

METEOROLOGICAL OFFICE.

DAILY WEATHER REPORTS.

1ST JULY TO 31ST DECEMBER,

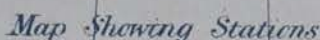
1892.

28.4.94

Sec. Rtg. Lond.

July to December 1892

July to December 1892



DAILY WEATHER REPORT

for 8 a.m. on Thursday, 1st December,

1892.

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

| STATIONS. | | YESTERDAY EVENING. (See note at bottom of last page.) | | | | | THIS MORNING. (See note at bottom of last page.) | | | | | | | | | | PAST 24 HOURS. | | | |
|---------------------|-------------------------------|--|-------|---|--------------|----------|---|---------------------------|---|--|--------------|--------------|--------------------------------------|------------------|----------|-------------|---------------------------|------------------------|------|------|
| | | BAROM. | TEMP. | WIND. | | Weather. | BAROMETER. | | SHADE TEMP. | | | WIND. | | Sea (0 to 9). | Weather. | SHADE TEMP. | | Amount of Rainfall. | | |
| | | | | Reading at 32° F. and Sea Level. | Dry Bulb. | | Dirac. | Force (0 to 12). | Reading at 32° F. and Sea Level. | Change since Yester- day Morn. | Dry Bulb. | Wet Bulb. | Change in dry since Yesterday. | | | Dirac. | Force (0 to 12). | | Max. | Min. |
| | | Inch. | ° | | | | Inch. | ° | ° | ° | | | | | | ° | Inch. | | | |
| SCANDINAVIA. | Haparanda ... | 28.73 | 26 | W | 2 | S | 28.99 | +32 | 27 | 27 | -5 | N | 6 | 0 | # | S | 37 | 27 | 0.04 | |
| | Hernösand ... | 28.80 | 34 | SSW | 2 | bc | 29.14 | +1.9 | 33 | 32 | 0 | NW | 2 | 0 | # | bc | 37 | 28 | - | |
| | Stockholm ... | 29.07 | 33 | W | 4 | b | 29.25 | +0.2 | 35 | 30 | -1 | W | 7 | 0 | # | b | 45 | 30 | - | |
| | Wishby ... | 29.27 | 37 | NW | 9 | c | 29.38 | +0.6 | 38 | 34 | 0 | NW | 8 | 6 | # | c | 41 | 34 | - | |
| | Bodö ... | 28.87 | 39 | EHE | 2 | 0 | 29.10 | +5.4 | 32 | 29 | -3 | E | 2 | 6 | 1 | 0 | 41 | 28 | - | |
| | Christiansund... | 29.29 | 39 | NW | 9 | S | 29.41 | +1.40 | 31 | 30 | -10 | NW | 6 | 0 | 7 | S | 41 | 30 | 0.28 | |
| | Skudesnaes ... | 29.60 | 37 | NW | 7 | 0 | 29.62 | +0.2 | 34 | 32 | 0 | NW | 7 | 0 | 3 | 0 | 37 | 32 | - | |
| | Christiania Fjord (Farder) | 29.31 | 41 | NW | 5 | b | 29.49 | +2.8 | 38 | 33 | -2 | NW | 5 | 6 | 3 | b | 41 | 37 | - | |
| | Skagen (The Scaw) | 29.44 | 40 | NW | 5 | b | 29.54 | +2.4 | 37 | 34 | +1 | NW | 4 | 6 | 2 | b | 41 | 36 | 0.04 | |
| | Fanö ... | 29.71 | 40 | NW | 6 | bc | 29.73 | +2.4 | 35 | 34 | -2 | S | 1 | 0 | # | bc | 41 | 36 | 0.32 | |
| BRITISH ISLANDS. | Sumburgh Head | 29.76 | 33 | NW | 3 | 0 | 29.76 | +2.4 | 30 | 30 | -7 | NNE | 1 | 0 | 4 | sp.0 | 38 | 28 | 0.04 | |
| | Stornoway ... | 29.90 | 35 | NW | 4 | 0 | 29.81 | -0.9 | 32 | 32 | -4 | N | 2 | 0 | 3 | S | 38 | 27 | 0.25 | |
| | Wick ... | 29.87 | 35 | NW | 3 | 0 | 29.80 | +0.9 | 18 | 17 | -17 | NW | 1 | 6 | 2 | 0 | 35 | 13 | 0.12 | |
| | Nairn ... | 29.90 | 32 | W | 1 | bc | 29.81 | -0.3 | 30 | 30 | -3 | Z | 0 | 0.5 | 1 | bc | 40 | 29 | 0.06 | |
| | Aberdeen ... | 29.94 | 34 | NSW | 3 | bc | 29.84 | +0.7 | 31 | 30 | -3 | NW | 2 | 0 | 4 | bc | 37 | 31 | 0.01 | |
| | Leith ... | 30.01 | 35 | SW | 4 | 0 | 29.81 | -0.9 | 33 | 33 | -1 | S | 2 | 0 | # | 0 | 40 | 32 | 0.05 | |
| | Shields ... | 30.06 | 35 | W | 3 | b | 29.83 | -0.5 | 37 | 37 | +4 | SSW | 2 | 0 | 2 | b | 40 | 31 | 0.02 | |
| | Spurn Head ... | 30.10 | 38 | W | 4 | b | 29.91 | +0.1 | 39 | 38 | +1 | SW | 3 | 0.9 | 3 | b | 42 | 35 | - | |
| | York ... | 30.11 | 37 | W | 3 | c | 29.85 | -1.2 | 38 | 37 | +3 | SSW | 2 | 0 | # | c | 42 | 34 | - | |
| | Loughborough | 30.21 | 35 | NW | 2 | c | 29.99 | -0.6 | 38 | 37 | +1 | SE | 1 | 0 | # | c | 43 | 34 | - | |
| GERMANY & HOLLAND. | Ardrossan ... | 30.04 | 41 | W | 4 | bghp | 29.76 | -2.6 | 35 | 35 | -3 | N | 4 | 0.9 | 3 | ogph | 42 | 32 | 0.19 | |
| | Malin Head ... | 30.06 | 40 | NW | 4 | bhp | 29.79 | -2.8 | 41 | 39 | 0 | NW | 5 | 0 | 3 | ohp | 43 | 38 | 0.09 | |
| | Mullaghmore ... | 30.15 | 41 | NW | 5 | c | 29.86 | -3.1 | 44 | 41 | +3 | NW | 4 | 0.9 | 3 | chp | 45 | 39 | 0.19 | |
| | Belmullet ... | 30.22 | 44 | W | 3 | 0 | 29.87 | -3.7 | 43 | 41 | +3 | N | 2 | 0 | # | 0 | 45 | 38 | 0.40 | |
| | Donaghadee ... | 30.13 | 38 | W | 4 | c | 29.82 | -2.9 | 41 | 41 | +4 | W | 3 | 0 | 2 | c | 41 | 35 | 0.06 | |
| | Liverpool (Bidston) | 30.16 | 39 | NSW | 3 | r | 29.90 | -1.6 | 41 | 40 | 0 | SW | 3 | 0 | 3 | r | 43 | 38 | 0.05 | |
| | Holyhead ... | 30.20 | 42 | W | 4 | og | 29.89 | -2.5 | 43 | 43 | +1 | NSW | 4 | 0.9 | 4 | bc,og | 44 | 41 | 0.24 | |
| | Parsonstown ... | 30.23 | 38 | Z | 0 | 0 | 29.84 | -4.2 | 41 | 40 | +6 | Z | 0 | 0 | # | c,0,r | 43 | 34 | 0.23 | |
| | Valencia ... | 30.28 | 44 | SW | 2 | c | 29.83 | -5.1 | 53 | 53 | +12 | SW | 7 | 0.9 | 6 | bcv | 53 | 40 | 0.58 | |
| | Roche's Point | 30.30 | 44 | NW | 3 | b | 29.86 | -4.0 | 52 | 52 | +12 | NSW | 5 | 0 | 4 | b | 52 | 38 | 0.35 | |
| FRANCE AND BELGIUM. | Pembroke (St. Ann's Hd.) | 30.27 | 44 | NW | 3 | bc | 29.96 | -2.8 | 48 | 48 | +5 | SW | 4 | 0.9 | 5 | bc | 48 | 42 | 0.17 | |
| | Scilly ... | 30.31 | 45 | NW | 1 | b | 30.04 | -2.5 | 49 | 49 | +2 | SW | 6 | 0 | 4 | ba,b | 49 | 40 | 0.07 | |
| | Prawle Point ... | 30.33 | 38 | NW | 3 | b | 30.07 | -2.0 | 46 | 46 | +7 | NSW | 6 | 0.9 | 5 | b | 48 | 36 | 0.05 | |
| | Jersey (St. Aubin's) | 30.35 | 44 | NW | 2 | bcp | 30.18 | -0.8 | 48 | 45 | +1 | NSW | 5 | 0.9 | 4 | cp | 50 | 42 | 0.09 | |
| | Hurst Castle ... | 30.30 | 50 | NW | 3 | b | 30.10 | -1.1 | 46 | 44 | +5 | W | 5 | 0 | 3 | b | 51 | 38 | - | |
| | Dungeness ... | 30.23 | 37 | NW | 3 | b | 30.07 | -0.6 | 45 | 42 | +4 | W | 4 | 0 | 4 | b | 46 | 35 | 0.01 | |
| | North Foreland | 30.22 | 38 | NW | 3 | b | 30.03 | -0.4 | 40 | 37 | 0 | NSW | 3 | 0.9 | 3 | bcq,b | 42 | 34 | - | |
| | London ... | 30.25 | 36 | W | 1 | b,m | 30.05 | -0.7 | 39 | 38 | +1 | SW | 2 | 0 | # | b, bc | 45 | 32 | - | |
| | Oxford ... | 30.25 | 36 | W | 1 | bc | 30.04 | -0.9 | 39 | 38 | +3 | SW | 2 | 0 | # | bc | 44 | 35 | - | |
| | Cambridge ... | 30.17 | 40 | W | 1 | b | 30.03 | -0.4 | 37 | 36 | 0 | SW | 1 | 0 | # | m | 44 | 31 | - | |
| PENINSULA. | Yarmouth ... | 30.12 | 37 | NW | 5 | b | 29.98 | +0.4 | 36 | 35 | -2 | NSW | 3 | bc,m | 3 | b | 40 | 32 | - | |
| | Cuxhaven ... | 29.70 | 38 | W | 7 | S | 29.88 | +1.9 | 37 | 36 | -2 | W | 6 | bc | # | S | 42 | 36 | 0.24 | |
| | Berlin ... | 29.83 | 36 | W | 5 | bc | 30.00 | +1.5 | 35 | 34 | 0 | W | 3 | 0 | # | bc | 41 | 34 | 0.04 | |
| | Wiesbaden ... | " | " | " | " | " | 30.23 | +1.5 | 32 | 30 | -6 | Z | 0 | 0 | # | " | 46 | 32 | - | |
| | Munich ... | 30.20 | 36 | SW | 4 | r | 30.27 | +1.1 | 28 | 28 | 0 | SW | 3 | bc | # | r | 41 | 28 | 0.08 | |
| | The Helder ... | 30.08 | 44 | NW | 7 | bc | 29.97 | +1.1 | 42 | 39 | -2 | NSW | 7 | 0 | 4 | bc | 45 | 39 | 0.04 | |
| | Brussels (9 a.m.) | " | " | " | " | " | 30.14 | +0.8 | 34 | 33 | -5 | SW | 4 | 0 | # | b | 44 | 32 | - | |
| | Cape Gris Nez | 30.23 | 42 | NW | 5 | bc | 30.09 | +0.2 | 45 | 42 | +2 | W | 5 | 0 | 5 | bc | 46 | 39 | - | |
| | Paris ... | 30.31 | 39 | NW | 2 | c | 30.27 | +0.6 | 35 | 33 | -9 | S | 2 | 0 | # | c | 48 | 31 | 0.04 | |
| | Brest ... | " | 45 | N | 2 | c | " | " | 50 | 47 | +1 | NSW | 1 | 0 | 4 | c | 61 | 43 | - | |
| FRANCE AND BELGIUM. | Lorient ... | 30.36 | 47 | N | 3 | bc | 30.25 | " | 50 | 44 | +1 | NSW | 5 | 0 | 2 | bc | 55 | 43 | - | |
| | Rochefort ... | 30.31 | 45 | E | 3 | b | 30.31 | +0.3 | 40 | 40 | -8 | SE | 3 | 0 | # | b | 52 | 37 | - | |
| | Belfort ... | " | 37 | W | 3 | 0 | " | " | 34 | 32 | -3 | N | 1 | bc | # | 0 | 38 | 33 | 0.04 | |
| | Lyons ... | 30.35 | 37 | E | 1 | 0 | 30.35 | -0.4 | 37 | " | +6 | N | 1 | 0 | # | 0 | 41 | 31 | - | |
| | Nice ... | 30.12 | 43 | Z | 0 | bc | 30.12 | -1.5 | 39 | 36 | +1 | E | 2 | 0 | 2 | bc | 50 | 37 | - | |
| | Perpignan ... | 30.31 | 47 | NW | 3 | b | 30.33 | -0.3 | 47 | 33 | +12 | NW | 3 | 0 | # | b | 55 | 35 | - | |
| | Biarritz ... | 30.39 | 51 | W | 3 | 0 | 30.36 | +0.3 | 50 | 47 | +11 | W | 2 | 0 | 3 | 0 | " | " | - | |
| | Corunna ... | " | " | " | " | " | " | " | " | " | " | " | " | " | " | " | " | " | - | |
| | Lisbon ... | 30.35 | 55 | N | 3 | b | 30.38 | +0.3 | 44 | 43 | -4 | NNE | 4 | 0 | # | b | 57 | 43 | - | |

For Explanation of Columns, see bottom of last page.

† Received too late for insertion in Charts on next page.

WEATHER CHARTS

for 8 a.m. on Thursday, 1st December, 1892.

BAROMETER, WIND AND SEA.

EXPLANATION OF MAP

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

Changes since previous morning are stated in words.

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

— forces above 10; — forces 8 to 10;

— forces 5 to 7; — forces 1 to 4.

— dead calm.

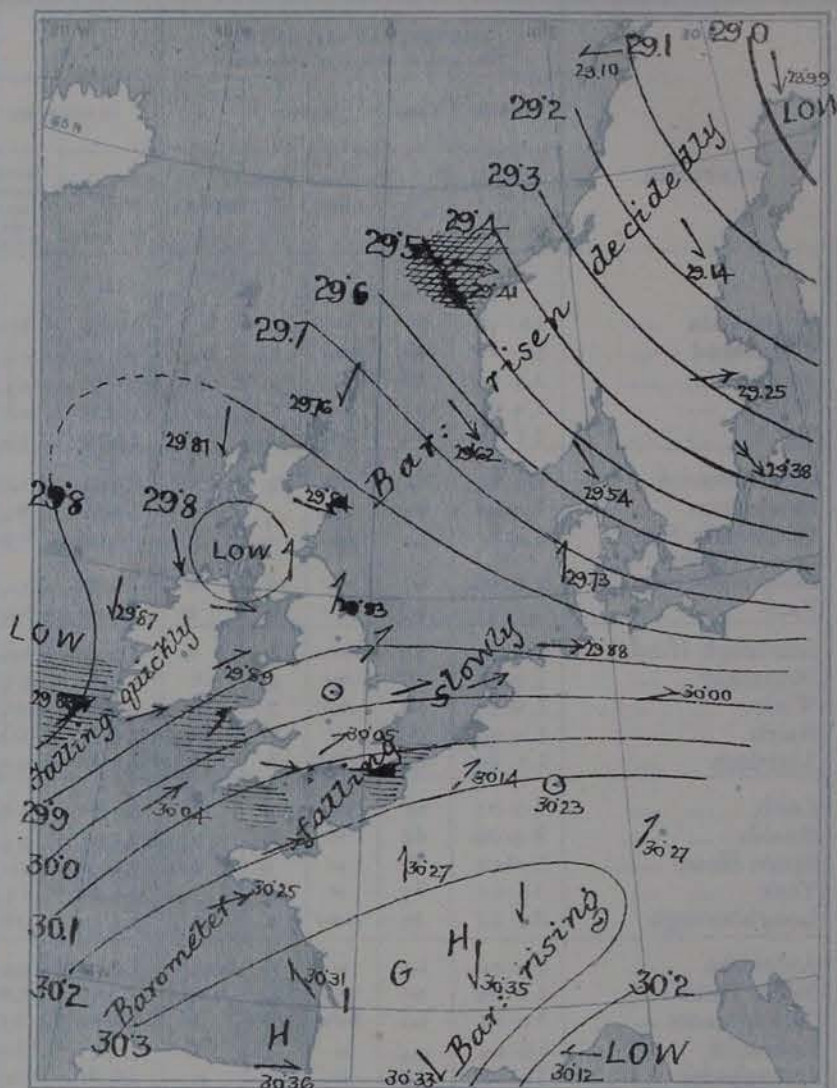
SEA DISTURBANCE—Where considerable, is shown thus:

— Rough. — High.

