bc.b	b.bc	9·0
Wales.	Rhyl	–	59	49	bc	o	4·1
	Colwyn Bay	–	67	54	b	b	2·5
	Llandudno	–	61	52	o.bc	bc	4·1
	Aberystwyth	–	60	54	o.c	c.bc	6·7
	Tenby	–	67	53	b	b.bc	9·0
	Beddgelert	–	65	56	*	*	4·8
England, E.	Lowestoft	–	67	52	b	b	13·2
	Felixstowe	–	65	52	b	b	13·6
	Walton-on-Naze	–	64	53	bm.bz	bz	13·4
	Southend-on-Sea	–	76	53	b	b	13·5

	Stations.	Rainfall.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 6 p.m.
		mm.§	°F.	°F.			Hr.
England, S.E.	Margate	–	76	54	b	b	13·0
	Ramsgate	–	71	50	b	b	13·2
	Folkestone	–	74	52	b	b	13·1
	Hythe	–	72	42	b	b	13·2
	Littlestone	*	*	*	*	*	13·0
	Hastings	–	73	50	b	b	13·0
	Bexhill-on-Sea	–	70	51	b	b	13·5
	Eastbourne	–	66	47	b	b	13·5
	Seaford	–	72	45	b	b	11·4
	Brighton	–	68	47	b	b.bz	12·6
	Worthing	–	70	48	b	b	11·7
	Littlehampton	–	*	*	*	*	10·0
	Bognor	–	65	48	m.b	b	9·1
	Southsea	–	70	49	b	bz	11·7
	Ryde	–	67	51	b	b	11·0
	Ventnor	–	66	52	*	*	11·5
	Bournemouth	–	71	43	b	b.o	10·7
England, S.W.	Weymouth	–	67	48	b	bc.o	10·6
	Exmouth	–	65	48	b	b	12·0
	Teignmouth	–	64	48	b	b.bc.tl	11·6
	Torquay	–	66	48	b	bc.c.o	11·8
	Paignton	–	63	57	b	bc.t.c	11·6
	Falmouth	–	64	47	b	bc	11·8
	Bude	–	65	46	b	bc.c	10·6
	Ilfracombe	–	60	51	b	b.bc.b	11·0
	Weston-super-Mare	–	71	51	b	b.bc.b	11·0

LONDON OBSERVATIONS.

Stations.	Humidity. 3 p.m. Yesterday.	Humidity. 9 a.m. To-day.	Sunshine for Yesterday.	Temperature. In Screen. Max.	Temperature. In Screen. Min.	Temperature. Min. on Grass.	Rainfall.	Weather. Forenoon.	Weather. Afternoon.	Weather. Night.
				24 Hours ended 9 A.M. To-day.						
	%	%	Hr.	°F.	°F.	°F.	mm.§			
Greenwich (Royal Obsy.)	42	81	13·3	83	56	50	7	b	b	b.o.tlr.o
City (Bunhill Row)	*	*	12·2	*	*	*	*	*	*	*
Westminster (St. James's Pk.)	48	91	12·9	78	55	54	7	b	b	o.tlr.c
Camden Sq. (Brit. Rainfall)	45	89	11·2	83	58	53	7	b	b.bc	*
Hampstead (Reservoir)	*	92	12·4	77	57	51	11	b	b	o.tl.o
Richmond Park	*	*	12·3							
Kew. (See front page.)										
S. Kensington (Roof of M.O.)	43	85	12·9							

Vertical Component of Solar Radiation per square centimetre during Yesterday.

Total.	Average Rate.	Max. Rate.
2174 Joules	38·1 Milliwatts.	72·0 Milliwatts.

Additional Observations for Yesterday.

Stations.	Rainfall.	Temperature. In Screen. Max.	Temperature. In Screen. Min.	Temperature. Night Min. on Grass.	Weather. Night.	Weather. Forenoon.	Weather. Afternoon.	Sunshine for Yesterday.
	mm.§	°F.	°F.	°F.				Hr.
Dublin to 4 p.m.	Trace	62	53	51	p.c.b	c.b	c.b	*
Plymouth to 9 p.m.	–	65	47	41	o	b	c.b	11·8
Darwen "	–	62	46	43	bc.ogw	ogu.b	bc.u	3·2
Manchester "	–	67	48	*	bc.c	o.c	bc	3·0
Birmingham "	–	71	48	32	*	c.b	bc	7·8
Oxford to 8 p.m.	*	76	46	43	b.bz.o.b	b.bz	bz.bcz	*
S. Kensington (Museum Grounds to 6 p.m.)	–	80	53	47	b	bz	b.bc	*

Table showing the Greenwich Times of Sunrise, Noon and Sunset for Stations in the United Kingdom To-day and To-morrow.

23rd & 24th May 1914.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth	3.48 3.47	11.49 11.50	7.50 7.52
Greenwich	4.0 3.59	11.56 11.57	7.52 7.54
Wick	3.32 3.30	12.8 12.9	8.45 8.47
Valencia	4.39 4.38	12.37 12.38	8.36 8.38

NOTES ON YESTERDAY'S WEATHER.

Temperature varied greatly over the British Isles, not exceeding 50° at Castlebay and Malin Head, and reaching 80° in London. Rain fell in many parts of the country, and thunderstorms occurred over the southern half of England. The southern stations had between 10 and 14 hours of bright sunshine, but the northern ones had much less. As far west as the 32nd meridian ships experienced light to strong winds from various directions, with very variable weather, rain at times.

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. Single copies 1d. at M.O. and at the bookstalls at certain Railway Termini in London.

Printed at the Meteorological Office, South Kensington, London, S.W. By Wyman & Sons Ltd., Fetter Lane, London, E.C., and Reading.

§ 1 m.m. is approximately 4 hundredths of an inch. ‡ The barometric change is expressed in half-millibars.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

Sunday, 24th May, 1914.

	STATIONS.	Yesterday Evening: Barom. Millibars at M.S.L.	Temp. °F.	Wind Direc.	Wind Force 0-12*	Weather.	This Morning 7 a.m. G.M.T.: Barometer Millibars at M.S.L.	Change in 3 hours. ‡	Temp. Dry Bulb °F.	Change in 24 hours °F.	Wind Direc.	Wind Force 0-12.	Direc. of Upper Cloud	Weather.	Sea 0-9.	Past 24 hours: Rainfall. Millimetres.	Temp. Max. °F.	Temp. Min. °F.	Weather. Morning.	Afternoon.	Night.	Sunshine for Yesterday. Hours.
BRITISH ISLANDS	Lerwick	1017.4	45	W	3	bc	1021.9	+3	39	-7	NNW	4	N	bc	3	trace	49	33	bep	bc	beps	*
	Stornoway	1020.4	41	NW	5	bepq	1025.9	+4	41	-4	N	4	N	bc	3	1	49	35	beq	bepq	bc	10.7
	Castlebay (Barra Isd.)	1021.2	46	NW	3	bc	1026.1	+3	43	-1	N	2	-	ohp	3	1	48	39	bep.bc	bep.bc	hp.ehp	10.8
	Glasgow	1017.7	45	ESE	1	od	1024.0	+4	40	-4	-	0	NE	bc	*	4	55	35	o.c	c.op	od.o.bc	2.5
	Eskdalemuir	1017.4	45	NE	2	bc	1023.8	+3	36	-9	NNE	3	-	od	*	8	48	35	or.o	o.or.bc	or.od	1.0
	Malin Head	1021.9	46	N	5	bc	1025.6	+4	44	-1	N	4	N	bc	4	1	48	40	bevq	beq	beqph	*
	Blacksod Point	1024.4	48	N	4	bev	1027.2	+1	45	-3	N	3	N	cv	3	1	51	40	bev	bev	bep	*
	Valencia	1024.4	51	N	4	bev	1028.1	+3	46	-2	NNE	1	N	bcv	3	trace	54	42	bcv	bcv	bcv	11.1
	Roche's Point	1022.0	53	NNW	4	c	1027.4	*	44	-2	NNW	3	NW	b	2	-	55	42	c	c	c.b.	*
	Birr Castle	1021.3	51	NW	4	c	1026.7	*	38	-7	NNW	2	N	c	*	-	55	32	c	c	c	7.5
	Donaghadee	1020.9	49	N	6	b	1025.3	+2	42	-5	NW	3	NW	bcv	3	trace	51	40	b	b	bc.bep	*
	Liverpool (Bidston)	1016.9	50	NW	4	o	1022.7	+2	45	-5	NW	3	NW	bc	3	4	52	44	r.op	o.c.	op	0.1
	Holyhead	1019.8	51	N	6	bq	1025.3	+2	44	-4	N	5	NE	b	5	-	53	44	op.b	bc.b.bq	bbc.c.o	9.7
	Pembroke (St. Ann's)	1019.7	49	NNW	4	c	1024.3	+3	46	-3	N	4	N	bc	3	-	54	41	opd	c	c	7.2
	Newquay	1019.1	52	NW	5	b	1022.8	+3	48	-5	NNW	6	N	b	6	2	56	47	or.o.b	cv.bv	b	5.0
	Scilly (St. Mary's)	1020.6	53	N	4	bc	1023.3	+2	50	-3	ENE	3	N	bc	4	1	54	46	cmp	c.bc	c.bc	3.0
	Jersey (St. Aubin)	1016.9	58	W	4	b	1020.0	*	53	-5	N	3	N	cm	3	1	62	50	cop.bq	b	b.acm	4.9
	Portland Bill	1015.0	55	NNW	4	o	1020.5	+4	49	-6	N	3	N	o	2	-	60	48	c	c.o	o.c.	*
	Dungeness	1012.2	56	SW	3	o	1019.3	+3	49	-9	N	3	N	o	3	1	61	48	c	c.o	opd	*
	Dover	1011.2	59	NW	2	op	1017.3	*	49	-8	N	4	NE	od	4	2	66	47	o.c.o	o.c.o	op.r	2.6
	Wick	1018.1	45	NNW	3	bc	1020.3	+4	39	-4	NNW	3	SE	c	3	0.3	49	34	cm.bc	bc	bcqp.c	*
	Nairn	1018.5	43	-	0	ou	1024.2	*	40	-5	NNE	2	-	cg	3	4	52	32	bc	r	op	3.2
	Aberdeen	1017.9	47	N	4	bc	1023.0	+3	43	-3	NW	4	N	b	2	1	52	36	or.o	c.bc	bc.b	3.4
	Leith	1017.4	48	ENE	2	o	1023.4	+3	43	-2	WNW	2	W	c	*	6	50	40	or.op	c.o.	op	*
	North Shields	1016.1	46	NNE	4	om	1022.8	+5	43	-5	N	2	-	omr	4	7	49	39	omr	omr	omp	0.0
	Spurn Head	1012.5	40	N	6	o	1020.6	+5	48	-5	NE	5	NE	bcpv	5	16	54	44	orth	or	cq	0.0
	Yarmouth	1010.8	56	NW	3	om	1019.7	+6	48	-7	N	4	N	c	2	4	64	47	om	om	omr.c.	1.6
	Clacton-on-Sea	1011.2	59	NNW	3	og	1019.3	+4	49	-10	NNW	3	N	og	2	3	67	47	cp	cp.og	ogp	1.5
	Nottingham	1014.9	49	N	4	o	1022.1	*	46	-8	N	2	N	c	*	6	55	41	tm.o	op	o	0.0
	Bath	1016.6	54	N	1	o	1022.0	*	48	-10	NE	3	NE	o	*	2	62	46	m.ogr	or	o	0.8
	London (Kew Obsy.)	1014.0	54	NNW	2	or	1021.1	+3	48	-12	NNE	3	NE	o	*	3	65	47	omr.o	or	or.o	0.3
ICELAND, FAEROE, &c.	Spitzbergen	1000.8	32	NE	3	o	1003.4	0	32	-4	SE	1	-	o	*	*	39	18				
	Isafjord	1018.3	41	W	3	o	1014.3	0	39	+4	W	4	-	o	*	*	*	*				
	Reykjavik	1023.3	41	W	2	o	1019.0	-2	37	+8	SSW	4	-	c	*	*	*	*				
	Vestmanna	1024.2	41	WSW	2	b	1020.0	-2	38	+10	W	1	-	bc	o	*	*	*				
	Seydisfjord	1020.7	37	W	2	o	1018.9	+4	39	+16	SW	2	-	o	*	*	*	*				
	Thorshavn	1019.9	37	NNE	3	c	1024.4	0	37	-1	W	2	-	c	*	*	*	*				
NORTHERN EUROPE.	Vardö	1004.8	43	S	4	c	1008.7	+3	43	+2	W	1	-	b	2	*	46	32				
	Bodö	1011.1	37	WSW	1	m	1011.1	0	36	-5	SW	1	-	m	2	5	43	34				
	Christiansund	1012.4	45	NE	1	c	1014.3	+1	41	-4	N	1	-	c	3	-	46	41				
	Skudesnaes	1008.8	46	N	5	c	1012.7	+1	45	-3	N	5	-	c	2	5	50	46				
	Færder (Christiania Fjord)	1002.7	54	SW	2	o	1005.7	+3	50	-5	N	6	-	o	2	9	54	46				
	The Scaw (Skagen)	1003.9	57	SSW	7	o	1005.2	+2	52	-3	NW	1	-	o	*	3	61	50				
	Blaavands Huk	1006.9	55	WSW	2	r	1012.0	+4	48	-15	NNW	6	-	b	5	6	64	48				
	Haparanda	1012.7	46	WSW	2	bc	1005.2	?	34	-3	SW	4	-	o	*	12	50	34				
	Hernösand	1011.8	46	W	2	c	1001.7	+4	41	-9	NE	3	-	r	*	25	50	37				
	Stockholm	1012.4	59	SSE	6	o	1003.5	-2	59	-2	SSW	2	-	o	*	3	68	52				
	Wisby	1015.0	63	SSW	4	bc	1006.0	-4	63	-1	S	6	SW	bc	*	-	70	57				
	Karlstad	1006.4	59	E	4	c	1003.3	+3	50	-5	NNW	4	-	r	*	4	66	46				
	St. Petersburg														*		*					
CENTRAL EUROPE.	Berlin	1010.7	77	S	4	c	1013.0	+1	66	+2	SW	3	S	c	*	8	82	59				
	Frankfurt	1011.4	79	SW	3	o	1015.4	+2	59	-5	SW	1	SW	c	*	1	84	55				
	Munich	1012.7	70	E	2	c	1017.2	-1	55	-8	W	4	-	r	*	3	79	54				
	Vienna								*						*							
	Cuxhaven	1007.7	63	S	2	r	1012.4	+4	54	-10	NNW	5	-	cq	3	9	77	54				
	The Helder	1008.8	55	WSW	3	o																
	Brussels	*	*	*	*	*	1015.8	+4	54	-14	NNW	2	-	o	*	12	73	52				
FRANCE.	C. Gris Nez	1011.7	55	SW	4	o	1018.4	+3	48	-14	N	5	*	r	4	6	64	48				
	La Hève	1016.6	54	WNW	4	o	1018.3	*	50		N	3	*	o	3	11	77	46				
	Ushant	1019.3	57	NNE	4	o	1022.0	*	53	-2	NNE	4	*	b	3	-	63	48				
	Brest (St. Mathieu)	1020.0	55	NNW	3	o	1022.6	+2	52	-4	NE	3	*	bc	2	-	72	48				
	Rochefort (Ile d'Aix)	1019.0	61	WSW	4	c	1017.7	+1	59	-1	N	3	*	c	*	5	75	55				
	Biarritz	1022.1	59	WNW	3	r	1019.0	+1	59	-4	NW	3	*	oth	3	3	66	55				
	Paris	1014.7	66	SSW	3	b	1017.3	+1	59	-2	N	2	SW	bc	*	4	73	54				
	Belfort	1015.1	68	W	6	m	1017.2	*	55	-13	W	3	*	o	*	12	64	54				
	Lyons	1018.4	64	NNW	1	o	1018.3	*	55	-13	N	1	*	r	*	13	80	54				
	Nice	1019.9	68	-	0	b	1018.9	-1	59	-9	-	0	*	c	1	-	81	55				
	Perpignan	1015.5	70	NE	1	b	1017.9	0	64	-7	NW	3	NW	c	*	5	79	*				
	Sanguinaire	*					*	*					*									
SOUTHERN EUROPE.	Corunna (7 a.m.)	1024.7	61	NNW	1	c	1022.4	0	54	-5	NNE	1	-	r	3	9	63	54				
	Madrid (8 a.m.)	1020.8	75	NNW	2	bc	1017.1	+1	59	-5	S	1	-	c	*	-	77	52				
	Lisbon (9 a.m.)	1023.0	66	NNW	4	b	1021.3	0	59	-2	NNW	2	-	o	2	-	70	55				
	Gibraltar							*														
	Rome														*							
	Azores (Horta, 8 a.m.)	1033.9	*	N	4	m	1035.3	+1	61	0	NNW	3	-	o	2	-	72	61				
	Madeira (Funchal)	1027.1	64	N	3	b	1027.3	+1	66	0	N	3	-	b	3	-	70	61				

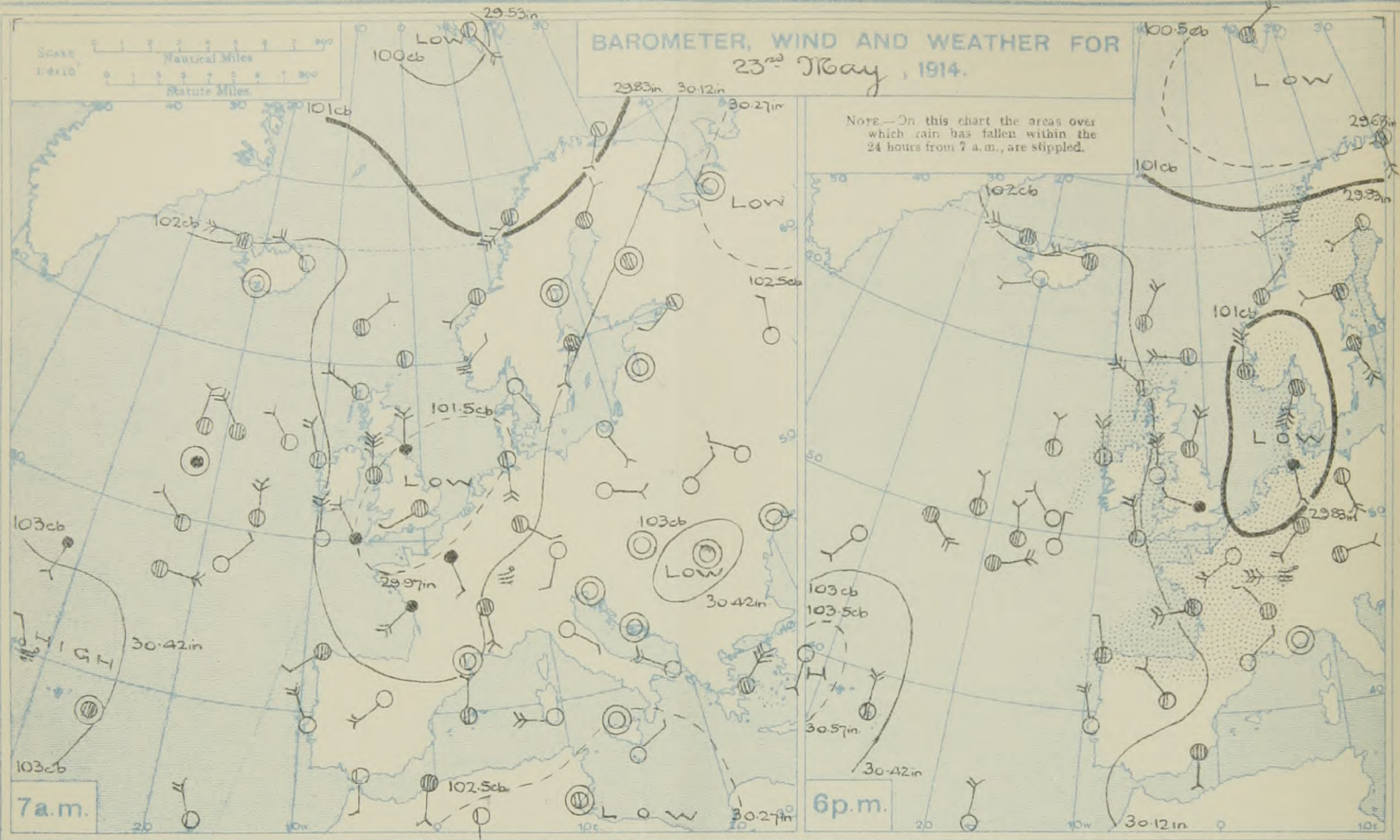
* Information for these columns not usually received. † Received too late for insertion in Charts. ‡ The barometric change is expressed in half-millibars.

Equivalents of Millibars in Inches.

Millibars.	Inches of Mercury at 32° F. in Lat. 45.
940	27·76
950	28·05
960	28·35
970	28·65
980	28·94
990	29·24
1000	29·53
1010	29·83
1020	30·12
1030	30·42
1040	30·71
1050	31·01

1,000 millibars are equivalent to 14½ lbs. per square inch (in Lat. 45).

100 millibars to one pound and a half per square inch.



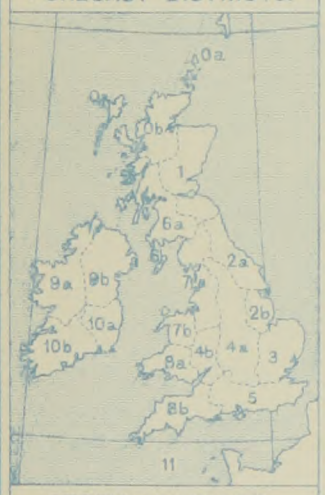
PILOT BALLOON ASCENTS for the PAST WEEK.

Component Velocities to East and to North in Metres per Second.

	Station		Comp. to E.	Comp. to N.	Comp. to E.	Comp. to N.	Comp. to E.	Comp. to N.	Comp. to E.	Comp. to N.	Comp. to E.	Comp. to N.	Comp. to E.	Comp. to N.	Comp. to E.	Comp. to N.
0 a	Station		Aberdeen		Eskdalemuir		South Farnboro'		South Farnboro'		Aberdeen		South Farnboro'		Aberdeen	
0 b / 1	Date & Hour.		18th 8 h.		18th 12 h.		18th 12.30 h.		19th 7 h.		19th 8 h.		21st 7 h.		21st 8 h.	
2 a / 2 b / 3	Heights in Kilometres.															
4 a		4	+15	−3			−6	−8	−5	−6						
4 b		3	+15	+4			−4	−7	−2	−5						
5		2	+10	−2	+8	−1	−5	−5	−3	−4	+16	−2			+21	+14
		1	+7	0	+5	0	−2	−4	−2	−3	+9	0	+8	−1	+19	+8
6 a		0.5	+3	+4	+3	0	−3	−3	0	−4	+7	−9	+3	+3	+8	+7
6 b		0	−1	+3	+5	0	−2	−1	+1	−1	+6	−6	+2	0	0	+5
7 a	Station		South Farnboro'		Aberdeen											
7 b	Date & Hour.		21st 11 h.		25th 8 h.											
8 a / 8 b	Heights in Kilometres.															
		8			+9	−9										
9 a		7			+7	−4										
9 b		6			+5	−5										
10 a		5			+4	−3										
10 b		4			+2	−4										
		3	+12	−1	−1	−9										
		2	+10	0	−4	0										
		1	+5	+2	−8	+6										
		0.5	+4	+1	+3	0										
		0	+4	+3	+1	0										

Millibars: 1050, 1040, 1030, 1020, 1010, 1000, 990, 980, 970

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.

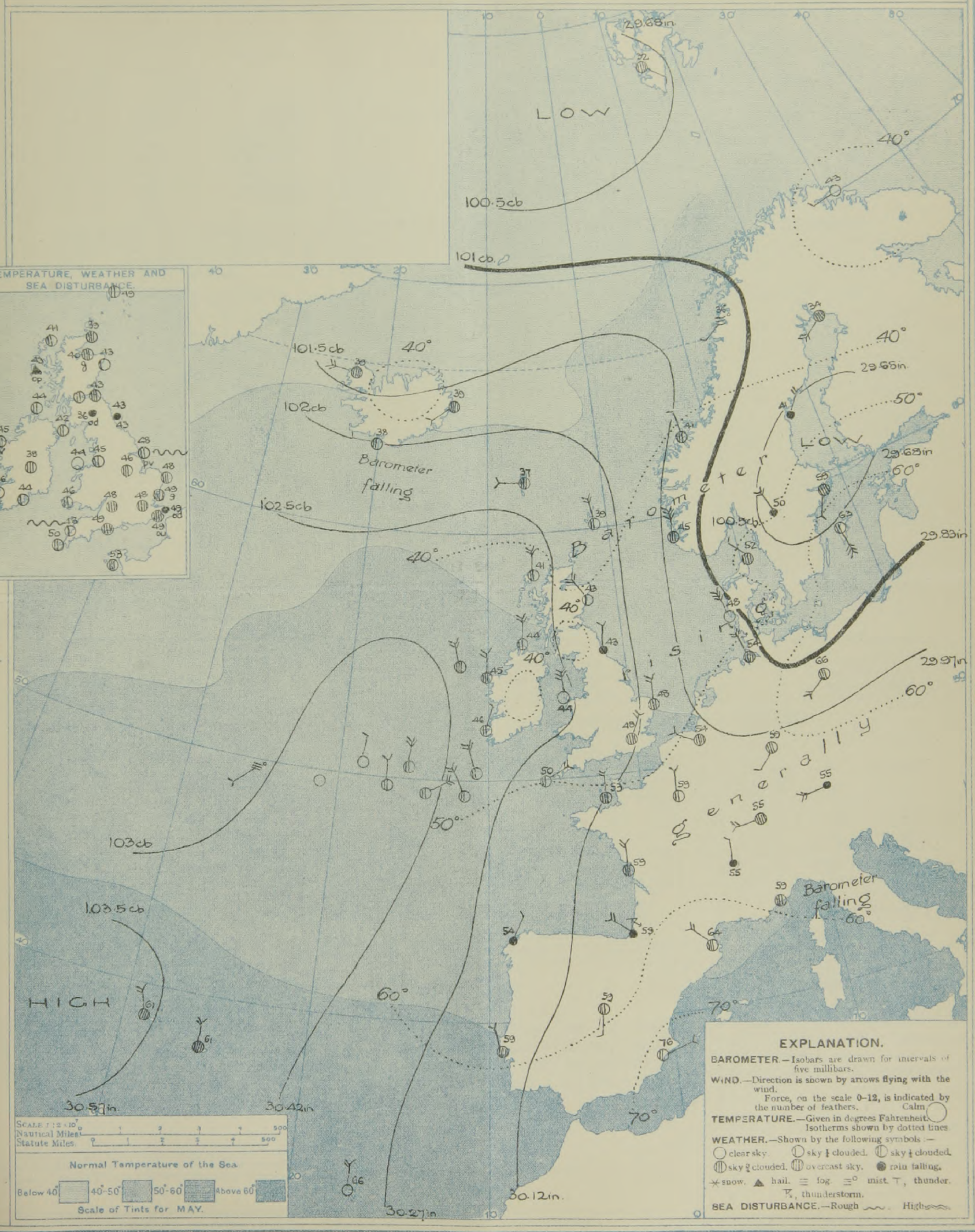
South Cone. South Cone.

North Cone. North Cone.

Western Channel and Bay. 11

FURTHER OUTLOOK.

SYNOPTIC CHART FOR 7 a.m., SUNDAY, 24TH MAY, 1914.



DAILY WEATHER REPORT. Sunday, 24th May, 1914.

OBSERVATIONS from the ATLANTIC OCEAN received by RADIOTELEGRAPHY.

Date and Hour.	Position. Lat. N.	Position. Long. W.	Name of Ship.	O = Outward. H = Homeward.	Barometer. Reading.	Barometer. Change in 3 hours.	Wind. Direc.	Wind. Force.	Weather.
	°	°			mb.	‡		(0-12).	
24th 7 a.m.	49	25	Baltic	O	1028·4	0	SW	1-3	m
" "	49	20	Lusitania	H	1031·5	+13	-	0	b
" "	50	18	Montezuma	O	1030·1	+8	NNE	1-3	b
" "	49	11	Finland	H	1028·1	-1	NNW	4-5	bc
" "	50	10	Ionian	O	1025·4	+2	NNW	4-5	bc
23rd 6 p.m.	47	31	Olympic	O	1021·3	-2	SSW	1-5	?
" "	49	25	Haverford	O	1028·4	-1	SE	1-3	o
23rd 6 p.m.	50	20	Baltic	O	1025·7	+1	N	1-3	c
" "	54	16	Columbia	H	1026·7	-1	N	1-3	o
" "	50	14	Montezuma	O	1026·4	+1	NW	1-3	b
" 7 a.m.	47	22	Missouri	H	1027·7	+1	E	4-5	c
" "	53	21	Columbia	H	1024·0	0	-	0	r
" "	49	21	Haverford	O	1027·1	+1	WNW	1-3	bc
" "	50	15	Baltic	O	1023·0	+2	N	4-5	c

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

	Stations.	Rainfall.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 6 p.m.
		mm.§	°F.	°F.			Hr.
Scotland	Oban						
	St. Andrews				*	*	
	Carnoustie	8	52	43	*	*	1·3
Eng. N.E.	Harrogate	10	48	45	r.o	o	0·0
	Scarborough	*					
	Skegness	12	58	49	r	g	0·0
Eng. N.W.	Douglas (I. of M.)						
	Morecambe	17	54	47	r	bc	0·0
	Blackpool	18	53	47	or	o	0·0
	Southport	9	52	50	or	o.c	0·1
Midlands.	Buxton	12	53	45	bc.thr.c	cmr	0·0
	Leamington Spa	7	55	51	or	or	0·0
	Malvern	7	60	49	or	o.c	0·4
Wales.	Rhyl	3	52	48	o	o	0·0
	Colwyn Bay						
	Llandudno						
	Aberystwyth	1	54	49	r.o	c.b	5·3
	Tenby	1	57	49	o	b	8·5
England, E.	Lowestoft						
	Felixstowe	6	68	55	cm	om	4·2
	Walton-on-Naze	8	67	56	cm.p.om	bc.ogm	1·9
	Southend-on-Sea	9	69	57	bg.bc	otr.o	3·0
England, S.E.	Margate	31	67	58	o	thr	1·1
	Ramsgate	6	67	56	o	or	0·9
	Folkestone	3	62	55	th.bc	bc.o	2·4
	Hythe	0·3	69	51	o	c.o	2·0
	Littlestone	*	*	*	*	*	2·4
	Hastings	1	65	57	thr.bc	bc.o	3·2
	Bexhill-on-Sea	3	66	56	o	o	3·3
	Eastbourne	1	64	56	o	b.o.b.o	4·8
	Seaford	1	72	55	c	c	4·7
	Brighton	3	66	57	o.c	c.o	6·5
	Worthing	-	68	55	bc	bc.o	7·1
	Littlehampton	3	*	*	*	*	7·8
	Bognor	-	64	56	bc	bc.o	7·0
	Southsea						
	Ryde						
	Ventnor				*	*	
	Bournemouth	5	66	53	thr.c	o	4·2
England, S.W.	Weymouth	11	64	55	bc	bc.o	4·7
	Exmouth						
	Teignmouth	6	60	54	cpr.c	c.bc.b	3·2
	Torquay	0·3	59	54	o	c.bc.b	4·1
	Paignton	5	61	54	o.c.bc	bc	†6·1
	Falmouth	1	56	53	orq	bc	3·0
	Bude						
	Ilfracombe	1	56	50	o.c	c.bc.b	4·5
	Weston-super-Mare						†To sunset.