MEAN HEIGHT OF THE BAROMETER

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

| STATIONS. | MEAN READINGS. |
|---------------|----------------|
| Samburgh Head | 29.078 |
| Stormway | 29.703 |
| Wick | 29.718 |
| Nairn | 29.743 |
| Aberdeen | 29.767 |
| Leith | 29.807 |
| Shields | 29.845 |
| Spurn Head | 29.873 |
| York | 29.890 |
| Loughborough | 29.924 |
| Androssan | 29.820 |
| Mullaghmore | 29.821 |
| Donaghadee | 29.818 |
| Holyhead | 29.879 |
| Liverpool | 29.886 |
| Parsonstown | 29.901 |
| Valencia | 29.905 |
| Roche's Point | 29.912 |
| Pembroke | 29.916 |
| Sally | 29.951 |
| Pravie Point | 29.970 |
| Jersey | 29.985 |
| Hurst Castle | 29.988 |
| Dover | 29.983 |
| LONDON | 29.954 |
| Oxford | 29.953 |
| Cambridge | 29.941 |
| Yarmouth | 29.916 |



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

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

WEATHER is shown by Letters of the Beaufort Scale.

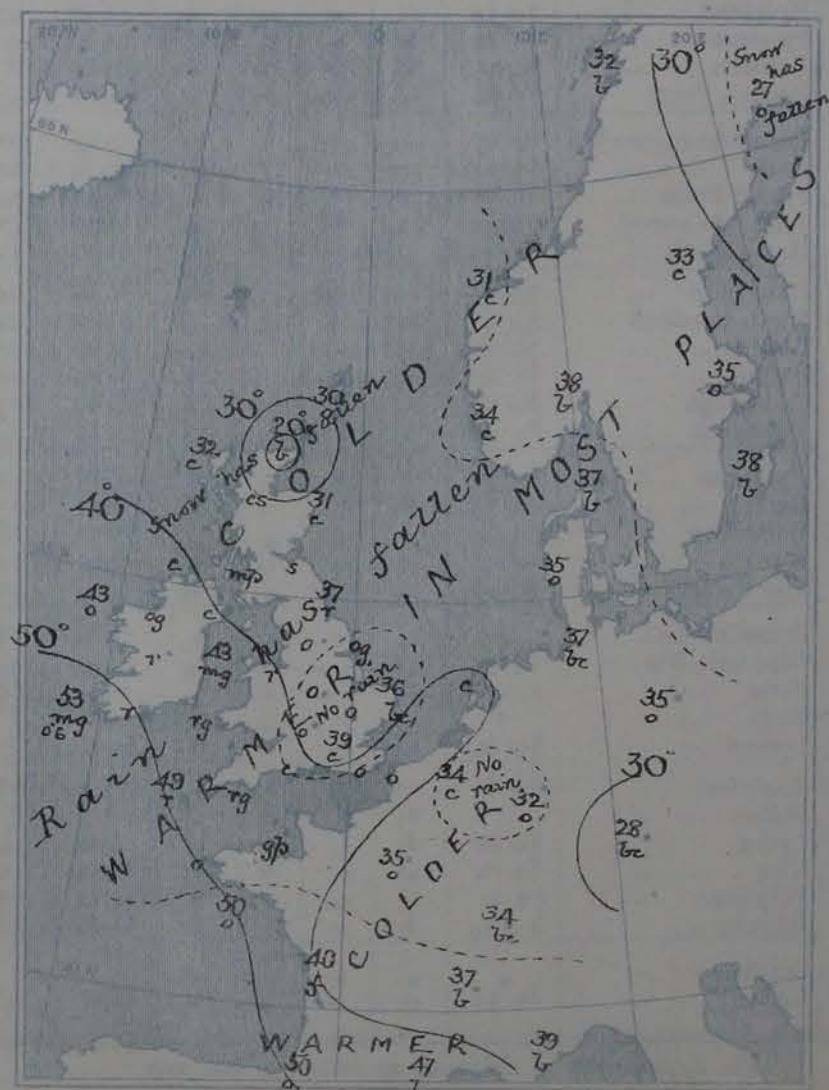
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of December.)

| STATIONS. | TEMPERATURE. | | | | RAINFALL. (Inches.) |
|---------------|---------------|---------------|-----------|-----------|------------------------|
| | Daily Max. | Daily Min. | At 8 A.M. | At 8 P.M. | |
| Samburgh Head | 42.4 | 35.2 | 38.6 | 38.1 | 4.25 |
| Stormway | 43.1 | 34.2 | 39.4 | 38.5 | 0.60 |
| Wick | 42.2 | 32.7 | 38.1 | 36.8 | 3.10 |
| Nairn | 41.9 | 32.8 | 37.1 | 35.6 | 1.05 |
| Aberdeen | 41.0 | 32.6 | 36.9 | 35.2 | 3.21 |
| Leith | 41.0 | 32.7 | 38.5 | 37.0 | 1.30 |
| Shields | 42.0 | 33.9 | 38.3 | 36.9 | 2.57 |
| Spurn Head | 42.4 | 35.3 | 38.8 | 37.7 | 2.14 |
| York | 42.3 | 32.3 | 36.4 | 35.4 | 2.28 |
| Loughborough | 42.7 | 32.2 | 36.8 | 35.4 | 3.24 |
| Androssan | 41.5 | 35.9 | 40.0 | 38.7 | 3.73 |
| Mullaghmore | 40.5 | 37.8 | 42.2 | 39.8 | 1.51 |
| Donaghadee | 45.8 | 38.2 | 40.2 | 39.3 | 2.84 |
| Holyhead | 40.4 | 30.1 | 42.8 | 41.1 | 3.82 |
| Liverpool | 43.5 | 35.6 | 38.8 | 37.1 | 2.50 |
| Parsonstown | 44.4 | 33.1 | 37.8 | 36.6 | 0.01 |
| Valencia | 49.7 | 40.6 | 44.6 | 42.4 | 5.99 |
| Roche's Point | 47.9 | 38.9 | 42.9 | 41.5 | 1.95 |
| Pembroke | 40.8 | 40.3 | 43.4 | 42.2 | 3.93 |
| Sally | 49.5 | 43.4 | 47.0 | 45.1 | 4.02 |
| Pravie Point | 47.0 | 38.2 | 42.5 | 41.1 | 3.70 |
| Jersey | 47.4 | 39.4 | 43.1 | 41.4 | 5.52 |
| Hurst Castle | 46.6 | 36.3 | 40.6 | 39.8 | 2.78 |
| Dover | 44.5 | 35.9 | 34.8 | 33.5 | 3.00 |
| LONDON | 44.0 | 33.0 | 37.8 | 36.7 | 2.10 |
| Oxford | 42.0 | 33.5 | 37.0 | 35.9 | 2.10 |
| Cambridge | 42.8 | 34.0 | 36.2 | 35.5 | 1.85 |
| Yarmouth | 41.9 | 31.7 | 37.0 | 37.0 | 2.66 |

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



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.3 ins. to 30.0 ins. over Spain, France, the English Channel, and greater part of Germany.
 Lowest, 29.0 ins. and less, over Finland; 29.8 ins. and less, over the west of Scotland and off the southwest of Ireland.
 Gradients moderate in most places, slight in Scotland and Ireland.
 Barometer falling fast in the west of our Islands.

TEMPERATURE

Highest, 50° at Biarritz, Lorient, and Brest.
 Lowest, (1) 18° at Wick and below the freezing point in the north, and east of Scotland generally; (2) 27° at Haparanda, 31° at Christiansund.
 (3) 28° at Munich, 32° at Wiesbaden, and 33° at Kiev.
 The changes over England and Scotland during the past twenty-four hours have been very fitful.

WIND

NW³ to W⁴, fresh to a gale, over Scandinavia and the North Sea; W³ to SW³, moderate over England; SW³, strong and increasing in the south of Ireland, but NW³ to N³, and light, in the Hebrides and north of Ireland.
 The gales on the eastern side of the North Sea appear to be subsiding.

WEATHER

Clearing up on the eastern shores of the North Sea, but was in a very unsettled changeable condition over our Islands.
 Rain is falling at our southern stations, snow in the north.
 Lunar halos were seen yesterday in many parts of England. The rainfall has been considerable in the south of Ireland.

SEA

High at Christiansund, rather rough off the southern and southern coasts of our Islands, moderate to slight elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The general appearance is very unsettled; a large increase of wind is likely, with rain in many places, sleet or snow in the north.

FORECASTS

For the 24 hours ending at NOON on 2nd DEC^r. 1892.

| DISTRICTS. | FORECASTS. | DISTRICTS. | FORECASTS. |
|--|---|--|--|
| 0 SCOTLAND NORTH 1 SCOTLAND EAST 2 ENGLAND N.E. 3 ENGLAND EAST 4 MIDLAND COUNTIES 5 ENGLAND SOUTH | Varying winds, force very doubtful at present, unsettled, sleet and rain. SW ² winds, increasing in force, with rain. | 6 SCOTLAND WEST 7 ENGLAND N.W. 8 ENGLAND S.W. 9 IRELAND NORTH 10 IRELAND SOUTH WARNINGS | Same as Nos 0 to 2. SW ² and S ² winds, increasing in force, gales in many places, much rain. At 7.20 pm yesterday to districts 0, 6, 7, 9, and 10. "Hoist South Cone" |

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

YESTERDAY'S 2 P.M. REPORTS.

| | BAR. | THER. | | WIND. | F. | WEA. | SEA. | | BAR. | THER. | | WIND. | F. | WEA. | SEA. |
|-----------------|-------|-------|------|--------|----|------|------|-------------------|-------|-------|------|--------|----|------|------|
| | | Dry. | Wet. | Dirac. | | | | | | Dry. | Wet. | Dirac. | | | |
| Skudesnaes ... | 29.45 | 37 | 36 | nrw | 5 | rshg | + | Valencia ... | 30.33 | 47 | 43 | W | 3 | bcl | 4 |
| Sumburgh Head | 29.72 | 33 | 32 | nrw | 5 | sp | 6 | Scilly ... | 30.34 | 48 | 44 | nrw | 4 | bc | 4 |
| Stornoway ... | 29.93 | 36 | 35 | nrw | 2 | s | 3 | Jersey ... | 30.31 | 50 | 43 | nrw | 3 | c | 3 |
| Aberdeen ... | 29.93 | 36 | 32 | nrw | 5 | bg | 4 | Hurst Castle | 30.26 | 45 | 41 | nrw | 4 | b | 3 |
| Shields ... | 30.03 | 39 | 36 | W | 4 | b | 2 | Dungeness... | 30.18 | 44 | 39 | N | 4 | b | 3 |
| Ardrossan ... | 30.07 | 42 | 39 | W | 4 | o | 3 | North Foreland... | 30.08 | 42 | 37 | nrw | 6 | bc | 4 |
| Malin Head ... | 30.09 | 42 | 39 | W | 5 | o | 4 | London ... | 30.20 | 45 | 39 | nrw | 2 | bm | 3 |
| Mullaghmore ... | 30.19 | 41 | 39 | nrw | 5 | chp | 4 | Yarmouth ... | 30.06 | 40 | 37 | nrw | 5 | b | 3 |
| Belmullet ... | 30.21 | 44 | 40 | W | 4 | bc | 4 | Rocheport ... | 30.30 | 49 | 48 | N | 3 | o | 4 |
| Holyhead ... | 30.21 | 43 | 40 | nrw | 4 | bc | 4 | | | | | | | | |

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

Weather fine and bright over the greater part of the United Kingdom, but showery on our extreme north and northwest coasts, with snow in the north of Scotland, dull in Russia, Norway, Denmark, Germany, the Netherlands and the northern parts of France, with rain or sleet in several places, but fine over Austria and the greater part of southern Europe. Snow falling later at some of the Norwegian and German stations rain setting in at night over all the more western parts of the United Kingdom.

Temperature fallen at all but the Russian, Austrian, and Italian stations. Morning readings highest 59° at Malta, 50° to 55° in Algeria, 45° to 50° in the west of France and the southern parts of Spain and Italy. Lowest 0° at Hermannstadt, 11° at Casco, and 12° at Vienna and Bucharest; below 20° in the south of Russia; below the freezing point in many parts of Central Europe, and very little above it in Scotland and Central Ireland. Daily maxima below 40° in the north of Scotland, and below 45° in the northern and eastern parts of our Islands generally. Exceeding 50° in the west of France and reaching 57° at Lisbon.

Wind strong from the Wnd or NWnd over the greater part of the United Kingdom, and also over Norway, Denmark, and the Netherlands, with a gale at Christiansund. Strong to a gale from SW over the Baltic and the Gulf of Finland; light or moderate from the same quarter over Germany and Central Russia. Light from S in the southwest of France, but Nth in Spain and Italy, calm or light and variable in Austria. Subsequently falling light or moderate in all parts of the United Kingdom, and backing to W or SW in Ireland.

Barometer highest 30.30 in: to 30.45 in: in a large anticyclone of irregular form covering the southwest of Ireland, the Bay of Biscay and a considerable portion of southern Europe and the Mediterranean, as well as in a separate system lying over Austria. Lowest 28.6 in: and less, in a depression, the centre of which lay over the northwest of Norway. Gradients sharp over the more northern countries generally. Depression subsequently moving eastwards, but fresh disturbances beginning to approach our western coasts.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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

“ Weekly “ “ “ “ £1 10 0 “

DAILY WEATHER REPORT

for 8 a.m. on Friday, 2^d December, 1892.

1892.