LONDON OBSERVATIONS.

Stations.	Humidity. 3 p.m. Yesterday.	Humidity. 9 a.m. To-day.	Sunshine for Yesterday.	Temperature. In Screen. Max.	Temperature. In Screen. Min.	Temperature. Min. on Grass.	Rainfall.	Weather. Forenoon.	Weather. Afternoon.	Weather. Night.
				24 Hours ended 9 a.m. To-day.						
	%	%	Hr.	°F.	°F.	°F.	mm.§			
Greenwich (Royal Obsy.)	89	67	1·7	71	46	46	2	o	op	op
City (Punhill Row)	*	*	0·7	*	*	*	*	*	*	*
Westminster (St. James's Pk.)	94	70	0·8	66	47	48	5	od.r	r	or.bc
Camden Sq. (Brit. Rainfall)	82	44	0·9	70	47	46	3	o	o.or	*
Hampstead (Reservoir)	*	67	0·7	65	44	44	4	c.or	bcm	bc
Richmond Park	*	*	0·5							
Kew. (See front page.)										
S. Kensington (Roof of M.O.)	86	72	0·6							

Vertical Component of Solar Radiation per square centimetre during Yesterday.

Total.	Average Rate.	Max. Rate.
667 Joules	11·7 Milliwatts.	72·0 Milliwatts.

Additional Observations for Yesterday.

Stations.	Rainfall.	Temperature. In Screen. Max.	Temperature. In Screen. Min.	Temperature. Night Min. on Grass.	Weather. Night.	Weather. Forenoon.	Weather. Afternoon.	Sunshine for Yesterday.
	mm.§	°F.	°F.	°F.				Hr.
Dublin to 4 p.m.	10	55	45	45	or.c	c	c	*
Plymouth to 9 p.m.	4	61	48	43	or	c	bc	6·0
Darwen "	7	53	43	46	c.or	or	or	0·0
Manchester "	8	59	47	*	c.or	or.o	o	0·0
Birmingham "	15	63	46	52	thr	r	r	0·0
Oxford to 8 p.m.	*	60	50	49	cyther	or.o	or.o	*
S. Kensington (Museum Grounds to 6 p.m.)	8	77	54	52	bc.dtr	o	or.o	*

Table showing the Greenwich Times of Sunrise, Noon and Sunset for Stations in the United Kingdom To-day and To-morrow.

24th. 25th. May 1914.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth	3.47 3.46	11.50 11.50	7.52 7.54
Greenwich	3.59 3.58	11.57 11.57	7.54 7.56
Wick	3.30 3.29	12.9 12.9	8.47 8.49
Valencia	4.38 4.37	12.38 12.38	8.38 8.39

NOTES ON YESTERDAY'S WEATHER.

In the East and South-East of England the thermometer rose to 65° and upwards, but at many of our western and southern stations it failed to reach 55°, and in some parts of North Britain it did not touch 50°. The amount of bright sunshine was small. Rain fell generally, hail showers occurred in Scotland, and thunderstorms on some parts of our east and south-east coasts.

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. Single copies 1d. at M.O. and at the bookstalls at certain Railway Termini in London.

Printed at the Meteorological Office, South Kensington, London, S.W. By Wyman & Sons Ltd., Fetter Lane, London, E.C., and Reading.

§ 1 m.m. is approximately 4 hundredths of an inch. ‡ The barometric change is expressed in half-millibars.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

Monday, 25th May, 1914.

	STATIONS.	YESTERDAY EVENING. Barom. Millibars at M.S.L.	Temp.	Wind Direc.	Wind Force 0-12.	Weather.	THIS MORNING 7 A.M., G.M.T. Barometer. Millibars at M.S.L.	Change in 3 hours.	Temp. Dry Bulb.	Temp. Change in 24 hours.	Wind Direc.	Wind Force 0-12.	Direc. of Upper Cloud.	Weather.	Sea 0-9.	PAST 24 HOURS. Rainfall. Millimetres.	Temp. Max.	Temp. Min.	Weather. Morning.	Afternoon.	Night.	Sunshine for Yesterday.
			°F.					‡	°F.	°F.							°F.	°F.				Hours.
BRITISH ISLANDS.	Lerwick ...	1026·1	42	WNW	3	b	1026·8	0	44	+5	W	3	NW	bc	2	trace	45	33	cpsh	cp b	bcph	*
	Stornoway ...	1029·6	45	NE	3	b	1027·6	-2	44	+3	SW	4	SW	b	4	–	48	33	bcq	bc b	bj	10·4
	Castlebay (Barra Isd.)	1029·6	46	NW	4	bc	1027·7	0	45	+2	S	4	–	b	4	–	48	38	hp bc	bc	bc b	12·6
	Glasgow ...	1027·0	45	ENE	2	od	1029·5	0	42	+2	ESE	2	S	c	*	1	53	38	bc cv	opsh	o	5·1
	Eskdalemuir ...	1026·5	44	ENE	4	c	1029·6	0	42	+2	NE	3	–	bc	*	trace	49	33	od o c	c	cp o	2·2
	Malin Head ...	1030·0	46	NNE	5	bc	1028·8	0	42	-2	SW	1	SW	bc	2	trace	50	40	bc	bcp	bcv	*
	Blacksod Point	1030·6	49	NNE	3	b	1029·0	-2	46	+1	S	2	N	bc	2	trace	50	35	cv bcp	bcv	bcv	*
	Valencia ...	1030·1	48	NNW	3	bcq	1029·4	0	45	-1	–	0	–	bcm	3	0·3	52	38	bcv	bc	bc	q b
	Roche's Point	1028·1	52	NNW	4	c	1029·8	*	44	0	NNW	1	N	b	1	trace	52	38	c	cg	c b	*
	Birr Castle ...	1027·7	50	N	1	c	1029·4	*	35	-3	W	1	–	b	*	–	51	29	c	c	b x	3·6
	Donaghadee ...	1027·9	49	N	4	b	1029·1	0	45	+3	N	3	N	bc	3	–	52	42	bv	b	b bc	*
	Liverpool (Bidston)	1024·6	50	WNW	2	b	1028·1	+1	44	-1	ENE	1	SE	c	2	–	52	41	bc	b	o c	12·2
	Holyhead ...	1027·1	49	N	5	bcq	1028·9	0	45	+1	E	3	–	bj	3	0·3	52	42	op c b	c bc c b	c opd c	9·3
	Pembroke (St. Ann's)	1026·1	47	NNE	4	b	1027·6	+1	46	0	N	2	N	bc	2	–	52	42	bc	bc	b	12·8
	Newquay ...	1024·1	49	NNW	6	b	1026·4	+1	48	0	NNW	4		bc	4	–	54	45	bv	bv	bc	13·5
	Scilly (St. Mary's)	1025·5	50	NNE	5	cq	1026·6	+1	49	-1	NNE	4	–	bc	4	–	53	45	bc	bcq	cq bc	11·1
	Jersey (St. Aubin)	1021·0	55	NNE	4	bc	1024·4	*	51	-2	NE	4	NE	b	3	–	58	48	c o	b bc	cv b	3·2
	Portland Bill ...	1022·6	55	NE	4	bc	1025·3	+3	46	-3	NE	4	NE	c	3	trace	57	46	c	c bc	cp	*
	Dungeness ...	1021·7	52	NNE	4	c	1024·4	+1	49	0	NNE	5	NE	c	5	–	55	47	o c bc	bc	bc	*
	Dover ...	1019·6	49	NNE	6	bv	1023·3	*	49	0	N	5	NE	bc	6	trace	54	42	op o c	c bcv	b bc	5·3
	Wick ...	1028·9	42	NNW	4	bc	1028·4	0	42	+3	SW	3	–	b	4	1	44	31	c o	bcq	bcm bq	*
	Nairn ...	1028·6	45	NE	3	bc	1028·5	*	41	+1	–	0	–	b	1	1	47	26	ph c	v bc	bv x	2·7
	Aberdeen ...	1027·8	45	NNW	4	b	1029·5	0	43	0	W	1	–	b	2	1	49	32	bc hp	bc b	bc b	10·0
	Leith ...	1026·8	47	ENE	4	c	1029·3	0	45	+2	E	2	–	b	*	1	45	40	c	c o	op	*
	North Shields ...	1026·6	46	NE	3	bc	1029·2	0	43	0	NW	1	–	b	2	1	48	36	bc	bc	bc	2·3
	Spurn Head ...	1025·4	47	NNE	4	c	1027·1	+1	46	-2	NE	5	NE	bc	4	1	54	42	cv	cv	cv op	7·3
	Yarmouth ...	1024·1	52	NNE	4	bc	1026·1	0	?	?	N	3	N	bc	2	–	55	44	c bc	bc	bc	9·9
	Clacton-on-Sea	1022·0	52	ENE	5	bc	1025·4	+1	47	-2	NNW	3	N	bc	2	0·3	55	40	og bc	bc	bc cp	7·1
	Nottingham ...	1025·3	44	NE	3	r	1028·0	*	45	-1	NE	2	NE	b	*	9	54	41	c	c or	r o	2·4
	Bath ...	1023·3	50	NNE	2	o	1027·4	*	47	-1	NE	3	NE	c	*	2	58	41	o	op hg	og o c	1·9
	London (Kew Obsy.)	1023·0	52	ESE	3	c	1026·5	+1	46	-2	NE	4	NW	c	*	trace	55	41	o c d o	op c	c op c	3·7
ICELAND, FAEROE, &c.	Spitzbergen ...	1006·0	32	NW	1	o	1008·4	+2	35	+3	–	0	–	o	*	*	37	28				
	Isafjord ...	1012·8	43	SW	5	bc	1021·5	+2	34	-5	E	3	–	c	*	*	*	*				
	Reykjavik ...	1016·6	46	–	0	o	1019·4	+3	41	+4	–	0	–	bc	*	*	*	*				
	Vestmanna ...	1017·0	46	W	4	c	1018·1	+2	40	+2	N	1	–	b	1	*	*	*				
	Seydisfjord ...	1013·5	45	SW	2	o	1018·4	+7	36	-3	NE	1	–	c	*	*	*	*				
	Thorshavn ...	1023·7	47	W	4	c	1018·3	-2	43	+6	WSW	6	–	r	*	*	*	*				
NORTHERN EUROPE.	Vardö ...	1007·0	39	N	3	o	1011·8	+4	41	-2	W	3	–	b	2	*	45	37				
	Bodö ...	1014·0	39	W	4	b	1017·3	?	37	+1	S	2	–	c	2	–	41	32				
	Christiansund	1020·4	41	NW	1	c	1022·4	0	43	+2	SW	1	–	b	3	–	43	37				
	Skudesnaes ..	1019·7	41	NNW	6	c	1024·7	+1	43	-2	N	5	–	b	2	–	46	37				
	Færder (Christiania Fjord)	1012·6	49	NNW	4	r	1021·7	+4	45	-5	NE	6	–	c	2	4	52	43				
	The Scaw (Skagen)	1012·7	57	WNW	1	b	1017·3	+3	50	-2	ENE	5	–	bc	*	2	57	45				
	Blaavands Huk	1018·9	46	NNW	6	bc	1019·9	0	48	-8	NNW	4	SW	c	5	–	50	48				
	Haparanda ...	1005·2	43	N	6	c	1016·6	+6	41	+7	NNW	2	N	c	*	8	45	34				
	Hernösand ...	1011·4	48	N	2	c	1021·6	+4	45	+4	N	2	–	b	*	trace	50	39				
	Stockholm ...	1011·4	41	N	4	o	1020·2	+5	48	+7	NNE	4	–	b	*	1	64	39				
	Wisby ...	1009·5	55	SW	2	o	1018·9	+5	46	-17	NE	4	SE	c	*	–	66	45				
	Karlstad ...	1012·3	50	NE	2	c	1021·9	+8	46	-4	N	2	–	c	*	trace	54	41				
	St. Petersburg †	1021·9	61	NW	1	b	1020·2	+5	61		S	2		b	*	–	66	52				
CENTRAL EUROPE.	Berlin ...	1012·6	66	N	4	bc	1014·1	0	48	-18	NW	4	–	o	*	6	72	46				
	Frankfurt ...	1013·0	59	NE	1	r	1015·9	+2	45	-14	NE	2	–	r	*	38	70	45				
	Munich ...	1010·6	57	N	2	o	1010·6	0	57	+2	SW	5	–	c	*	6	64	52				
	Vienna † ...	1017·3	63	WSW	3	b	1016·6	0	59		W	1	–	o	*	–	72	50				
	Cuxhaven ...	1019·1	50	N	5	o	1020·0	0	48	-6	N	4	–	o	2	–	54	46				
	The Helder ...	1021·7	50	N	5	c	1024·0	+2	45		N	4	–	r	2	2	52	45				
	Brussels ...	*	*	*	*	*	1021·7	+3	46	-8	NE	4	–	bc	*	trace	55	41				
FRANCE.	C. Gris Nez ...	1020·8	50	NE	6	c	1023·0	+1	49	-10	NNE	6	*	c	5	trace	55	46				
	La Hève ...	1020·2	48	NE	3	o	1022·6	*	47	-3	NE	3	*	bc	2	–	59	41				
	Ushant ...	1023·4	52	NNE	5	bc	1024·6	*	54	+1	NNE	4	*	c	3	1	55	46				
	Brest (St. Mathieu)	1022·7	61	NE	4	c	1025·5	+2	50	-2	N	2	*	c	1	2	59	48				
	Rochefort (Ile d'Aix)	1015·4	58	N	4	r	1016·8	+2	52	-7	NNE	5	*	o	*	3	64	52				
	Biarritz ...	1015·0	59	N	3	o	1016·0	0	54	-5	W	3	*	o	3	37	64	52				
	Paris ...	1017·1	54	NNE	4	o	1020·3	0	48	-11	NNE	4	–	b	*	–	63	43				
	Belfort ...	1014·9	54	—	0	r	1014·4	*	50	-5	ENE	2	*	o	*	7	69	49				
	Lyons ...	1014·3	59	W	1	c	1013·6	*	51	-4	NW	2	*	o	*	4	64	51				
	Nice ...	1010·9	61	–	0	b	1008·2	0	64	+5	–	0	*	bc	3	–	72	54				
	Perpignan ..	1011·8	63	SW	1	o	1009·1	+2	55	-9	NW	3		r	2	4	70	54				
	Sanguinaire ...	*	71	N	1	o	*	*	66		E	3	*	m	* 3	–	75	61				
SOUTHERN EUROPE.	Corunna (7 a.m.)	1022·9	57	NNE	4	o	1026·0	+2	54	0	NNE	3	–	c	?	6	59	39				
	Madrid (8 a.m.) ...	1009·5	61	WNW	1	r	1013·5	+1	52	-7	NE	3	–	o	*	trace	72	50				
	Lisbon (9 a.m.)	1018·1	61	NNW	4	bc	1020·3	+2	55	-4	NNW	6	NW	b	5	–	63	54				
	Gibraltar ...	1016·9	74	W	7	b	1016·2	*	59		WNW	7	–	o	4	–	74	58				
	Rome † ...	1022·4	68	SW	1	b	1018·7	+1	61		N	1	–	b	*	–	82	59				
	Azores (Horta, 8 a.m.)	1035·9	*	NNE	4	o	1034·9	0	61	0	NE	4	–	o	2	–	68	59				
	Madeira (Funchal)	1027·7	64	N	3	b	1026·4	0	63	-3	N	3	–	c	3	–	70	61				

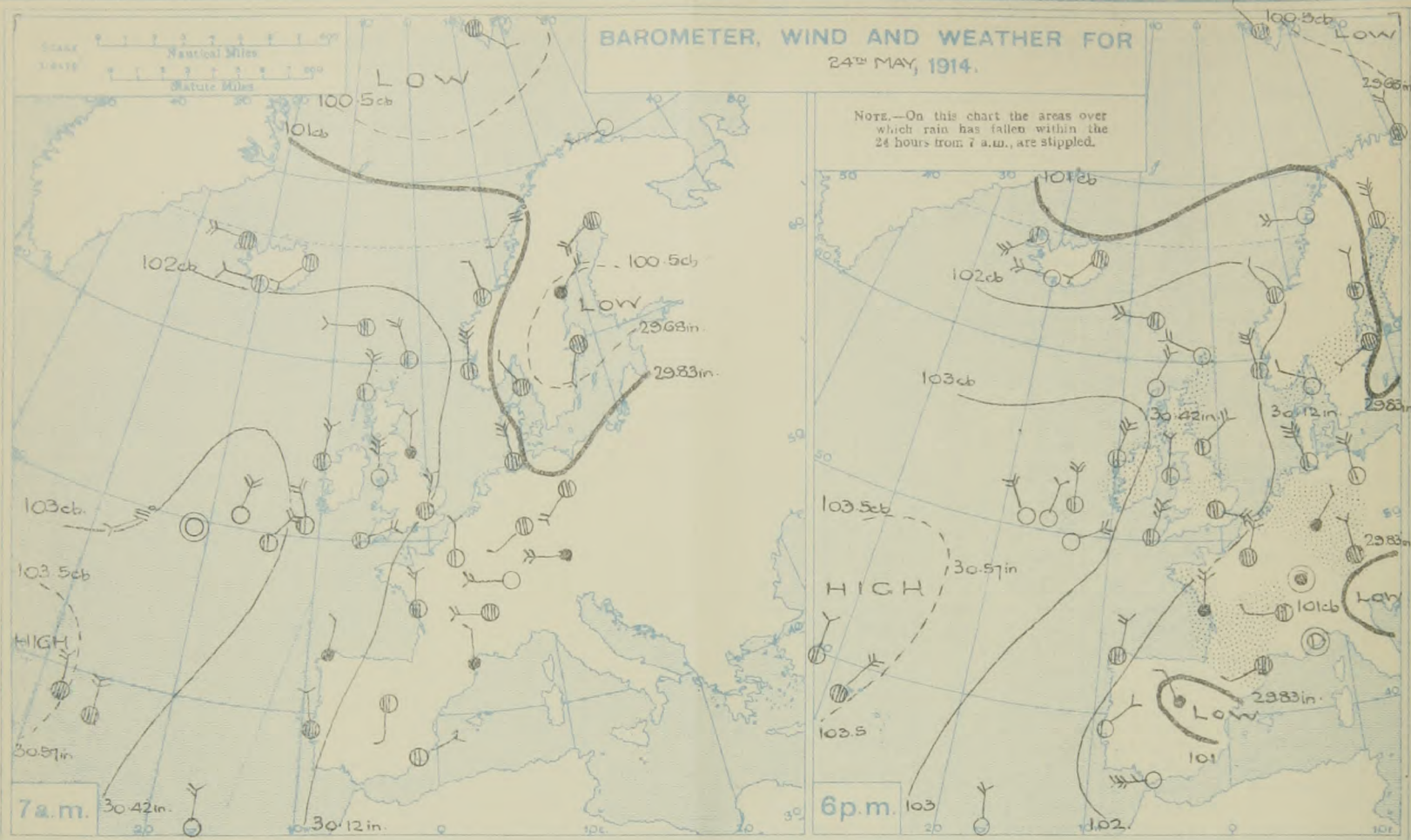
* Information for these columns not usually received.

Equivalents of Millibars in Inches.

Millibars.	Inches of Mercury at 32° F. in Lat. 45.
940	27·76
950	28·05
960	28·35
970	28·65
980	28·94
990	29·24
1000	29·53
1010	29·83
1020	30·12
1030	30·42
1040	30·71
1050	31·01

1,000 millibars are equivalent to 14½ lbs. per square inch (in Lat. 45).

100 millibars to one pound and a half per square inch.



FORECASTS FOR THE 24 HOURS NOON MONDAY TO NOON TUESDAY.

STORM WARNINGS.

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

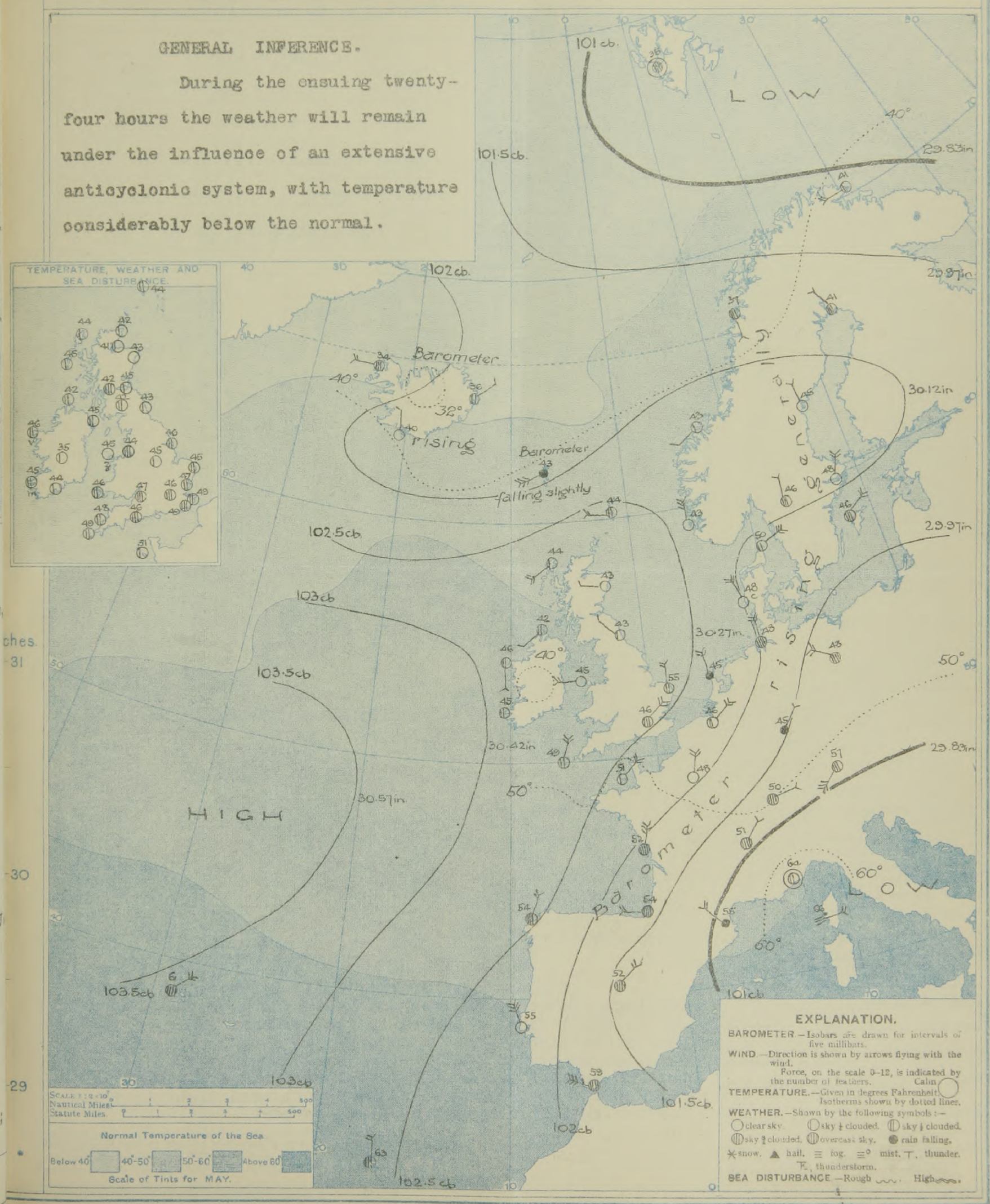
Signals hoisted yesterday.	Signals hoisted this morning.
South Cone.	South Cone.
North Cone.	North Cone.

No Warnings Issued.

0 (a, b), 1	Calms and variable South-Westerly to Westerly breezes, freshening somewhat later; fine to cloudy, some showers later; temperature cold to moderate.
2 (a, b), 3, 4 (a, b), 5	Northerly and North-Easterly breezes, fresh at times locally; cloudy, some local showers; cold.
6 (a, b)	Same as Nos. 0 and 1.
7 (a, b)	Light variable North-Easterly breezes; fair generally, local passing showers; rather cold.
8 (a, b)	Same as Nos. 2 to 5.
9 (a, b), 10 (a, b)	Calms and light variable breezes; generally fair to fine; rather cold.
Western Channel and Bay. 11	Northerly and North-Easterly breezes, fresh at times; sea moderate; cloudy; rather cold.

FURTHER OUTLOOK.

SYNOPTIC CHART FOR 7 a.m., MONDAY, 25TH MAY, 1914.



DAILY WEATHER REPORT. Monday, 25th May, 1914.

OBSERVATIONS from the ATLANTIC OCEAN received by RADIOTELEGRAPHY.

Date and Hour.	Position. Lat. N.	Position. Long. W.	Name of Ship.	O = Outward. H = Homeward.	Barometer. Reading.	Barometer. Change in 3 hours.	Wind. Direc.	Wind. Force.	Weather.
	°	°			mb.	‡		(0-12).	
25th, 7 a.m.	49	8	Missouri	H	1029·4	0	NNE	4-5	b
24th, 6 p.m.	50	14	Sonian	O	1030·8	+1	NNE	1-3	b
" "	50	13	Lusitania	H	1031·8	-1	NW	4-5	b
" "	51	12	Megantic	O	1032·8	+5	N	4-5	bc
" "	49	12	Missouri	H	1031·8	0	ENE	4-5	b
" 7 a.m.	49	17	Maryland	O	1030·8	+2	N	1-3	bc
" "	50	16	Scotian		1027·7		NNE	4-5	bc
" "	49	14	Missouri	H	1030·8	+1	ENE	4-5	bc
" "	55	11	Columbia	H	1028·1	0	NNW	4-5	c

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

	Stations.	Rainfall.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 6 p.m.
		mm. §	° F.	° F.			Hr.
Scotland	Oban						
	St. Andrews				*	*	
	Carnoustie	T	49	39	*	*	4·1
	Stonehaven	trace	52	36	bc	bc	8·2
Eng. N.E.	Harrogate	4	51	38	c·or	op	0·7
	Scarborough	*	51	44	c·b	c·b	7·1
	Skegness	–	57	45	bc·o	bc	12·0
Eng. N.W.	Douglas (I. of M.)						
	Morecambe						
	Blackpool	6	52	43	c	c·b	9·6
	Southport	6	52	43	bc·c	c·o·c	9·0
Midlands	Buxton	1	47	35	c	c	1·2
	Leamington Spa	trace	54	41	c·b	o	4·1
	Malvern	–	53	44	c	c·bc	0·5
Wales	Rhyl	–	51	45	b	b	12·0
	Colwyn Bay	–	51	42	b	b	8·5
	Llandudno	–	54	43	b	b	8·5
	Aberystwyth	–	51	43	b	bv	12·5
	Tenby						
England E.	Lowestoft	3	52	47	c·bc	bc	8·9
	Felixstowe	1	54	47	cm	bc	7·9
	Walton-on-Naze	1	53	46	oq·c	bcq·bc	6·9
	Southend-on-Sea	1	56	47	r·o·bc	bc·o·bc	2·7
England, S.E.	Margate	2	53	49			4·3
	Ramsgate	7	54	46	b	c	4·7
	Folkestone	3	54	48	bc·r·o·b	bc·r·b	3·0
	Hythe						
	Littlestone	*	*	*	*	*	2·8
	Hastings	–	56	47	o·c	bc·b	0·4
	Bexhill-on-Sea	1	56	48	c	c	1·7
	Eastbourne	1	56	48	o	o·bc	1·9
	Seaford						
	Brighton	–	59	49	o·c	c·b·o·c	2·7
	Worthing	–	60	48	bc·c	c	3·8
	Littlehampton	1	*	*	*	*	4·6
	Bognor	–	59	48			?
	Southsea	–	60	48	c·b	c·bc	2·7
	Ryde	–	56	49	c	c	1·5
	Ventnor	trace	59	46	*	*	3·0
	Bournemouth	–	57	46	o	o	1·0
England, S.W.	Weymouth	–	59	47	c	bcz	1·0
	Exmouth						
	Teignmouth	–	57	45	c·bc	c·bc	2·5
	Torquay	–	57	44	o	c·o	2·0
	Paignton						
	Falmouth	–	55	41	bvq	bvcq	11·8
	Bude	–	54	43			13·0
	Ilfracombe	–	55	46	bc·b	b·bc	7·5
	Weston-super-Mare	3	?	46	c·bc	bc·c	7·0

LONDON OBSERVATIONS.

Stations.	Humidity. 3 p.m. Yesterday.	Humidity. 9 a.m. To-day.	Sunshine for Yesterday.	Temperature. In Screen. Max.	Temperature. In Screen. Min.	Temperature. Min. on Grass.	Rainfall.	Weather. Forenoon.	Weather. Afternoon.	Weather. Night.
				24 Hours ended 9 a.m. To-Day.						
	%	%	Hr.	° F.	° F.	° F.	mm. §			
Greenwich (Royal Obsy.)	66	64	3·0	56	39	32	trace	o	op	o·bc
City (Bunhill Row)	*	*	3·3	*	*	*	*	*	*	*
Westminster (St. James's Pk.)	71	78	3·7	56	42	38	–	bc·up	cu	u·bc·o
Camden Sq. (Brit. Rainfall)	–	64	4·2	?	40	35	–	–	–	*
Hampstead (Reservoir)	*	69	3·8	55	38	34	1	cr	bcp	o
Richmond Park	*	*	3·3							
Kew. (See front page.)										
S. Kensington (Roof of M.O.)	–	66	2·5							

Vertical Component of Solar Radiation per square centimetre during Yesterday.

Total.	Average Rate.	Max. Rate.
1024 Joules	17·9 Milliwatts.	82·0 Milliwatts.

Additional Observations for Yesterday.

Stations.	Rainfall.	Temperature. In Screen. Max.	Temperature. In Screen. Min.	Temperature. Night Min. on Grass.	Weather. Night.	Weather. Forenoon.	Weather. Afternoon.	Sunshine for Yesterday.
	mm. §	° F.	° F.	° F.				Hr.
Dublin to 4 p.m.	trace	52	38	36	bc	c·oph	c·oph	*
Plymouth to 9 p.m.								
Darwen "								
Manchester "				*				
Birmingham "	1	58	40	33	r	c	o	3·4
Oxford to 8 p.m.	*	57	45	44	o·b·bc	bc·c·o	o·p·c	*
S. Kensington (Museum Grounds to 6 p.m.)	1	57	47	47	o·r·c	c·p·d	o·d·o·c	*

Table showing the Greenwich Times of Sunrise, Noon and Sunset for Stations in the United Kingdom To-day and To-morrow.

25th & 26th May, 1914.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth	3·46 3·45	11·50 11·50	7·54 7·56
Greenwich	3·58 3·57	11·59 11·59	7·56 7·57
Wick	3·29 3·28	12·9 12·9	8·49 8·51
Valencia	4·37 4·36	12·38 12·38	8·39 8·40

NOTES ON YESTERDAY'S WEATHER.

Temperature remained below 50° at many of our northern stations, and comparatively few places exceeded 55°. In the night frost occurred in the north of Scotland and in Central Ireland. Showers occurred in many localities. The duration of bright sunshine was exceedingly variable, from ½ hour at Malvern and Hastings to 13 ½ hrs. at Newquay. As far west as the 20th meridian ships experienced light to fresh Northerly winds and fair to fine 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. Single copies 1d. at M.O. and at the bookstalls at certain Railway Termini in London.

§ 1 m.m. is approximately 4 hundredths of an inch. ‡ The barometric change is expressed in half-millibars.

Printed at the Meteorological Office, South Kensington, London, S.W. By Wyman & Sons Ltd., Fetter Lane, London, E.C., and Reading.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

Tuesday, 26th May, 1914.

	STATIONS.	YESTERDAY EVENING. Barom. Millibars at M.S.L.	Temp.	Wind Direc.	Wind Force 0-12.	Weather.	THIS MORNING 7 A.M., G.M.T. Barometer. Millibars at M.S.L.	Barometer. Change in 3 hours.	Temp. Dry Bulb.	Temp. Change in 24 hours.	Wind Direc.	Wind Force 0-12.	Direc. of Upper Cloud.	Weather.	Sea 0-9.	PAST 24 HOURS. Rainfall. Millimetres.	Temp. Max.	Temp. Min.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Sunshine for Yesterday.
			°F.					‡	°F.	°F.							°F.	°F.				Hours.
BRITISH ISLANDS.	Lerwick ...	1024·2	46	SW	4	cq	1025·1	+2	42	−2	NW	4	NW	bc	3	3	49	37	c.bc	bc.cq	cl.bc.	*
	Stornoway ...	1024·8	47	SW	5	cq	1025·0	0	49	+5	WSW	3	SW	o	3	1	50	44	bc.c	o.c.cqp	o	5·7
	Castlebay (Barra Isd.)	1024·7	48	SSW	4	o	1024·5	0	49	+4	SSE	1	–	c	2	–	50	45	bc	bc.o	o.c.	10·3
	Glasgow ...	1025·6	49	WNW	2	c	1025·5	0	46	+4	W	1	N	c	*	trace	50	37	c.o	cp.o	c.b.bc.c	3·0
	Eskdalemuir ...	1026·4	46	W	2	o	1026·0	0	43	+1	–	0	NW	b	*	–	49	29	bc,o	bar.c	c	3·9
	Malin Head ...	1025·9	49	E	1	b	1024·6	0	48	+6	S	1	–	oz	1	–	51	41	bcv	bcv	oz	*
	Blacksod Point	1025·3	50	SSW	2	cv	1023·6	0	49	+3	WSW	3	W	om	3	–	52	44	bcv	cv	ov.om	*
	Valencia ...	1025·0	51	S	2	c	1024·4	0	50	+5	SSE	1	–	om	3	trace	53	45	c	c	cp	4·7
	Roche's Point	1026·4	52	S	3	bc	1025·4	*	46	+2	NW	1	N	c	1	trace	54	43	t.bc	bc	bc.cm	*
	Birr Castle ...	1024·7	57	W	1	bc	1024·7	*	47	+12	SSW	1	–	c	*	–	58	35	b	b	c	12·4
	Donaghadee ...	1025·7	48	SE	3	bc	1025·6	0	48	+3	SSW	1	–	cz	2	–	52	45	bz	bc	bz.cz	*
	Liverpool (Bidston)	1025·7	50	NE	1	o	1024·9	0	43	−1	SE	1	–	b	1	–	52	40	bcz	bcm	cm	5·2
	Holyhead ...	1027·3	52	NE	3	bcz	1025·9	0	47	+2	ENE	2	–	bz	1	–	55	39	c.o.cpc	bc.o.cz	c.bc.b.	8·8
	Pembroke (St. Ann's)	1025·1	50	N	3	b	1025·3	−1	44	−2	ENE	1	–	bm	1	–	54	40	b	b	b	9·2
	Newquay ...	1024·4	51	N	3	bc	1023·8	+1	50	+2	–	0	–	bc	2	–	53	36	bv	bv	b	11·7
	Scilly (St. Mary's)	1025·2	52	N	2	bc	1023·8	0	50	+1	NNE	3	–	bm	3	–	55	42	bc	bc	bc	12·4
	Jersey (St. Aubin)	1023·4	56	NE	4	bc	1022·4	*	49	−2	NE	4	–	b	3	–	58	46	b	b	o.b.	12·5
	Portland Bill ...	1024·4	49	?NNE	2	c	1024·0	+1	44	−2	NE	4	–	b	3	3	55	42	c	cp	c.b.	*
	Dungeness ...	1023·3	?50	NNE	5	bc	1021·0	−1	47	−2	NNW	4		bc	4	–	54	41	bc	bc	c.bc.	*
	Dover	1023·6	47	NNE	5	b	1021·6	*	45	−4	N	6	NE	bc	4	trace	53	40	b	b	bc	12·1
	Wick	1027·3	47	SSW	1	bc	?1026·3	+1	46	+4	SW	1	–	o	2	–	49	38	cp.b	bc	om.o	*
	Nairn	1024·5	52	–	0	cq	1024·9	*	46	+5	W	1	–	bc	1	–	56	36	b.bc	bc	bc	9·9
	Aberdeen ...	1026·0	47	S	3	b	1024·6	0	48	+5	NW	3	–	b	2	–	51	39	b	b	bc.b.	14·3
	Leith	1025·5	50	SW	1	c	1028·5	0	46	+1	NW	3	N	bc	*	–	52	40	bc	bc.c	o.c.	*
	North Shields ...	1027·3	46	ESE	3	b	1025·3	−1	44	+1	WNW	2	–	m	1	–	50	37	b	b	bm	12·8
	Spurn Head ...	1025·4	48	NE	5	bc	1023·7	−2	46	0	N	5	NE	bcv	4	–	51	41	bcv	bcv	bcv	14·5
	Yarmouth ...	1025·1	46	NNE	3	or	1021·8	0	47	?	N	4	N	bcp	2	1	53	43	bc	bcs	c.bcp	10·0
	Clacton-on-Sea	1023·7	49	NE	4	cv	1021·7	−1	46	−1	N	4	N	bc	3	–	52	41	bc.c	cv	cv.bc.	7·2
	Nottingham ...	1025·8	48	NE	2	b	1024·9	*	44	−1	N	2	–	bm	*	trace	51	33	bcp	c.b.	b	10·5
	Bath	1024·7	52	E	3	c	1025·0	*	46	−1	E	4	E	b	*	–	55	46	o.c	o.c	c.o.bc.b.	6·0
	London (Kew Obsy.)	1024·3	51	N	4	b	1023·2	0	44	−2	NNE	4	NE	c	*	–	53	36	c	c.bc.c	b.bc.c	6·0
ICELAND, FAEROE, &c.	Spitzbergen ...	1011·0	31	–	0	s	1013·7	+3	34	−1	S	1	–	o	*	*	35	27				
	Isafjord... ...	1022·6	41	SW	4	c	1011·9	−8	46	+12	SW	8	–	o	*	*	*	*				
	Reykjavik ...	1023·5	48	–	0	o	1017·5	−4	42	+1	E	6	–	o	*	*	*	*				
	Vestmanna ...	1023·0	45	SE	4	c	1019·9	−2	42	+2	ESE	5	–	r	2	*	*	*				
	Seydisfjord ...	1025·7	41	NNW	3	b	1022·0	−5	33	−3	–	0	–	c	*	*	*	*				
	Thorshavn ...	1021·2	44	N	3	c	1026·9	+2	37	−6	–	0	–	o	*	*	*	*				
NORTHERN EUROPE.	Vardö	1017·7	37	W	2	b	1019·8	0	41	0	SW	2	–	b	2	*	41	36				
	Bodö	1018·3	43	SW	4	c	1015·0	−3	46	+9	SSE	4	–	c	2	–	46	36				
	Christiansund	1021·0	46	W	4	b	1020·6	+2	41	−2	WNW	4	–	o	3	–	46	41				
	Skudesnaes ..	1023·5	45	N	5	b	1021·7	0	46	+3	NE	1	–	b	1	–	48	43				
	Færder (X'iania Fjord)	1021·2	54	–	0	o	1019·9	0	52	+7	NE	1	–	b	1	–	54	45				
	The Scaw (Skagen)	1019·0	55	NE	4	c	1018·7	+1	52	+2	ENE	1	E	b	*	–	61	48				
	Blaavands Huk	1017·7	50	NNW	4	c	1017·2	0	50	+2	ENE	2	E	c	3	trace	52	43				
	Haparanda ...	1021·2	45	SW	2	b	?	0	41	0	SW	4	SW	b	*	trace	48	37				
	Hernösand ...	1024·4	46	S	2	b	1023·4	−2	45	0	N	2	–	bc	*	–	52	34				
	Stockholm ...	1022·0	45	NE	4	o	1016·7	−2	41	−7	NNE	6	–	r	*	11	54	39				
	Wisby	1019·7	43	NE	6	r	1011·9	−3	46	0	NNE	2	–	f	*	8	52	41				
	Karlstad	1021·3	55	E	1	o	1019·7	0	46	0	ENE	4	–	bc	*	–	59	41				
	St. Petersburg	1021·7	52	E	1	o	1021·0	0	48	−11	N	4	–	b	*	–	64	46				
CENTRAL EUROPE.	Berlin	1014·7	48	N	4	o	1014·7	−1	48	0	N	1	–	o	*	24	63	46				
	Frankfurt... ...	1018·6	43	NE	3	o	1012·2	?−3	45	0	NE	3	–	r	*	8	54	39				
	Munich	1012·7	54	NW	4	o	1007·1	−4	50	−7	S	2	–	f	*	trace	63	45				
	Vienna	1010·7	64	SSE	2	bc	1012·2	+1	59	0	ESE	1	–	o	*	–	70	55				
	Cuxhaven ...	1017·5	52	N	4	o	1015·8	−1	54	+6	N	3	–	o	0	–	55	50				
	The Helder ...	1021·7	48	N	4	c	1018·9	−2	50	+5	N	6	–	c	3	1	50	45				
	Brussels	*	*	*	*	*	1017·2	−1	46	0	NNE	1	–	o	*	–	54	41				
FRANCE.	C. Gris Nez ...	1022·0	48	NNE	5	b	1019·4	−1	47	−2	NNE	6	*	c	6	1	55	45				
	La Hève	1023·0	?	NE	3	bc	1020·6	*	44	−3	NE	4	*	o	4	–	55	39				
	Ushant	1024·8	50	NNE	2	c	1023·4	*	52	−2	NNE	2	*	c	3	–	55	46				
	Brest (St. Mathieu)	1024·4	54	N	3	c	1023·1	0	48	−2	NNE	3	*	c	1	–	61	43				
	Rochefort (Ile d'Aix)	1026·8	57	NE	6	c	1017·9	0	46	−6	NNE	5	*	o	*	–	64	45				
	Biarritz	1015·4	55	N	4	o	1017·1	0	51	−3	ENE	3	*	bc	3	1	59	48				
	Paris	1019·1	50	NNE	3	c	1017·3	0	45	−3	N	3	–	o	*	–	57	43				
	Belfort	1013·9	45	ENE	7	o	1010·6	*	41	−9	ENE	3	*	r	*	2	55	40				
	Lyons	1010·6	52	N	3	o	1011·7	*	42	−9	NNW	2	*	r	*	9	55	41				
	Nice	1004·4	56	–	0	o	1005·3	0	55	−9	SE	6	*	o	6	52	68	52				
	Perpignan ..	1004·6	57	NW	2	r	1007·9	+2	52	−3	NW	7	NW	o	*	–	57	43				
	Sanguinaire ...	*	59	S	4	m	*	*	62	−4	SW	8	*	m	8	1	66	52				
SOUTHERN EUROPE.	Corunna (7 a.m.)	1025·5	55	NNE	4	o	1022·7	−1	57	+3	SSE	1	–	b	2	?	57	45				
	Madrid (8 a.m.) ...	1019·4	57	N	5	c	1015·4	+2	48	−4	–	0	NE	c	*	–	59	43				
	Lisbon (9 a.m.)	1019·3	57	NNE	6	b	1017·7	+1	54	−1	NNE	5	–	b	5	–	61	52				
	Gibraltar	1015·6	62	W	5	bc	1014·5	*	56	−3	NW	3	–	bc	2	–	69	55				
	Rome	1009·5	68	SE	2	o	1011·3	+3	63	−3	–	0	–	r	*	10	72	61				
	Azores (Horta, 8 a.m.)	1034·3	*	NE	4	o	1032·3	0	59	−2	NE	4	–	o	2	–	66	57				
	Madeira (Funchal)	1025·0	63	NE	4	b	1024·0	0	63	0	NE	4	–	bc	4	–	72	57				

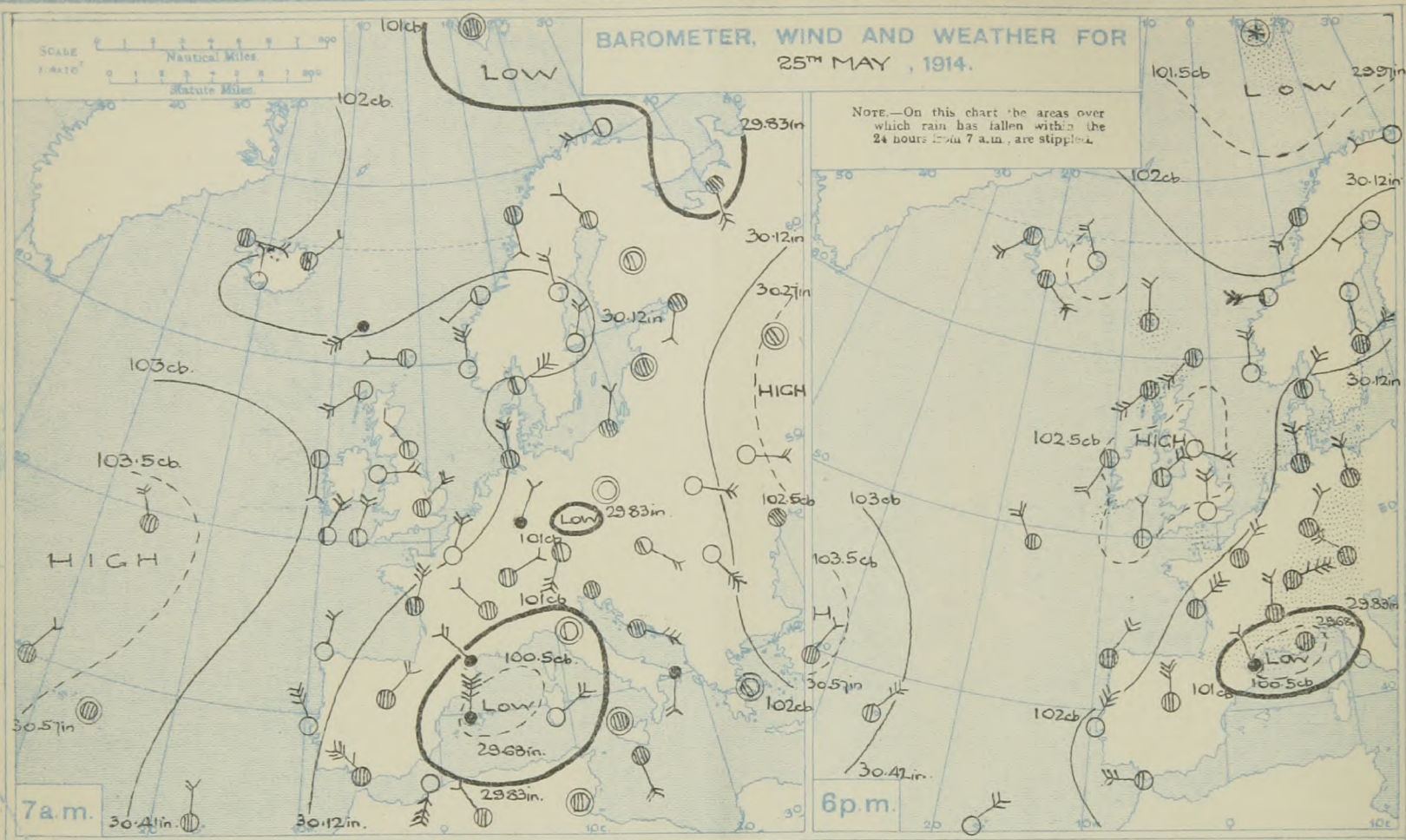
* Information for these columns not usually received. † Received too late for insertion in Charts. ‡ The barometric change is expressed in half millibars.

Equivalents of Millibars in Inches.

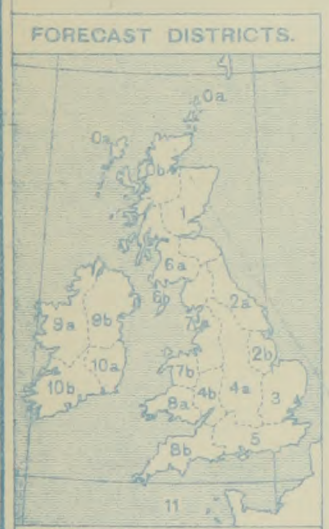
Millibars.	Inches of Mercury at 32° F. in Lat. 45.
940	27·76
950	28·05
960	28·35
970	28·65
980	28·94
990	29·24
1000	29·53
1010	29·83
1020	30·12
1030	30·42
1040	30·71
1050	31·01

1,000 millibars are equivalent to 14½ lbs. per square inch (in Lat. 45).

100 millibars to one pound and a half per square inch.



FORECASTS FOR THE 24 HOURS NOON TUESDAY TO NOON WEDNESDAY.



STORM WARNINGS.

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

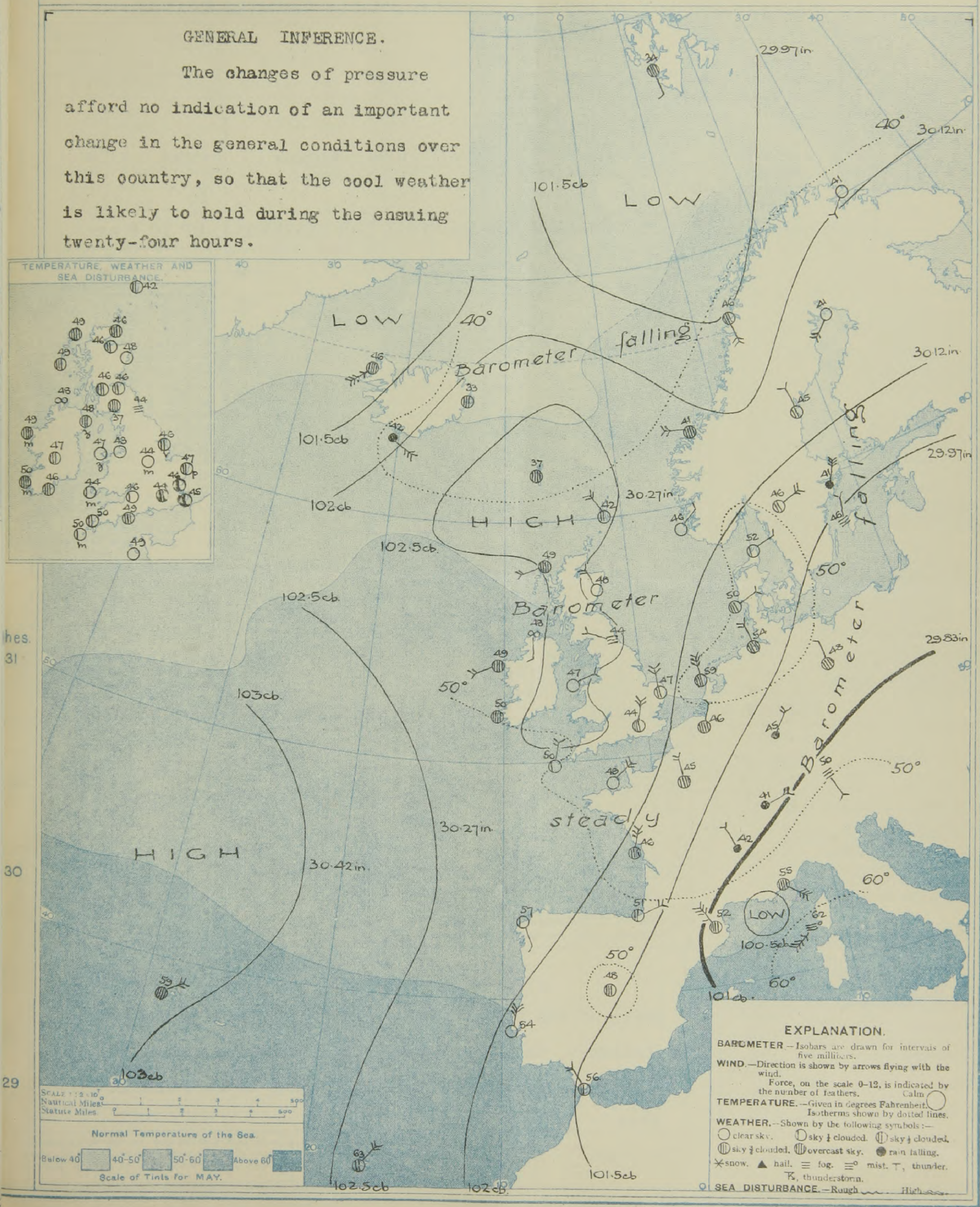
Signals hoisted yesterday.	Signals hoisted this morning.
South Cone.	South Cone.
North Cone.	North Cone.

No Warnings Issued.

0 a, b; 1	Light to variable breezes; fair to cloudy, some slight local showers; temperature cold to moderate.	
2 a, b; 3; 4 a, b; 5	Northerly and North-Easterly breezes, fresh at times; cloudy to dull, slight local showers; cold.	
6 a, b; 7 a, b	Same as Nos. 0 and 1.	
8 a, b	North-Easterly breezes, light to moderate; fine to cloudy; cold.	
9 a, b; 10 a, b	Same as Nos. 0 and 1.	
Western Channel and Bay. 11	Light to moderate North-Easterly breezes; sea smooth to moderate; cloudy; cold.	

FURTHER OUTLOOK.

SYNOPTIC CHART FOR 7 a.m., TUESDAY, 26TH MAY, 1914.



DAILY WEATHER REPORT. Tuesday, 26th May, 1914.

OBSERVATIONS from the ATLANTIC OCEAN received by RADIOTELEGRAPHY.

Date and Hour.	Position. Lat. N.	Position. Long. W.	Name of Ship.	O = Outward. H = Homeward.	Barometer. Reading	Barometer. Change in 3 hours.	Wind. Direc.	Wind. Force.	Weather.
	°	°			mb.	‡		(0–12).	
25th, 6 p.m.	49	15	Kroonland	O	1020·3	−3	NW	4-5	c
25th, 7 a.m.	50	24	Montezuma	O	1030·8	−3	W	4-5	f
" "	48	24	Arabic	H	1032·8	−3	NNW	4-5	o

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

	Stations.	Rainfall.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 6 p.m.
		mm.§	°F.	°F.			Hr.
Scotland.	Oban	–	53	36	bc.b	b	9·0
	St. Andrews	–	57	33	*	*	12·0
	Carnoustie	1	49	32	c	c	13·4
	Stonehaven	1	50	30	b	bc	13·5
Eng. N.E.	Harrogate	–	50	32	b.bc.	b.bc.b.	11·6
	Scarborough	*	53	43	c.b.	c.b.	9·9
	Skegness	trace	50	42	b	b	12·8
Eng. N.W.	Douglas (I. of M.)	5	51	40	b p.b	b	8·6
	Morecambe	–	55	38	b	b	12·4
	Blackpool	–	54	37	c.bc	bc	13·0
	Southport	1	53	39	bc.	c.op.bc.	9·7
Midlands.	Buxton	1	48	37	bc r.	bc.	6·6
	Leamington Spa	2	52	42	c.b.	c.b.	4·0
	Malvern	–	53	39	c.bc	bc.	2·0
Wales.	Rhyl	–	53	41			8·8
	Colwyn Bay	–	53	43	bc	c	10·3
	Llandudno	–	54	42	b	b	10·4
	Aberystwyth	–	51	35	o.c.	c.bc.	5·7
	Tenby	–	57	36	b	bc	7·0
	Beltws-y-Coed	2	52	40	cg	cgp.	0·8
England, E.	Lowestoft	1	49	43	bc.oph	c.op	8·3
	Felixstowe	1	52	39	bc.c	bc	7·3
	Walton-on-Naze	1	51	41	bc.cq	cq.obc.	7·1
	Southend-on-Sea	–	53	38	b.bc.	bc.o.bc.	7·0

	Stations.	Rainfall.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 6 p.m.
		mm.§	°F.	°F.			Hr.
England, S.E.	Margate	–	50	45	b.bc.b.	b	11·9
	Ramsgate	1	51	43	b	b	12·0
	Folkestone	1	52	42	bc.b.	b.bc	10·8
	Hythe	1	54	40	b	b	9·5
	Littlestone	*	*	*	*	*	10·6
	Hastings	–	54	40	bc.b.	b.bc.o.	8·1
	Bexhill-on-Sea	trace	54	40	bc	o	6·9
	Eastbourne	1	54	40	bc.o.	bc.o.c.	5·8
	Seaford	–	56	40	b	bp.b.	8·9
	Brighton	–	57	40	bc	c.bc.	10·5
	Worthing	–	59	40	bc.c.	c.bc.	9·3
	Littlehampton	–	*	*	*	*	10·3
	Bognor	–	57	40	b.bc.	c.b.	8·9
	Southsea	–	56	44	b.bc.	bc	6·6
	Ryde	–	54	45	bc	bc.	6·0
	Ventnor	–	56	43	*	*	5·1
	Bournemouth	–	55	43	bc.c	c.o.c.	5·5
England, S.W.	Weymouth	1	58	44	bc	c	2·8
	Exmouth						
	Teignmouth	3	53	44	c.op	c	0·2
	Torquay	1	51	45	o	o	0·0
	Paignton	6	52	44	hr.o	c	0·5
	Falmouth	–	56	42	bcg	cg	5·2
	Bude	–	56	45	bc.c.bc	b	9·1
	Ilfracombe	–	54	46	c.bc.	bc.b.	9·5
	Weston-super-Mare	–	56	42	b.bc.	b.bc.c	5·5

LONDON OBSERVATIONS.

Stations.	Humidity. 3 p.m. Yesterday.	Humidity. 9 a.m. To-day.	Sunshine for Yesterday.	Temperature. In Screen. Max.	Temperature. In Screen. Min.	Temperature. Min. on Grass.	Rainfall.	Weather. Forenoon.	Weather. Afternoon.	Weather. Night.
				24 Hours ended 9 a.m. To-day.						
	%	%	Hr.	°F.	°F.	°F.	mm.§			
Greenwich (Royal Obsy.)	52	70	8·3	55	39	28	–	b	bc	bc
City (Bunhill Row)	*	*	7·7	*	*	*	*	*	*	*
Westminster (St. James's Pk.)	59	65	6·5	55	40	35	–	bc	bc	o bc.
Camden Sq. (Brit. Rainfall)	55	68	6·3	58	48	44	–	c	c	*
Hampstead (Reservoir)	*	68	7·8	46	35	29	–	bc	bc.	o
Richmond Park	*	*								
Kew. (See front page.)										
S. Kensington (Roof of M.O.)	54	70	5·6							

Vertical Component of Solar Radiation per square centimetre during Yesterday.

Total.	Average Rate.	Max. Rate.
1514 Joules	2·63 Milliwatts.	83·5 Milliwatts.

Additional Observations for Yesterday.

Stations.	Rainfall.	Temperature. In Screen. Max.	Temperature. In Screen. Min.	Temperature. Night Min. on Grass.	Weather. Night.	Weather. Forenoon.	Weather. Afternoon.	Sunshine for Yesterday.
	mm.§	°F.	°F.	°F.				Hr.
Dublin to 4 p.m.	–	54	36	34	c.b.	c.b.	b.	*
Plymouth to 9 p.m.	1	54	41	35	o	c.b.	o1	1·1
Darwen "	–	51	37	35	bc	bc	bc.o	8·7
Manchester "	–	52	40	*	c	c.bc	bc.c.	3·8
Birmingham "	–	52	40	38	o	o	o	1·5
Oxford to 8 p.m.	*	54	42	39	o1o.c.	c.o.c.	c.bc	*
S. Kensington (Museum Grounds to 6 p.m.)	–	54	42	38	b.bc.c	c.o.	oc.bc	*

Table showing the Greenwich Times of Sunrise, Noon and Sunset for Stations in the United Kingdom To-day and To-morrow.

26th & 27th May, 1914.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth	3·45 3·44	11·50 11·50	7·56 7·57
Greenwich	3·57 3·56	11·57 11·57	7·57 7·58
Wick	3·28 3·26	12·9 12·9	8·51 8·53
Valencia	4·36 4·35	12·38 12·38	8·40 8·41

NOTES ON YESTERDAY'S WEATHER.

Temperature remained below 55° over nearly the whole of the British Isles, 49° or 50° at a number of stations. The duration of bright sunshine was extremely variable, from none at all at Torquay to 14 ½ hrs. at Spurn Head.

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. Single copies 1d. at M.O. and at the bookstalls at certain Railway Termini in London.

Printed at the Meteorological Office, South Kensington, London, S.W. By Wyman & Sons Ltd., Fetter Lane, London, E.C., and Reading.

§ 1 m.m. is approximately 4 hundredths of an inch. ‡ The barometric change is expressed in half-millibars.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

Wednesday, 27th May, 1914.