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

| STATIONS. | | YESTERDAY EVENING. (See note at bottom of last page.) | | | | | THIS MORNING. (See note at bottom of last page.) | | | | | | | | | | PAST 24 HOURS. | | | |
|---------------------|--------------------------------|--|-------|---|--------------|----------|---|---------------------|---|--|--------------|--------------|--------------------------------------|------------------|-------------|---------------------|----------------|------------------------|-------|------|
| | | BAROM. | TEMP. | WIND. | | Weather. | BAROMETER. | | SHADE TEMP. | | | WIND. | | Sea (0 to 9). | SHADE TEMP. | | | Amount of Rainfall. | | |
| | | | | Reading at 32° F. and Sea Level. | Dry Bulb. | | Dir. | Force (0 to 12). | Reading at 32° F. and Sea Level. | Change since Yester- day Morn. | Dry Bulb. | Wet Bulb. | Change in dry since Yesterday. | | Dir. | Force (0 to 12). | Weather. | | Max. | Min. |
| | | Inch. | ° | | | | Inch. | | | | | | | | | | | | Inch. | |
| SCANDINAVIA. | Haparanda ... | 29.36 | 13 | Z | 0 | b | 29.53 | + 34 | 17 | 17 | - 10 | Z | 0 | c | # | 6 | 30 | 12 | - | |
| | Hernösand ... | 29.41 | 25 | Z | 0 | b | 29.57 | + 43 | 20 | 19 | - 13 | Z | 0 | bc | # | 6 | 37 | ? | - | |
| | Stockholm ... | 29.45 | 28 | SW | 2 | b | 29.52 | + 27 | 21 | 20 | - 14 | WNW | 2 | b | # | 6 | 37 | ? | - | |
| | Wisby ... | 29.52 | 37 | WNW | 6 | b | 29.52 | + 14 | 32 | 30 | - 6 | WNW | 4 | b | # | 6 | 39 | ? | 0.04 | |
| | Bodö ... | 29.15 | 30 | E | 4 | s | 29.53 | + 43 | 30 | 27 | - 2 | W | 4 | c | 0 | S | 32 | 25 | - | |
| | Christiansund... | 29.49 | 30 | WSW | 6 | S | 29.73 | + 32 | 31 | 29 | 0 | WSW | 6 | S | 6 | S | 32 | 28 | 0.20 | |
| | Skudesnaes ... | 29.63 | 34 | W | 6 | C | 29.84 | + 22 | 29 | 28 | - 5 | W | 2 | bc | 2 | chg | 34 | 25 | - | |
| | Christiania Fjord (Farther) | 29.53 | 32 | WNW | 5 | b | 29.67 | + 18 | 29 | 26 | - 9 | WNW | 5 | bc | 1 | b | 38 | 27 | - | |
| | Skagen (The Scaw) | 29.58 | 33 | WNW | 4 | C | 29.66 | + 12 | 32 | 28 | - 5 | W | 2 | bc | 1 | c | 39 | 30 | - | |
| | Fanö ... | 29.68 | 34 | ESE | 1 | 0 | 29.74 | + 01 | 33 | 33 | - 2 | WNW | 6 | csp | # | 0 | 39 | 30 | 0.08 | |
| BRITISH ISLANDS. | Sumburgh Head | 29.72 | 30 | N | 4 | C | 29.96 | + 20 | 34 | 33 | + 4 | WNW | 2 | 0 | 4 | 0 sp c | 37 | 27 | 0.05 | |
| | Stornoway ... | 29.86 | 30 | N | 2 | bc | 30.07 | + 26 | 32 | 32 | 0 | W | 3 | 0 | 3 | bc | 32 | 26 | 0.02 | |
| | Wick ... | 29.83 | 32 | NW | 1 | S | 30.03 | + 23 | 29 | 28 | + 11 | W | 1 | 0 | 1 | S | 32 | 13 | 0.25 | |
| | Nairn ... | 29.85 | 28 | NW | 2 | bc | 30.09 | + 28 | 26 | 26 | - 4 | W | 1 | 0 | 0 | bc | 35 | 22 | 0.02 | |
| | Aberdeen ... | 29.85 | 25 | NW | 2 | b | 30.08 | + 24 | 28 | 26 | - 3 | W | 3 | 0 | 3 | b, sp | 33 | 25 | 0.01 | |
| | Leith ... | 29.86 | 33 | E | 1 | C | 30.11 | + 30 | 27 | 26 | - 6 | SW | 1 | f | # | 0 | 35 | 25 | 0.08 | |
| | Shields ... | 29.78 | 37 | N | 3 | 0 | 30.10 | + 27 | 26 | 25 | - 11 | W | 1 | 0 | 4 | rsp | 38 | 25 | 0.43 | |
| | Spurn Head ... | 29.69 | 40 | NW | 2 | 0 v | 30.09 | + 18 | 34 | 33 | - 5 | WNW | 3 | 0 | 4 | 0 p v | 42 | 33 | 0.05 | |
| | York ... | 29.76 | 36 | N | 1 | b | 30.15 | + 30 | 27 | 27 | - 11 | WNW | 1 | 0 | # | 0 | 42 | 26 | 0.03 | |
| | Loughborough | 29.75 | 41 | NW | 2 | 0 | 30.15 | + 16 | 23 | 23 | - 15 | Z | 0 | bf | # | 0 | 43 | 23 | 0.13 | |
| GERMANY & HOLLAND. | Ardrossan ... | 29.89 | 33 | Z | 0 | om | 30.13 | + 37 | 27 | 26 | - 8 | Z | 0 | bc | 0 | c, om | 42 | 26 | - | |
| | Malin Head ... | 29.89 | 39 | NNE | 3 | bc | 30.08 | + 29 | 36 | 35 | - 5 | SSE | 3 | 0 | 2 | 0, bc | 41 | 35 | 0.02 | |
| | Mullaghmore ... | 29.90 | 41 | NNE | 4 | 0 | 30.09 | + 23 | 35 | 34 | - 9 | E | 4 | bc | 2 | op | 44 | 33 | - | |
| | Belmullet ... | 29.93 | 42 | N | 2 | 0 | 30.08 | + 21 | 35 | 34 | - 8 | E | 2 | 0 | # | 0 | 44 | 34 | - | |
| | Donaghadee ... | 29.89 | 40 | ESE | 5 | bc | 30.13 | + 31 | 35 | 35 | - 6 | W | 3 | 0 | 2 | bc | 41 | 32 | 0.02 | |
| | Liverpool (Bidston) | 29.78 | 41 | NW | 3 | 0 | 30.14 | + 24 | 35 | 33 | - 6 | SE | 1 | 0 | 2 | 0 | 43 | 32 | 0.10 | |
| | Holyhead ... | 29.83 | 43 | N | 3 | cg | 30.11 | + 22 | 35 | 32 | - 8 | ESE | 1 | bc, cg | 1 | og, cg | 46 | 35 | 0.10 | |
| | Parsonstown ... | 29.90 | 37 | Z | 0 | b | 30.06 | + 22 | 30 | 29 | - 11 | Z | 0 | 0 | # | 0 | 42 | 27 | - | |
| | Valencia ... | 29.86 | 45 | NNE | 5 | cg | 29.95 | + 12 | 45 | 42 | - 8 | E | 6 | og, g | 4 | og, m, g | 53 | 42 | 0.82 | |
| | Roche's Point | 29.85 | 44 | NNE | 2 | T | 30.01 | + 15 | 45 | 43 | - 7 | ESE | 5 | c | 4 | T | 53 | 37 | 0.60 | |
| FRANCE AND BELGIUM. | Pembroke (St. Ann's Hd.) | 29.81 | 46 | NNE | 3 | T | 30.08 | + 12 | 37 | 36 | - 11 | ESE | 4 | cm | 3 | 0, T | 52 | 36 | 0.68 | |
| | Scilly ... | 29.87 | 52 | WSW | 6 | rm | 29.98 | - 06 | 49 | 47 | 0 | E | 4 | 0 | 4 | 0, rm | 53 | 45 | 0.14 | |
| | Prawle Point ... | 29.83 | 51 | W | 8 | T | 30.07 | 00 | 42 | 40 | - 4 | NNE | 4 | og | 3 | Tg | 51 | 42 | 0.47 | |
| | Jersey (St. Aubin's) | 29.98 | 51 | WSW | 6 | opm | 30.05 | - 13 | 48 | 47 | 0 | E | 4 | om | 4 | 0, pm | 52 | 47 | 0.37 | |
| | Hurst Castle ... | 29.78 | 51 | WSW | 8 | cm | 30.11 | + 01 | 37 | 36 | - 9 | NNE | 4 | bc | 4 | om, c | 51 | 36 | 0.49 | |
| | Dungeness ... | 29.69 | 51 | W | 9 | T | 30.09 | + 02 | 34 | 34 | - 11 | N | 3 | m | 2 | rm | 51 | 32 | 0.38 | |
| | North Foreland | 29.65 | 50 | SW | 5 | Tg | 30.08 | + 05 | 42 | 37 | + 2 | NNE | 3 | bc | 4 | Tg | 50 | 37 | 0.49 | |
| | London ... | 29.69 | 50 | WSW | 5 | or | 30.12 | + 07 | 33 | 33 | - 6 | Z | 0 | fg | # | r, c | 50 | 33 | 0.36 | |
| | Oxford ... | 29.81 | 42 | W | 3 | T | 30.14 | + 10 | 30 | 30 | - 9 | N | 1 | bm | # | T | 50 | 30 | 0.35 | |
| | Cambridge ... | 29.65 | 41 | W | 1 | T | 30.17 | + 14 | 28 | 27 | - 9 | Z | 0 | c | # | T | 43 | 27 | 0.37 | |
| PENINSULA. | Yarmouth ... | 29.69 | 41 | SW | 1 | rm | 30.07 | + 09 | 34 | 32 | - 2 | WNW | 3 | bc | 4 | om, d, T | 41 | 31 | 0.18 | |
| | Cuxhaven ... | 29.77 | ? | WSW | 3 | T | 29.85 | - 03 | 34 | 33 | - 3 | WNW | 3 | S | # | T | 38 | 33 | 0.08 | |
| | Berlin ... | 29.91 | 35 | WSW | 2 | 0 | 29.56 | - 44 | 34 | 33 | - 1 | WNW | 4 | S | # | 0 | 39 | 32 | 0.24 | |
| | Wiesbaden ... | ? | ? | ? | ? | ? | 29.93 | - 30 | 39 | 37 | + 7 | W | 3 | 0 | # | # | 41 | 32 | 0.12 | |
| | Munich ... | 30.18 | 33 | SW | 3 | bc | 29.93 | - 34 | 40 | 39 | + 12 | SW | 8 | 0 | # | bc | 41 | 28 | 0.04 | |
| | The Helder ... | 29.66 | 43 | WNW | 3 | T | 30.02 | + 05 | 40 | 36 | - 2 | WNW | 5 | 0 | 3 | T | 45 | 37 | 0.39 | |
| | Brussels (O. N. L.) | ? | ? | ? | ? | ? | 30.08 | - 06 | 36 | 35 | + 2 | Z | 0 | bc | # | T | 44 | 34 | 0.47 | |
| | Cape Gris Nez | 29.74 | 48 | SW | 8 | T | 30.03 | - 06 | 41 | 38 | - 4 | NNE | 4 | bc | 5 | T | 50 | 39 | 0.84 | |
| | Paris ... | 30.08 | 42 | SSW | 4 | T | 30.04 | - 23 | 44 | 44 | + 9 | N | 3 | T | # | T | 45 | 43 | 0.24 | |
| | Brest ... | ? | 53 | WSW | 5 | 0 | ? | ? | 59 | 54 | + 9 | WNW | 2 | T | 3 | 0 | 59 | 43 | 0.20 | |
| GERMANY & HOLLAND. | Lorient ... | 29.65 | 52 | WSW | 5 | 0 | 30.05 | - 20 | 53 | 53 | + 3 | SW | 3 | T | 4 | 0 | 53 | 50 | - | |
| | Rochefort ... | 30.18 | 48 | S | 4 | 0 | 30.19 | - 12 | 54 | 53 | + 14 | WSW | 4 | bc | # | 0 | ? | ? | 0.08 | |
| | Belfort ... | ? | 36 | WNW | 3 | C | ? | ? | 37 | 35 | + 3 | W | 4 | 0 | # | C | 38 | 33 | - | |
| | Lyons ... | 30.30 | 38 | N | 1 | 0 | 30.26 | - 09 | 37 | 34 | - 1 | SW | 1 | bc | # | 0 | 42 | 36 | - | |
| | Nice ... | 30.16 | 47 | E | 1 | 0 | 30.13 | + 01 | 41 | 39 | + 2 | NNE | 3 | 0 | 1 | 0 | 55 | 39 | - | |
| | Perpignan ... | 30.28 | 44 | SW | 2 | 0 | 30.27 | - 06 | 33 | 33 | - 14 | W | 2 | 0 | # | 0 | 57 | 33 | - | |
| | Biarritz ... | 30.25 | 51 | E | 3 | 0 | 30.19 | - 17 | 47 | 42 | - 3 | SE | 3 | 0 | 3 | 0 | 57 | 43 | - | |
| | Corunna ... | ? | ? | ? | ? | ? | ? | ? | ? | ? | ? | ? | ? | ? | ? | ? | ? | ? | - | |
| | Lisbon ... | 30.29 | 54 | N | 3 | 0 | 30.26 | - 12 | 45 | 44 | + 1 | NNE | 4 | 0 | # | 0 | 57 | 44 | - | |

For Explanation of Columns, see bottom of last page.

† Received too late for insertion in Charts on next page.

WEATHER CHARTS

for 8 a.m. on Friday, 2nd December, 1892.

BAROMETER, WIND AND SEA.

EXPLANATION OF MAP.

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

Changes since previous morning are stated in words.

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

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

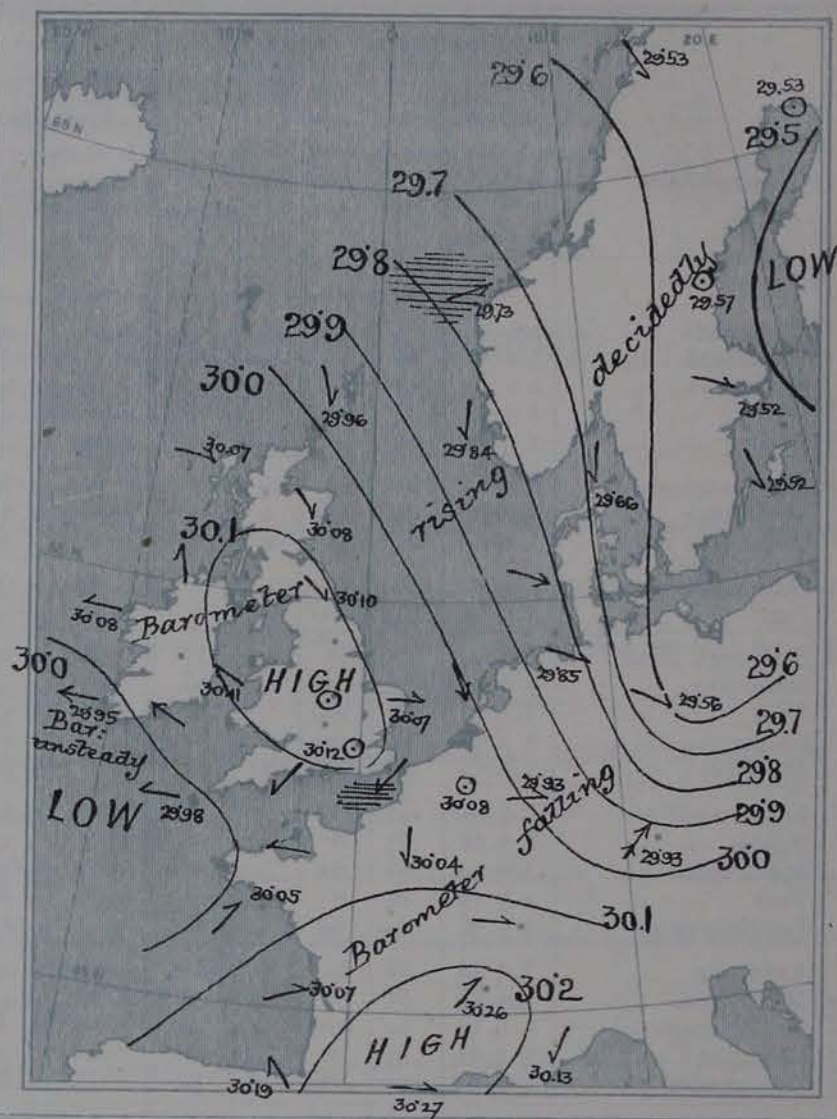
SEA DISTURBANCE—Where considerable, is shown thus:

— Rough. — High.

MEAN HEIGHT OF THE BAROMETER

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

| STATIONS. | MEAN READINGS. |
|---------------|----------------|
| Sumburgh Head | 29.673 |
| Stornoway | 29.703 |
| Wick | 29.718 |
| Nairn | 29.743 |
| Aberdeen | 29.767 |
| Leith | 29.807 |
| Shields | 29.813 |
| Spurn Head | 29.873 |
| York | 29.890 |
| Loughborough | 29.924 |
| Ardrossan | 29.920 |
| Mullaghmore | 29.821 |
| Donaghadee | 29.818 |
| Holyhead | 29.879 |
| Liverpool | 29.895 |
| Parsonstown | 29.901 |
| Valencia | 29.905 |
| Roche's Point | 29.912 |
| Pembroke | 29.916 |
| Selly | 29.951 |
| Prawle Point | 29.970 |
| Jersey | 29.985 |
| Hurst Castle | 29.958 |
| Dover | 29.963 |
| LONDON | 29.951 |
| Oxford | 29.955 |
| Cambridge | 29.941 |
| Yarmouth | 29.916 |



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.1 in. and more to 30.0 in. in an anticyclone lying over the British Islands, 30.2 in. and more to 30.0 in. over Spain and the southern half of France.
 Lowest, 29.5 in. and less, to 29.6 in. over Ireland, the Baltic, and North Germany; 30.0 in. and less off our extreme southwestern coasts.
 Gradients slight and variable over our Islands.

Barometer rising fast in the north and east, but inclined to fall again at Valencia (Ireland).

TEMPERATURE

Highest, 54° at Rochefort, 53° at Orient, 47° at Biarritz.

Lowest, 17° to 21° in the northern parts of Sweden, 26° to 29° over Iceland, 23° at Loughborough, 30° at Larne town.

It has fallen very quickly over England and Ireland during the night.

WIND

(1) NW¹ to N² over the Baltic, the North Sea, and the eastern parts of Great Britain. SW² (a gale) at Marseilles.

(2) NE¹ to E¹ in the English and Irish Channels; E¹ strong, at Valencia (Ireland).

(3) SW¹ in the west of France.

The W¹ wind blew with the force of a gale over the eastern half of the Channel last evening.

WEATHER

Fine over the United Kingdom as a whole, but hazy or foggy in places, dull on the Continent, with rain at Paris, snow in North Germany.

A good deal of cold rain, and a little sleet, fell at many of the English and Irish stations yesterday, and snow in Scotland. Lunar halos were seen at our western stations last night.

SEA

Moderate as a whole; rather rough, but going down, at Cape Gris Nez.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The anticyclone over Great Britain shows no tendency to give way at present, so that fair, cold, weather is probable over England, but with local fogs and very low night temperatures.

FORECASTS

For the 24 hours ending at NOON on 3rd December, 1892.

DISTRICTS.

FORECASTS.

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

Very light winds; fair, cold, fog or haze in several places.

N¹ to E¹ breezes; fine generally, local fogs. Cold.

DISTRICTS.

FORECASTS.

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

Same as Nos 0 to 2.

E¹ and SE¹ winds, increasing; unsettled, fair to rainy.

WARNINGS

None issued.

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

YESTERDAY'S 2 P.M. REPORTS.

| | BAR. | THER. | | WIND. Dir. | F. | WEA. | SEA. | | BAR. | THER. | | WIND. Dir. | F. | WEA. | SEA. |
|-------------------|-------|-------|------|---------------|----|------|------|--------------------|-------|-------|------|---------------|----|------|------|
| | | Dry. | Wet. | | | | | | | Dry. | Wet. | | | | |
| Skudeanaes ... | 29.65 | 33 | 29 | NW | 8 | c | 5 | Valencia ... | 29.76 | 49 | 49 | NNE | 3 | omg | 4 |
| Sumburgh Head ... | 29.72 | 31 | 30 | NW | 4 | osp | 4 | Scilly ... | 29.93 | 52 | 51 | SW | 6 | 0 | 5 |
| Stornoway ... | 29.83 | 32 | 31 | N | 3 | 6 | 3 | Jersey ... | 30.06 | 50 | 47 | SW | 6 | 0 | 5 |
| Aberdeen ... | 29.83 | 32 | 30 | NW | 2 | 6 | 3 | Hurst Castle ... | 29.86 | 50 | 50 | WSW | 7 | 07m | 5 |
| Shields ... | 29.76 | 37 | 36 | NNE | 2 | 0 | 3 | Dungeness ... | 29.88 | 47 | 46 | W | 6 | 7 | 5 |
| Ardrossan ... | 29.80 | 35 | 34 | NE | 3 | c | 2 | North Foreland ... | 29.85 | 45 | 44 | SW | 3 | 7 | 3 |
| Malin Head ... | 29.83 | 41 | 39 | N | 3 | 0 | 2 | London ... | 29.83 | 46 | 45 | SW | 3 | 07g | 3 |
| Mullaghmore ... | 29.85 | 43 | 40 | N | 4 | 0 | 3 | Yarmouth ... | 29.82 | 44 | 40 | SW | 3 | 02m | 3 |
| Behnullet ... | 29.87 | 44 | 41 | NW | 3 | 0 | 3 | Rocheport ... | 30.27 | 53 | 42 | S | 3 | 0 | * |
| Holyhead ... | 29.77 | 45 | 43 | N | 3 | 0g | 3 | | | | | | | | |

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

Weather rainy at many of our western and southwestern stations, sleet or snow reported over the north of England, and the Central and southeastern parts of Scotland, cloudy or overcast in most other parts of the Kingdom. Fair or fine over a considerable portion of the Continent, but dull at some of the Russian and Italian stations, with rain at Stango and Leshova and with snow at Uleaborg and Warsaw. Some improvement taking place later over the northern parts of the United Kingdom but steady rain falling in the south and southeast of England.

Temperature fallen in many parts of western and northern Europe, but risen elsewhere, - rapidly in Austria. Morning readings highest (1) 56° at Algiers and Malta, and 52° at Cagliari; (2) 53° at Valencia Island, and 52° at Rocherst, above 45° at most of the Channel stations. Lowest (1) 15° at Hermannstadt, 20° at Nicolaist, and 22° at Odessa; (2) 18° at West, and 30° at Sumburgh H^d and Malin below the freezing point in the north of Scotland generally. Daily maxima below 40° over all the northern parts of G^t Britain, and as low as 32° at Stornoway and West; thermometer exceeding 50° on our south and southwest coasts, and exceeding 55° in the southwest of France.

Wind moderate to strong from the SWrd or Wrd over England, the south of Ireland, and the greater part of eastern and central Europe; NWrd over Scandinavia and the north of Scotland, with a gale at Kirkc; Nrd in the north of Ireland. Light from the NErd in Spain and Italy, but NWrd in the south of France. Subsequently increasing to a gale from the Wrd in the Channel, shifting to the Nrd in all the more western and northern parts of the United Kingdom.

Barometer highest 30.5 in. and upwards over Central Spain, 30.4 in. and upwards over France, Spain, Algeria, south Germany, and the greater part of Austria. Lowest, 28.8 in. and less, in a deep depression lying over the north of Russia; 29.8 in. and less, in two shallow disturbances, one lying over the coast of Scotland and the other off the coast of Ireland. Latter systems subsequently moving southwards, and barometer falling quickly over the southern parts of our Islands, but rising in the west and north.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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

" Weekly " " " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on Saturday, 3rd December, 1892.

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

| STATIONS. | | YESTERDAY EVENING. (See note at bottom of last page.) | | | | | THIS MORNING. (See note at bottom of last page.) | | | | | | | | | | PAST 24 HOURS. | | | |
|---------------------|-------------------------------|--|-------|---|--------------|----------|---|---------------------------|---|--|--------------|--------------|--------------------------------------|------------------|----------|-------------|---------------------------|---------------------------|------|------|
| | | BAROM. | TEMP. | WIND. | | Weather. | BAROMETER. | | SHADE TEMP. | | | WIND. | | Sea (0 to 9). | Weather. | SHADE TEMP. | | Amount of Rainfall. | | |
| | | | | Reading at 32° F. and Sea Level. | Dry Bulb. | | Dirce. | Force (0 to 12). | Reading at 32° F. and Sea Level. | Change since Yester- day Morn. | Dry Bulb. | Wet Bulb. | Change in dry since Yesterday. | | | Dirce. | Force (0 to 12). | | Max | Min. |
| | | Inch. | ° | | | | Inch. | ° | ° | ° | | | | | | ° | Inch. | | | |
| SCANDINAVIA. | Haparanda ... | 29.84 | 13 | Z | 0 | b | 30.00 | +47 | 18 | 18 | +1 | Z | 0 | 0 | # | b | 21 | 12 | 0.08 | |
| | Hernösand ... | 29.93 | 19 | Z | 0 | b | 30.04 | +47 | 10 | 9 | -10 | Z | 0 | b | # | b | 27 | 16 | - | |
| | Stockholm ... | 29.86 | 23 | NW | 4 | b | 30.08 | +56 | 18 | 17 | -3 | Z | 0 | b | # | b | 32 | 18 | - | |
| | Wisby ... | 29.80 | 34 | NNE | 8 | c | 30.06 | +54 | 33 | 32 | +1 | NNE | 6 | c | # | c | 36 | 24 | - | |
| | Bodö ... | 29.71 | 27 | ENE | 2 | c | 29.53 | -00 | 36 | 33 | +6 | W | 5 | 0 | 3 | c | 36 | 23 | - | |
| | Christiansund... | 29.81 | 35 | HSW | 6 | bc | 29.57 | -16 | 35 | 31 | +4 | ESE | 4 | c | 4 | bc | 36 | ? | 0.16 | |
| | Skudesnaes ... | 30.05 | 38 | SSE | 4 | c | 29.78 | -06 | 42 | 37 | +13 | S | 8 | 0 | 5 | c | ? | 28 | - | |
| | Christiania Fjord (Farder) | 30.02 | 34 | NW | 3 | b | 29.99 | +32 | 36 | 34 | +7 | SW | 3 | bc | 1 | b | ? | 29 | - | |
| | Skagen (The Seaw) | 30.05 | 34 | NW | 1 | b | 30.01 | +35 | 30 | 29 | -2 | HSW | 2 | b | 1 | b | 36 | 27 | - | |
| | Fanö ... | 30.16 | 25 | Z | 0 | b | 30.07 | +33 | 27 | 26 | -6 | SE | 4 | b | # | b | 36 | 23 | - | |
| BRITISH ISLANDS. | Sumburgh Head | 29.90 | 37 | W | 2 | 0 | 29.26 | -70 | 38 | 35 | +4 | S | 5 | 0 | 6 | c, o | 38 | 34 | - | |
| | Stornoway ... | 29.93 | 33 | W | 3 | 0 | 29.20 | -87 | 32 | 32 | 0 | SW | 2 | 0 | 3 | 0 | 40 | 30 | ? | |
| | Wick ... | 29.94 | 29 | NW | 1 | b | 29.23 | -80 | 38 | 37 | +9 | S | 4 | OU | 2 | b | 38 | 23 | - | |
| | Nairn ... | 29.97 | 20 | Z | 0 | bc | 29.28 | -81 | 37 | 37 | +11 | SW | 2 | c | 1 | bc | 37 | 15 | - | |
| | Aberdeen ... | 30.07 | 29 | SSW | 1 | bc | 29.47 | -61 | 34 | 33 | +6 | SSW | 4 | oggru | 4 | b, bc | 34 | 28 | - | |
| | Leith ... | 30.08 | 25 | SW | 1 | 0 | 29.52 | -59 | 36 | 35 | +9 | SW | 1 | rf | # | 0 | 37 | 22 | 0.03 | |
| | Shields ... | 30.03 | 31 | W | 1 | m | 29.59 | -51 | 35 | 34 | +9 | SSW | 4 | om | 3 | bc, m | 35 | 25 | - | |
| | Spurn Head ... | 30.15 | 36 | SW | 1 | bm | 29.62 | -47 | 39 | 39 | +5 | SSE | 5 | r | 5 | bm, w | 40 | 30 | 0.02 | |
| | York ... | 30.17 | 31 | N | 1 | b | 29.64 | -51 | 34 | 34 | +7 | S | 3 | r | # | b | 35 | 26 | 0.02 | |
| | Loughborough | 30.16 | 30 | SE | 1 | 0 | 29.66 | -49 | 36 | 36 | +13 | ESE | 2 | ogdm | # | 0 | 37 | 22 | 0.02 | |
| GERMANY & HOLLAND. | Ardrossan ... | 30.06 | 28 | NE | 1 | om | 29.43 | -70 | 44 | 44 | +17 | SSW | 4 | r | 4 | b, o | 44 | 26 | 0.12 | |
| | Malin Head ... | 29.96 | 35 | SSE | 3 | om | 29.43 | -65 | 43 | 41 | +7 | SW | 5 | og | 3 | c, o | 43 | 34 | 0.01 | |
| | Mullaghmore ... | 29.91 | 38 | E | 4 | c | 29.56 | -53 | 43 | 42 | +8 | SW | 4 | c | 2 | c, p | 44 | 35 | 0.03 | |
| | Belmullet ... | 29.88 | 38 | ESE | 3 | 0 | 29.58 | -50 | 46 | 43 | +11 | W | 4 | op | # | 0 | 46 | 35 | 0.02 | |
| | Donaghadee ... | 30.02 | 42 | S | 5 | c | 29.58 | -60 | 43 | 43 | +8 | SW | 3 | 0 | 2 | c | 43 | 35 | 0.21 | |
| | Liverpool (Bldston) | 30.08 | 33 | ESE | 3 | f | 29.59 | -55 | 37 | 36 | +2 | SE | 3 | 0 | 3 | f | 37 | 32 | 0.10 | |
| | Holyhead ... | 30.02 | 37 | SE | 1 | bc | 29.55 | -56 | 48 | 47 | +13 | HSW | 2 | og | 2 | c, bc | 48 | 35 | 0.04 | |
| | Parsonstown ... | 29.89 | 40 | SE | 1 | 0 | 29.64 | -43 | 40 | 39 | +10 | Z | 0 | 0 | # | c, o, r | 45 | 28 | 0.19 | |
| | Valencia ... | 29.75 | 50 | ESE | 6 | ogpp | 29.77 | -18 | 47 | 44 | +2 | NW | 5 | c | 4 | ogpp | 51 | 43 | 0.08 | |
| | Roche's Point | 29.82 | 50 | SE | 6 | p | 29.70 | -31 | 47 | 45 | +2 | NW | 3 | bc | 4 | p | 50 | 43 | 0.65 | |
| FRANCE AND BELGIUM. | Pembroke (St. Ann's Hd.) | 29.93 | 44 | ESE | 5 | r | 29.63 | -45 | 50 | 49 | +13 | W | 5 | cqpp | 5 | or | 51 | 36 | 0.18 | |
| | Scilly ... | 29.82 | 51 | ESE | 7 | ep | 29.73 | -25 | 51 | 50 | +2 | NW | 4 | c | 4 | m, ep | 52 | 46 | 0.24 | |
| | Prawle Point ... | 29.99 | 46 | ESE | 5 | r | 29.71 | -36 | 50 | 50 | +8 | W | 4 | og | 3 | rf | 50 | 42 | 0.37 | |
| | Jersey (St. Aubin's) | 30.01 | 48 | E | 4 | omd | 29.81 | -24 | 54 | 52 | +6 | S | 5 | og | 4 | omd, p | 54 | 47 | 0.19 | |
| | Hurst Castle ... | 30.07 | 45 | E | 5 | c | 29.70 | -41 | 51 | 50 | +14 | SW | 5 | cpm | 5 | c, m | 52 | 36 | 0.38 | |
| | Dungeness ... | 30.15 | 44 | SE | 4 | bc | 29.71 | -38 | 51 | 51 | +17 | SW | 6 | rg | 5 | b, bc, r | 51 | 33 | 0.35 | |
| | North Foreland | 30.16 | 42 | E | 2 | b | 29.68 | -40 | 50 | 49 | +8 | SSW | 1 | rg | 4 | b | 50 | 36 | 0.29 | |
| | London ... | 30.14 | 36 | ESE | 2 | bm | 29.70 | -42 | 41 | 40 | +8 | Z | 0 | fgd | # | bf, cu, or | 41 | 33 | 0.12 | |
| | Oxford ... | 30.10 | 36 | E | 2 | 0 | 29.68 | -46 | 41 | 40 | +11 | SE | 1 | ofsd | # | bc, o | 41 | 30 | 0.02 | |
| | Cambridge ... | 30.17 | 32 | E | 1 | c | 29.67 | -50 | 40 | 40 | +12 | S | 1 | r | # | c | 40 | 27 | 0.05 | |
| PENINSULA. | Yarmouth ... | 30.16 | 36 | NW | 2 | b | 29.71 | -56 | 42 | 41 | +8 | SSE | 6 | ogqd | 5 | b | 42 | 32 | 0.07 | |
| | Cuxhaven ... | 30.07 | 28 | N | 4 | c | 30.13 | +28 | 27 | 25 | -7 | S | 3 | b | # | c | 37 | 28 | - | |
| | Berlin ... | 30.06 | 31 | NW | 3 | bc | 30.23 | +67 | 23 | 22 | -11 | NW | 1 | b | # | bc | 34 | 21 | 0.08 | |
| | Wiesbaden ... | * | * | * | * | * | 30.15 | +22 | 31 | 30 | -8 | NW | 2 | 0 | # | # | 41 | 27 | - | |
| | Munich ... | 30.27 | 32 | W | 2 | 0 | 30.16 | +23 | 21 | 21 | -19 | SE | 4 | bc | # | 0 | 43 | 21 | 0.12 | |
| | The Helder ... | 30.20 | 40 | HSW | 1 | b | 29.94 | -08 | 36 | 34 | -4 | SSE | 5 | f | 3 | b | 43 | 34 | - | |
| | Brussels (9 a.m.) | * | * | * | * | * | 29.89 | -19 | 35 | 34 | -1 | SSE | 6 | 0 | # | 0 | 43 | 32 | 0.08 | |
| | Cape Gris Nez | 30.11 | 37 | NE | 2 | bc | 29.77 | -26 | 47 | 47 | +6 | S | 6 | r | 5 | bc | 45 | 34 | 0.24 | |
| | Paris ... | 30.18 | 43 | ENE | 2 | 0 | 29.96 | -08 | ? | 47 | ? | S | 3 | 0 | # | 0 | ? | 42 | 0.04 | |
| | Brest ... | ? | 54 | HSW | 4 | f | ? | ? | 55 | 54 | -4 | HSW | 5 | r | 5 | f | ? | 54 | 1.18 | |
| PENINSULA. | Lorient ... | 30.02 | 54 | SW | 4 | c | 29.88 | -17 | 55 | 54 | +2 | SSW | 6 | 0 | 5 | c | 55 | 53 | 0.04 | |
| | Rochefort ... | 30.10 | 54 | SW | 4 | 0 | 30.00 | -19 | 51 | 50 | -3 | S | 4 | 0 | # | 0 | 55 | 48 | 0.16 | |
| | Belfort ... | ? | 38 | SSW | 5 | r | ? | ? | 36 | 35 | -1 | W | 4 | 0 | # | ? | 43 | 33 | 0.08 | |
| | Lyons ... | 30.19 | 45 | NW | 1 | bc | 30.11 | -15 | 42 | 41 | +6 | NW | 1 | f | # | bc | 50 | 36 | - | |
| | Nice ... | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | - | |
| | Perpignan ... | 30.16 | 42 | S | 2 | b | 30.10 | -17 | 35 | 33 | +2 | W | 2 | 0 | # | b | 57 | 33 | - | |
| | Biarritz ... | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | - | |
| | Corunna ... | 30.20 | 51 | NNE | 2 | 0 | 30.23 | -03 | 44 | 42 | -1 | NNE | 3 | c | # | 0 | 54 | 40 | - | |
| | Lisbon ... | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | - | |

For Explanation of Columns, see bottom of last page.

† Received too late for insertion in Charts on next page.

for 8 a.m. on Saturday, 3rd Dec^r 1892.

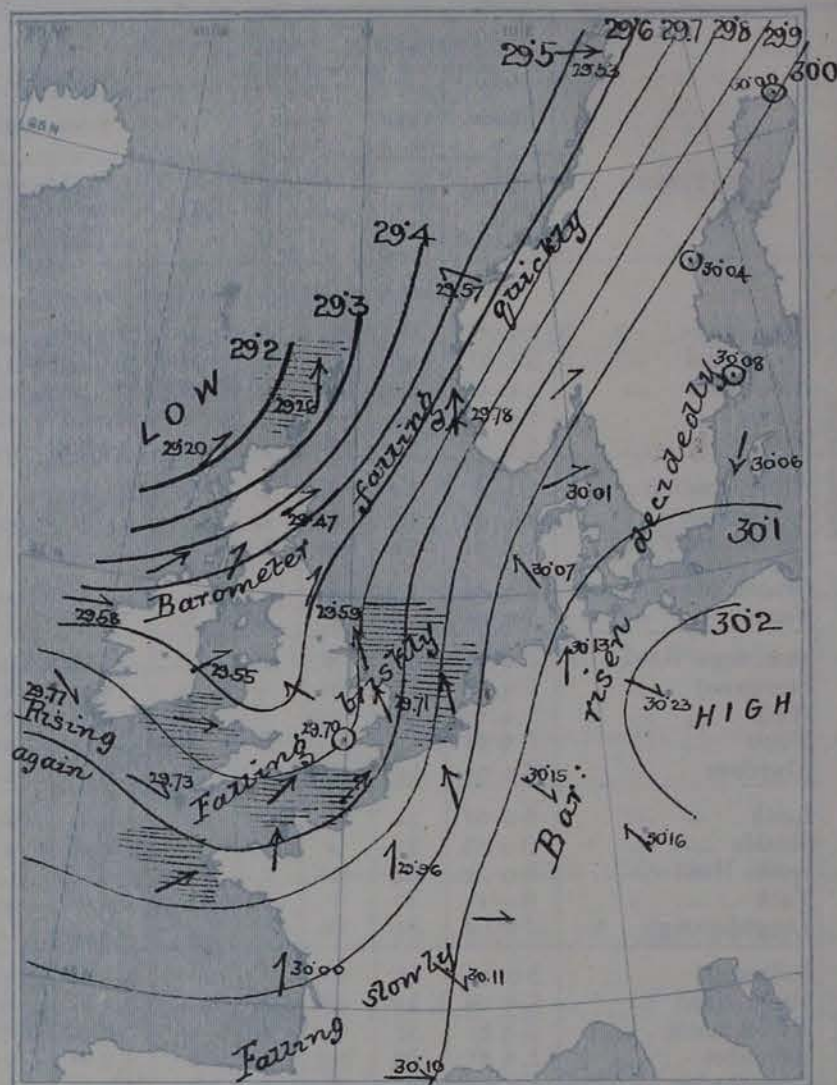
EXPLANATION OF MAP

Changes since previous morning are stated in words.

their barbs and feathers refer to force thus—

$\bullet \rightarrow \bullet =$ forces above 10 ; $\bullet \rightarrow \bullet =$ forces 8 to 10
 $\bullet \rightarrow \bullet =$ forces 6 to 8 ; $\bullet \rightarrow \bullet =$ forces 4 to 6
 $\bullet \rightarrow \bullet =$ forces 2 to 4 ; $\bullet \rightarrow \bullet =$ forces 1 to 2

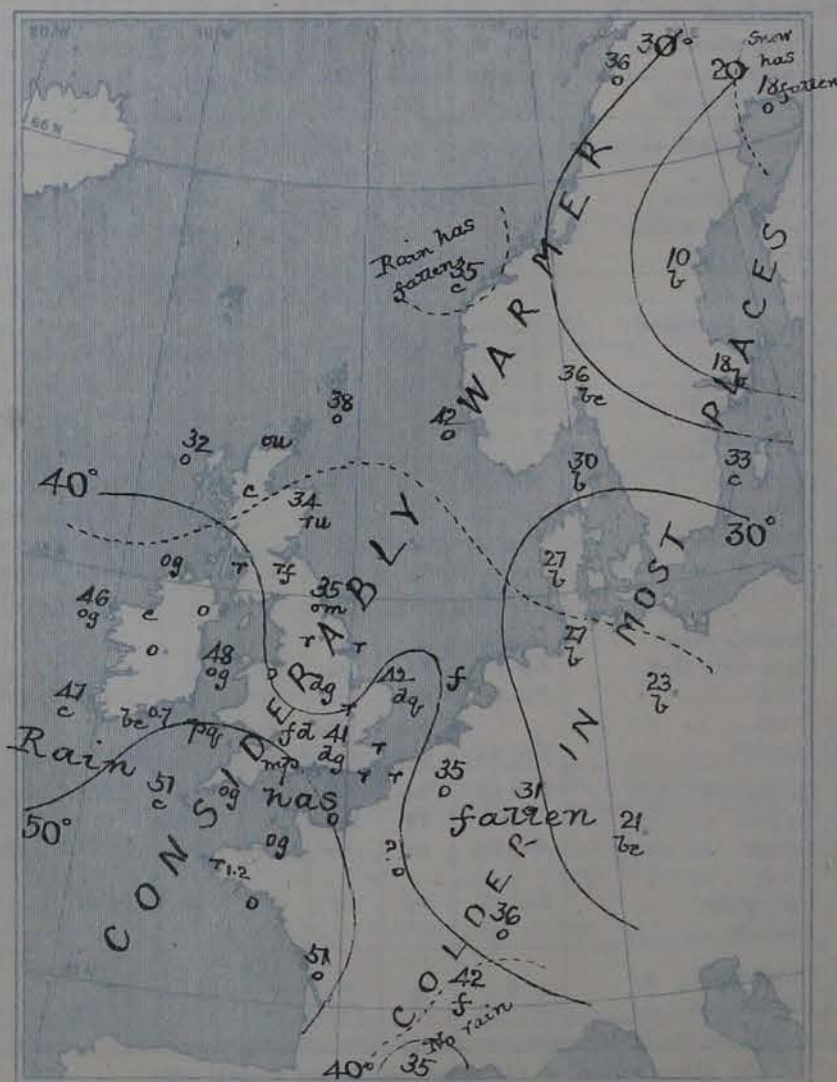
SEA DISTURBANCE.—Where considerable, is shown thus:



WITH RAINFALL IN PAST 24 HOURS.

WEATHER is shown by Letters of the Beaufort Scale.

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



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.2 ins. and more to 30.0 ins. over Germany, Spain, and the south of France.
 Lowest, 29.2 ins. and less, to the northward of Cape Wrath.
 Gradients steep over the northern parts of the North Sea and over Scandinavia, moderate to slight elsewhere.
 Barometer rising a little in Ireland, falling elsewhere — rapidly in Scotland and Norway.

TEMPERATURE

Highest, 55° at Frint and West, 54° at Jersey and 51° to 50° along the south coast of England.
 Lowest, (1) 10° at Hvarsand, 18° at Hafnarfjörður and Stockholm; (2) 21° at Munich, 23° at Berlin.
 It has risen decidedly over England and Ireland during the night.

WIND

S⁴ over the North Sea, moderate to a gale in force; SW³ to W³, fresh, in the Channel; SW³ to NW⁴ in Ireland;
 S⁴ over the west and north of France.
 A moderate gale from the E⁴ was experienced on our southwestern coasts last night.

WEATHER

Very unsettled generally; clear at some stations, overcast in most places, and rainy at several.
 Rain has fallen generally, except in the north, but the amounts measured are not large, except at Brest where 1.2 ins. fell.

SEA

Moderate to rough on the exposed parts of all our coasts.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The distribution of pressures and the changes in progress are of a very changeable type; and unsettled weather is likely to continue, with rain at times.

FORECASTS

For the 24 hours ending at NOON on 4th December, 1892.

DISTRICTS.

FORECASTS.

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

SW² winds, strong to tight;
 unsettled, rain at times.
 Same as N°5
 S² to W⁴ and NW⁴ winds; very
 changeable, occasional rain.

DISTRICTS.

FORECASTS.

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

SW² and W² winds, moderate;
 showery, changeable.
 NW² to SW⁴ and S² winds; very
 changeable, unsettled, showery.

WARNINGS

SOUTH CONE lowered in district 8 —
 still up in districts 7, 9 and 10.

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

YESTERDAY'S 2 P.M. REPORTS.

| | BAR. | THER. | | WIND. Dirac. | F. | WEA. | SEA. | | BAR. | THER. | | WIND. Dirac. | F. | WEA. | SEA. |
|-----------------|-------|-------|------|-----------------|----|------|------|-------------------|-------|-------|------|-----------------|----|------|------|
| | | Dry. | Wet. | | | | | | | Dry. | Wet. | | | | |
| Skudesnaes ... | 30.00 | 33 | 32 | E | 2 | c | 2 | Valencia ... | 29.85 | 47 | 44 | E | 7 | cq | 6 |
| Sumburgh Head | 29.95 | 35 | 33 | W | 2 | c | 4 | Scilly ... | 29.92 | 52 | 51 | ESE | 4 | m | 4 |
| Stornoway ... | 30.02 | 35 | 35 | SW | 2 | o | 3 | Jersey ... | 30.07 | 48 | 47 | ESE | 3 | om | 3 |
| Aberdeen ... | 30.10 | 32 | 28 | W | 1 | b | 3 | Hurst Castle | 30.12 | 43 | 41 | E | 4 | cm | 4 |
| Shields ... | 30.15 | 32 | 30 | W | 3 | bcm | 4 | Dungeness... | 30.14 | 44 | 40 | E | 3 | b | 2 |
| Ardrossan ... | 30.12 | 32 | 30 | NE | 1 | b | 1 | North Foreland... | 30.11 | 41 | 36 | NNE | 2 | b | 3 |
| Malin Head ... | 30.05 | 37 | 35 | SSE | 4 | c | 2 | London ... | 30.18 | 41 | 36 | SE | 2 | bcm | 3 |
| Mullaghmore ... | 30.03 | 38 | 36 | ENE | 4 | c | 2 | Yarmouth ... | 30.15 | 39 | 36 | NW | 3 | b | 3 |
| Belmullet ... | 29.99 | 39 | 36 | E | 2 | o | # | Rocheport ... | 30.12 | 54 | 53 | WSW | 4 | o | # |
| Holyhead ... | 30.10 | 38 | 36 | SSE | 1 | c | 1 | | | | | | | | |

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

Weather fine over the greater part of the United Kingdom, with mist or fog in places, but dull on our extreme southwest coasts. Fine also in Scandinavia and the southern parts of Europe, but dull over Russia and the more central countries; rain reported over the north of France, and snow in Denmark and North Germany, as well as at Christiansund. Rain setting in later over nearly the whole of England, Ireland, and France; solar and lunar halo seen in many parts of the United Kingdom.

Temperature fallen generally, but risen over Central France and south Germany. Morning readings highest 62° at Malta, 59° at Brest and Algiers, and 57° at Nemours; above 50° over the central and southern parts of the Mediterranean generally as well as in the west of France. Lowest (1) 14° at Uleaborg, 17° at Kapananda and Kuopio, (2) 17° at Hermannstadt and 16° at Charkov; below the freezing point over Sweden, Russia, and Austria generally, as well as over Central Spain and the northern and central parts of the United Kingdom. Daily maxima below 40° at many of our northern stations, and very little above it in the southeast of England; thermometer exceeding 50° in France and Spain.

Wind E^{ly} in the west and south of our Islands, moderate in force generally, but strong at Valencia Island. Light from the NW^{wd} in the north and east of Britain, and moderate to strong from the same quarter on the eastern shores of the North Sea, SW^{ly} over Russia and south Germany, as well as in the west of Norway. Light from the NW^{wd} in Italy, and from the NE^{ly} in Spain, S^{ly} in Algeria. Subsequently increasing to a strong breeze from the SE^{wd} on our southwest coasts.

Barometer highest 30.4 in. and upwards, over Central Spain, 30.2 in. and upwards, in an anticyclone covering southern Europe and the western part of the Mediterranean; 30.1 in. in another system lying over Great Britain. Lowest 29.4 in. and less, in a depression lying over the north of Russia, 29.6 in. and less, in a V shaped secondary system extending southwards over Finland and the Baltic, 30.0 in. and less, in a shallow system lying to the southwestward of our Islands. Last mentioned disturbance subsequently advancing in an easterly direction, and barometer falling briskly on our west and southwest coasts.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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

" Weekly " " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on Sunday 4th December, 1892.