	STATIONS.	Yesterday Evening: Barom. Millibars at M.S.L.	Temp.	Wind: Direc.	Force 0–12.	Weather.	This Morning 7 a.m., G.M.T.: Barometer: Millibars at M.S.L.	Change in 3 hours.	Temp.: Dry Bulb.	Change in 24 hours.	Wind: Direc.	Force 0–12.	Direc. of Upper Cloud.	Weather.	Sea 0–9.	Past 24 Hours: Rainfall. Millimetres.	Temp.: Max.	Min.	Weather: Morning.	Afternoon.	Night.	Sunshine for Yesterday.
			°F.					‡	°F.	°F.							°F.	°F.				Hours.
BRITISH ISLANDS.	Lerwick ...	1027·2	43	NNE	3	c	1025·6	−2	43	+1	WNW	2	NW	bc	1	–	46	38	bc.c	c	c.bc	*
	Stornoway ...	1025·8	49	ENE	4	c	1023·9	−1	47	−2	E	2	E	b	2	–	54	37	o.c	c	bc.b	2·8
	Castlebay (Barra Isd.)	1024·6	53	WNW	3	b	1023·2	0	50	+1	SE	1	–	bc	2	–	55	44	c.bc.b	b	bc	13·5
	Glasgow ...	1023·2	60	–	0	bg	1025·2	0	46	0	ENE	1	N	b	*	–	60	41	c.bc.b	b	bc.cbw	13·4
	Eskdalemuir ...	1023·5	54	S	1	bc	1024·8	0	46	+3	NE	3	N	bc	*	–	57	36	b.o	bc.o	bg	8·4
	Malin Head ...	1024·2	51	ESE	2	b	1023·9	0	51	+3	SSW	2	–	b	1	–	55	45	bg	bg	bg	*
	Blacksod Point	1023·8	53	SW	2	bc	1024·0	0	52	+3	S	1	W	c	2	trace	54	48	om.ow	bow	cg	*
	Valencia ...	1024·0	51	S	3	om	1024·0	?	51	+1	SE	1	SW	om	3	trace	54	44	om	om	omd	0·0
	Roche's Point	1024·6	53	S	3	o	1025·0	*	50	+4	N	1	N	b	1	–	56	43	c	o	c.bg	*
	Birr Castle ...	1023·7	56	S	1	o	1024·0	*	50	+3	SSE	1	–	b	*	–	58	42	c	c.o	c.b	1·3
	Donaghadee ...	1025·0	56	SSE	2	bcg	1025·3	0	50	+2	–	0	–	bg	0	–	56	39	b.c	bg	bm.bg	*
	Liverpool (Bidston)	1024·0	51	NNW	2	c	1024·8	0	49	+6	WSW	1	–	b	2	–	55	43	b	bcm	bm	8·1
	Holyhead ...	1025·5	54	N	3	bg	1026·1	0	48	+1	ENE	2	–	bg	1	–	57	41	b.bcg	bg	bcg	14·2
	Pembroke (St. Ann's)	1024·3	51	N	3	b	1025·0	+2	45	+1	NE	2	–	bm	1	–	55	42	bm	c	bw	8·5
	Newquay ...	1022·7	52	N	4	c	1024·0	+2	50	0	N	1	–	bg	1	–	55	43	b	bw.c	b	9·5
	Scilly (St. Mary's)	1023·8	54	NNE	3	bcm	1023·9	+1	51	+1	NNE	2	–	bm	3	–	57	48	bm	bcm	bcm	10·8
	Jersey (St. Aubin)	1021·8	53	N	3	b	1022·1	*	51	+2	NE	4	–	b	3	–	56	46	c.bc	b	b	10·8
	Portland Bill ...	1022·2	52	W	3	b	1023·9	+2	46	+2	NE	3	–	b	3	–	56	40	c.bc	c.bc	c.b.	*
	Dungeness ...	1020·3	52	NNW	5	c	1022·6	+2	50	+3	NNE	4	NE	bc	3	–	55	40	bc	bc	b.bc	*
	Dover	1020·1	48	N	6	o	1021·2	*	52	+7	N	6	N	bc	6	trace	54	44	bcp.bc	c.bc.c	o.c.bc	9·4
	Wick	1027·4	44	NE	3	b	1024·6	0	45	−1	SE	1	–	b	2	–	46	31	om	om.bq	bcm.b.	*
	Nairn	1025·1	48	NE	2	c	1024·7	*	45	−1	–	0	–	bcm	1	1	58	32	bc.d	p.c	bcp	6·5
	Aberdeen ...	1025·6	46	NE	3	r	1025·2	0	44	−4	–	0	–	o	2	5	59	33	b.bc.c	op.r	cp.b.	7·4
	Leith	1023·1	55	SSE	1	b	1025·0	0	47	+1	E	2	NW	c	*	–	59	44	b	b	c.o.	*
	North Shields ...	1024·3	52	NE	2	b	1024·9	0	48	+4	NE	3	NE	bc	3	–	55	42	bc	b	bc	13·8
	Spurn Head ...	1023·7	51	NE	4	b	1023·7	0	51	+5	NNE	4	NE	b	4	–	53	42	bw	bw	bw	14·7
	Yarmouth ...	1022·0	50	N	4	bc	1021·8	0	50	+3	NNE	6	N	bcq	3	1	53	45	bc	bc	bcq	10·8
	Clacton-on-Sea	1020·6	52	NNE	4	c	1021·3	0	49	+3	N	3	N	bc	2	–	54	40	bc.cp	c	c.bc	5·0
	Nottingham ...	1023·1	52	ENE	3	b	1024·4	*	40	−4	SW	1	–	bm	*	–	55	32	o.bc	bc.b.	b	14·2
	Bath	1022·3	54	NE	3	o	1025·0	*	44	−2	N	1	–	b	*	–	58	29	b.bc.c	c.o	o.bc.bm	10·9
	London (Kew Obsy.)	1021·9	53	NNE	4	b	1024·0	+1	45	+1	N	3	–	bm	*	–	54	37	c	b.bc.b	b.bmx	7·5
ICELAND, FAEROE, &c.	Spitzbergen ...	1019·0	33	SE	3	o	1019·7	0	33	−1	–	0	–	o	*	*	41	27				
	Isafjord... ...	1008·0	47	SW	8	o	1008·7	0	41	−5	W	7	–	s	*	*	*	*				
	Reykjavik ...	1012·8	48	SW	4	o	1011·4	−1	40	−2	SSE	2	–	bc	*	*	*	*				
	Vestmanna ...	1014·6	45	S	1	b	1012·6	0	38	−4	–	0	–	bc	1	*	*	*				
	Seydisfjord ...	1014·1	50	–	0	c	1010·1	−1	46	+13	S	1	–	b	*	*	*	*				
	Thorshavn ...	1027·1	43	SSE	2	c	1021·9	−3	43	+6	S	2	–	o	*	*	*	*				
NORTHERN EUROPE.	Vardö	1018·9	43	–	0	b	1014·4	−2	45	+4	SE	1	–	b	1	*	46	32				
	Bodö	1021·6	37	W	5	c	1021·6	0	39	−7	W	4	–	bc	2	–	46	34				
	Christiansund	1023·8	45	–	0	b	1024·0	0	45	+4	ENE	1	–	b	3	–	45	37				
	Skudesnaes ..	1019·8	45	NNW	5	b	1019·5	0	50	+4	NNW	4	–	b	2	–	50	39				
	Færder (X'tania Fjord)	1017·0	54	WNW	2	b	1018·7	+2	48	−4	NNE	4	–	c	1	–	57	46				
	The Scaw (Skagen)	1017·1	55	NNW	3	b	1017·5	0	54	+2	ESE	2	NE	c	*	–	?	?				
	Blaavands Huk	1016·7	54	N	5	c	1017·9	0	50	0	WSW	3	–	b	3	–	55	45				
	Haparanda ...	1019·0	52	S	2	b	1014·0	−1	45	+4	NW	4	–	c	*	–	55	36				
	Hernösand ...	1019·1	50	S	2	b	1019·5	0	46	+1	N	4	–	b	*	–	52	37				
	Stockholm ...	1015·9	43	NE	6	o	1015·7	−2	45	+4	NNE	4	–	o	*	6	45	39				
	Wisby	1015·4	43	WSW	6	o	1013·6	0	43	−3	NNE	6	–	r	*	15	48	41				
	Karlstad	1016·4	57	–	0	b	1018·7	0	48	+2	NE	2	–	b	*	–	43	39				
	St. Petersburg	1015·5	72	S	2	b	1015·0	0	61	+13	S	1	–	c	*	–	79	50				
CENTRAL EUROPE.	Berlin	1009·6	52	N	3	o	1010·7	−2	50	+2	N	4	–	o	*	11	54	48				
	Frankfurt... ...	1011·5	50	NE	1	o									*							
	Munich	1008·2	55	NNW	5	o	1009·0	0	46	−4	NW	4	–	o	*	6	64	45				
	Vienna	1011·5	64	SSE	1	c	1010·1	?	63	+4	SE	3	–	c	*	?	?	?				
	Cuxhaven ...	1015·1	50	NE	4	o	1015·8	0	54	0	NNE	3	–	b	0	3	57	50				
	The Helder ...	1017·5	50	N	6	c	1019·0	0	50	0	N	5	5	bc	2	1	54	48				
	Brussels	*	*	*	*	*	1016·4	+1	48	+2	NNE	3	–	r	*	9	54	45				
FRANCE.	C. Gris Nez ...	1018·9	49	NNE	6	o	1019·4	+1	50	+3	NNE	6	*	bc	6	–	55	47				
	La Hève	1019·8	48	NE	4	b	1019·3	*	48	+4	NE	4	*	bc	4	–	54	43				
	Ushant	1023·4	51	NE	1	bc	1023·4	*	52	0	NNE	3	*	c	3	–	55	46				
	Brest (St. Mathieu)	1023·5	52	NNE	3	b	1023·3	0	51	+3	NNE	2	*	m	1	–	61	45				
	Rochefort (Ile d'Aix)	1018·1	53	NNE	3	o	1018·4	+1	46	0	NNE	4	*	bc	*	–	59	45				
	Biarritz	1017·6	54	NNE	3	c	1017·6	0	50	−1	SE	2	*	o	2	trace	59	48				
	Paris	1016·2	52	N	4	b	1016·3	+2	48	+3	NNE	3	–	r	*	1	55	45				
	Belfort	1012·4	44	–	0	o	1012·0	*	44	+3	–	0	*	r	*	3	46	41				
	Lyons	1014·0	42	NW	2	r	1013·9	*	42	0	NNW	2	*	r	*	11	45	41				
	Nice	1009·2	50	SW	2	r	1011·4	+2	48	−7	–	0	*	o	3	12	59	46				
	Perpignan ..	1011·9	54	NW	5	o	1014·7	+1	52	0	SW	2	–	r	*	–	59	48				
	Sanguinaire ...	*	61	SW	4	o	*	*	62	0	E	2	*	m	5	–	64	55				
SOUTHERN EUROPE.	Corunna (7 a.m.)	1021·5	59	NNE	4	c	1022·3	+1	52	−5	SSW	1	–	b	1	?	59	48				
	Madrid (8 a.m.) ...	1013·3	57	N	3	bc	1018·7	+2	46	−2	NE	1	N	b	*	–	57	32				
	Lisbon (9 a.m.)	1016·8	61	N	5	b	1016·3	+1	57	+3	NNW	4	–	b	5	–	68	54				
	Gibraltar	1015·9	59	W	4	b	1015·2	*	57	+1	W	3	–	b	1	–	71	56				
	Rome	1008·7	68	SE	2	o	1010·3	0	61	−2	NW	1	–	r	*	17	77	61				
	Azores (Horta, 8 a.m.)	1032·3	*	NNE	4	o	1032·2	+1	61	+2	NNE	3	–	c	3	2	66	59				
	Madeira (Funchal)	1022·7	61	N	3	b	1021·3	+1	64	+1	N	3	–	o	3	–	66	61				

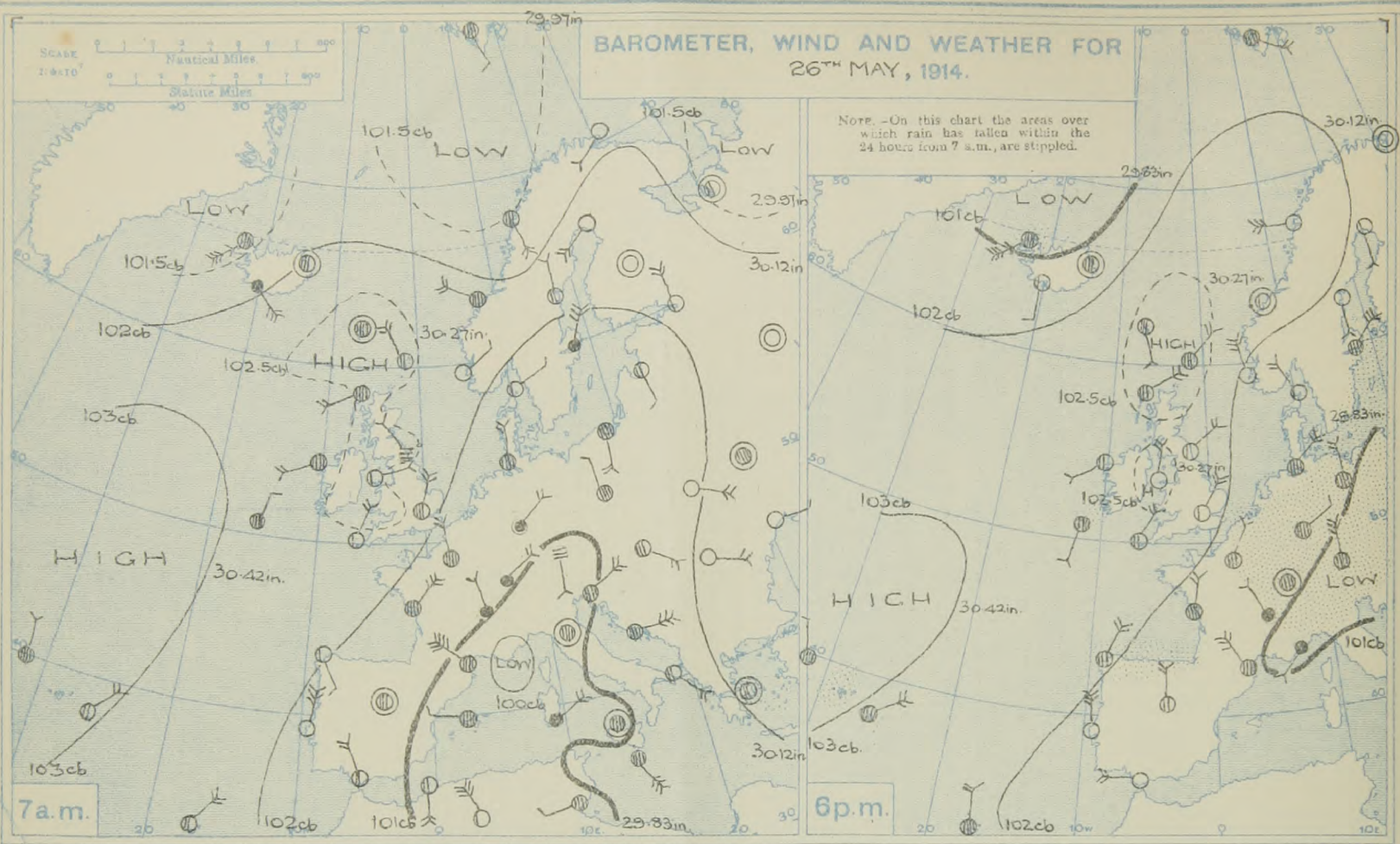
Equivalents of Millibars in Inches.

Millibars.	Inches of Mercury at 32° F. in Lat. 45.
940	27·76
950	28·05
960	28·35
970	28·65
980	28·94
990	29·24
1000	29·53
1010	29·83
1020	30·12
1030	30·42
1040	30·71
1050	31·01

1,000 millibars are equivalent to 14½ lbs. per square inch (in Lat. 45).

100 millibars to one pound and a half per square inch.

* Information for these columns not usually received. † Received too late for insertion in Charts. ‡ The barometric change is expressed in half-millibars.



FORECASTS FOR THE 24 HOURS NOON WEDNESDAY TO NOON THURSDAY.

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.

0 {a, b} 1 — Calms and light variable breezes, generally fair to fine; cold.

2 {a, b} 3 — Northerly and North-Easterly winds, light inland, fresh to strong on coast; fine generally.

4 {a, b} — Calms and light variable breezes; fine, some mist; cold, ground frost in night.

5 — Northerly winds, light inland, fresh to strong at times on coast; fair to fine, some mist; cold, ground frost night.

6 {a, b} 7 {a, b} — Same as Nos. 0 and 1.

8 {a, b} — Light Northerly to North-Easterly breezes; fine generally, some mist; cold, ground frost night.

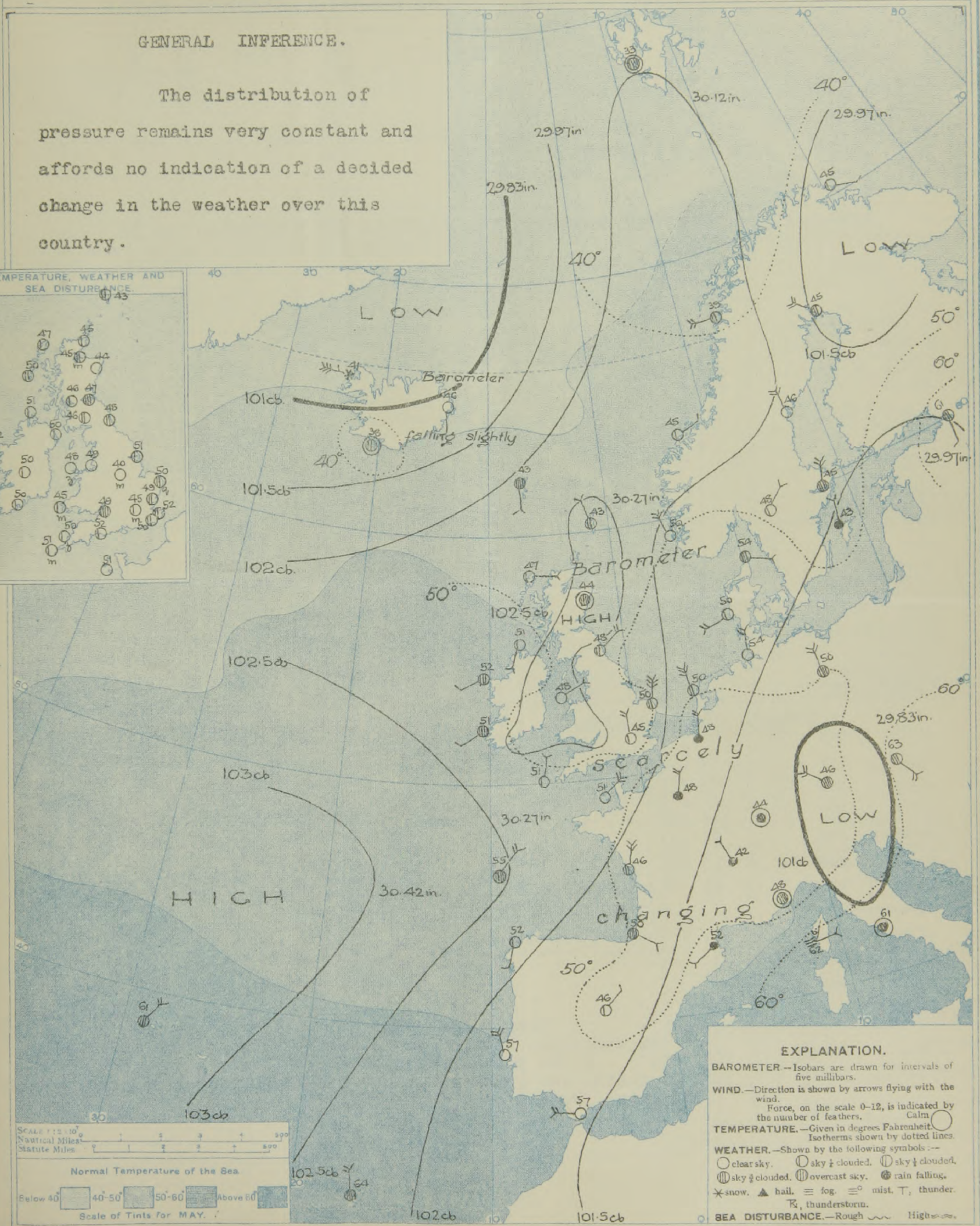
9 {a, b} 10 {a, b} — Same as Nos. 0 and 1.

Western Channel and Bay. 11 — Light North-Easterly breezes; sea slight or smooth; fair to fine; cold.

Millibars: 1050, 1040, 1030, 1020, 1010, 1000, 990, 980, 970

FURTHER OUTLOOK.

SYNOPTIC CHART FOR 7 a.m., WEDNESDAY, 27TH MAY, 1914.



DAILY WEATHER REPORT. Wednesday, 27th May, 1914.

OBSERVATIONS from the ATLANTIC OCEAN received by RADIOTELEGRAPHY.

Date and Hour.	Position. Lat. N.	Position. Long. W.	Name of Ship.	O = Outward. H = Homeward	Barometer. Reading.	Barometer. Change in 3 hours.	Wind. Direc.	Wind. Force.	Weather.
	°	°			mb.	‡		(0–12).	
27th, 7 a.m.	46°42'	9°4'	H.M.S. Dry Bulb, 55°; Wet Bulb, 50°; Sea Temperature, 56°; Sea Disturbance, 2.	H	1025·4	+5	NE	3	o
26th, 6 p.m.	51	10	Arabic	H	1023·3	o	SSW	1-3	o
26th, 7 a.m.	50	15	Arabic	H	1023·3	o	NNE	1-3	o

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

	Stations.	Rainfall.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 6 p.m.
		mm.§	°F.	°F.			Hr.
Scotland	Oban	–	56	31			13·1
Scotland	St. Andrews	–	59	36	*	*	12·2
Scotland	Cornoustie	–	54	38			12·1
Scotland	Stonehaven	–	62	36	b bc	c.o.	7·9
Eng. N.E.	Harrogate	–	54	30	b	bc c.	11·1
Eng. N.E.	Scarborough	*	63	38	c b	c b.	12·8
Eng. N.E.	Skegness	–	52	39	bcu	bc b o.	12·5
Eng. N.W.	Douglas (I. of M.)	–	55	35	b	b	10·0
Eng. N.W.	Morecambe	–	58	37	b	b	8·0
Eng. N.W.	Blackpool						
Eng. N.W.	Southport	trace	54	34	bx.c.	c op bc	7·3
Mid-lands	Buxton	–	52	28	bc	bc	7·9
Mid-lands	Leamington Spa	–	55	33	bc	bc	12·7
Mid-lands	Malvern	–	55	36	b bc.	bc.	6·0
Wales	Rhyl	–	57	34	bc	bc	11·1
Wales	Colwyn Bay	–	55	37	b	b	11·5
Wales	Llandudno	–	55	39	b	b	10·1
Wales	Aberystwyth	–	55	38	o c b.	bc o	5·5
Wales	Tenby	–	58	36	b	bc	8·5
Wales	Beltws-y-Coed	–	58	32	bc	bc.	6·5
England, E.	Lowestoft	1	52	42	c op c.	c bc.	8·5
England, E.	Felixstowe	–	53	39	bc	bc f	6·5
England, E.	Walton-on-Naze	–	52	41	op eq c	eq c o.	5·1
England, E.	Southend-on-Sea	–	56	40	b bc.	bc o bc	8·0
England, S.E.	Margate	1	52	42	bc	bc b c.	8·2
England, S.E.	Ramsgate	1	52	40	b	b	9·6
England, S.E.	Folkestone	1	53	47	bc o b.	r bc o.	9·7
England, S.E.	Hythe	1	60	41	b	b	8·0
England, S.E.	Littlestone	*	*	*	*	*	8·0
England, S.E.	Hastings	1	56	39	op bc b.	b bc	8·7
England, S.E.	Bexhill-on-Sea	1	55	38	b	bc c.	9·1
England, S.E.	Eastbourne	–	57	38	bc o.	o bc	7·8
England, S.E.	Seaford	–	57	36	o	o	8·9
England, S.E.	Brighton	–	57	37	c	c	8·4
England, S.E.	Worthing	–	62	36	c bc.	c bc	6·5
England, S.E.	Littlehampton	–	*	*	*	*	7·2
England, S.E.	Bognor	–	56	36	bc	b	7·1
England, S.E.	Southsea	–	57	38	bc	bc	7·2
England, S.E.	Ryde	–	55	40	b	b	7·5
England, S.E.	Ventnor	–	56	38	*	*	10·1
England, S.E.	Bournemouth	–	58	33	b	b	13·2
England, S.W.	Weymouth	–	61	38	bc b	bz	12·8
England, S.W.	Exmouth	–	58	40	bc b	b	10·5
England, S.W.	Teignmouth	–	57	43	bc b.	bc	10·6
England, S.W.	Torquay	–	56	41	b	bc c o	10·3
England, S.W.	Paignton	–	56	42	b	b bc c.	9·6
England, S.W.	Falmouth	–	57	40	bc eq	eq c.	7·1
England, S.W.	Bude	–	56	35	w bc	bc c bc	11·0
England, S.W.	Ilfracombe	–	56	42	b	bz	10·2
England, S.W.	Weston-super-Mare	–	57	38	b	b bc bm.	9·0

LONDON OBSERVATIONS.

Stations.	Humidity. 3 p.m. Yesterday.	Humidity. 9 a.m. To-day.	Sunshine for Yesterday.	Temperature. In Screen. Max. (24 hours ended 9 A.M. To-day)	Temperature. In Screen. Min.	Temperature. Min. on Grass.	Rainfall.	Weather. Forenoon.	Weather. Afternoon.	Weather. Night.
	%	%	Hr.	°F.	°F.	°F.	mm.§			
Greenwich (Royal Obsy.)	55	60	6·3	56	38	26	–	c o	c o	c b bc
City (Bunhill Row)	*	*	5·9	*	*	*	*	*	*	*
Westminster (St. James's Pk.)	53	62	6·2	55	41	35	–	bc ou	o bc	bc
Camden Sq. (Brit. Rainfall)	55	62	6·4	59	38	33	–	o c	c	*
Hampstead (Reservoir)	*	65	8·3	54	37	31	–	b	c	c
Richmond Park	*	*	6·8							
Kew. (See front page.)										
S. Kensington (Roof of M.O.)	52	?	6·5							

Vertical Component of Solar Radiation per square centimetre during Yesterday.

Total.	Average Rate.	Max. Rate.
1555 Joules	27·0 Milliwatts.	91·0 Milliwatts.

Additional Observations for Yesterday.

Stations.	Rainfall.	Temperature. In Screen. Max.	Temperature. In Screen. Min.	Temperature. Night Min. on Grass.	Weather. Night.	Weather. Forenoon.	Weather. Afternoon.	Sunshine for Yesterday.
	mm.§	°F.	°F.	°F.				Hr.
Dublin to 4 p.m.	–	58	42	40	bc o	o c.	bc.	*
Plymouth to 9 p.m.	–	56	39	30	o	c b.	c b.	6·7
Darwen "	–	55	34	33	bew	bc o.	u bc	5·8
Manchester "	–	55	34	*	c bc o	o bc	c bcc	3·4
Birmingham "	–	54	36	19	c	c	c	8·9
Oxford to 8 p.m.	*	58	32	26	bz b	b bc c.	c b.	*
S. Kensington (Museum Grounds to 6 p.m.)	–	55	40	34	c	c	c bc	*

Table showing the Greenwich Times of Sunrise, Noon and Sunset for Stations in the United Kingdom To-day and To-morrow.

27th & 28th May, 1914.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth	3·44 3·42	11·50 11·50	7·57 7·58
Greenwich	3·56 3·54	11·57 11·57	7·58 8·0
Wick	3·26 3·24	12·9 12·9	8·53 8·55
Valencia	4·35 4·34	12·38 12·38	8·41 8·42

NOTES ON YESTERDAY'S WEATHER.

Temperature rose to between 60° and 63° at a few stations, but in many localities the maxima were below 55°. A few places reported slight showers. Bright sunshine was general, and at a number of stations the records ranged from 10 hrs. to 14 ¾ hrs.

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. Single copies 1d. at M.O. and at the bookstalls at certain Railway Termini in London.

Printed at the Meteorological Office, South Kensington, London, S.W. By Wyman & Sons Ltd., Fetter Lane, London, E.C., and Reading.

§ 1 m.m. is approximately 4 hundredths of an inch. ‡ The barometric change is expressed in half-millibars.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

Thursday, 28th May, 1914.

	STATIONS.	YESTERDAY EVENING. Barom. Millibars at M.S.L.	Temp. °F.	Wind Direc.	Wind Force 0-12.	Weather.	THIS MORNING 7 A.M., G.M.T. Barometer. Millibars at M.S.L.	Change in 3 hours. ‡	Temp. Dry Bulb. °F.	Temp. Change in 24 hours. °F.	Wind Direc.	Wind Force 0-12.	Direc. of Upper Cloud.	Weather.	Sea 0-9.	PAST 24 HOURS. Rainfall. Millimetres.	Temp. Max. °F.	Temp. Min. °F.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Sunshine for Yesterday. Hours.
BRITISH ISLANDS.	Lerwick ...	1025·5	47	SSE	2	b	1018·8	−1	47	+4	SSE	3	S	c	2	–	50	42	bc	b	bc.c.	*
	Stornoway ...	1020·2	53	S	4	o	1017·9	−1	49	+2	W	3	W	odm	3	1	57	47	bc	o.c	odpm	7·0
	Castlebay (Barra Isd.)	1020·5	51	SW	4	odp	1019·2	+1	50	0	W	3	–	o	3	1	53	48	bc.o	odp	dp.d.o.	5·2
	Glasgow ...	1022·3	57	W	4	bc	1020·8	−1	50	+4	W	2	–	o	*	–	61	46	b.bc.o	c.b.bc.c	o	10·6
	Eskdalemuir ...	1021·9	58	WNW	4	c	1021·5	−1	50	+4	W	3	–	o	*	–	60	41	c.bc	c	bc.c.bc	9·2
	Malin Head ...	1022·5	55	WNW	2	c	1021·4	−2	51	0	NW	4	–	c	3	trace	58	49	bcz	cz	cm	*
	Blacksod Point	1024·4	53	WSW	3	cv	1023·8	−1	52	0	WSW	3	W	c	3	–	57	49	cg	cg.cv	c	*
	Valencia ...	1025·7	54	WSW	2	c	1026·4	0	51	0	–	0	–	om	3	–	57	50	8	o.c	om	1·7
	Roche's Point	1025·4	58	SW	3	c	1025·7	*	51	+1	NNW	1	N	o	1	trace	58	50	cz	c	c.bc.o	*
	Birr Castle ...	1022·7	61	W	2	c	1024·6	*	51	+1	W	1	W	c	*	–	61	49	c	c	c	10·1
	Donaghadee ...	1023·3	58	WSW	3	bcz	1023·0	0	52	+2	NW	2	NW	c	2	–	61	47	bcz	bcz	bcz.c.	*
	Liverpool (Bidston)	1024·2	52	W	3	b	1022·7	0	52	+3	WSW	2	W	o	2	–	58	46	b	b	bc.o.	14·1
	Holyhead ...	1025·7	52	–	0	bz	1024·1	0	53	+5	W	3	NW	bc	3	–	57	48	bz	bz	bc.c.o.c	14·2
	Pembroke (St. Ann's)	1025·2	54	NW	3	b	1025·0	+1	51	+6	WNW	2	–	bc	2	–	56	45	bm	b	bm	11·8
	Newquay ...	1024·7	56	N	2	b	1025·4	0	54	+4	NW	3	–	c	3	–	57	43	b	b	b.bc.	12·4
	Scilly (St. Mary's)	1025·2	55	S	1	b	1025·9	0	53	+2	WNW	3	N	b	3	–	59	47	bm	b	b.bc	12·6
	Jersey (St. Aubin)	1023·5	56	N	3	b	1024·6	*	55	+4	NW	3	NW	cm	3	–	59	49	b	b	bcm	13·5
	Portland Bill ...	1023·0	55	W	2	c	1023·9	+2	54	+8	NNW	2	–	b	2	–	59	45	b.bc	bc	c.bc.	*
	Dungeness ...	1022·5	53	NNE	3	b	1023·3	+1	50	0	N	2	N	b	2	–	59	37	bc.c	bc.b	b	*
	Dover	1022·5	49	NNE	4	bcv	1022·4	*	51	−1	NNE	4	–	b	2	–	57	36	bc.c.b	b	bc.bx	12·3
	Wick	1022·1	46	SE	3	bc	1017·8	−2	51	+6	WNW	1	–	o	2	–	52	45	b	b.bc	bc.om.	*
	Nairn	1020·7	52	NE	1	bcm	1018·6	*	52	+7	W	1	–	c	2	–	59	43	bm	bcm	bc.	12·5
	Aberdeen ...	1022·9	47	SSE	3	b	1019·3	−1	50	+6	–	0	–	o	2	–	52	44	b	b	b.bc.o.	14·3
	Leith	1021·2	60	W	2	c	1020·3	0	53	+6	WSW	3	W	o	*	–	60	47	c.b.	b.bc	bc.c.	*
	North Shields ...	1024·2	49	SE	3	c	1021·5	−1	50	+2	WNW	2	–	om	2	–	51	43	bc	bc	om	10·3
	Spurn Head ...	1023·7	49	NNE	3	b	1022·3	0	47	−4	SW	2	–	c	4	–	52	42	bc	b	bc	11·8
	Yarmouth ...	1023·0	49	N	2	bc	1022·7	0	46	−4	NW	2	NW	bc	1	–	55	38	bc	bc	bc	10·3
	Clacton-on-Sea	1022·0	55	NNW	3	bc	1023·0	0	48	−1	NNE	2	–	bc	0	–	59	40	bc	bc	bc.b.bc	13·9
	Nottingham ...	1023·3	54	E	2	c	1022·6	*	45	+5	WSW	1	W	cm	*	–	57	39	bc	c.og	c.b.	7·4
	Bath	1020·3	59	W	1	o	1024·4	*	51	+7	NW	1	–	m	*	–	63	37	m.b.bc.o	o.cg	o.b.bcm	12·3
	London (Kew Obsy.)	1022·8	56	N	2	b	1023·4	0	46	+1	SW	1	N	om	*	–	58	39	bm.b.bc	c.bc.b	c.bc.om	12·4
ICELAND, FAEROE, &c.	Spitzbergen ...	1019·0	33	SE	3	o	1017·3	0	34	+1	SE	4	–	bc	*	*	37	30				
	Isafjord... ...	1007·4	44	SW	3	c	1005·9	0	53	+12	–	0	–	b	*	*	*	*				
	Reykjavik ...	1009·1	45	SSW	4	c	1006·6	−2	41	+1	E	3	–	c	*	*	*	*				
	Vestmanna ...	1010·3	44	SW	3	bc	1006·3	−2	40	+2	SE	4	–	c	1	*	*	*				
	Seydisfjord ...	1010·1	44	E	2	r	1007·3	+1	42	−4	–	0	–	b	*	*	*	*				
	Thorshavn ...	1015·7	46	S	4	m	1013·2	+1	46	+3	W	3	–	c	*	*	*	*				
NORTHERN EUROPE.	Vardö	1014·6	41	SSE	2	bc	1020·2	+2	39	−6	E	2	–	o	2	*	45	39				
	Bodö	1023·3	41	W	2	bc	1023·3	0	41	+2	S	1	–	b	1	–	41	37				
	Christiansund	1021·0	46	E	4	b	1019·0	0	50	+5	–	0	–	b	3	–	50	43				
	Skudesnaes ..	1020·2	48	NNW	2	b	1020·2	+1	52	+2	–	0	–	b	1	–	57	48				
	Færder (X'iania Fjord)	1018·3	55	NW	1	b	1020·7	+2	50	+2	NE	1	–	b	1	–	55	46				
	The Scaw (Skagen)	1017·1	57	N	5	c	1020·6	+2	54	0	ESE	1	–	c	*	–	59	52				
	Blaavands Huk	1017·3	52	N	3	c	1019·3	+2	48	−2	ENE	1	–	o	1	trace	54	45				
	Haparanda ...	1013·5	46	NNW	4	b	1017·9	+3	41	−4	N	4	–	o	*	–	52	34				
	Hernösand ...	1018·7	52	NE	2	b	1021·9	+3	48	+2	WSW	2	–	b	*	–	54	37				
	Stockholm ...	1017·3	46	NNE	4	o	1020·4	+2	50	+5	NNE	4	–	b	*	–	50	36				
	Wisby	1015·0	43	NE	6	r	1017·9	+3	48	+5	NE	6	N	b	*	3	48	41				
	Karlstad	1017·6	57	–	0	b	1022·1	+3	50	+2	–	0	–	b	*	–	61	41				
	St. Petersburg	1011·9	59	–	0	o	1012·2	+2	45	−16	NNE	1	–	r	*	4	77	43				
CENTRAL EUROPE.	Berlin	1011·7	50	N	3	o	1012·2	−1	48	−2	N	3	–	o	*	10	52	46				
	Frankfurt... ...	1014·0	50	N	2	c	1016·8	+2	48		N	1	–	o	*	18	50	46				
	Munich	1012·0	52	NW	4	o	1013·6	0	45	−1	SW	5	–	r	*	16	57	43				
	Vienna	1009·1	64	SSE	3	c	1008·0	+1	55	−8	W	2	–	r	*	1	75	55				
	Cuxhaven ...	1015·9	54	N	4	o	1016·8	0	50	−4	N	2	–	o	0	–	55	48				
	The Helder ...	1020·4	48	N	4	c	1020·0	0	48	−2	NNW	4	–	c	2	–	54	46				
	Brussels	*	*	*	*	*	1021·3	+1	46	−2	NNW	1	–	o	*	trace	59	39				
FRANCE.	C. Gris Nez ...	1021·3	51	NE	3	bc	1022·4	0	50	0	NNW	3	*	bc	2	–	57	45				
	La Hève	1023·0	50	N	3	b	1023·7	*	47	−1	–	0	*	m	0	–	55	43				
	Ushant	1026·0	52	NE	2	b	1026·0	*	53	+1	NE	2	*	b	2	–	55	46				
	Brest (St. Mathieu)	1025·0	55	NE	4	b	1027·0	+2	52	+1	N	3	*	b	2	–	64	46				
	Rochefort (Ile d'Aix)	1020·2	55	NE	4	o	1024·0	+2	52	+6	NE	4	*	b	*	–	64	46				
	Biarritz	1019·0	55	N	4	c	1022·3	+2	54	+4	ENE	3	*	bc	2	–	61	48				
	Paris	1019·4	52	NE	2	o	1023·1	+2	45	−3	NNE	2	N	c	*	1	57	39				
	Belfort	1015·5	47	W	2	o	1017·9	*	46	+2	–	0	*	o	*	4	54	43				
	Lyons	1017·1	48	WNW	1	r	1019·3	*	47	+5	NNW	1	*	o	*	2	50	46				
	Nice	1013·0	51	SW	1	c	1012·4	+1	57	+9	E	2	*	c	2	–	59	45				
	Perpignan ..	1016·7	57	NW	3	o	1019·1	+3	59	+7	NW	4	–	c	*	–	63	50				
	Sanguinaire ...	*	57	W	4	m	*	*	57	−5	W	4	*	m	5	–	62	52				
SOUTHERN EUROPE.	Corunna (7 a.m.)	1023·1	57	NNE	4	b	1026·3	+2	50	−2	S	1	–	b	1	?	59	45				
	Madrid (8 a.m.) ...	1015·8	55	N	1	o	1020·3	+2	48	+2	E	3	–	c	*	trace	57	41				
	Lisbon (9 a.m.)	1015·5	64	N	4	b	1017·9	+1	55	−2	NNE	4	–	b	5	–	68	54				
	Gibraltar							*														
	Rome	?	61	–	0	b	1015·5	+2	55	−6	SW	1	–	bc	*	3	68	55				
	Azores (Horta, 8 a.m.)	1033·0	*	NNE	4	o	1033·6	0	61	0	NNE	3	–	o	2	–	66	61				
	Madeira (Funchal)	1021·1	64	NE	3	o	1022·0	+1	64	0	NE	3	–	bc	3	1	68	61				

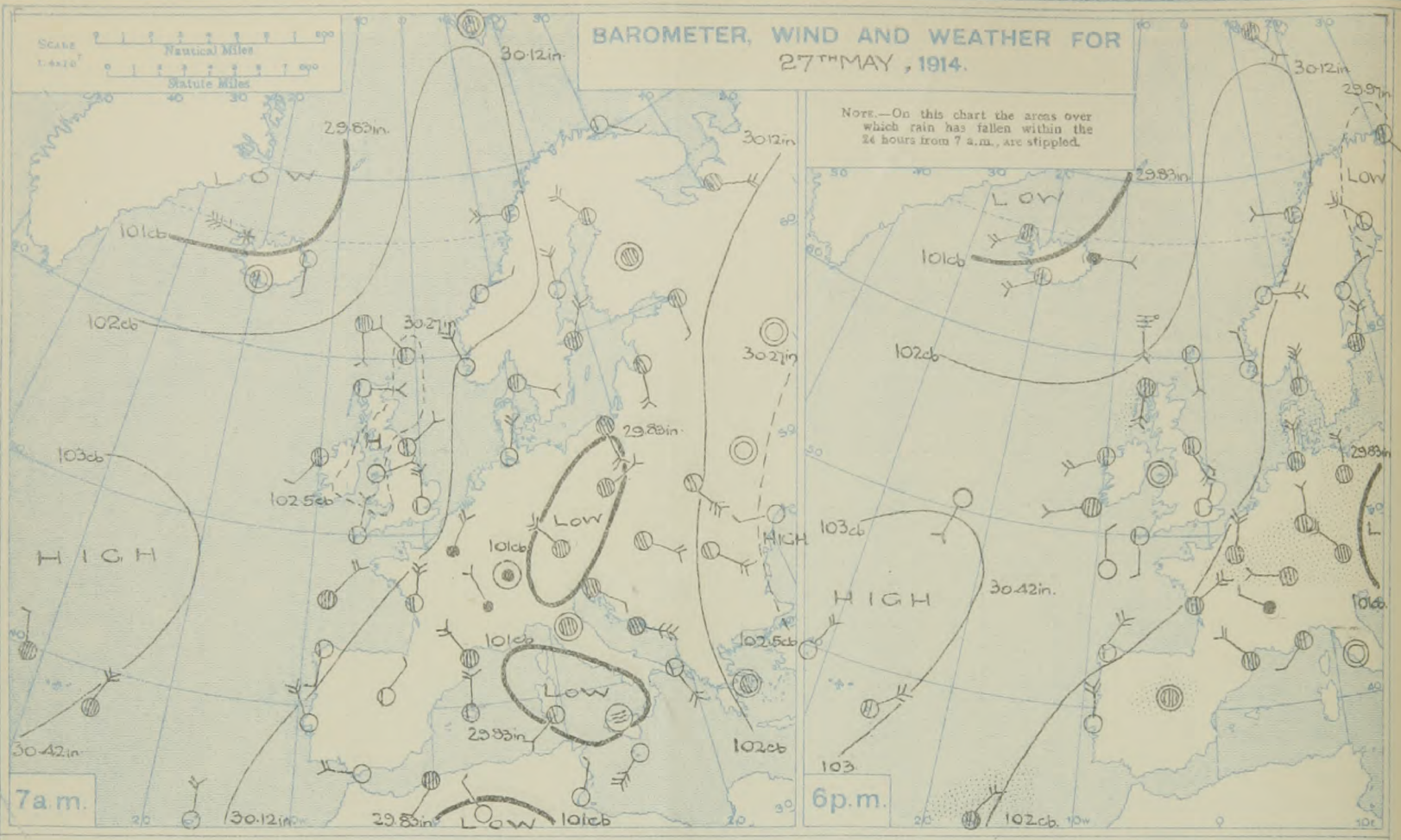
Equivalents of Millibars in Inches.

Millibars.	Inches of Mercury at 32° F. in Lat. 45.
940	27·76
950	28·05
960	28·35
970	28·65
980	28·94
990	29·24
1000	29·53
1010	29·83
1020	30·12
1030	30·42
1040	30·71
1050	31·01

1,000 millibars are equivalent to 14½ lbs. per square inch (in Lat. 45).

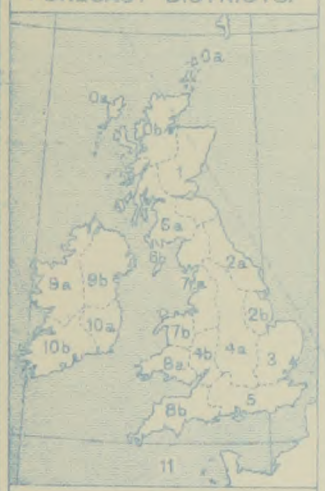
100 millibars to one pound and a half per square inch.

* Information for these columns not usually received. † Received too late for insertion in Charts. ‡ The barometric change is expressed in half-millibars.



FORECASTS FOR THE 24 HOURS NOON THURSDAY TO NOON FRIDAY.

FORECAST DISTRICTS.



STORM WARNINGS.

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

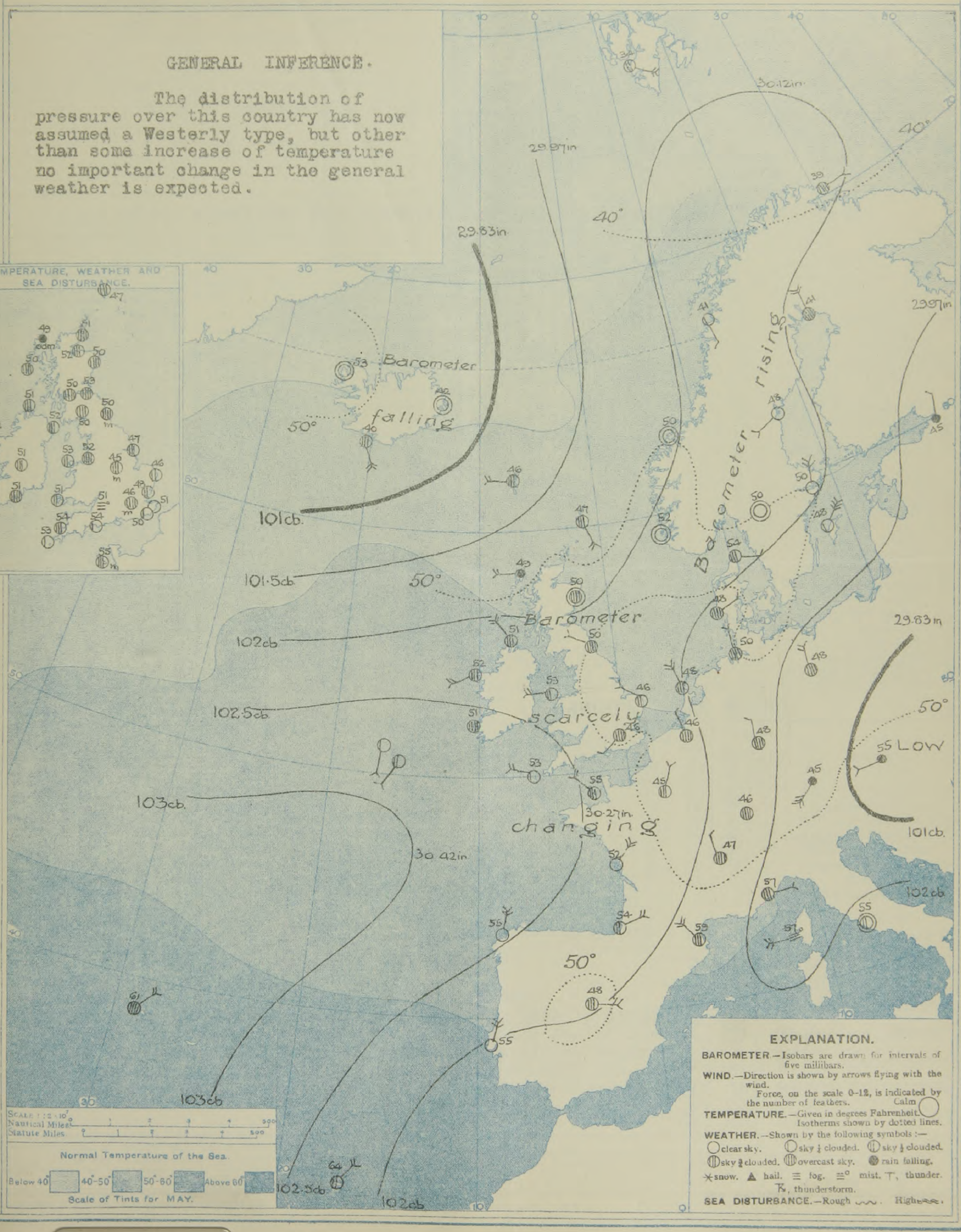
Signals hoisted yesterday.	Signals hoisted this morning.
South Cone.	South Cone.
North Cone.	North Cone.

No Warnings Issued.

0 a, b; 1	Light Westerly breezes; cloudy to fine, slight local showers; rather milder.
2 a, b; 3; 4 a, b; 5	Light breezes between North and West; fine generally, local mist; rather milder.
6 a, b	Same as Nos. 0 and 1.
7 a, b; 8 a, b; 9 a, b; 10 a, b	Same as Nos. 2 to 5.
Western Channel and Bay. 11	Light North-Westerly to Northerly breezes northern part; North-Easterly breezes southern part; sea slight or smooth; fine, local mist; rather milder.

FURTHER OUTLOOK.

SYNOPTIC CHART FOR 7 a.m., THURSDAY, 28TH MAY, 1914.



DAILY WEATHER REPORT. Thursday, 28th May, 1914.

OBSERVATIONS from the ATLANTIC OCEAN received by RADIOTELEGRAPHY.

Date and Hour.	Position. Lat. N.	Position. Long. W.	Name of Ship.	O = Outward. H = Homeward.	Barometer. Reading.	Barometer. Change in 3 hours.	Wind. Direc.	Wind. Force.	Weather.
	°	°			mb.	‡		(0–12).	
28th, 7 a.m.	51	16	Galgarian	H	1026·1	+1	SSW	1-3	b.
" "	50	16	Franconia	O	1027·7	-3	SW	1-3	bc
27th, 6 p.m.	48°56'	8°54'	H.M.S.	H	1026·4	–	N	1	b
	Dry Bulb, 60°; Wet Bulb, 52°; Sea Temperature, 57°; Sea Disturbance, 3.								
" "	51	23	Galgarian	H	1027·4	+1	SSW	1-3	b.
" "	51	11	Franconia	O	1027·7	0	WSW	1-3	0

Date and Hour.	Position. Lat. N.	Position. Long. W.	Name of Ship	O = Outward. H = Homeward.	Barometer. Reading.	Barometer. Change in 3 hours.	Wind. Direc.	Wind. Force.	Weather.
	°	°			mb.	‡		(0–12).	
27th, 6 p.m.	51	25	Royal Edward	H	1026·1	-1	SW	4-5	bc

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

	Stations.	Rainfall.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 6 p.m.
		mm.§	°F.	°F.			Hr.
Scotland	Oban	–	56	40	bbc	bc	11·2
	St. Andrews	–	59	36	*	*	7·3
	Carnoustie	–	52	42			6·4
	Stonehaven	–	52	33	cg	cg	10·0
Eng. N.E.	Harrogate	–	56	36	cbc.	bbc.	7·9
	Scarborough	*	55	44	cb.	cb.	7·4
	Skegness	–	52	36	bv	bv	9·7
Eng. N.W.	Douglas (I. of M.)	–	60	41	b	b	12·5
	Morecambe	–	59	36	b	b	13·0
	Blackpool	–	57	40	o.c.	bc	9·0
	Southport	–	58	35	b	b	12·6
Midlands	Buxton	–	53	28	bc	bc	5·2
	Leamington Spa	–	55	31	bc	cb.o	8·2
	Malvern	–	61	39	b	b	9·0
Wales	Rhyl	–	57	36	b	b	12·7
	Colwyn Bay	–	60	40	b	b	13·2
	Llandudno	–	60	40	b	b	13·5
	Aberystwyth	–	56	38	cb.	bcc	12·5
	Tenby	–	61	36	b	b	12·0
	Beddws-y-Coed	–	60	33	b	b	11·8
England, E.	Lowestoft	1	52	42	cbc.	bcc.	9·3
	Felixstowe	–	59	39	bc.	bc	13·4
	Walton-on-Naze	–	56	40	cbc.	bcb.	12·5
	Southend-on-Sea	–	60	38	b	b	14·0

	Stations.	Rainfall.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 6 p.m.
		mm.§	°F.	°F.			Hr.
England, S.E.	Margate	–	53	45			10·6
	Ramsgate	–	54	45	b	b	12·5
	Folkestone	–	56	45	bcb.	b	12·0
	Hythe	–	58	45	b	b	13·1
	Littlestone	*	*	*	*	*	11·4
	Hastings	–	60	40	b	b	11·8
	Bexhill-on-Sea	–	60	40	b	b	10·8
	Eastbourne	–	60	40	b-bc.	bcb.	11·3
	Seaford	–	63	39	o	o	11·1
	Brighton	–	63	40	c	cbc	12·6
	Worthing	–	61	39	bc	bc	12·6
	Littlehampton	–	*	*	*	*	12·1
	Bognor	–	61	39	bc	b	11·4
	Southsea	–	62	41	bc	bc	12·1
	Ryde	–	59	43	b	b	12·5
	Ventnor	–	61	39	*	*	12·9
	Bournemouth	–	63	33	b	b	12·0
England, S.W.	Weymouth	–	64	37	b	bcg	11·8
	Exmouth	–	61	40	b	b	13·6
	Teignmouth	–	62	31	b	b	13·0
	Torquay	–	62	40	b	b	12·9
	Paignton	–	61	41	b	b	12·7
	Falmouth	–	58	45	b	bv	12·0
	Bude	*	60	38	b	b	13·0
	Ilfracombe	–	57	45	b	bg	12·5
	Weston-super-Mare	–	62	36	b	bbcb.	12·0

LONDON OBSERVATIONS.

Stations.	Humidity. 3 p.m. Yesterday.	Humidity. 9 a.m. To-day.	Sunshine for Yesterday.	Temperature. In Screen. Max. (24 hours ended 9 a.m. To-day)	Temperature. In Screen. Min. (24 hours ended 9 a.m. To-day)	Temperature. Min. on Grass. (24 hours ended 9 a.m. To-day)	Rainfall. (24 hours ended 9 a.m. To-day)	Weather. Forenoon.	Weather. Afternoon.	Weather. Night.
	%	%	Hr.	°F.	°F.	°F.	mm.§			
Greenwich (Royal Obsy.)	54	66	13·5	61	38	24	–	b	b	bc.obcm
City (Bunhill Row)	*	*	12·8	*	*	*	*	*	*	*
Westminster (St. James's Pk.)	56	69	12·5	60	41	36	–	bc	bc	bc.mob
Camden Sq. (Brit. Rainfall)	55	62	11·5	64	41	39	–	c.bc	bc	
Hampstead (Reservoir)	*	64	13·7	57	42	30	–	c.bc	b	b.
Richmond Park	*	*	12·0							
Kew. (See front page.)										
S. Kensington (Roof of M.O.)	61	71	12·3							

Vertical Component of Solar Radiation per square centimetre during Yesterday.

Total.	Average Rate.	Max. Rate.
2012 Joules	34·9 Milliwatts.	90·5 Milliwatts.

Additional Observations for Yesterday.

Stations.	Rainfall.	Temperature. In Screen. Max.	Temperature. In Screen. Min.	Temperature. Night Min. on Grass.	Weather. Night.	Weather. Forenoon.	Weather. Afternoon.	Sunshine for Yesterday.
	mm.§	°F.	°F.	°F.				Hr.
Dublin to 4 p.m.	–	61	40	38	cb.	bc	bc.	*
Plymouth to 9 p.m.	–	61	42	33	bc	b	cb.	13·6
Darwen "	–	62	37	33	bc	bc	bc	10·7
Manchester "	–	61	34	*	bcg	bcg	bcbg	8·5
Birmingham "	–	58	36	18	*	c	c.o	6·1
Oxford to 8 p.m.	*	61	32	26	bc.	c	c.o.	*
S. Kensington (Museum Grounds to 6 p.m.)	–	59	40	39	bbc.	cbc.	bcb.	*

Table showing the Greenwich Times of Sunrise, Noon and Sunset for Stations in the United Kingdom To-day and To-morrow.

28th & 29th May, 1914.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth	3·42 3·41	11·50 11·50	7·58 7·59
Greenwich	3·54 3·53	11·57 11·57	8·0 8·1
Wick	3·24 3·22	12·9 12·9	8·55 8·57
Valencia	4·34 4·33	12·38 12·38	8·42 8·43

NOTES ON YESTERDAY'S WEATHER.

Temperature rose to between 60° and 64° in many parts of this country, but did not exceed 50° in Shetland, and 51° at Tynemouth. Most districts had large records of bright sunshine, exceeding 14 hours in places. As far west as the 27th meridian ships experienced light to fresh Westerly and South-Westerly breezes, and fair to fine 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. Single copies 1d. at M.O. and at the bookstalls at certain Railway Termini in London.

Printed at the Meteorological Office, South Kensington, London, S.W. By Wyman & Sons Ltd., Fetter Lane, London, E.C., and Reading.

§ 1 m.m. is approximately 4 hundredths of an inch. ‡ The barometric change is expressed in half-millibars.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

Friday, 29th May, 1914.