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

| STATIONS. | | YESTERDAY EVENING. (See note at bottom of last page.) | | | | | THIS MORNING. (See note at bottom of last page.) | | | | | | | | | | PAST 24 HOURS. | | | | |
|---------------------|-------------------------------|--|-------|--|--------------|----------|---|---------------------------|--|--|--------------|--------------|--------------------------------------|------------------|----------|--------------|---------------------------|------------------------|------|------|--|
| | | Barom. | Temp. | Wind. | | Weather. | Barometer. | | Shade Temp. | | | Wind. | | Sea (0 to 9). | Weather. | Shade Temp. | | Amount of Rainfall. | | | |
| | | | | Reading at 8 ² P. and Sea Level. | Dry Bulb. | | Dirce. | Force (0 to 12). | Reading at 8 ² P. and Sea Level. | Change since Yester- day Morn. | Dry Bulb. | Wet Bulb. | Change in dry since Yesterday. | | | Dirce. | Force (0 to 12). | | Max. | Min. | |
| | | Ina. | ° | | | | Ina. | | ° | ° | ° | | | | | ° | Ina. | | | | |
| SCANDINAVIA. | Haparanda ... | 30.02 | 27 | SW | 6 | c | 30.02 | + .02 | 23 | 22 | + 5 | S | 4 | 0 | # | c | 28 | 7 | — | | |
| | Hernösand ... | 29.93 | 30 | SW | 6 | b | 29.82 | — .22 | 35 | 33 | + 25 | SW | 8 | 0 | # | b | ? | 7 | — | | |
| | Stockholm ... | 29.97 | 22 | SE | 2 | b | 29.69 | — .39 | 34 | 32 | + 16 | SE | 6 | 0 | # | b | ? | 16 | — | | |
| | Wisby ... | 30.00 | 29 | NNE | 4 | bc | 29.67 | — .39 | 35 | 33 | + 2 | SSE | 4 | 0 | # | bc | 37 | 25 | — | | |
| | Bodö ... | 29.43 | 32 | E | 6 | b | 29.49 | — .04 | 32 | 28 | — 4 | E | 6 | 0 | # | b | 37 | 23 | — | | |
| | Christiansund... | 29.21 | 37 | ESE | 9 | o | 29.07 | — .50 | 37 | 32 | + 2 | ESE | 7 | c | 4 | o | 37 | 36 | — | | |
| | Skudesnaes ... | 29.17 | 36 | SSE | 9 | o | 29.03 | — .75 | 39 | 35 | — 3 | SSW | 5 | o | 6 | o | 43 | 34 | — | | |
| | Christiania Fjord (Færder) | 29.66 | 36 | SSE | 7 | b | 29.22 | — .77 | 32 | 32 | — 4 | ESE | 8 | s | 5 | b | 36 | 30 | — | | |
| | Skagen (The Scaw) | 29.41 | 34 | S | 8 | o | 29.13 | — .88 | 35 | 35 | + 5 | S | 8 | s | 6 | o | 37 | 32 | 0.24 | | |
| | Fanö ... | 29.35 | 30 | SE | 6 | o | 29.14 | — .93 | 37 | 35 | + 10 | WNW | 4 | o | # | s.o | 37 | 27 | 0.24 | | |
| BRITISH ISLANDS. | Sumburgh Head | 28.94 | 36 | W | 4 | c | 28.98 | — .28 | 33 | 31 | — 5 | NW | 3 | bc | 4 | c | 41 | 30 | 0.19 | | |
| | Stornoway ... | 29.04 | 34 | NW | 5 | s | 29.37 | + .17 | 34 | 34 | + 2 | NW | 6 | c | 5 | s | 37 | 28 | 0.10 | | |
| | Wick ... | 29.96 | 32 | W | 3 | bc | 29.14 | — .09 | 31 | 29 | — 7 | NW | 6 | cu | 5 | bc, sp | 39 | 28 | 0.12 | | |
| | Nairn ... | 29.11 | 32 | SW | 3 | s | 29.34 | + .06 | 29 | 29 | — 8 | WNW | 3 | c | 3 | s | 40 | 29 | 0.24 | | |
| | Aberdeen ... | 29.15 | 23 | WSW | 3 | b | 29.30 | — .17 | 29 | 27 | — 5 | WNW | 5 | bc | 3 | g b, sp. | 37 | 29 | 0.03 | | |
| | Leith ... | 29.28 | 31 | WSW | 2 | b | 29.42 | — .10 | 28 | 27 | — 8 | W | 2 | b | # | b | 43 | 22 | 0.03 | | |
| | Shields ... | 29.33 | 38 | W | 3 | c | 29.41 | — .18 | 29 | 28 | — 6 | W | 2 | b | 3 | o, r, c | 38 | 28 | 0.01 | | |
| | Spurn Head ... | 29.39 | 43 | WSW | 3 | o | 29.39 | — .23 | 33 | 33 | — 6 | W | 4 | b | 5 | op | 43 | 32 | 0.01 | | |
| | York ... | 29.38 | 41 | SW | 3 | r | 29.45 | — .19 | 30 | 30 | — 4 | WNW | 1 | b | # | r | 42 | 29 | 0.08 | | |
| | Loughborough | 29.47 | 44 | WSW | 3 | o | 29.53 | — .13 | 29 | 29 | — 7 | W | 3 | bc, sp | # | o | 48 | 29 | 0.26 | | |
| GERMANY & HOLLAND. | Ardrrossan ... | 29.33 | 36 | W | 3 | o | 29.51 | + .08 | 30 | 29 | — 14 | N | 3 | bc | 2 | o | 46 | 26 | 0.14 | | |
| | Malin Head ... | 29.36 | 38 | NW | 6 | c | 29.54 | + .11 | 33 | 33 | — 10 | NW | 6 | og, sp | 4 | c | 43 | 31 | 0.19 | | |
| | Mullaghmore ... | 29.52 | 29 | WNW | 8 | c | 29.69 | + .13 | 35 | 34 | — 8 | WNW | 8 | chrg | 7 | chrg | 46 | 32 | 0.10 | | |
| | Belmullet ... | 29.60 | 41 | WNW | 6 | o | 29.78 | + .20 | 33 | 32 | — 13 | NW | 5 | os | # | o | 42 | 32 | 0.10 | | |
| | Donaghadee ... | 29.44 | 34 | NW | 4 | o | 29.56 | + .03 | 34 | 33 | — 9 | N | 4 | b | 2 | o, s | 43 | 29 | 0.11 | | |
| | Liverpool (Bidston) | 29.45 | 41 | W | 5 | o | 29.52 | — .07 | 36 | 34 | — 1 | WNW | 7 | chp | 5 | o | 46 | 34 | 0.17 | | |
| | Holyhead ... | 29.50 | 42 | NW | 5 | c | 29.58 | + .03 | 37 | 35 | — 11 | WNW | 7 | chq | 6 | ogc | 48 | 34 | 0.10 | | |
| | Parsonstown ... | 29.61 | 37 | NW | 1 | o | 29.79 | + .15 | 32 | 29 | — 8 | NW | 1 | b | # | os | 45 | 29 | 0.40 | | |
| | Valencia ... | 29.75 | 44 | NW | 6 | o | 29.94 | + .17 | 42 | 37 | — 5 | NW | 6 | og, sp | 5 | opq | 50 | 37 | 0.13 | | |
| | Roche's Point | 29.68 | 44 | NW | 4 | o | 29.88 | + .18 | 37 | 35 | — 10 | NW | 3 | bc | 3 | op | 49 | 35 | 0.20 | | |
| FRANCE AND BELGIUM. | Pembroke (St. Ann's Hd.) | 29.68 | 48 | W | 6 | r | 29.74 | + .11 | 39 | 35 | — 11 | NW | 7 | bc | 6 | r | 50 | 38 | 0.11 | | |
| | Scilly ... | 29.73 | 31 | NW | 5 | o | 29.85 | + .12 | 44 | 40 | — 7 | WNW | 6 | bcq | 4 | epo | 53 | 39 | 0.20 | | |
| | Prawle Point ... | 29.66 | 47 | W | 4 | c | 29.77 | + .06 | 34 | 34 | — 16 | WNW | 4 | bc | 3 | c, p, sp | 51 | 33 | 0.11 | | |
| | Jersey (St. Aubin's) | 29.68 | 53 | W | 4 | bc | 29.77 | — .04 | 44 | 39 | — 10 | NW | 5 | bc, p | 4 | bc, p | 54 | 40 | 0.40 | | |
| | Hurst Castle ... | 29.60 | 49 | W | 5 | c | 29.67 | — .03 | 36 | 34 | — 15 | WNW | 5 | b | 4 | cp | 52 | 33 | 0.19 | | |
| | Dungeness ... | 29.54 | 50 | W | 4 | c | 29.57 | — .14 | 34 | 33 | — 17 | WNW | 5 | b | 4 | c | 52 | 33 | 0.12 | | |
| | North Foreland | 29.51 | 50 | W | 2 | c | 29.51 | — .17 | 36 | 34 | — 14 | WNW | 5 | cgs | 4 | c | 52 | 35 | 0.31 | | |
| | London ... | 29.54 | 48 | SW | 2 | bc | 29.58 | — .12 | 34 | 31 | — 7 | WNW | 3 | b | # | o, q, sp, bc | 52 | 33 | 0.09 | | |
| | Oxford ... | 29.52 | 44 | W | 3 | o | 29.60 | — .08 | 32 | 30 | — 9 | W | 3 | b | # | ors | 49 | 32 | 0.02 | | |
| | Cambridge ... | 29.45 | 46 | S | 2 | r | 29.52 | — .15 | 32 | 32 | — 8 | W | 2 | bc | # | rsq | 50 | 32 | 0.08 | | |
| PENINSULA. | Yarmouth ... | 29.45 | 46 | W | 4 | c | 29.44 | — .27 | 33 | 32 | — 9 | WNW | 5 | bc | 4 | gmc | 47 | 31 | 0.01 | | |
| | Cuxhaven ... | 29.67 | 36 | S | 6 | s | 29.25 | — .88 | 39 | 38 | + 12 | SW | 3 | o | # | s | 39 | 33 | 0.70 | | |
| | Berlin ... | 29.81 | 29 | SSW | 3 | o | 29.47 | — .76 | 34 | 33 | + 11 | SSE | 2 | o | # | o | 34 | 23 | 0.04 | | |
| | Wiesbaden ... | # | # | # | # | # | 29.45 | — .70 | 37 | 37 | + 6 | SW | 2 | r | # | # | 37 | 32 | 0.20 | | |
| | Munich ... | 29.92 | 29 | SW | 5 | o | 29.65 | — .51 | 31 | 30 | + 10 | SW | 3 | o | # | o | 32 | 21 | — | | |
| | The Helder ... | 29.44 | 45 | WSW | 1 | c | 29.35 | — .59 | 41 | 37 | + 5 | WNW | 7 | c | 4 | c | 46 | 35 | 0.32 | | |
| | Brussels (9 a.m.) | # | # | # | # | # | 29.50 | — .39 | 36 | 35 | + 1 | WSW | 2 | bc | # | r | 50 | 35 | 0.55 | | |
| | Cape Gris Nez | 29.55 | 50 | WSW | 6 | c | 29.54 | — .23 | 36 | 35 | — 11 | NW | 6 | bc | 6 | c | 54 | 30 | 0.20 | | |
| | Paris ... | 29.77 | 49 | SSW | 5 | o | 29.63 | — .33 | 43 | 41 | — 2 | NW | 4 | r | # | o | 53 | ? | 0.32 | | |
| | Brest ... | # | 53 | NW | 4 | o | ? | ? | 46 | 46 | — 9 | NW | 5 | c | 4 | o | 55 | 45 | 0.35 | | |
| FRANCE AND BELGIUM. | Lorient ... | 29.76 | 53 | WNW | 5 | c | 29.88 | — .00 | 46 | 43 | — 9 | NW | 6 | c | 4 | c | 55 | 46 | 0.08 | | |
| | Rochefort ... | 29.88 | 54 | WSW | 6 | o | 29.88 | — .12 | 50 | 50 | — 1 | W | 6 | c | # | b | 55 | 43 | 0.20 | | |
| | Belfort ... | ? | 40 | SW | 2 | f | ? | ? | 40 | 40 | + 4 | SW | 6 | r | # | f | 43 | 40 | 0.16 | | |
| | Lyons ... | 29.98 | 43 | S | 1 | bc | 29.82 | — .27 | 41 | 39 | — 1 | SW | 1 | r | # | bc | 44 | 39 | 0.04 | | |
| | Nice ... | 30.09 | 43 | ENE | 1 | c | 29.81 | — .27 | 42 | 37 | — | E | 1 | b | # | c | 52 | 41 | — | | |
| PENINSULA. | Perpignan ... | 30.06 | 43 | SW | 1 | bc | 29.97 | — .13 | 53 | 48 | + 18 | W | 3 | o | # | bc | 53 | 36 | — | | |
| | Biarritz ... | 30.02 | 54 | W | 5 | o | 30.06 | — | 55 | ? | — | W | 6 | r | # | o | 54 | 46 | 0.47 | | |
| PENINSULA. | Corunna ... | # | # | # | # | # | 30.40 | + .17 | 56 | 55 | + 12 | NW | 3 | bc | # | b | 59 | 54 | — | | |
| | Lisbon ... | 30.29 | 56 | W | 3 | b | | | | | | | | | | | | | | | |

For Explanation of Columns, see bottom of last page.

† Received too late for insertion in Charts on next page.

WEATHER CHARTS

for 8 a.m. on Sunday, 4th Dec. 1892.

BAROMETER, WIND AND SEA.

EXPLANATION OF MAP.

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

Changes since previous morning are stated in words.

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

their bars and feathers refer to force thus—

— forces above 10; — forces 8 to 10;

— forces 5 to 7; — forces 1 to 4.

☉ = dead calm.

SEA DISTURBANCE—Where considerable, is shown thus:

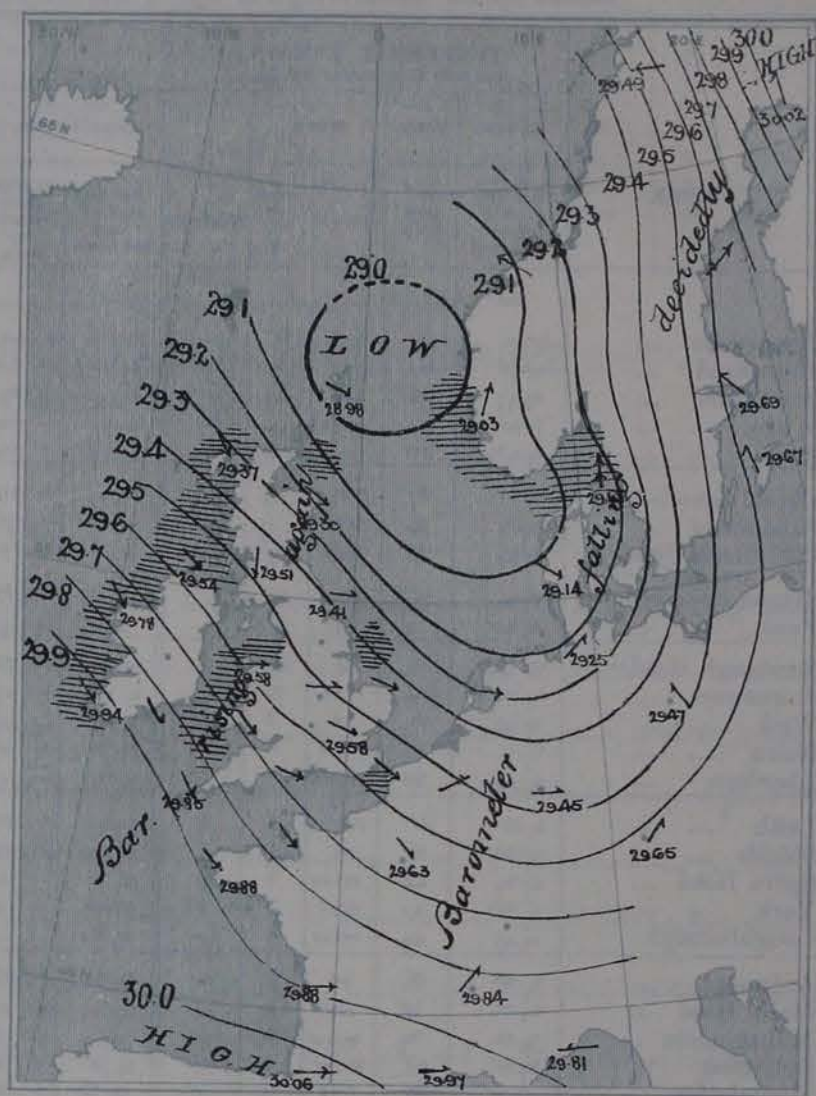
— = Rough. — = High.