	STATIONS.	YESTERDAY EVENING. Barom. Millibars at M.S.L.	Temp.	Wind Direc.	Wind Force 0–12.	Weather.	THIS MORNING 7 A.M., G.M.T. Barometer. Millibars at M.S.L.	Change in 3 hours.	Temp. Dry Bulb.	Change in 24 hours	Wind Direc.	Wind Force 0–12.	Direc. of Upper Cloud.	Weather.	Sea 0–9.	PAST 24 HOURS. Rainfall. Millimetres.	Temp. Max.	Temp. Min.	Weather. Morning.	Afternoon.	Night.	Sunshine for Yesterday.
			°F.					‡	°F.	°F.							°F.	°F.				Hours.
BRITISH ISLANDS.	Lerwick ...	1016·8	48	SSW	3	om	1009·5	−2	47	0	SSE	4	–	omd	3	4	49	46	cmd	omd	ot.omd	*
	Stornoway ...	1012·5	51	SSW	7	odq	1008·2	+1	52	+3	SW	3	SW	odp	3	1	54	47	c.oq	odqp	odpq	0·3
	Castlebay (Barra Isd.)	1014·1	49	SW	5	op	1010·1	0	51	+1	WSW	4	–	otm	4	3	52	49	o	or.op	op.t.dm	0·6
	Glasgow ...	1018·6	55	WSW	2	o	1014·3	−2	49	−1	SSW	4	–	oq	*	3	57	46	o.c	o	op.o.	1·0
	Eskdalemuir ...	1020·4	54	WSW	3	o	1016·0	−2	46	−4	SSW	4	–	omd	*	2	59	45	o	o	od	1·3
	Malin Head ...	1018·0	53	WSW	5	r	1013·3	+2	52	+1	W	4	–	f	2	3	60	48	cm	omqr	fr	*
	Blacksod Point	1019·6	56	WSW	5	omqp	1015·9	0	53	+1	WSW	2	W	omd	2	3	60	51	c.bcz	bcz cm	omr	*
	Valencia ...	1024·0	59	SSW	2	c	1019·6	−1	54	+3	WSW	3	W	omd	4	trace	62	52	c	bc	om	5·7
	Roche's Point	1024·0	58	W	3	o	1020·0	*	55	+4	WSW	3	–	o	3	–	62	51	o	o	o	*
	Birr Castle ...	1021·7	61	W	4	o	1017·6	*	54	+3	W	2	W	o	*	1	67	51	c	c.o.	od.o	2·2
	Donaghadee ...	1019·7	60	SW	2	om	1016·2	−3	51	−1	SW	2	SW	orm	2	8	62	49	cz	om	omr	*
	Liverpool (Bidston)	1021·5	53	W	2	o	1018·7	−1	51	−1	SW	1	SW	r	1	2	56	50	o.c	c	op	0·7
	Holyhead ...	1022·9	54	SW	3	cqz	1019·5	−1	52	−1	SW	4	–	omr	3	1	58	51	bc.c.oz	o.c.o.cz	or.o.	1·6
	Pembroke (St. Ann's)	1023·5	53	WNW	2	c	1020·4	−3	52	+1	WSW	3	W	cqp	3	1	57	51	bc	bc	c	2·6
	Newquay ...	1023·7	55	WNW	2	o	1020·8	−1	54	0	–	0	–	o	2	0·3	59	52	bc	o	bc.op	4·7
	Scilly (St. Mary's)	1024·8	55	NW	3	c	1022·5	+1	54	+1	NW	2	NW	c	2	–	61	51	bc	bc	c	8·9
	Jersey (St. Aubin)	1023·1	56	WNW	3	om	1020·6	*	54	−1	WNW	3	–	om	3	1	61	53	bm	c.om	opm.om	7·7
	Portland Bill ...	1021·7	56	WNW	3	cr	1021·0	0	53	−1	WNW	2	NW	or	2	1	58	48	c	cp	c.or	*
	Dungeness ...	1021·6	49	NNE	2	r	1021·7	−1	51	+1	–	0	–	b	0	0·3	56	39	bc.o	or	c.b.	*
	Dover	1021·6	51	NNW	2	o	1019·4	*	53	+2	NW	3	N	b	2	?	58	38	b.bc	cd.o	o.c.bc.b	6·0
	Wick	1014·8	51	S	2	o	1009·1	0	49	−2	S	4	S	r	4	5	54	42	om	om	omq.or	*
	Nairn	1014·5	58	W	1	oq	1009·8	*	53	+1	WSW	2	–	cu	2	5	63	48	bc	eq	qu.r.	1·5
	Aberdeen ...	1016·4	58	S	3	c	1012·2	−1	50	0	SW	3	–	o	2	–	61	50	o	o.c	c.od	2·5
	Leith	1018·2	57	WSW	3	o	1014·1	−2	52	−1	SSW	3	W	o	*	2	61	49	oq	o.c	c.op	*
	North Shields ...	1020·2	52	SE	3	om	1017·4	0	53	+3	SW	2	–	om	3	–	58	49	om	om	om	0·1
	Spurn Head ...	1021·3	50	SE	3	c	1018·6	−1	51	+4	S	4	S	c	3	–	55	42	o	o.c	c	0·7
	Yarmouth ...	1021·4	52	NE	2	bc	1019·4	−1	48	+2	W	1	–	bcm	1	–	53	38	bc	bc	bc	8·5
	Clacton-on-Sea	1021·3	49	W	1	oq	1019·6	−1	50	+2	NNW	2	–	bc	0	?	53	39	bc.c.oq	oqd	oq.c.bc.	4·0
	Nottingham ...	1020·1	57	E	2	o	1019·3	*	50	+5	SW	1	W	om	*	–	62	45	cm.o	o.c	oqm	0·5
	Bath	1021·3	57	W	1	o	1021·0	*	54	+3	W	1	W	o	*	0·3	64	50	mbc.o	or	op	4·5
	London (Kew Obsy.)	1020·6	55	–	0	om	1020·1	−1	52	+6	SSW	1	W	bcm	*	0·3	61	45	omc.bcq	op.om	omr.om	2·4
ICELAND, FAEROE, &c.	Spitzbergen ...	1014·4	35	S	4	r	1013·1	−1	37	+3	–	0	–	o	*	*	37	30				
	Isafjord... ...	1002·4	43	E	6	c	988·8	−5	37	−16	–	0	–	r	*	*	*	*				
	Reykjavik ...	997·1	44	E	4	o	991·4	+4	42	+1	WSW	6	–	c	*	*	*	*				
	Vestmanna ...	994·6	43	E	9	r	993·9	+1	41	+1	WSW	5	–	c	2	*	*	*				
	Seydisfjord ...	1005·0	44	E	1	o	988·8	−1	40	−2	–	0	–	c	*	*	*	*				
	Thorshavn ...	1009·6	46	S	2	r	998·7	+1	49	+3	WSW	5	–	r	*	*	*	*				
NORTHERN EUROPE.	Vardö	1024·0	36	NE	2	o	1023·4	0	37	−2	NE	6	–	o	3	*	41	36				
	Bodö	1019·3	48	SE	1	b	1017·9	−2	50	+9	E	2	–	bc	2	–	50	37				
	Christiansund	1019·8	48	–	0	c	1016·0	−1	55	+5	–	0	–	o	3	–	50	46				
	Skudesnaes .	1021·6	50	–	0	b	1019·4	0	52	0	SSE	3	–	b	2	–	55	45				
	Færder (X'iania Fjord)	1020·7	55	WSW	1	b	1021·7	0	52	+2	SE	2	–	b	1	–	55	48				
	The Scaw (Skagen)	1020·0	59	NNW	4	b	1020·8	+1	54	0	ENE	3	–	b	*	–	59	52				
	Blaavands Huk	1019·1	55	E	2	o	1018·4	−1	54	+6	E	3	–	b	1	–	61	39				
	Haparanda ...	1022·6	54	NE	2	bc	1025·5	0	46	+5	SSW	2	N	b	*	2	55	36				
	Hernösand ...	1024·0	52	S	4	b	1025·5	0	48	0	S	4	–	b	*	–	55	36				
	Stockholm ...	1021·7	50	NE	2	b	1021·2	0	52	+2		2	–	b	*	–	54	37				
	Wisby	1019·9	46	NNE	6	b	1020·6	+2	54	+6	E	4	–	b	*	–	54	41				
	Karlstad	1020·7	63	–	0	b	1023·5	0	48	−2	E	2	–	b	*	–	64	39				
	St. Petersburg	1015·3	52	NNE	1	b	1021·6	+4	46	+1	NNE	2	–	b	*	–	59	41				
CENTRAL EUROPE.	Berlin	1009·7	50	N	3	o	1012·3	0	48	0	SW	1	–	o	*	9	54	46				
	Frankfurt... ...	1016·7	54	NW	1	c	1017·0	0	48	0	S	1	S	m	*	–	57	41				
	Munich	1017·5	45	W	4	r	1016·2	0	48	+3	E	4	W	bc	*	9	48	43				
	Vienna	1013·0	54	W	4	bc	1016·3	+1	50	−5	W	3	–	o	*	trace	66	46				
	Cuxhaven ...	1017·9	50	NE	3	o	1016·4	0	50	0	NE	2	–	o	0	–	54	48				
	The Helder ...	1019·1	52	N	4	c	1018·9	0	52	+4	NNW	1	–	bc	1	2	54	45				
	Brussels	*	*	*	*	*	1017·9	0	46	0	NW	1	–	o	*	4	59	41				
FRANCE.	C. Gris Nez ...	1020·6	48	NE	2	r	1019·4	0	53	+3	N	3	*	bc	2	–	57	45				
	La Hève	1022·3	52	NW	3	o	1019·9	*	48	+1	NE	2	*	m	2	1	59	45				
	Ushant	1025·6	55	NW	3	o	1024·2	*	55	+2	NNW	2	*	o	3	–	64	50				
	Brest (St. Mathieu)	1025·0	55	N	3	b	1023·5	0	54	+2	NW	2	*	o	2	–	64	46				
	Rochefort (Ile d'Aix)	1021·6	57	NW	4	o	1019·8	0	54	+2	N	3	*	o	*	–	64	50				
	Biarritz	1021·7	57	N	3	bc	1019·9	−2	55	+1	N	4	*	tbr	2	trace	61	48				
	Paris	1019·8	55	N	3	o	1019·3	0	48	+3	NNE	1	N	b	*	trace	61	39				
	Belfort	1019·9	46	W	2	o	1017·9	*	46	0	W	2	*	m	*	1	53	37				
	Lyons	1017·3	51	NNW	1	o	1018·6	*	46	−1	WNW	1	*	o	*	1	55	46				
	Nice	1013·1	55	W	1	c	1011·9	0	57	0	–	0	*	c	3	–	66	46				
	Perpignan ..	1017·7	63	W	3	bc	1018·1	+1	57	−2	NW	4	–	c	*	–	66	50				
	Sanguinaire ...	*	59	W	3	m	*	*	59	+2	W	2	*	m	5	–	61	52				
SOUTHERN EUROPE.	Corunna (7 a.m.)	1025·1	59	NNE	4	b	1024·3	0	54	+4	SSE	1	–	bc	1	?	61	50				
	Madrid (8 a.m.) ...	1016·6	57	E	1	o	1019·8	+1	50	+2	NE	4	–	b	*	trace	57	43				
	Lisbon (9 a.m.)	1017·3	64	N	6	b	1022·4	+2	57	+2	NE	4	NE	b	2	–	68	55				
	Gibraltar	1016·2	61	NE	4	b	1015·2	*	63	–	NW	2	–	b	5	–	71	53				
	Rome	1016·2	61	SW	1	b	1015·0	+2	54	−1	N	1	–	c	*	–	68	52				
	Azores (Horta, 8 a.m.)	1033·6	*	NNE	4	o	1032·4	0	61	0	NNE	2	–	o	1	–	68	59				
	Madeira (Funchal)	1022·4	61	NE	3	b	1022·1	+1	63	−1	NE	3	–	bc	3	–	70	59				

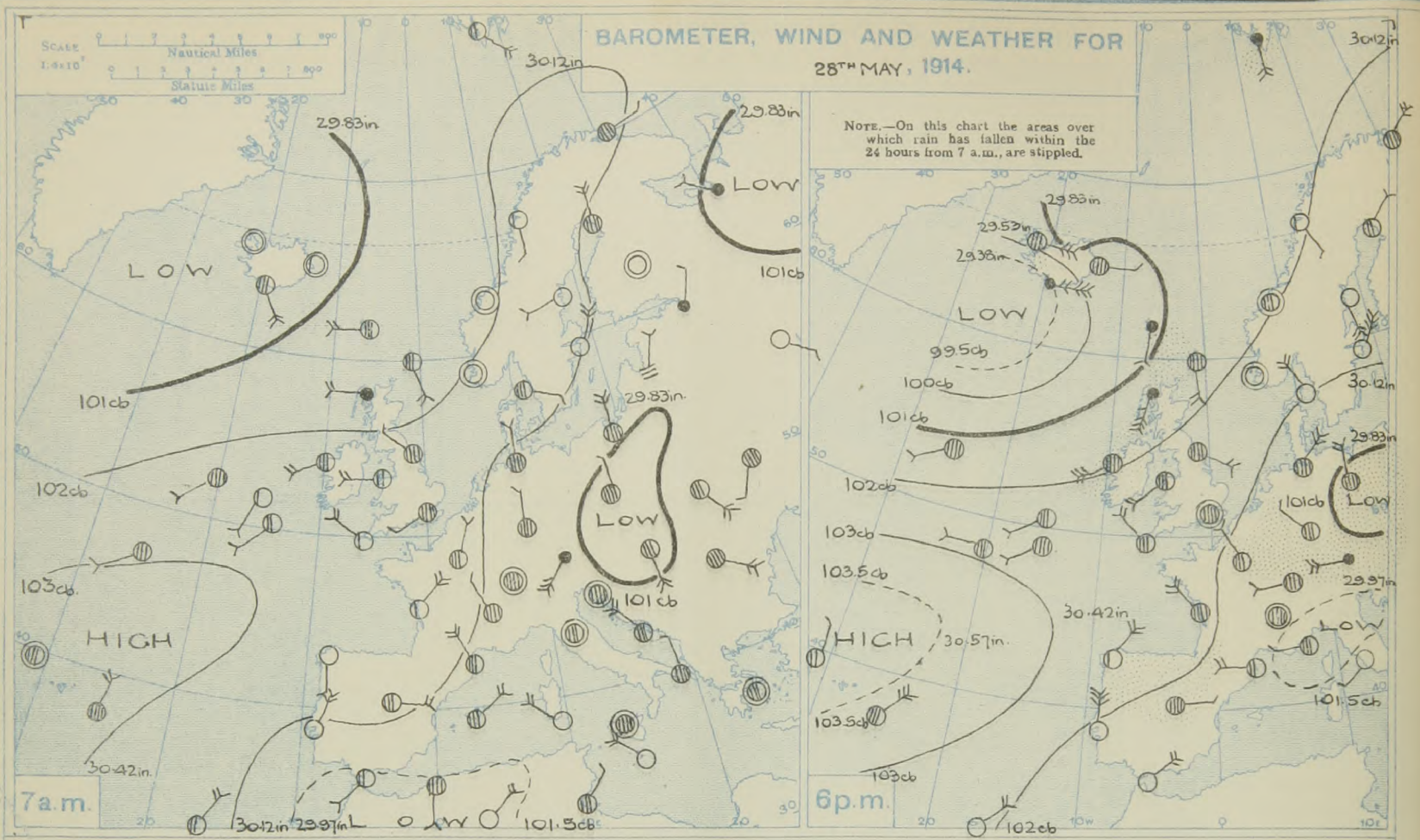
* Information for these columns not usually received. † Received too late for insertion in Charts. ‡ The barometric change is expressed in half-millibars.

Equivalents of Millibars in Inches.

Millibars.	Inches of Mercury at 32° F. in Lat. 45.
940	27·76
950	28·05
960	28·35
970	28·65
980	28·94
990	29·24
1000	29·53
1010	29·83
1020	30·12
1030	30·42
1040	30·71
1050	31·01

1,000 millibars are equivalent to 14½ lbs. per square inch (in Lat. 45).

100 millibars to one pound and a half per square inch.



FORECASTS FOR THE 24 HOURS NOON FRIDAY TO NOON SATURDAY.

STORM WARNINGS.

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

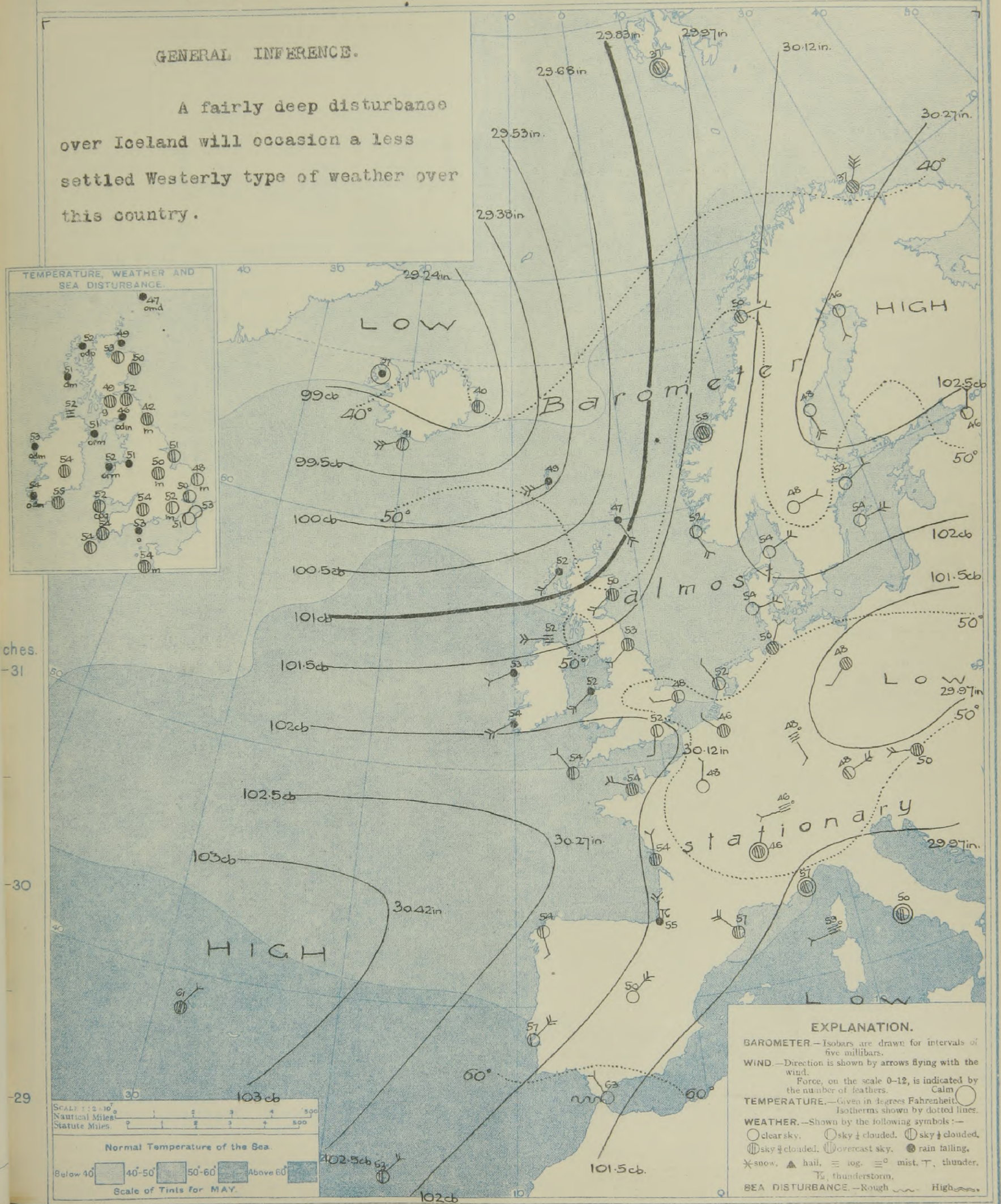
Signals hoisted yesterday.	Signals hoisted this morning.
South Cone.	South Cone.
North Cone.	North Cone.

No Warnings Issued.

0 a, b; 1; 2 a, b	Freshening winds between West and South; fair to dull and unsettled, some rain and mist; cool.
3; 4 a, b; 5	Light variable breezes, mainly Westerly; fair to dull, some rain and mist; cool.
6 a, b; 7 a, b	Same as Nos. 0 to 2.
8 a, b	Same as Nos. 3 to 5.
9 a, b; 10 a, b	Same as Nos. 0 to 2.
Western Channel and Bay. 11	Light Northerly and North-Westerly breezes; sea slight or smooth; cloudy, local showers and mist; cool.

FURTHER OUTLOOK. Changeable Weather Continuing.

SYNOPTIC CHART FOR 7 a.m., FRIDAY, 29TH MAY, 1914.



DAILY WEATHER REPORT. Friday, 29th May, 1914.

OBSERVATIONS from the ATLANTIC OCEAN received by RADIOTELEGRAPHY.

Date and Hour.	Position. Lat. N.	Position. Long. W.	Name of Ship.	O = Outward. H = Homeward	Barometer. Reading.	Barometer. Change in 3 hours.	Wind. Direc.	Wind. Force.	Weather.
	°	°			mb.	‡		(0-12).	
	49	8	New York	H	1031·1	+3	SW	1-3	c
28th, 6p.m.	53	26	Laurentic	H	1010·1	+1	WSW	1-3	o
" "	49	20	Franconia	O	1026·7	-1	SW	4-5	b
" "	48	20	Oceanic	H	1027·7	-2	W	1-3	c
" "	50	15	Royal Edward	H	1024·0	-1	SW	1-3	c
28th, 6p.m.	49	15	New York	H	1029·1	+2	SW	1-3	o
" "	51	11	Cedric	H	?	-3	SW	4-5	bc
" 7 a.m.	47	26	Oceanic	H	1027·7	-1	WSW	1-3	c
" "	51	20	Royal Edward	H	1024·7	+1	SW	1-3	o
" "	56	16	Cedric	H	?	-1	SW	1-3	bc

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

	Stations.	Rainfall.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 6 p.m.
		mm.§	°F.	°F.			Hr.
Scotland.	Oban	1	55	49	c·bc	c	0·5
	St. Andrews	–	63	43	*	*	1·2
	Stonehaven	–	58	42	cz	p.bc.c.	2·3
	Cornoustie	–	63	42			2·1
Eng. N.E.	Harrogate	–	60	39	o·c	o.c.	0·3
	Scarborough	*	56	42	o	o	0·0
	Skegness	–	52	37	o	o	1·2
Eng. N.W.	Douglas (I. of M.)	–	59	48	og	og	1·5
	Morecambe	–	60	45	o bc	bc.o.	2·3
	Blackpool	–	58	44	c.o.	bc.o.	2·8
	Southport	–	57	46	bc.c	c bc.o.	1·8
Midlands.	Buxton	–	56	34	bc	bc	1·2
	Leamington Spa	2	57	35	o.cb.o.	or	1·9
	Malvern	trace	63	46	c	c.o.	2·0
Wales.	Rhyl	–	57	40	o	o	0·1
	Colwyn Bay	–	58	50	o	o	1·0
	Llandudno	–	60	51	o	o	0·5
	Aberystwyth	–	56	38	o.c.o.	o.c.	0·2
	Tenby	–	61	34	c	o	1·4
	Beltws-y-Coed	–	61	41	c	c	0·5
England, E.	Lowestoft	–	51	36	bc.c or	o.c.bcr	7·5
	Felixstowe	trace	51	37	bc.o.	o.bc	2·6
	Walton-on-Naze	trace	51	38	op.o.	op.o.	3·8
	Southend-on-Sea	–	57	42	bc.b.o.	or d	3·5
England, S.E.	Margate	–	52	46	bc	cp	3·4
	Ramsgate	–	53	39	b	o	4·7
	Folkestone	1	59	40	bc.r.	or	4·7
	Hythe	1	59	35	bc	or	3·0
	Littlestone	*	*	*	*	*	4·2
	Hastings	–	58	46	bc.o.	o	2·9
	Bexhill-on-Sea	–	56	43	b	opm.	2·7
	Eastbourne	–	62	40	og	ou	1·6
	Seaford	–	62	38	o	bc	4·5
	Brighton	–	62	40	o.c.	c.o.	5·4
	Worthing	–	65	38	b.bc	c.o.	5·2
	Littlehampton	–	*	*	*	*	6·2
	Bognor	–	65	39	bc	bc	5·8
	Southsea	trace	64	41	b bc.	c or	6·3
	Ryde	trace	63	43	b.bc	c.	5·5
	Ventnor	–	64	46	*	*	7·1
	Bournemouth	–	64	42	bc.c.	or	5·6
England, S.W.	Weymouth	1	63	46	bc	cp.o.	4·6
	Exmouth	–	59	46	b	bc.b.	5·2
	Teignmouth	–	65	47	bc	bc	4·7
	Torquay	–	65	46	bc	c.o	6·8
	Paignton	–	66	43	bc	bc.	6·6
	Falmouth	–	64	46	bc.oc b.	bc.o	8·3
	Bude	–	60	38	o.bc.o.	o	1·8
	Ilfracombe	–	57	46	o	o	1·6
	Weston-super-Mare	–	59	49	b bc	bc.cd	3·5

LONDON OBSERVATIONS.

Stations.	Humidity. 3 p.m. Yesterday.	Humidity. 9 a.m. To-day.	Sunshine for Yesterday.	Temperature. In Screen. Max. (24 hours ended 9 a.m. To-day)	Temperature. In Screen. Min.	Temperature. Min. on Grass.	Rainfall.	Weather. Forenoon.	Weather. Afternoon.	Weather. Night.
	%	%	Hr.	°F.	°F.	°F.	mm.§			
Greenwich (Royal Obsy.)	71	71	1·4	62	46	44	–	bc	o.od	od. bc
City (Bunhill Row)	*	*	1·3	*	*	*	*	*	*	*
Westminster (St. James's Pk.)	66	75	1·6	62	50	43	–	bc.	od	om
Camden Sq. (Brit. Rainfall)	69	74	2·0	64	49	48	–	b.c.	o	*
Hampstead (Reservoir)	*	77	2·3	60	47	46	trace	or.o	o	o
Richmond Park	*	*	2·3							
Kew. (See front page.)										
S. Kensington (Roof of M.O.)	62	78	2·0							

Vertical Component of Solar Radiation per square centimetre during Yesterday.

Total.	Average Rate.	Max. Rate.
940 joules	16·2 Milliwatts.	80·0 Milliwatts.

Additional Observations for Yesterday.

Stations.	Rainfall.	Temperature. In Screen. Max.	Temperature. In Screen. Min.	Temperature. Night Min. on Grass.	Weather. Night.	Weather. Forenoon.	Weather. Afternoon.	Sunshine for Yesterday.
	mm.§	°F.	°F.	°F.				Hr.
Dublin to 4 p.m.	–	67	51	50	c.o.	o cz	c.o	*
Plymouth to 9 p.m.	–	64	45	41	or	c.b.	c.b.	7·2
Darwen "	–	60	44	41	bc.ou	ou	bc.o.	1·5
Manchester "	–	60	40	*	bc.o.	o.c.	bc.c.	1·2
Birmingham "	1	61	42	22	*	c.o.	o.or	2·0
Oxford to 8 p.m.	*	61	37	32	cz.b.	bc.o.	o.or	*
S. Kensington (Museum Grounds to 6 p.m.)	–	62	44	34	c.odm	o.odp	od.om	*

Table showing the Greenwich Times of Sunrise, Noon and Sunset for Stations in the United Kingdom To-day and To-morrow.

29th & 30th May, 1914.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth	3·41 / 3·40	11·50 / 11·50	7·59 / 8·0
Greenwich	3·53 / 3·52	11·57 / 11·57	8·1 / 8·2
Wick	3·22 / 3·20	12·9 / 12·9	8·57 / 8·58
Valencia	4·33 / 4·32	12·38 / 12·38	8·43 / 8·44

NOTES ON YESTERDAY'S WEATHER.

Temperature varied considerably over this country. At some east coast stations it did not exceed 51°, while at Birr Castle it touched 67°. The duration of bright sunshine ranged from none at Scarborough to 9 hours at Scilly. As far west as the 27th meridian ships experienced light Westerly and South-Westerly breezes and fine to 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. Single copies 1d. at M.O. and at the bookstalls at certain Railway Termini in London.

Printed at the Meteorological Office, South Kensington, London, S.W. by Wyman & Sons Ltd., Fetter Lane, London, E.C., and Reading.

§ 1 m.m. is approximately 4 hundredths of an inch. ‡ The barometric change is expressed in half-millibars.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

Saturday, 30th May, 1914.

	STATIONS.	YESTERDAY EVENING. Barom. Millibars at M.S.L.	Temp.	Wind Direc.	Wind Force 0-12.	Weather.	THIS MORNING 7 A.M., G.M.T. Barometer. Millibars at M.S.L.	Change in 3 hours.	Temp. Dry Bulb.	Temp. Change in 24 hours.	Wind Direc.	Wind Force 0-12.	Direc. of Upper Cloud.	Weather.	Sea 0-9.	PAST 24 HOURS. Rainfall. Millimetres.	Temp. Max.	Temp. Min.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Sunshine for Yesterday.
			°F.					‡	°F.	°F.							°F.	°F.				Hours.
BRITISH ISLANDS.	Lerwick ...	1010·5	52	SSW	3	c	1013·3	+3	48	+1	SSW	3	W	c	2	2	49	45	omr	omd.c	cp.omd	*
	Stornoway ...	1012·1	51	W	3	o	1016·6	+3	49	-3	WNW	4	NW	c	3	Trace	55	46	odp	o	odp.c	0·4
	Castlebay (Barra Isd.)	1013·0	51	WNW	3	o	1017·9	+3	50	-1	WNW	3	-	o	3	0·3	53	48	dm.d	d.c.o	db.o	2·4
	Glasgow ...	1014·5	53	W	2	od	1018·2	+4	49	0	W	2	NW	c	*	Trace	54	46	og	odp	o	0·0
	Eskdalemuir ...	1014·8	51	SSW	3	ofe	1018·0	+2	49	+3	WNW	2	-	o	*	1	51	45	omd	ofe	f.b.o	0·0
	Malin Head ...	1014·5	51	W	3	o	1019·4	+3	48	-4	NNW	3	NW	o	2	1	53	46	fe	ome	ompd	*
	Blacksod Point	1016·1	54	W	2	om	1021·5	+2	50	-3	NW	2	NW	cm	2	Trace	55	47	odm.om	om	omp	*
	Valencia ...	1018·9	55	WNW	3	om	1021·7	+4	51	-3	NNW	4	NW	op	4	1	56	51	om	om	omp	0·0
	Roche's Point	1017·6	57	NE	3	o	1020·6	*	53	-2	NNW	3	-	o	2	-	60	52	oqm	og	og	*
	Birr Castle ...	1016·2	58	W	3	o	1020·6	*	50	-4	NW	2	NW	c	*	2	59	48	o	o	or.c	0·0
	Donaghadee ...	1015·2	56	W	2	om	1019·8	+4	49	-2	N	2	N	cg	2	2	57	48	odm	ompd	omp	*
	Liverpool (Bidston)	1016·2	55	-	0	o	1017·9	*	52	+1	WNW	3	NW	o	3	4	55	50	or	o	op	0·0
	Holyhead ...	1017·1	52	SW	4	fd	1019·9	+3	52	0	N	3	N	oz	2	3	53	50	op.fe	fd	ofd.om	0·0
	Pembroke (St. Ann's)	1017·6	52	W	1	f	1018·0	+2	54	+2	NNW	3	NW	omp	2	0·3	54	52	cqp	cm	f	0·1
	Newquay ...	1017·8	54	W	1	omd	1018·3	+1	54	0	NW	3	-	o	3	4	56	53	o	omr	ofq	0·0
	Scilly (St. Mary's)	1018·8	54	W	3	m	1018·7	+2	54	0	N	4	NE	o	3	5	57	52	om	omfe	fe.om	0·0
	Jersey (St. Aubin)	1022·6	55	WNW	3	o	1018·7	*	53	-1	W	2	W	o	1	Trace	61	47	om	omdow	omps	0·0
	Portland Bill ...	1018·4	53	W	3	o	1018·1	+1	53	0	-	0	S	o	1	3	56	50	no	o	or	*
	Dungeness ...	1018·1	55	SSW	2	b	1018·1	0	56	+5	-	0	-	bz	0	-	58	44	c.bc	c.bc	c.b	*
	Dover	1018·0	52	SW	2	b	1018·3	*	55	+2	SW	1	-	b	2	-	62	41	b	b	b	14·5
	Wick	1011·6	52	NW	2	r	1015·9	+3	50	+1	W	3	W	c	2	1	57	45	ormd	omd	om.c	*
	Nairn	1011·5	57	W	1	o	1016·9	*	50	-3	W	1	-	bc	2	-	61	48	og	cg	g.c	0·2
	Aberdeen ...	1011·4	61	WSW	1	o	1016·8	+3	53	+3	NW	3	SW	c	2	-	65	50	o.c	c.o	o.c	0·3
	Leith	1013·6	57	W	2	o	1017·7	+3	52	0	W	3	NW	c	*	-	60	50	o	o	o	*
	North Shields ...	1015·5	55	S	2	om	1017·2	+4	52	-1	NE	3	-	omd	2	1	55	51	omp	omp	om	0·0
	Spurn Head ...	1014·9	57	SSE	3	r	1014·9	0	54	+3	SW	1	-	of	3	Trace	58	50	c	c.op	c	4·7
	Yarmouth ...	1017·4	54	ESE	3	bc	1017·9	0	52	+4	SW	1	-	bcm	0	-	59	47	bc	bc	bc	14·3
	Clacton-on-Sea	1017·3	54	SE	3	bc	1017·6	0	55	+5	SSE	2	-	bcz	1	-	58	49	bc	bc	bczw	14·0
	Nottingham ...	1016·8	56	WSW	2	o	1017·5	*	53	+3	W	1	W	om	*	1	61	50	om.c	c.omr	om	0·5
	Bath	1017·9	55	W	1	r	1018·6	*	54	0	W	1	-	o	*	2	59	52	o	or	orgm	0·0
	London (Kew Obsy.)	1016·4	61	-	0	c	1018·1	+1	54	+2	W	1	N	cm	*	-	63	51	bcm.om	o.c	c.o.cm	1·6
ICELAND, FAEROE, &c.	Spitzbergen ...	1008·2	35	-	0	r	1004·7	-1	36	-1	-	0	-	r	*	1	37	32				
	Isafjord... ...	983·9	42	E	4	c	1002·6	+3	34	-3	W	5	-	o	*	*	*	*				
	Reykjavik ...	991·1	38	SW	8	r	1005·6	+11	38	-4	NW	4	-	bc	*	*	*	*				
	Vestmanna ...	994·4	42	SW	7	c	1004·0	+8	37	-4	NW	6	-	b	2	*	*	*				
	Seydisfjord ...	989·5	49	WSW	5	b	991·0	+7	35	-5	WSW	8	-	c	*	*	*	*				
	Thorshavn ...	1008·7	50	WSW	4	c	1005·9	+1	45	-4	WNW	5	-	c	*	*	*	*				
NORTHERN EUROPE.	Vardö	1020·2	37	SE	1	b	1015·4	-2	45	+8	SE	3	-	b	2	*	45	32				
	Bodö	1015·1	52	SE	1	bc	1007·9	-2	52	+2	SE	2	-	bc	2	3	52	48				
	Christiansund	1012·4	54	SSE	1	o	1009·2	-2	52	-3	-	0	-	o	3	Trace	55	52				
	Skudesnaes ..	1016·8	50	S	5	o	1016·3	0	55	3	S	5	-	o	4	-	55	50				
	Færder (X'iania Fjord)	1017·6	55	WNW	1	bc	1016·2	0	57	+5	S	3	W	b	1	-	57	52				
	The Scaw (Skagen)	1017·2	57	NNW	3	b	1016·0	+1	55	+1	NW	2	-	b	*	-	59	48				
	Blaavands Huk	1016·4	59	N	1	b	1016·8	+1	55	+1	SW	1	-	b	1	-	64	46				
	Haparanda ...	1021·5	46	SW	2	c	1017·1	-2	46	0	S	2	-	c	*	-	52	43				
	Hernösand ...	1020·8	48	-	0	b	1016·7	-2	50	+2	S	2	-	b	*	-	52	43				
	Stockholm ...	1020·7	50	ESE	4	b	1017·9	*	57	+5	E	2	-	b	*	-	59	39				
	Wisby	1016·4	50	ENE	4	bc	1016·3	0	57	+3	E	2	-	b	*	-	59	43				
	Karlstad	1018·4	64	-	0	b	1017·9	0	52	+4	SE	2	-	b	*	-	68	41				
	St. Petersburg	1022·4	50	ENE	1	b	1022·4	0	50	+4	-	0	N	b	*	-	54	41				
CENTRAL EUROPE.	Berlin	1014·6	50	W	3	o	1015·0	0	50	+2	W	2	-	o	*	Trace	52	48				
	Frankfurt... ...	1015·7	55	NW	1	c	1017·5	+1	50	+2	SW	1	-	m	*	-	59	48				
	Munich	1014·4	54	NE	3	c	1016·6	0	48	0	W	3	-	r	*	2	57	46				
	Vienna	1014·3	52	S	1	b	1014·7	+1	54	+4	SE	1	-	bc	*	-	63	46				
	Cuxhaven ...	1015·9	50	NE	3	o	1016·6	0	52	+2	NE	2	-	o	0	1	54	50				
	The Helder ...	1016·8	55	N	2	b	1018·0	0	54	+2	NNW	1	NE	b	0	-	57	48				
	Brussels	*	*	*	*	*	1017·9	+1	54	+8	NE	1	-	o	*	2	68	46				
FRANCE.	C. Gris Nez ...	1017·3	57	NW	2	b	1017·9	0	55	+2	NW	1	*	b	1	-	63	48				
	La Hève	1019·1	52	NW	3	o	1018·1	*	53	+5	NW	2	*	c	2	-	57	48				
	Ushant	1020·3	55	NW	3	o	1017·9	*	55	0	NW	2	*	m	3	b	63	50				
	Brest (St. Mathieu)	1022·5	54	WNW	3	r	1018·3	0	54	0	WSW	3	*	f	3	4	64	52				
	Rochefort (Ile d'Aix)	1017·2	56	NNW	5	o	1018·6	+2	54	0	N	2	*	o	*	-	61	52				
	Biarritz	1018·3	55	W	3	o	1018·9	0	53	-2	ESE	2	*	r	3	25	57	50				
	Paris	1017·5	54	NNE	1	o	1018·4	+1	52	+4	NNE	1	-	o	*	Trace	59	48				
	Belfort	1016·2	52	-	0	o	1017·5	*	48	+2	ENE	2	*	o	*	-	59	45				
	Lyons	1015·4	55	N	1	b	1015·5	*	51	+5	NNE	1	*	bc	*	-	58	44				
	Nice	1012·0	54	-	0	c	1013·2	?	57	0	-	0	*	b	4	?	66	52				
	Perpignan ..	1015·0	59	N	3	o	1015·5	+1	54	-3	NW	5	NW	c	*	-	64	50				
	Sanguinaire ...	*	57	W	1	m	*	*	57	-2	E	3	*	m	5	-	66	52				
SOUTHERN EUROPE.	Corunna (7 a.m.)	1023·5	59	NNE	5	bc	1023·4	0	57	+3	NNW	1	-	r	2	?	61	54				
	Madrid (8 a.m.) ...	1015·7	63	-	0	c	1019·5	0	54	+4	-	0	NW	b	*	-	64	34				
	Lisbon (9 a.m.)	1017·5	66	NNW	4	b	1018·4	+1	61	+4	NE	2	-	b	5	-	70	57				
	Gibraltar							*														
	Rome	1013·9	61	-	0	o	1013·0	0	57	+3	-	0	-	c	*	-	66	54				
	Azores (Horta, 8 a.m.)	1031·7	*	NNE	4	o	1030·7	0	61	0	NNE	3	W	b	2	-	68	59				
	Madeira (Funchal)	1021·6	63	NE	3	b	1021·6	+1	62	-1	NE	3	-	o	3	-	68	59				

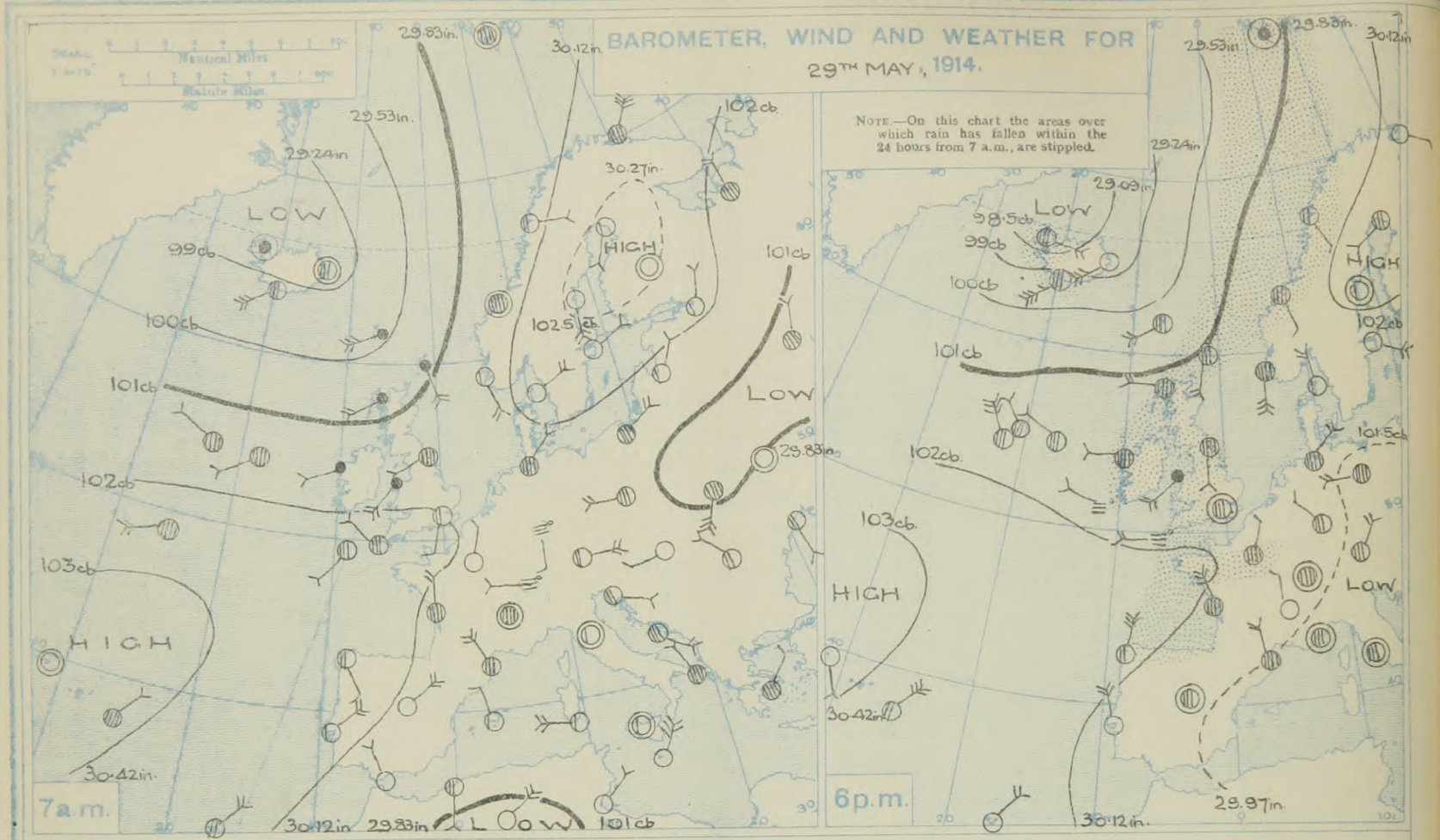
Equivalents of Millibars in Inches.

Millibars.	Inches of Mercury at 32° F. in Lat. 45.
940	27·76
950	28·05
960	28·35
970	28·65
980	28·94
990	29·24
1000	29·53
1010	29·83
1020	30·12
1030	30·42
1040	30·71
1050	31·01

1,000 millibars are equivalent to 14½ lbs. per square inch (in Lat. 45).

100 millibars to one pound and a half per square inch.

* Information for those columns not usually received. † Received too late for insertion in Charts. ‡ The barometric change is expressed in half-millibars.



FORECASTS FOR THE 24 HOURS NOON SATURDAY TO NOON SUNDAY.

STORM WARNINGS.

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

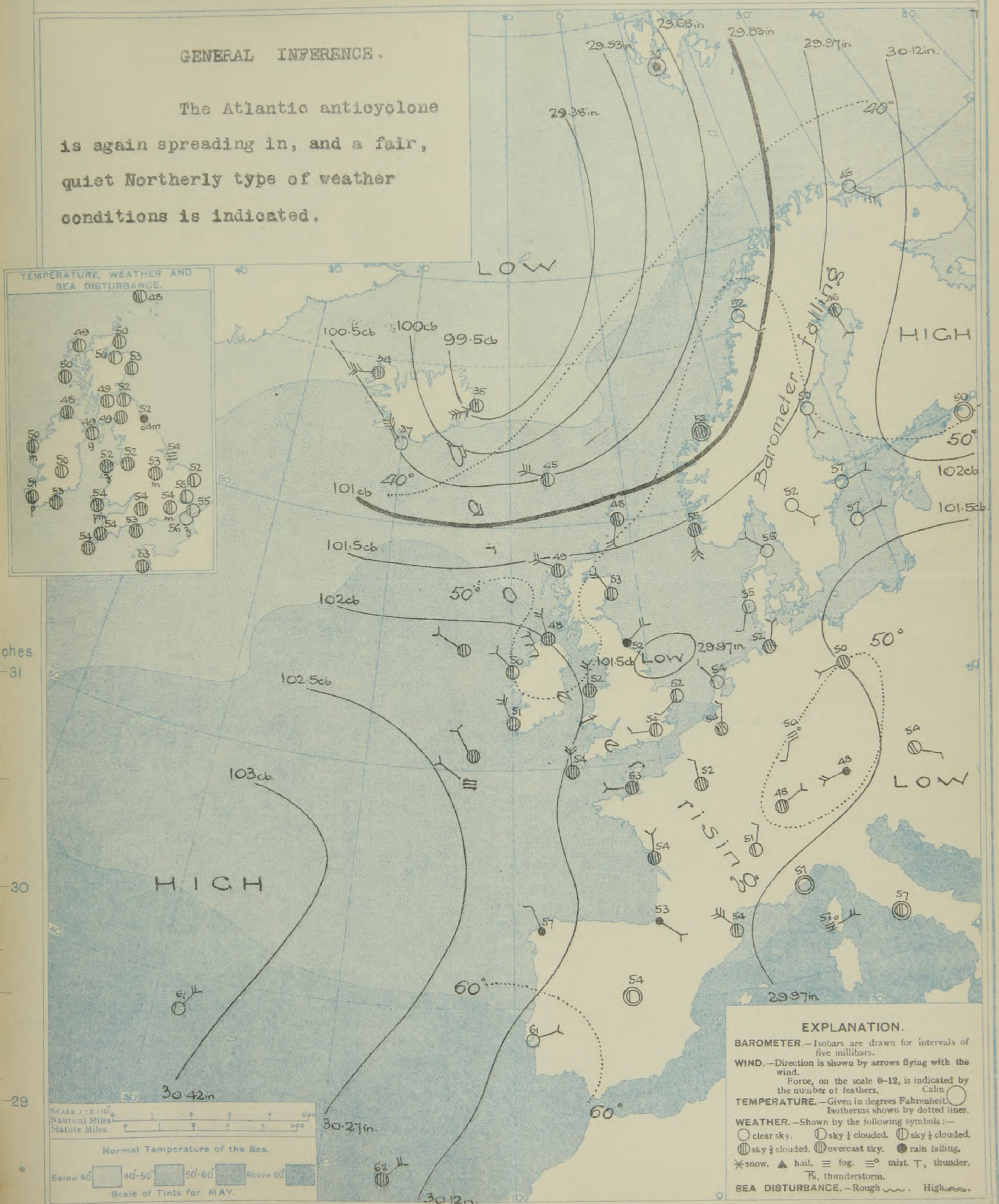
Signals hoisted yesterday.	Signals hoisted this morning.
South Cone.	South Cone.
North Cone.	North Cone.

No Warnings Issued.

0 a, b; 1	Light breezes between West and North; fair to dull, local showers; cool.
2 a, b; 3; 4 a, b; 5	Calms and light variable to Northerly breezes; fair to dull, some showers and mist; cool.
6 a, b	Same as Nos. 0 and 1.
7 a, b; 8 a, b; 9 a, b; 10 a, b	Light North-Westerly and Northerly breezes; fair to dull, some showers and mist; cool.
Western Channel and Bay. 11	Light North-Westerly and Northerly breezes; sea smooth; fair to dull, some rain, mist or fog; cool.

FURTHER OUTLOOK.

SYNOPTIC CHART FOR 7 a.m., SATURDAY, 30TH MAY, 1914.



DAILY WEATHER REPORT. Saturday, 30th May, 1914.

OBSERVATIONS from the ATLANTIC OCEAN received by RADIOTELEGRAPHY.

Date and Hour.	Position. Lat. N.	Position. Long. W.	Name of Ship.	O = Outward. H = Homeward	Barometer. Reading.	Barometer. Change in 3 hours.	Wind. Direc.	Wind. Force.	Weather.
	°	°			mb.	‡		(0-12).	
30th 7am	55	13	Hesperian	H	1024·4	+8	WNW	1-3	c
" "	50	12	Ausonia	O	1022·0	+2	NW	1-3	o
" "	49	12	Lapland	H	1024·0	-2	WNW	1-3	m
29th 6pm	54	21	Victorian	O	1013·8	-6	NW	6-7	c
" "	48	18	Lapland	H	1026·4	-1	W	4-5	o
" "	54	19	Hesperian	H	1019·9	+1	NNW	1-3	c
29th 6pm	55	16	Laurentic	H	1015·2	+3	WNW	1-3	c
" "	51	11	Adriatic	O	1019·9	+1	WNW	4-5	m
" 7am	48	25	Franconia	O	1026·7	-1	WSW	4-5	o
" "	48	23	Lapland	H	1027·4	-1	W	1-3	f
" "	54	22	Hesperian	H	1015·9	+1	WNW	1-3	o
" ?7am	54	19	Laurentic	H	1012·8	0	WSW	1-3	o

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

	Stations.	Rainfall.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 6 p.m.
		mm.§	°F.	°F.			Hr.
Scotland	Oban	5	55	47	v	o.c	0·0
	St. Andrews	4	60	48	*	*	0·2
	Stonehaven	1	61	49	og	cg	1·1
	Cornoustie	4	61	48	*	*	1·6
Eng. N.E.	Harrogate	—	54	48	o.c	o	0·0
	Scarborough	*	61	45	o.c	o.c	1·7
	Skegness	—	60	47	b.bc	c	5·6
Eng. N.W.	Douglas (I. of M.)	5	55	47	df.g	gf	0·0
	Morecambe	2	54	45	dg	dg	0·0
	Blackpool	2	55	50	or	o	0·0
	Southport	3	55	50	or	o	0·0
Midlands	Buxton	Trace	54	46	bc	bc	0·1
	Leamington Spa	0·3	59	49	o.c.bc.o	o	1·8
	Malvern	3	56	51	o.c	c.o	0·0
Wales	Rhyl	2	57	50	r.o	o	0·0
	Colwyn Bay	1	56	52	bc	c	0·0
	Llandudno	1	58	52	o	o	0·0
	Aberystwyth	3	55	50	r.o.	or	0·0
	Tenby	2	61	50	r.o	o	0·0
England, E.	Lowestoft	-	57	39	bc	bc	13·4
	Felixstowe	-	58	36	bc	bcv	14·0
	Walton-on-Naze	-	58	37	b.bc	bc.bv	13·7
	Southend-on-Sea	—	64	43	b	b.bc.o	11·5
England, S.E.	Margate	—	56	47	b	b	13·2
	Ramsgate	0·3	57	41	b	b	13·4
	Folkestone	0·3	63	42	r.bc	b	13·4
	Hythe	-	60	36	b	b	13·0
	Littlestone	*	*	*	*	*	13·5
	Hastings	-	58	44	b	b.bc	10·5
	Bexhill-on-Sea	1	59	46	b	bc	9·6
	Eastbourne	—	55	47	bc.b	bc.og	7·6
	Seaford	-	59	46	b	bc	3·5
	Brighton	0·3	57	52	c.o	o	1·3
	Worthing	-	60	50	o.c	c.o	0·7
	Littlehampton	1	*	*	*	*	0·9
	Bognor	1	62	50	o	bc	1·4
	Southsea	8	61	51	o.bc	bc	1·4
	Ryde	8	59	51	c	bc	1·0
	Ventnor	3	61	49	*	*	0·5
	Bournemouth	2	61	49	o	o	0·1
England, S.W.	Weymouth	0·3	59	52	c	c.or	0·0
	Exmouth	4	58	50	p.o.c	rt.bc	0·0
	Teignmouth	4	58	54	cr	cr	0·0
	Torquay	4	57	53	or	r.o	0·0
	Paignton	5	58	53	or.p	p	0·0
	Falmouth	1	57	53	og	ml	0·0
	Bude	5	58	52	r.or.p	or.d	0·0
	Ilfracombe	3	57	51	or.o	od	0·0
	Weston-super-Mare	3	57	52	r	or	0·0

LONDON OBSERVATIONS.

Stations.	Humidity. 3 p.m. Yesterday.	Humidity. 9 a.m. To-day.	Sunshine for Yesterday.	Temperature. In Screen. Max.	Temperature. In Screen. Min.	Temperature. Min. on Grass.	Rainfall.	Weather. Forenoon.	Weather. Afternoon.	Weather. Night.
				24 Hours ended 9 A.M. To-Day.						
	%	%	Hr.	°F.	°F.	°F.	mm.§			
Greenwich (Royal Obsy.)	60	73	1·4	64	46	37	-	c	c.ou	c
City (Bunhill Row)	*	*	0·6	*	*	*	*	*	*	*
Westminster (St. James's Pk.)	63	79	0·2	65	51	47	-	b	o.b	omw
Camden Sq. (Brit. Rainfall)	59	70	1·9	68	49	46	-	o.c	c	*
Hampstead (Reservoir)	*	68	2·5	62	50	41	-	o	bc	bc
Richmond Park	*	*	1·3							
Kew. (See front page.)										
S. Kensington (Roof of M.O.)	66	75	2·8							

Vertical Component of Solar Radiation per square centimetre during Yesterday.

Total.	Average Rate	Max. Rate.
1337 Joules	23·0 Milliwatts.	65·0 Milliwatts.

Additional Observations for Yesterday.

Stations.	Rainfall.	Temperature. In Screen. Max.	Temperature. In Screen. Min.	Temperature. Night Min. on Grass.	Weather. Night.	Weather. Forenoon.	Weather. Afternoon.	Sunshine for Yesterday.
	mm.§	°F.	°F.	°F.				Hr.
Dublin to 4 p.m.	1	59	32	49	o.cr	opd	opd	*
Plymouth to 9 p.m.	6	56	52	50	or	or	o	0·0
Darwen "	3	52	48	47	our	or	our	0·0
Manchester "	2	54	50	*	o.or	or	od.o	0·0
Birmingham "	2	55	47	43	*	o	r.o	0·0
Oxford to 8 p.m.	*	62	49	47	or.o	o.c	o	*
S. Kensington (Museum Grounds to 6 p.m.)	Trace	64	50	47	omod.o	o.c	c	*

Table showing the Greenwich Times of Sunrise, Noon and Sunset for Stations in the United Kingdom To-day and To-morrow.

30th & 31st May 1914.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth	3.40 3.39	11.50 11.50	8.0 8.1
Greenwich	3.52 3.51	11.57 11.57	8.2 8.3
Wick	3.20 3.19	12.9 12.9	8.58 8.59
Valencia	4.32 4.31	12.38 12.38	8.44 8.45

NOTES ON YESTERDAY'S WEATHER.

Temperature exceeded 60° at a few stations, and touched 65° at Aberdeen. Small quantities of rain fell in many localities. The day was very bright along the south-east coast, with more than 14 hours of sunshine at some stations. Over the rest of the country the day was very dull, with no sunshine at most stations. As far west as the 26th meridian ships experienced light breezes between South-West and North-West, with fair to dull weather, some mist and fog.

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. Single copies 1d. at M.O. and at the bookstalls at certain Railway Termini in London.

Printed at the Meteorological Office, South Kensington, London, S.W. By Wyman & Sons Ltd., Fetter Lane, London, E.C., and Reading.

§ 1 m.m. is approximately 4 hundredths of an inch. ‡ The barometric change is expressed in half-millibars.

DAILY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

Sunday, 31st May, 1914.

	STATIONS.	YESTERDAY EVENING. Barom. Millibars at M.S.L.	Temp.	Wind. Direc.	Wind. Force 0-12	Weather.	THIS MORNING 7 A.M., G.M.T. Barometer. Millibars at M.S.L.	Barometer. Change in 3 hours.	Temp. Dry Bulb.	Temp. Change in 24 hours.	Wind. Direc.	Wind. Force 0-12.	Direc. of Upper Cloud	Weather.	Sea 0-9.	PAST 24 HOURS. Rainfall. Millimetres.	Temp. Max.	Temp. Min.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Sunshine for Yesterday.
			°F.					‡	°F.	°F.							°F.	°F.				Hours.
BRITISH ISLANDS.	Lerwick ...	1017.4	49	SSW	3	bc	1002.7	-10	46	-2	SSE	4	-	otm	3	11	51	43	cpq	bcm	otm	*
	Stornoway ...	1017.8	52	W	5	c	1011.1	+8	46	-3	NW	7	NW	opq	6	7	54	45	c	c	o.opq	6.0
	Castlebay (Barra Isd.)	1019.3	51	WSW	3	o	1014.2	+5	49	-1	WNW	4	-	op	4	1	53	48	o.c.o	o.bc.o	op	6.2
	Glasgow ...	1019.2	57	WSW	3	b	1012.8	-5	50	+1	SW	6	-	od	*	trace	60	36	c.o.c.bc	b	bc.odq	9.4
	Eskdalemuir ...	1019.1	59	WNW	3	b	1015.4	-2	46	-3	WSW	5	-	omd	*	-	62	40	c.o	c.bc	b.bc.	9.6
	Malin Head ...	1021.2	53	NW	2	bc	1015.8	+2	50	+2	NW	6	-	m	5	0.3	55	48	cv	bc	amqd	*
	Blacksod Point	1023.7	52	WNW	2	cv	1021.7	0	53	+3	WNW	3	NW	omd	3	1	56	48	cm.cv	cv	cmp	*
	Valencia ...	1024.4	53	NNW	3	ov	1025.4	0	54	+3	WNW	3	W	om	3	0.3	56	49	o	o	omr	0.0
	Roche's Point	1023.0	56	NNW	3	o	1024.0	*	53	0	W	3	-	o	2	-	58	50	og	og	o	*
	Birr Castle ...	1022.7	55	WNW	2	c	1021.7	*	54	+4	W	3	W	c	*	-	56	46	c	c	c	0.1
	Donaghadee ...	1022.3	52	NNE	2	bv	1018.1	-1	50	+1	W	2	W	or	2	-	54	45	cv	bv	bcg.or	*
	Liverpool (Bidston)	1021.3	52	WNW	2	o	1019.6	-2	52	0	W	3	W	bc	3	-	57	47	o	o.c.	b.o.	1.9
	Holyhead ...	1022.8	53	NNW	4	ov	1021.6	0	52	0	SW	4	W	og	3	-	59	47	o.c.	c.o.cv	b.bc.c.o	4.5
	Pembroke (St. Ann's)	1021.5	59	N	3	b	1022.9	0	52	-2	NW	4	NW	b	2	-	61	47	omq.bc	bc.b	b	6.1
	Newquay ...	1020.2	56	NE	2	c	1022.7	+1	54	0	NW	2	-	o	3	-	58	51	of	of	o	1.4
	Scilly (St. Mary's)	1020.8	55	NNE	3	o	1023.6	+2	54	0	NNW	3	NW	cv	3	-	61	50	bc	om	c.bc.	3.7
	Jersey (St. Aubin)	1020.1	62	N	3	b	1021.7	*	54	+1	NW	2	-	om	1	-	64	51	o.c	c.b.	bc.om	6.8
	Portland Bill ...	1020.6	55	W	2	c	1021.6	+1	56	+3	NW	2	-	b	1	-	58	51	o.c.	o.c.	bc.c.	*
	Dungeness ...	1020.6	58	SW	2	b	1019.3	?	56	0	NW	3	N	og	2	?	61	54	b	bc	bc.o	*
	Dover	?1018.5	60	SW	2	b	1019.1	*	56	+1	NW	4	-	og	2	-	62	54	b	b	bc.c.og	12.5
	Wick	1020.0	52	WNW	2	bc	1005.8	-2	52	+2	W	4	W	o	3	1	57	46	c.bc	bc	og.oqp	*
	Nairn	1018.5	55	NNW	1	bc	1008.7	*	53	+3	NW	3	-	cg	3	-	60	47	bc.c	bc	cq	6.3
	Aberdeen ..	1019.5	51	SSE	2	o	1008.9	-4	56	+3	SW	4	SW	c	2	-	57	48	o.c	c.o	o.bc.c.	0.4
	Leith	1018.8	64	WSW	2	bc	1012.4	-5	54	+2	SW	4	SW	c	*	-	64	47	c	bc	b	*
	North Shields ...	1020.2	52	NE	2	bc	1015.5	-3	53	+1	WNW	4	NW	c	3	-	55	47	og	bc	bcm	1.8
	Spurn Head ...	1019.3	53	N	3	o	1017.3	-2	54	0	W	4	-	om	4	-	58	50	m.f	f.o	o	0.0
	Yarmouth ...	1019.1	56	SSE	2	o	1018.6	0	52	0	W	1	-	bc	0	-	61	49	bc	bc.o	o.bc.	8.9
	Clacton-on-Sea	1018.6	56	ESE	2	og	1018.6	0	55	0	NW	2	-	ogm	1	-	59	52	bc.bg	b.bc.og	ogm	7.8
	Nottingham ...	1019.6	58	N	2	c	1019.1	*	54	+1	W	3	W	c	*	trace	59	48	omg	omg.c	cd.o.c	0.0
	Bath	1020.0	60	E	1	o	1020.6	*	54	0	W	2	W	o	*	-	61	49	og	og.o	g.o.bc	0.0
	London (Kew Obsy.)	1019.2	62	NE	1	o	1020.3	0	54	0	SW	1	W	om	*	-	67	50	cmebcc	o.c.o	o.om	4.1
ICELAND, FAEROE, &c.	Spitzbergen ...	1000.6	37	SE	2	o	997.1	0	36	0	-	0	-	o	*	*	37	34				
	Isafjord... ...	1003.5	45	W	4	bc	1007.3	+3	39	+5	W	6	-	b	*	*	*	*				
	Reykjavik ...	1007.1	44	NW	1	b	1011.5	+3	41	+3	W	2	-	c	*	*	*	*				
	Vestmanna ...	1007.4	44	NW	1	b	1011.9	+2	42	+5	W	3	-	bc	1	*	*	*				
	Seydisfjord ...	1003.5	45	WSW	4	bc	1007.3	+3	39	+4	WSW	3	-	b	*	*	*	*				
	Thorshavn ...	1009.9	46	W	5	o	1007.1	+1	44	-1	NNW	2	-	bc	*	*	*	*				
NORTHERN EUROPE.	Vardö	1010.0	45	SE	3	o	1005.6	0	46	+1	NNE	2	-	o	2	*	46	32				
	Bodö	1005.5	46	SSW	4	c	1006.0	0	43	-9	S	5	-	o	2	2	52	39				
	Christiansund	1012.2	48	WSW	5	bc	1009.7	-2	46	-6	-	0	-	o	3	trace	52	46				
	Skudesnaes ..	1017.3	48	NW	2	b	1012.3	-2	48	-7	SSW	4	-	r	2	2	55	41				
	Færder (X'tania Fjord)	1012.3	57	SW	2	c	1009.7	-3	55	-2	-	0	-	b	1	-	57	54				
	The Scaw (Skagen)	1015.1	57	W	4	b	1011.9	-1	54	-1	WSW	6	-	b	*	-	61	48				
	Blaavands Huk	1019.1	54	NW	2	c	1015.9	-1	54	-1	W	2	-	o	1	-	57	50				
	Haparanda ...	1011.8	48	S	4	bc	1008.8	0	41	-5	SW	2	-	o	*	trace	54	41				
	Hernösand ...	1012.2	48	S	6	c	1010.9	0	50	0	NW	2	-	c	*	-	52	46				
	Stockholm ...	1015.5	52	SE	2	b	1011.5	-2	61	+4	SW	2	-	b	*	-	63	43				
	Wisby	1015.0	52	ENE	2	b	1013.6	0	61	+4	S	2	-	b	*	-	63	45				
	Karlstad	1012.7	63	S	2	b	1010.1	-1	52	0	SW	2	-	o	*	-	64	48				
	St. Petersburg	1017.7	55	NW	1	b	1017.5	0	54	+4	SW	1	-	b	*	-	59	43				
CENTRAL EUROPE.	Berlin	1016.0	54	W	3	o	1017.1	0	55	+5	NW	1	W	bc	*	-	57	50				
	Frankfurt... ...	1017.3	55	NE	1	o	1018.1	0	52	+2	-	0	-	o	*	-	55	50				
	Munich	1014.7	57	NW	3	bc	1016.3	0	54	+6	NNW	2	-	o	*	trace	61	46				
	Vienna	1014.0	57	WSW	2	o	1013.7	+1	57	+3	W	1	-	c	*	-	66	50				
	Cuxhaven ...	1017.9	55	NNW	2	o	1017.1	-1	55	+3	NW	1	-	b	0	-	59	50				
	The Helder ...	1019.4	57	NW	1	b	1017.9	0	54	0	SW	2	-	c	1	-	59	45				
	Brussels	*	*	*	*	*	1018.9	0	55	+1	-	0	-	b	*	-	63	41				
FRANCE.	C. Gris Nez ...	1019.0	58	W	1	b	1018.7	0	55	0	SW	2	*	m	1	-	64	54				
	La Hève	1019.5	57	N	3	c	1020.7	*	53	0	WNW	3	*	m	3	-	61	48				
	Ushant	1020.3	55	N	3	o	1023.4	*	55	0	N	3	*	b	3	-	55	50				
	Brest (St. Mathieu)	1021.0	55	NNW	3	m	1023.4	+1	54	0	N	4	*	c	3	-	59	50				
	Rochefort (Ile d'Aix)	1019.3	57	NW	4	o	1020.8	+1	56	+2	NW	3	*	o	*	-	64	54				
	Biarritz	1019.0	57	W	2	o	1021.2	+2	55	+2	S	2	*	bc	2	-	57	52				
	Paris	1018.3	61	N	2	o	1019.8	+1	57	+5	N	1	-	b	*	-	64	48				
	Belfort	1016.7	57	-	0	m	1018.6	*	56	+2	E	2	*	m	*	-	63	46				
	Lyons	1016.3	60	N	1	b	1017.5	*	56	+5	NNE	2	*	b	*	-	66	49				
	Nice	1013.1	59	-	0	c	1011.1	0	58	+1	-	0	*	c	2	-	64	50				
	Perpignan ..	1016.0	59	NW	3	b	1017.3	+2	61	+7	NW	4		b	*	-	63	54				
	Sanguinaire ...	*					*	*					*									
SOUTHERN EUROPE.	Corunna (7 a.m.)	1022.4	59	NNW	1	r	1024.6	+3	57	0	NNE	1	-	f	3	1	59	55				
	Madrid (8 a.m.) ...	1017.3	65	NW	1	o	1021.3	+2	57	+3	ENE	2	-	b	*	-	66	46				
	Lisbon (9 a.m.)	1017.6	68	N	5	b	1018.1	+3	61	0	NNE	2	-	b	5	-	73	57				
	Gibraltar							*														
	Rome	1012.6	57	NW	1	o	1011.7	0	57	0	SW	1	-	o	*	6	63	55				
	Azores (Horta, 8 a.m.)	1031.0	*	NNE	4	bc	1031.8	+2	64	+3	NNE	1	-	b	2	-	70	59				
	Madeira (Funchal)	1021.6	61	NE	3	b	1021.0	+1	61	-1	NE	3	-	o	3	trace	66	59				