MEAN HEIGHT OF THE BAROMETER

at 8 a.m. for the month of December

During the 20 Years: 1871—1890.

| STATIONS. | MEAN READINGS. |
|--------------------|----------------|
| Samburgh Head..... | 29.773 |
| Stormway..... | 29.765 |
| Wick..... | 29.718 |
| Nairn..... | 29.743 |
| Aberdeen..... | 29.767 |
| Leith..... | 29.807 |
| Shields..... | 29.816 |
| Spurn Head..... | 29.873 |
| York..... | 29.890 |
| Loughborough..... | 29.924 |
| Ardrossan..... | 29.920 |
| Mullaghmore..... | 29.921 |
| Donaghadee..... | 29.848 |
| Holyhead..... | 29.879 |
| Liverpool..... | 29.905 |
| Parsonstown..... | 29.901 |
| Valencia..... | 29.905 |
| Rocha's Point..... | 29.912 |
| Pembroke..... | 29.910 |
| Sally..... | 29.931 |
| Prawle Point..... | 29.970 |
| Jersey..... | 29.985 |
| Harst Castle..... | 29.958 |
| Dover..... | 29.933 |
| LONDON..... | 29.931 |
| Oxford..... | 29.955 |
| Cambridge..... | 29.941 |
| Yarmouth..... | 29.916 |



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

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

WEATHER—is shown by Letters of the Beaufort Scale.

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

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of December.)

| STATIONS. | TEMPERATURE. | | | | RAINFALL <i>Inches.</i> |
|---------------------|---------------|---------------|-----------|------|----------------------------|
| | Daily Max. | Daily Min. | at 8 a.m. | | |
| | | | Dry. | Wet. | |
| Samburgh Head..... | 42.6 | 35.0 | 39.6 | 38.1 | 1.25 |
| Stormway | 43.1 | 34.2 | 39.4 | 38.5 | 0.65 |
| Wick | 42.2 | 32.7 | 38.1 | 36.8 | 3.10 |
| Nairn | 41.9 | 32.8 | 37.1 | 35.6 | 1.95 |
| Aberdeen | 41.9 | 32.6 | 36.9 | 35.2 | 3.24 |
| Leith | 44.0 | 33.7 | 38.5 | 37.0 | 1.80 |
| Shields | 43.9 | 33.9 | 38.3 | 36.9 | 2.57 |
| Spurn Head..... | 43.4 | 35.3 | 38.8 | 37.7 | 2.14 |
| York | 42.3 | 32.3 | 36.4 | 35.4 | 2.28 |
| Loughborough | 42.7 | 32.2 | 36.3 | 35.1 | 2.24 |
| Ardrossan | 41.5 | 35.9 | 40.0 | 38.7 | 3.73 |
| Mullaghmore | 40.5 | 37.8 | 42.2 | 39.8 | 4.61 |
| Donaghadee | 45.8 | 36.2 | 40.2 | 39.3 | 2.84 |
| Holyhead | 40.4 | 39.1 | 42.8 | 41.1 | 3.82 |
| Liverpool | 43.5 | 35.6 | 38.8 | 37.1 | 2.59 |
| Parsonstown | 41.7 | 33.1 | 37.8 | 36.0 | 3.01 |
| Valencia | 49.7 | 40.0 | 44.6 | 42.4 | 5.99 |
| Rocha's Point | 47.9 | 38.9 | 42.9 | 41.5 | 4.95 |
| Pembroke | 46.8 | 40.3 | 43.6 | 42.2 | 3.99 |
| Sally | 49.5 | 43.1 | 47.0 | 45.1 | 4.02 |
| Prawle Point | 47.0 | 38.2 | 42.5 | 41.1 | 3.76 |
| Jersey | 47.3 | 39.3 | 43.1 | 41.4 | 3.82 |
| Harst Castle | 45.6 | 36.3 | 40.6 | 39.8 | 2.78 |
| Dover | 44.3 | 35.9 | 39.8 | 38.6 | 3.00 |
| LONDON | 44.0 | 33.9 | 37.8 | 36.7 | 2.10 |
| Oxford | 42.9 | 33.5 | 37.0 | 35.9 | 2.10 |
| Cambridge | 42.8 | 31.6 | 36.2 | 35.3 | 1.88 |
| Yarmouth | 41.9 | 31.7 | 37.9 | 37.0 | 2.60 |

NOTE.—The Temperature means are for the 20 years 1871-80, the Rainfall means are mainly those for the 25 years 1866-90.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, (1) 30.4 in. to 30.0 in. over the Spanish Peninsula and the Bay of Biscay; (2) 29.7 in. to 30.0 in. and more over the Gulf of Bothnia and Finland.
 Lowest, 29.0 in. and less, in a depression lying between the Shetlands and Norway, and below 29.2 in. over the eastern side of the North Sea.
 Gradient steep over Scotland and off our eastern coast, very steep over Sweden.
 Barometer rising a little over our Islands as a whole, falling fast on the eastern shores of the North Sea.

TEMPERATURE

Highest, 56° at Fife, 55° at Birnigh, 44° at Jersey and Killy.
 Lowest, 23° at Haparanda, 29° to 31° over Scotland and the northeastern and inland parts of England; 31° at Munich.
 It has fallen very decidedly all over our Islands during the night, risen over Germany and the east of France.

WIND

NW¹ all over the United Kingdom, moderate to smooth in the south and east, strong to a gale in the west and north.
 W¹ over the Netherlands—a gale at the Helder.
 S¹ over north Germany, S¹ to SE¹ over Scandinavia—blowing hard in many places.
 A severe gale has been felt over Caithness in the night.

WEATHER

Clear and bright over the eastern, midland, and southern parts of England, rainy in France and Western Germany.
 Snow or sleet falling over many of our western and northern districts.
 Sleet or snow has fallen more or less at all our stations. Solar and lunar halos have been seen in many places.

SEA

High at Mullaghmore, rough in the north and west generally and on the French coast, moderate on our south and east coasts.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

For the 24 hours ending at NOON on 5th DEC^r 1892.

DISTRICTS.

FORECASTS.

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

None issued

DISTRICTS.

FORECASTS.

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

None issued

WARNINGS

At 7.20 pm yesterday to districts 0 to 2 and 6 to 10.

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

YESTERDAY'S 2 P.M. REPORTS.

| | BAR. | THER. | | WIND. | F. | WEA. | SEA. | | BAR. | THER. | | WIND. | F. | WEA. | SEA. |
|-------------------|-------|-------|------|--------|----|------|------|--------------------|-------|-------|------|--------|----|------|------|
| | | Dry. | Wet. | Dirac. | | | | | | Dry. | Wet. | Dirac. | | | |
| Stadesnaes ... | 29.48 | 43 | 35 | SE | 9 | ohg | 8 | Valencia ... | 29.72 | 49 | 47 | W | 6 | opg | 6 |
| Sumburgh Head ... | 29.01 | 37 | 35 | W | 6 | 0 | 6 | Scilly ... | 29.72 | 52 | 60 | WNW | 5 | op | 4 |
| Stornoway ... | 29.12 | 33 | 33 | WNW | 3 | S | 3 | Jersey ... | 29.72 | 53 | 52 | WSW | 4 | op | 4 |
| Aberdeen ... | 29.19 | 36 | 35 | WNW | 3 | ogw | 4 | Hurst Castle ... | 29.62 | 51 | 50 | W | 4 | op | 5 |
| Shields ... | 29.33 | 37 | 36 | SW | 3 | 0 | 3 | Dungeness ... | 29.59 | 52 | 51 | WSW | 6 | op | 5 |
| Ardrossan ... | 29.33 | 43 | 44 | W | 4 | 0 | 3 | North Foreland ... | 29.59 | 52 | 50 | W | 4 | r | 4 |
| Malin Head ... | 29.37 | 36 | 35 | WNW | 7 | 0 | 4 | London ... | 29.56 | 52 | 51 | WSW | 3 | c | * |
| Mullaghmore ... | 29.50 | 41 | 38 | WNW | 8 | ohrg | 6 | Yarmouth ... | 29.52 | 47 | 46 | WSW | 4 | omg | 4 |
| Belmullet ... | 29.50 | 42 | 37 | NW | 5 | 0 | * | Rochefort ... | 29.97 | 53 | 50 | SSW | 4 | b | * |
| Holyhead ... | 29.51 | 46 | 43 | W | 4 | og | 3 | | | | | | | | |

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

Weather dull at all but our extreme southwestern stations, with rain in many parts of ^W Britain. Fine and bright in Sweden, Denmark, and Germany, but cloudy in most other countries, with rain at San Fernando. Snow falling later in Scotland, hail or sleet showers in Ireland, and rain at most of the Dutch, German, and French stations, as well as in northern Italy.

Temperature risen broadly in our Islands and Norway, and slightly in Spain and northern Italy, but fallen elsewhere. Morning readings highest (1) 63° at Algiers, 61° at Malta, and 53° at several other of the Mediterranean stations; (2) 55° at Brest and Lorient, and 54° at Jersey; above 50° over the English Channel generally. Lowest 10° at Helsingfors, 11° at Uleaborg, 15° at Kuopio, and 18° at Haparanda and Stockholm, below the freezing ^{point} over northern, eastern, and central Europe generally, and very little above it over the northern parts of ^W Britain. Daily maxima below 40° at several of our northern stations, but above 50° on our south and southwest coasts and also in France. Exceeding 60° over the southern parts of Spain and Italy, ^{reaching} 68° at Palermo.

Wind NW³ on our southwest coasts, but SW³ or S³ in most other parts of our Islands and France; S³ or SE³ on the eastern shores of the North Sea, with a gale at Skudenes. Calm in Sweden, N³ over the Baltic; W³ in Poland and eastern Germany; variable in the south of Russia. Chiefly N³ in Italy and NE³ in Spain, but variable in Algeria. Subsequently veering to the W³ or NW³ in all parts of our Islands, and blowing very strongly in the west. Strong SE³ gale setting in on the Norwegian coast.

Barometer highest 30.3 ins and upwards in Bohemia; 30.1 ins and upwards in a large anticyclone covering the whole of central and southern Europe, with the Mediterranean. Lowest 29.2 ins and less, in a well marked depression lying off the northwest of Scotland; 29.8 ins and less, in a shallow disturbance over the Baltic Provinces. Former depression subsequently moving eastward and also spreading out in a southerly direction, gradients becoming very steep over Scandinavia and Denmark, and rather steep over the western and northern parts of the United Kingdom.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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

" Weekly " " " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on Monday, 5th December,

1892.