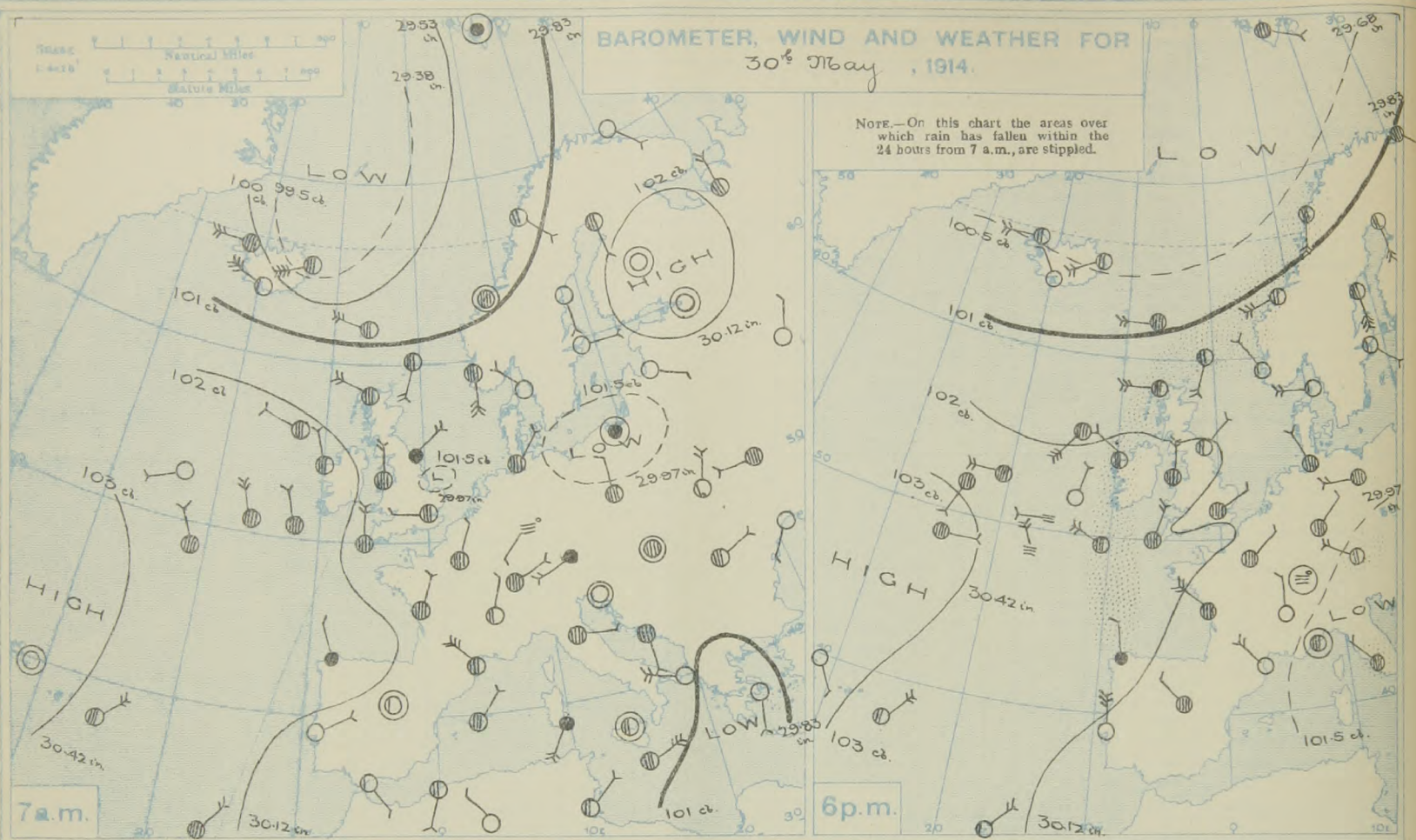
GALES.

Duration and Extreme Force in British Islands.

Glasgow 30th, 5 a.m. SW 8

Malin Head 30th, 1 a.m.-5 a.m. NW 8

* Information for these columns not usually received. † Received too late for insertion in Charts. ‡ The barometric change is expressed in half-millibars.

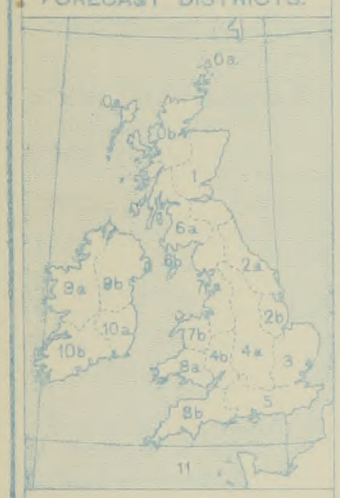


PILOT BALLOON ASCENTS for the PAST WEEK.

Component Velocities to East and to North in Metres per Second.

Station / Date & Hour.		Comp. to E.	Comp. to N.	Comp. to E.	Comp. to N.	Comp. to E.	Comp. to N.	Comp. to E.	Comp. to N.	Comp. to E.	Comp. to N.	Comp. to E.	Comp. to N.	Comp. to E.	Comp. to N.
		Sth. Farnboro'		Eskdalemuir.		Sth. Farnboro'.		Sth. Farnboro'		Aberdeen.		Falmouth.		Sth. Farnboro'.	
		26th 7h		26th 11h		26th 16h		27th 7h		27th 8h		27th 11h		28th 7h	
Heights in Kilometres.	4	−1	−7												
	3	−4	−10					−8	−9					+2	−9
	2	−5	−11			−3	−9	−8	−8	+5	−10			+2	−7
	1·5											−1	−3		
	1	−7	−10	0	−2	−5	−14	−8	−11	+4	−4	−2	−6	+4	−6
	0·5	−5	−8	−1	−2	−4	−12	−4	−9	+2	−2	−2	−3	+5	−6
	0	+1	−4	−1	−1	−2	−4	+1	−2	−2	0	−2	0	+1	−1
Station / Date & Hour.		Aberdeen.		Aberdeen.		S'th Farnboro'		Aberdeen.							
		28th 8h		29th 8h		30th 15h		30th 8h							
Heights in Kilometres.	3	+5	+4												
	2	+3	−1			−3	−2	+7	+4						
	1	+2	−1	+6	+1	+1	−1	+10	−4						
	0·5	+1	0	+7	+5	+2	−3	+8	−7						
	0	0	0	+3	+5	+4	−1	+4	−4						

FORECAST DISTRICTS.



STORM WARNINGS.

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

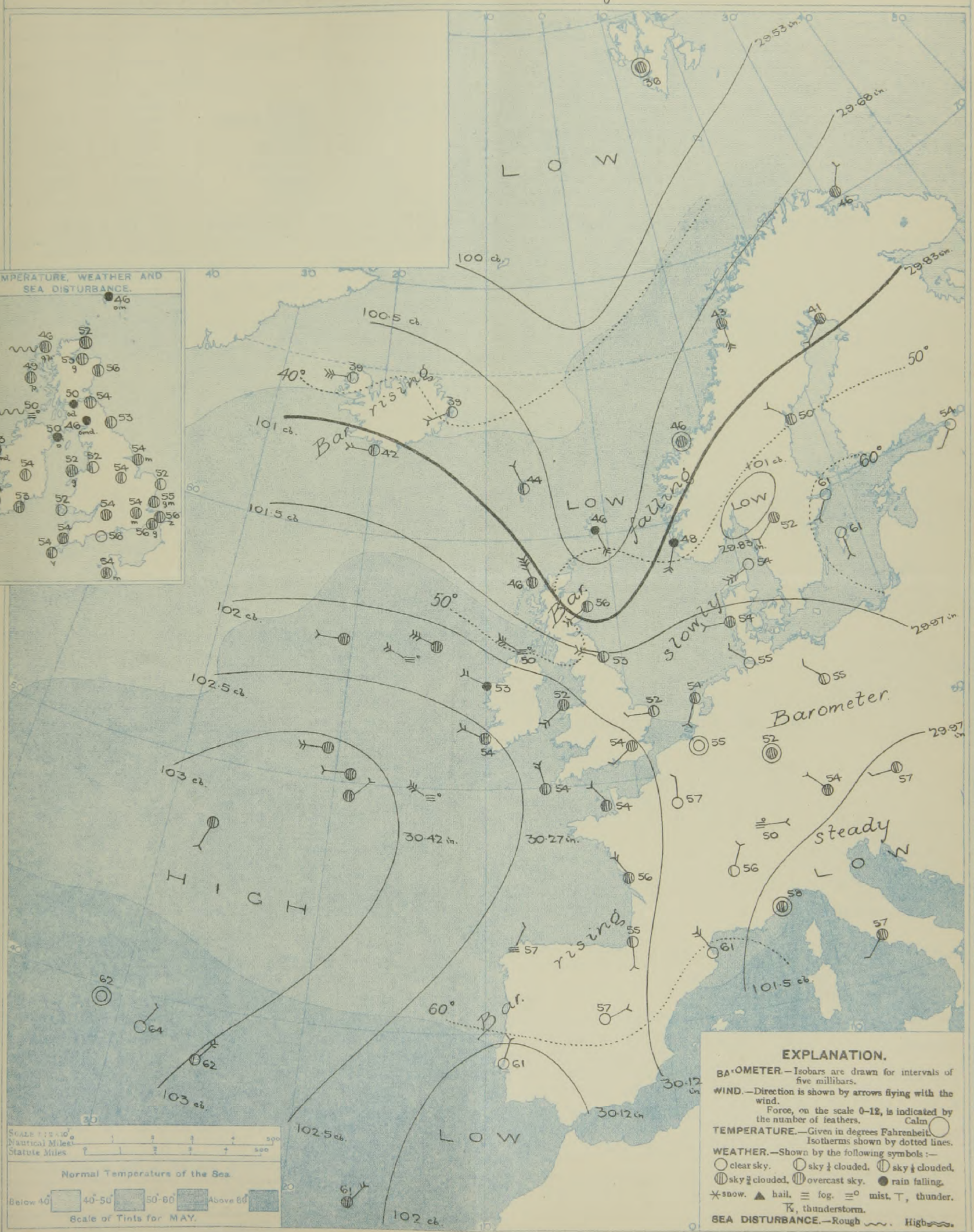
Signals hoisted yesterday.	Signals hoisted this morning.
South Cone.	South Cone.
North Cone.	North Cone.

No Warnings Issued.

Western Channel and Bay. 11

FURTHER OUTLOOK.

SYNOPTIC CHART FOR 7 a.m., Sunday, 31st MAY, 1914.



DAILY WEATHER REPORT. Sunday, 31st May, 1914.

OBSERVATIONS from the ATLANTIC OCEAN received by RADIOTELEGRAPHY.

Date and Hour.	Position. Lat. N.	Position. Long. W.	Name of Ship.	O = Outward. H = Homeward.	Barometer. Reading.	Barometer. Change in 3 hours.	Wind. Direc.	Wind. Force.	Weather.
	°	°			mb.	‡		(0-12).	
31st. 7am	47	27	Marquette	H	1030.1	+1	SSW	1-3	c
"	55	20	Empress of Britain	O	1020.6	+5	W	1-3	o
" "	54	15	California	H	1028.8	−1	WNW	4-5	m
30th 6pm	48	24	Marquette	H	1031.5	−1	E	1-3	o
" "	51	23	Ascania	H	1028.4	+1	SSW	1-3	o
" "	52	20	California	H	1030.8	−1	W	4-5	o
" "	48	17	Minnetonka	H	1029.8	−3	NW	4-5	f
30th 6pm	50	16	Montreal	O	1028.4	+3	W	1-3	f
" 6pm	55	14	Empress of Britain	O	1019.3	−5	SW	6-7	o
" "	50	14	Ausonia	"	1026.1	−6	W	1-3	c
" "	51	13	Monmouth		1027.4	+7	NNE.	1-3	b
" "	49	10	Menominee		1024.4	0	WNW	4-5	c
" "	55	8	Hesperian	H	1020.6	−1	WSW	1-3	c
" 7am	51	24	California	H	1029.4	+1	WSW	1-3	b

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

	Stations.	Rainfall.	Temperature. Max.	Temperature. Min.	Weather. Forenoon.	Weather. Afternoon.	Sunshine to 6 p.m.
		mm.§	°F.	°F.			Hr.
Scotland	Oban						
	St. Andrews				*	*	
	Carnoustie	–	56	48	*	*	8.0
Eng. N.E.	Harrogate	1	56	50	op	o	0.0
	Scarborough	*					
	Skegness	–	61	50	bc.cg	cg	0.0
Eng. N.W.	Douglas (I. of M.)						
	Morecambe	2	62	52	bc	bc	3.0
	Blackpool	2	57	50	o.c	b	4.1
	Southport	2	56	51	bc.o	o.c	0.6
Midlands	Buxton	–	57	49	bc	bc	3.9
	Leamington Spa	–	61	52	o	c	0.0
	Malvern	1	61	51	d.o	o.c	0.1
Wales	Rhyl	–	56	52	o.bc	bc	6.2
	Colwyn Bay						
	Llandudno						
	Aberystwyth	1	57	53	r.o.c	c.bc	5.7
	Tenby	1	67	49	o.bc	b	4.9
England, E.	Lowestoft						
	Felixstowe	–	59	46	bem	o	8.4
	Walton-on-Naze	–	59	47	f.b.bc	bc.o.og	9.0
	Southend-on-Sea	–	68	48	bem	bem	6.5
England, S.E.	Margate	–	65	47	b	b	11.1
	Ramsgate	–	60	45	b	o	12.1
	Folkestone	–	61	46	b	b.bc	12.3
	Hythe	–	63	39	b	b	12.0
	Littlestone	*	*	*	*	*	12.1
	Hastings	–	60	49	b	bc.c	9.9
	Bexhill-on-Sea	–	60	51	b	b.o	9.4
	Eastbourne	–	62	48	g.o.b	b.og	6.4
	Seaford	–	62	44	b	b	6.4
	Brighton	–	58	49	o.c	c.o	3.7
	Worthing	–	60	50	bc	bc.b	4.0
	Littlehampton	–	*	*	*	*	6.0
	Bognor	–	60	48	o	b	4.5
	Southsea						
	Ryde						
	Ventnor				*	*	
	Bournemouth	3	62	50	o	o	0.0
England, S.W.	Weymouth	4	59	51	o	c	0.0
	Exmouth						
	Teignmouth	1	57	52	o	o	0.0
	Torquay	1	58	52	o	o	0.0
	Paignton	1	57	51	op.o	o	0.0
	Falmouth	1	64	54	o.c.o	o.bc	3.3
	Bude	2	63	53	o	o	1.8
	Ilfracombe						
	Weston-super-Mare						

LONDON OBSERVATIONS.

Stations.	Humidity. 3 p.m. Yesterday.	Humidity. 9 a.m. To-day.	Sunshine for Yesterday.	Temperature. In Screen. Max. (24 hours ended 9 a.m. To-day)	Temperature. In Screen. Min.	Temperature. Min. on Grass.	Rainfall.	Weather. Forenoon.	Weather. Afternoon.	Weather. Night.
	%	%	Hr.	°F.	°F.	°F.	mm.§			
Greenwich (Royal Obsy.)	61	66	1.1	66	52	41	–	o	o	o.b
City (Bunhill Row)	*	*	0.5	*	*	*	*	*	*	*
Westminster (St. James's Pk.)			2.2							
Camden Sq. (Brit. Rainfall)	53	61	2.7	70	51	47	–	c	c.o	*
Hampstead (Reservoir)	*	70	5.3	66	48	41	–	o	bc	bc
Richmond Park	*	*	5.3							
Kew. (See front page.)										
S. Kensington (Roof of M.O.)	70	73	2.5							

Vertical Component of Solar Radiation per square centimetre during Yesterday.

Total. Joules	Average Rate. Milliwatts.	Max. Rate. Milliwatts.

Additional Observations for Yesterday.

Stations.	Rainfall.	Temperature. In Screen. Max.	Temperature. In Screen. Min.	Temperature. Night Min. on Grass.	Weather. Night.	Weather. Forenoon.	Weather. Afternoon.	Sunshine for Yesterday.
	mm.§	°F.	°F.	°F.				Hr.
Dublin to 4 p.m.	1	57	51	50	odg	o	o.c	*
Plymouth to 9 p.m.								
Darwen "	1	60	48	50	or.c	bc	bc.o	2.7
Manchester "				*				
Birmingham "	1	61	50	48	o	d	o.c	2.1
Oxford to 8 p.m.	*	60	52	51	or.o	o	a	*
S. Kensington (Museum Grounds to 6 p.m.)	–	66	53	47	c.o	o	o	*

Table showing the Greenwich Times of Sunrise, Noon and Sunset for Stations in the United Kingdom To-day and To-morrow.

31st May & 1st June 1914.	Sunrise.	Noon.	Sunset.
	G.M.T.	G.M.T.	G.M.T.
Yarmouth	3.39 / 3.38	11.50 / 11.51	8.1 / 8.4
Greenwich	3.51 / 3.51	11.57 / 11.58	8.3 / 8.5
Wick	3.49 / 3.17	12.9 / 12.10	8.59 / 9.2
Valencia	4.31 / 4.29	12.38 / 12.39	8.45 / 8.48

NOTES ON YESTERDAY'S WEATHER.

Temperature rose to 65° or rather higher at several stations in the south-east of England, but remained below 60° over a large portion of the Kingdom. Bright sunshine was abundant in the south-east of England, East Anglia, and the south-west of Scotland, but elsewhere there was little, none in some parts of the south, north-east and north of England. According to wireless reports light to fresh or strong breezes from between South-West and North-West prevailed on the Atlantic 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; ⚡ 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. Single copies 1d. at M.O. and at the bookstalls at certain Railway Termini in London.

Printed at the Meteorological Office, South Kensington, London, S.W. By Wyman & Sons Ltd., Fetter Lane, London, E.C., and Reading.

§ 1 m.m. is approximately 4 hundredths of an inch. ‡ The barometric change is expressed in half-millibars.

ADDITIONS AND CORRECTIONS

TO THE

DAILY WEATHER REPORT.

MAY, 1914.

ADDITIONS AND CORRECTIONS TO THE

1.—REPORTS RECEIVED TOO LATE FOR INSERTION DAILY.

Date.	Stations.	Yesterday Evening. Barom. Millibars at M.S.L.	Temp. °F.	Wind. Direc.	Wind. Force 0–12	Weather.	This Morning 7 a.m., G.M.T. Barometer. Millibars at M.S.L.	Barometer. Change in 3 hours. ‡	Temp. Dry Bulb. °F.	Temp. Change in 24 hours °F.	Wind. Direc.	Wind. Force 0–12.	Direc. of Upper Cloud	Weather.	Sea 0–9.	Past 24 Hours. Rainfall. Millimetres.	Temp. Max. °F.	Temp. Min. °F.	Weather. Morning.	Weather. Afternoon.	Weather. Night.	Sunshine for Yesterday. Hours.
1st	St. Petersburg	1010.4	39	NNE	1	b	1005.2	+3	37	+5	W	2	–	b	*	5	–	28	.	.	.	.
"	Vienna	1000.2	57	S	1	b	1009.3	+2	57	+7	–	0	–	b	*	–	70	50	.	.	.	.
"	Rome	1017.2	61	NE	1	b	1016.3	0	55	−2	NE	1	–	b	*	1	70	54	.	.	.	.
4th	St. Petersburg	1016.2	43	W	2	b	1013.7	0	41	+5	SW	1	–	0	*	–	*	?	.	.	.	.
"	Vienna	1028.4	46	SSE	2	b	1027.3	+1	46	+5	SSE	2	–	b	*	–	52	41	.	.	.	.
"	Rome	1023.9	63	–	0	b	1024.8	+1	55	−4	–	0	–	b	*	–	77	54	.	.	.	.
7th	Biarritz	1016.8	59	W	4	r	1018.1	0	59	+2	WSW	3	–	0	4	–	64	54	.	.	.	.
9th	St. Petersburg	1010.1	55	NE	1	b	1008.4	+1	54	+2	E	1	–	r	*	–	*	48	.	.	.	.
"	Vienna	1009.2	57	SSE	2	b	1010.4	0	52	−2	–	0	–	bc	*	–	68	50	.	.	.	.
"	Rome	1016.6	63	SE	1	0	1015.7	+1	63	+6	E	1	–	0	*	1	72	59	.	.	.	.
11th	Funchal	1026.9	63	NE	2	bc	1024.2	0	63	+2	NE	2	SE	c	2	–	68	61	.	.	.	.
15th	St. Petersburg	1012.6	46	NW	1	0	1021.3	+6	48	+2	NW	1	–	b	*	14	50	46	.	.	.	.
"	Vienna	1021.0	46	–	0	r	1021.1	+1	45	−1	N	1	–	r	*	1	57	45	.	.	.	.
"	Rome	1014.7	59	NNW	2	b	1014.7	0	50	−5	N	1	–	c	*	–	66	48	.	.	.	.
20th	Eskdalemuir	–	–	–	–	–	1025.7	−4	50	−3	SW	4	–	?	*	–	62	37	–	–	–	2.5
21st	St. Petersburg	1014.7	50	NW	2	b	1017.1	+2	48	−4	NW	1	–	c	*	–	59	43	.	.	.	.
"	Vienna	1020.4	66	NNW	3	b	1023.1	+1	59	−2	NW	2	–	b	*	–	73	57	.	.	.	.
"	Ushant	1029.2	57	N	1	b	1029.6	*	54	−1	NNW	3	*	0	3	–	68	50	.	.	.	.
"	Rome	1015.7	68	N	1	b	1017.0	+3	64	+9	NE	1	–	b	*	–	73	55	.	.	.	.
"	Madeira	1025.5	63	N	2	b	1023.9	0	65	+1	N	2	–	c	2	–	68	59	.	.	.	.
23rd	St. Petersburg	1024.0	52	E	1	0	1028.8	0	54	+4	SW	1	–	bc	*	–	61	46	.	.	.	.
"	Vienna	1026.6	59	W	2	b	1026.3	0	57	0	SSW	1	–	b	*	–	70	52	.	.	.	.
"	La Hève	1017.6	75	SE	3	tr	1013.5	*	59	−1	SW	4	*	0	3	8	82	54				
"	Lyons	1020.3	79	S	2	b	1020.8	*	68	+2	S	3	*	0	*	–	85	59				
"	Rome	1022.7	72	W	1	b	1024.4	+1	66	+2	N	1	–	b	*	–	82	63				
24th	St. Petersburg	1021.9	61	NW	1	b	1020.2	−1	61	+7	S	2	–	b	*	–	66	52				
"	Vienna	1017.3	63	SSE	3	b	1016.6	0	59	+2	W	1	–	0	*	–	72	50				
"	The Helder	–	–	–	–	–	1016.3	–	50	−14	N	6	–	r	3	3	68	48				
"	Rome	1022.4	68	SW	1	b	1018.7	−1	61	−5	N	1	–	bc	*	–	82	59				
27th	Frankfurt	–	–	–	–	–	1011.1	0	48	+3	NE	2	–	b	*	13	50	45				

GALES.

Duration and Extreme Force in British Islands.

Additions

9th.

Donaghadee 8th. 10pm. N.10

Gale 8th 10pm – 9th 7am.

Corrections

10th.

Spurn Head.

9th. 10am – Noon N.8.

31st.

Glasgow. 31st. 5am. SW.8

Malin Head. 31st. 4am–5am. NW.8

REPORTS FOR MAY, 1914.

2.—CORRECTIONS.

DATE.	STATIONS.	YESTERDAY EVENING. Barom. Millibars at M.S.L.	Temp.	Wind. Direc.	Wind. Force 0–12	Weather.	THIS MORNING 7 A.M., G.M.T. Barometer. Millibars at M.S.L.	Barometer. Change in 3 hours.	Temp. Dry Bulb.	Temp. Change in 24 hours	Wind. Direc.	Wind. Force 0–12.	Direc. of Upper Cloud	Weather.	Sea 0–9.	PAST 24 HOURS. Rain fall. Millimetres.	Temp. Max.	Temp. Min.	Weather. Morning.	Weather. Afternoon	Weather. Night.	Sunshine for Yesterday.
			°F.					±	°F.	°F.							°F.	°F.				Hours.
1st	Newquay						1020.3															
"	North Shields																52					
"	Bath												N									
2nd	London (Kew Obs)	1026.5					1029.7															
3rd	Blackpool Point						1009.6															
"	Clacton-on-Sea	1026.1																				
"	London (Kew Obs)	1023.8					1020.0															
4th	Eskdalemuir																	41				
"	Nairn						996.5															
"	London (Kew Obs)	1016.2					1010.6															
5th	Malin Head						990.0									12						
"	Pembroke															2						
"	Aberdeen												3					48				
"	North Shields																		pg	pg		
6th	Eskdalemuir												3									
"	Glasgow										W											
"	Blackpool Point																					
"	Birr Castle						1005.7															
"	Wick						999.3															
"	Clacton-on-Sea															2						
"	London (Kew Obs)						1007.0															
7th	Castlebay																					2.7
"	Pembroke																51					
"	Leith															Trace						
"	Spurn							−2														
8th	Glasgow								44	−1												
"	Nairn															31						
"	Nottingham		55																			
"	London (Kew Obs.)															21						
9th	Roche's Point					0																
"	Scilly	1011.3																				
"	Dungeness								48	−2												
"	London (Kew Obs)								47	−1												
"	Paris						1011.8															
"	Perpignan						1009.3															
10th	Wick						1013.7															
"	Clacton-on-Sea															1						
11th	Jersey														3							
"	Portland Bill										WNW											
"	Dungeness		49															44				5.6
"	Spurn Head																					
12th	North Shields																	47				
13th	Glasgow				4											0.2						
"	Newquay																					
"	Nairn						1021.4															
14th	Wick																		cm			
15th	Blackpool Point		53				1026.0															
"	Pembroke																					
"	Yarmouth				2	c												44				
16th	Valencia																54					
17th	Aberdeen																55	49				
18th	Blackpool Point																					
"	Yarmouth		54														52					
19th	Castlebay																55	49				
"	Blackpool Point																					
"	Dover	1025.7																				
"	Yarmouth		56	NNE	2	b																
20th	Holyhead																65					4.2
"	Dungeness																	53				0.2
21st	Valencia																74					
"	Bath																	40				
22nd	Newquay																					
"	North Shields						1021.7															
23rd	Castlebay																					11.6
"	North Shields						1013.7															
"	Clacton-on-Sea															8						
24th	Castlebay											3										
"	Blackpool Point						1027.8															
"	Wick						1023.6						NW									
"	Spurn		49																			
25th	Leith																51	39				
"	Yarmouth								46	−2												
26th	Roche's Point																		cbc			
"	Wick						1024.1															
"	Leith						1025.0															
"	Yarmouth																			bc.or		
"	Bath																	32				
27th	Portland Bill											4										
28th	Roche's Point																	49				
"	Birr Castle																64					
"	Donaghadee																	48				
"	Bath	1023.3																				
29th	Valencia																	51				
"	Pembroke															Trace						
"	Dover		47																			
"	Clacton-on-Sea															1						
30th	Lerwick																54					
"	Eskdalemuir																				ofe.o	
"	Roche's Point			NNW															ogm			
"	Jersey																				omp	
31st	Glasgow															0.3		46				

WIRELESS TELEGRAMS.

ADDITIONS AND CORRECTIONS — MAY, 1914.

ADDITIONS.

Date of Report	Date and Hour	Position. Lat. N.	Position. Long. W.	Name of Ship.	O = Outward. H = Homeward	Barometer. Reading.	Barometer. Change in 3 hours.	Wind. Direc.	Wind. Force.	Weather.
		°	°			mb.	‡		(0–12).	
18th	17th 6pm	50	17	Ausonia	H	1032.8	−1	–	0	0
"	" 7am	49	21	do	H	1031.5	+1	–	0	0

CORRECTIONS.

Date of Report	Date and Hour	Position. Lat. N.	Position. Long. W.	Name of Ship	O = Outward. H = Homeward.	Barometer. Reading.	Barometer. Change in 3 hours.	Wind. Direc.	Wind. Force.	Weather.
		°	°			mb.	‡		(0–12).	
1st	30th 6pm	49		New York						
"	" 7am		21	do do						
2nd	1st 7am			Franconia		1005.4	−9			
"	" "		10	New York						
3rd	3rd "			California		999.3				
"	2nd 6pm			do		1000.3				
"	" 7am			do		991.2				
"	" "	50		Mount Royal						
4th	3rd 6pm			California		999.3				
5th	4th "			Caronia			+2		5	
8th	8th 7am			Montreal		1015.9	+3			
11th	10th 6pm			Lusitania		1022.3	+2			
"	" 7am			Ascania			+5			or
17th	16th "			Ausonia		1024.7	+1			
18th	17th 6pm			Macedonia				WSW	2	
19th	18th 7am	48		Franconia						
21st	20th 6pm	50		Adriatic						
"	20th 6pm	50	13	Caronia	H	1029.4	−1	NSW	4–5	c
24th	24th 7am			Lusitania		1030.8	+1			
25th	– 6pm			do		1031.1	−2			
29th	29th 7am	49	8	New York	H	1031.1	+3	SW	1–3	c
30th	– 6pm			Lapland		1028.7	−3			
"	" 7am	47		do						