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

| STATIONS. | | YESTERDAY EVENING. (See note at bottom of last page.) | | | | | THIS MORNING. (See note at bottom of last page.) | | | | | | | | | | PAST 24 HOURS. | | | | |
|---------------------|-------------------------------|--|-------|---|--------------|----------|---|---------------------------|---|--|--------------|--------------|--------------------------------------|------------------|----------|-------------|---------------------------|------------------------|------|------|--|
| | | BAROM. | TEMP. | WIND. | | Weather. | BAROMETER. | | SHADE TEMP. | | | WIND. | | Sea (0 to 9). | Weather. | SHADE TEMP. | | Amount of Rainfall. | | | |
| | | | | Reading at 32° F. and Sea Level. | Dry Bulb. | | Dirac. | Force (0 to 12). | Reading at 32° F. and Sea Level. | Change since Yester- day Morn. | Dry Bulb. | Wet Bulb. | Change in dry since Yesterday. | | | Dirac. | Force (0 to 12). | | Max. | Min. | |
| | | Ina. | ° | | | | Ina. | ° | ° | ° | | | | | | | | Ina. | | | |
| SCANDINAVIA. | Haparanda ... | 30.08 | 25 | SE | 4 | 0 | 30.13 | +1.1 | 17 | 16 | -6 | E | 4 | 0 | # | 0 | 28 | ? | - | | |
| | Hernösand ... | 29.75 | 32 | SE | 8 | 0 | 29.84 | +0.2 | 31 | 29 | -4 | SE | 6 | 0 | # | 0 | 36 | 27 | 0.24 | | |
| | Stockholm ... | 29.50 | 33 | SE | 9 | S | 29.56 | -1.3 | 31 | 31 | -3 | SE | 8 | S | # | S | 37 | 21 | 0.16 | | |
| | Wisby ... | | | | | | | | | | | | | | | | | | | | |
| | Bodö ... | 29.65 | 33 | S | 4 | 0 | 29.77 | +2.8 | 32 | 29 | 0 | ESE | 6 | 0 | # | 0 | 34 | 23 | - | | |
| | Christiansund... | 29.12 | 37 | ESE | 7 | bc | 29.28 | +2.1 | 36 | 32 | -1 | ESE | 4 | bc | 3 | bc | 37 | 30 | - | | |
| | Skudesnaes ... | 29.13 | 34 | N | 2 | 0 | 29.20 | +1.7 | 36 | 33 | -3 | E | 4 | c | 3 | cts | 39 | 32 | - | | |
| | Christiania Fjord (Færder) | 29.09 | 36 | E | 6 | S | 29.23 | +0.1 | 37 | 34 | +5 | W | 3 | 0 | 3 | S | ? | ? | - | | |
| | Skagen (The Scaw) | 29.13 | 35 | W | 1 | c | 29.24 | +1.1 | 33 | 31 | -2 | W | 1 | c | 0 | c | 37 | 30 | 0.12 | | |
| | Fanö ... | 29.25 | 30 | SE | 1 | b | 29.23 | +0.9 | 34 | 33 | -3 | S | 2 | c | # | b | 37 | 28 | 0.04 | | |
| ISLANDS. | Sumburgh Head | 29.13 | 31 | N | 5 | Sp | 29.25 | +2.7 | 34 | 33 | +1 | N | 4 | 0 | 4 | Sp | 35 | 30 | 0.10 | | |
| | Stornoway ... | 29.49 | 34 | N | 6 | S | 29.56 | +1.9 | 30 | 30 | -4 | N | 6 | S | 6 | S | 36 | 28 | 0.10 | | |
| | Wick ... | 29.26 | 31 | W | 8 | c | 29.36 | +2.2 | 30 | 29 | -1 | W | 6 | c | 3 | Sc | 35 | 29 | 0.30 | | |
| | Nairn ... | 29.44 | 33 | W | 4 | S | 29.52 | +1.8 | 28 | 28 | -1 | W | 3 | 0 | 3 | S | 34 | 26 | 0.04 | | |
| | Aberdeen ... | 29.35 | 32 | W | 8 | cq | 29.43 | +1.3 | 29 | 27 | 0 | W | 7 | bcq | 4 | csp | 32 | 29 | 0.04 | | |
| | Leith ... | 29.46 | 31 | W | 3 | b | 29.58 | +1.6 | 27 | 27 | -1 | W | 2 | bm | # | b | 34 | 26 | - | | |
| | Shields ... | 29.50 | 32 | W | 2 | b | 29.55 | +1.4 | 27 | 27 | -2 | W | 3 | b | 2 | b | 33 | 25 | - | | |
| | Spurn Head ... | 29.53 | 35 | W | 6 | bc | 29.57 | +1.8 | 32 | 32 | -1 | W | 5 | bc | 5 | bc | 36 | 31 | - | | |
| | York ... | 29.60 | 32 | N | 3 | c | 29.62 | +1.7 | 28 | 28 | -2 | W | 1 | b | # | c | 35 | 26 | - | | |
| | Loughborough | 29.68 | 31 | W | 5 | bc | 29.70 | +1.7 | 27 | 27 | -2 | W | 2 | c | # | bcq | 35 | 27 | 0.01 | | |
| BRITISH ISLANDS. | Ardrossan ... | 29.58 | 34 | W | 3 | bsp | 29.63 | +1.2 | 29 | 29 | -1 | W | 3 | b | 2 | bsp | 36 | 29 | 0.08 | | |
| | Malin Head ... | 29.66 | 35 | W | 6 | csp | 29.69 | +1.5 | 32 | 32 | -1 | W | 6 | osq | 4 | csp | 37 | 31 | 0.02 | | |
| | Mullaghmore ... | 29.77 | 38 | W | 8 | chryq | 29.79 | +1.0 | 36 | 34 | +1 | W | 6 | cshq | 4 | csh | 39 | 32 | 0.15 | | |
| | Belmullet ... | 29.80 | 36 | W | 5 | c | 29.87 | +0.9 | 38 | 34 | +5 | W | 5 | 0 | # | c | 39 | 32 | 0.09 | | |
| | Donaghadee ... | 29.69 | 32 | W | 3 | b | 29.72 | +1.6 | 28 | 28 | -6 | W | 3 | b | 1 | b | 34 | 25 | 0.29 | | |
| | Liverpool (Bidston) | 29.66 | 37 | W | 7 | bc | 29.71 | +1.9 | 31 | 30 | -5 | W | 5 | hsp | 4 | bc | 38 | 31 | 0.23 | | |
| | Holyhead ... | 29.71 | 37 | W | 5 | bcq | 29.75 | +1.7 | 37 | 34 | 0 | W | 5 | cq | 5 | bcq | 39 | 35 | 0.03 | | |
| | Parsonstown ... | 29.86 | 33 | W | 1 | bc | 29.87 | +0.8 | 29 | 28 | -3 | W | 0 | b | # | bc | 35 | 27 | - | | |
| | Valencia ... | 30.00 | 42 | W | 6 | oq | 29.98 | +0.4 | 42 | 39 | 0 | W | 5 | opm | 5 | oq | 43 | 37 | 0.02 | | |
| | Roche's Point | 29.91 | 38 | W | 5 | b | 29.92 | +0.4 | 37 | 35 | 0 | W | 3 | bc | 3 | sp. bc | 40 | 35 | 0.10 | | |
| GERMANY & HOLLAND. | Pembroke (St. Ann's Hd.) | 29.84 | 39 | W | 6 | bc | 29.83 | +0.9 | 38 | 36 | -1 | W | 4 | bc | 5 | bc | 40 | 36 | - | | |
| | Scilly ... | 29.92 | 44 | W | 5 | cp | 29.90 | +0.5 | 43 | 39 | -1 | W | 5 | c | 4 | cp | 45 | 38 | 0.04 | | |
| | Prawle Point ... | 29.89 | 35 | W | 3 | bc | 29.85 | +0.8 | 33 | 32 | -1 | W | 2 | b | 1 | bc | 41 | 31 | 0.04 | | |
| | Jersey (St. Aubin's) | 29.91 | 41 | W | 4 | bc | 29.86 | +0.9 | 41 | 35 | -3 | W | 4 | bc | 3 | bc. rs | 45 | 36 | 0.03 | | |
| | Hurst Castle ... | 29.80 | 36 | W | 5 | bcq | 29.78 | +1.1 | 32 | 31 | -4 | W | 5 | b | 3 | b | 42 | 31 | - | | |
| | Dungeness ... | 29.68 | 34 | W | 6 | b | 29.69 | +1.2 | 28 | 28 | -6 | W | 3 | b | 2 | b | 38 | 27 | - | | |
| | North Foreland | 29.63 | 35 | W | 6 | b | 29.66 | +1.5 | 33 | 32 | -3 | W | 4 | bcq | 3 | cq. b | 37 | 31 | - | | |
| | London ... | 29.72 | 33 | W | 2 | b | 29.71 | +1.3 | 30 | 29 | -4 | W | 2 | b | # | b. c. b | 37 | 29 | - | | |
| | Oxford ... | 29.74 | 31 | W | 4 | b | 29.75 | +1.5 | 30 | 29 | -2 | W | 3 | b | # | b | 37 | 29 | 0.01 | | |
| | Cambridge ... | 29.66 | 32 | W | 1 | b | 29.69 | +1.7 | 29 | 28 | -3 | W | 1 | b | # | b | 38 | 28 | - | | |
| FRANCE AND BELGIUM. | Yarmouth ... | 29.54 | 33 | W | 5 | bcq | 29.59 | +1.5 | 29 | 28 | -4 | W | 4 | bm | 4 | bcq | 35 | 27 | - | | |
| | Cuxhaven ... | 29.29 | 32 | W | 2 | bc | 29.35 | +1.0 | 33 | 32 | -6 | SW | 5 | 0 | # | bc | 39 | 32 | 0.20 | | |
| | Berlin ... | 29.37 | 35 | W | 3 | r | 29.44 | +0.2 | 32 | 31 | -2 | W | 3 | 0 | # | r | 36 | 30 | 0.24 | | |
| | Wiesbaden ... | | | | | | 29.66 | +2.1 | 30 | 29 | -7 | W | 2 | c | # | # | 41 | 28 | 0.24 | | |
| | Munich ... | 29.63 | 30 | W | 5 | S | 29.67 | +0.2 | 27 | 26 | -4 | W | 6 | S | # | S | 41 | 25 | 0.08 | | |
| | The Helder ... | 29.71 | 38 | W | 9 | S | 29.52 | +1.7 | 37 | 35 | -4 | W | 8 | c | 4 | S | 41 | 34 | 0.24 | | |
| | Brussels (a.m.) | | | | | | 29.67 | +1.7 | 30 | 30 | -6 | W | 3 | S | # | b | 36 | 29 | 0.12 | | |
| | Cape Gris Nez | 29.67 | 38 | W | 7 | c | 29.67 | +1.3 | 34 | 33 | -2 | W | 4 | bc | 3 | c | 39 | 30 | - | | |
| | Paris ... | 29.80 | 34 | W | 3 | b | 29.77 | +1.4 | 32 | 32 | -11 | W | 3 | 0 | # | b | 44 | 30 | 0.20 | | |
| | Brest ... | | 45 | W | 4 | c | | | 46 | 44 | 0 | W | 4 | r | 4 | c | 50 | 45 | 0.35 | | |
| PENINSULA. | Lorient ... | 30.00 | 44 | W | 6 | 0 | 29.89 | +0.1 | 43 | 41 | -3 | W | 5 | 0 | 4 | 0 | 54 | 43 | 0.04 | | |
| | Rochefort ... | 30.04 | 47 | W | 6 | c | 29.89 | +0.1 | 43 | 42 | -7 | W | 5 | 0 | # | c | 54 | 41 | 0.39 | | |
| | Belfort ... | | 36 | W | 4 | 0 | | | 28 | 25 | -12 | W | 3 | 0 | # | 0 | 45 | 24 | 0.12 | | |
| | Lyons ... | 29.90 | 40 | W | 2 | c | 29.88 | +0.4 | 33 | 31 | -8 | W | 1 | 0 | # | c | 47 | 32 | 0.12 | | |
| | Nice ... | 29.85 | 49 | W | 5 | 0 | 29.67 | -1.4 | 40 | 34 | -2 | W | 2 | b | 4 | 0 | 55 | 37 | - | | |
| | Perpignan ... | 29.93 | 52 | W | 6 | 0 | 29.86 | -1.1 | 52 | 48 | -1 | W | 5 | 0 | # | 0 | 59 | 48 | - | | |
| | Biarritz ... | 30.13 | 54 | W | 7 | r | 30.02 | -0.4 | 56 | 52 | +1 | W | 8 | r | 7 | r | 57 | 48 | 0.24 | | |
| | Corunna .. | | | | | | | | | | | | | | | | | | | | |
| | Lisbon ... | 30.39 | 55 | W | 2 | b | 30.36 | -0.4 | 53 | 50 | -3 | W | 3 | 0 | # | b | 63 | 50 | 0.08 | | |

For Explanation of Columns, see bottom of last page.

† Reserved too late for insertion in Charts on next page.

WEATHER CHARTS

for 8 a.m. on Monday, 5th December, 1892.

BAROMETER, WIND AND SEA.

EXPLANATION OF MAP

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

Changes since previous morning are stated in words.

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

their barbs and feathers refer to force thus—

— forces above 10; — forces 8 to 10;

— forces 5 to 7; — forces 1 to 4.

○ = dead calm.

SEA DISTURBANCE—Where considerable, is shown thus:

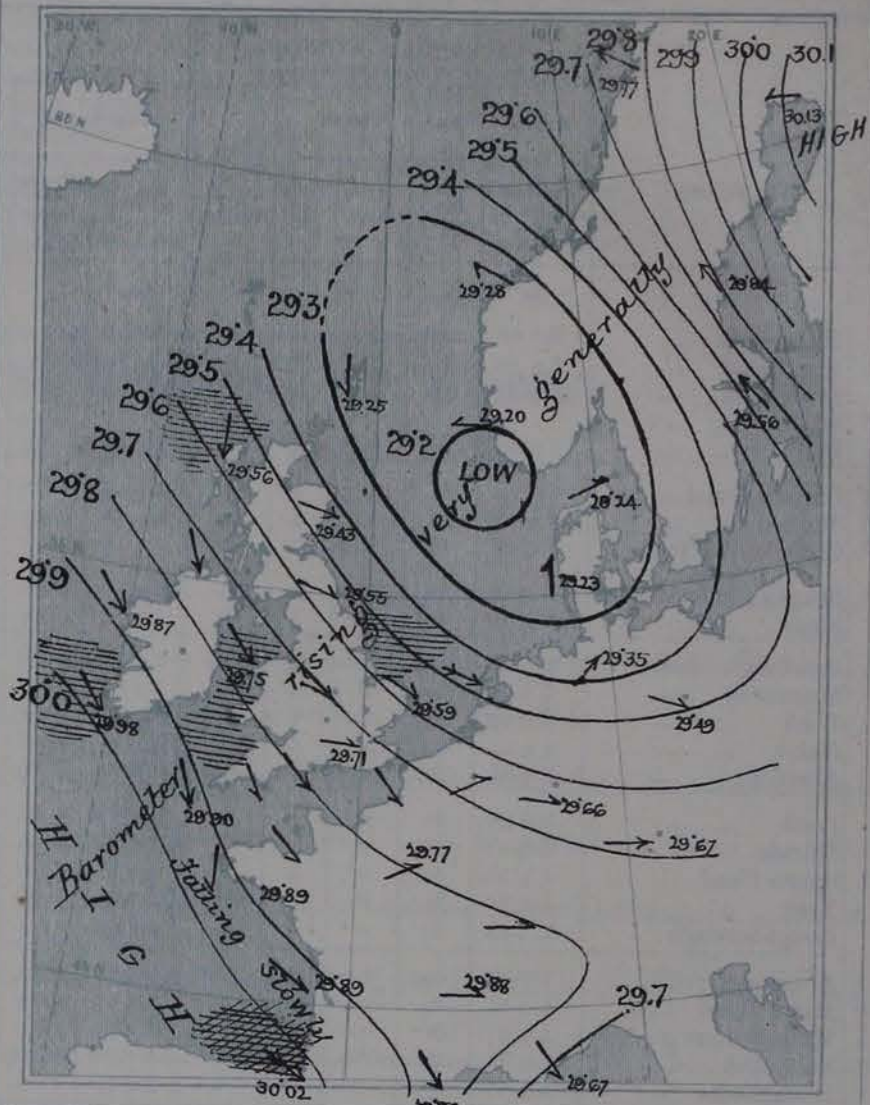
— Rough. — High.

MEAN HEIGHT OF THE BAROMETER

at 8.0 a.m. for the month of December

During the 20 Years 1871—1890.

| STATIONS. | MEAN READINGS |
|---------------|---------------|
| Samburgh Head | 29.678 |
| Stornoway | 29.705 |
| Wick | 29.715 |
| Nairn | 29.743 |
| Aberdeen | 29.767 |
| Leith | 29.807 |
| Shields | 29.845 |
| Spurn Head | 29.873 |
| York | 29.890 |
| Loughborough | 29.924 |
| Ardrossan | 29.820 |
| Mullaghmore | 29.821 |
| Donaghadee | 29.848 |
| Holyhead | 29.879 |
| Liverpool | 29.895 |
| Parsonstown | 29.901 |
| Valencia | 29.905 |
| Roche's Point | 29.912 |
| Pembroke | 29.916 |
| Sally | 29.953 |
| Peawle Point | 29.970 |
| Jersey | 29.983 |
| Hurst Castle | 29.988 |
| Dover | 29.993 |
| LONDON | 29.994 |
| Oxford | 29.995 |
| Cambridge | 29.999 |
| Yarmouth | 29.999 |



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

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

WEATHER is shown by Letters of the Beaufort Scale.

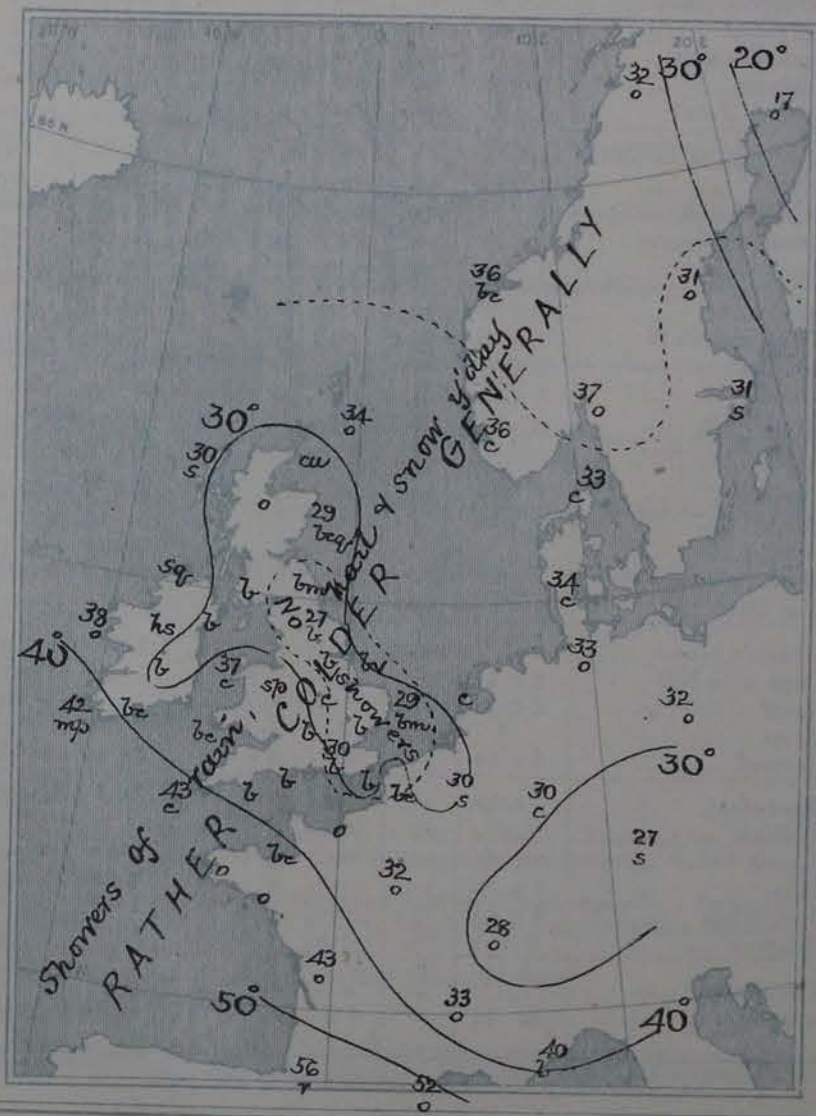
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of December.)

| STATIONS. | TEMPERATURE. | | | | RAINFALL (Inches.) |
|---------------|---------------|---------------|-----------|-----------|-----------------------|
| | Daily Max. | Daily Min. | at 8 a.m. | at 4 p.m. | |
| Samburgh Head | 42.0 | 35.2 | 39.0 | 38.1 | 4.24 |
| Stornoway | 43.1 | 34.2 | 39.4 | 38.5 | 3.65 |
| Wick | 42.2 | 32.7 | 38.1 | 38.8 | 3.10 |
| Nairn | 41.9 | 32.8 | 37.1 | 38.6 | 1.95 |
| Aberdeen | 41.9 | 32.6 | 38.9 | 35.2 | 3.21 |
| Leith | 41.0 | 33.7 | 38.5 | 37.0 | 1.86 |
| Shields | 42.9 | 33.9 | 38.3 | 38.9 | 2.57 |
| Spurn Head | 42.4 | 35.3 | 38.8 | 37.7 | 2.14 |
| York | 42.0 | 32.8 | 36.4 | 35.4 | 1.28 |
| Loughborough | 42.7 | 32.2 | 36.3 | 35.4 | 2.24 |
| Ardrossan | 41.5 | 35.0 | 40.0 | 38.7 | 3.73 |
| Mullaghmore | 40.5 | 37.8 | 42.2 | 39.8 | 1.51 |
| Donaghadee | 43.8 | 36.2 | 40.2 | 39.3 | 2.81 |
| Holyhead | 46.4 | 39.1 | 42.5 | 41.1 | 3.82 |
| Liverpool | 40.3 | 35.6 | 38.3 | 37.1 | 2.59 |
| Parsonstown | 41.7 | 33.1 | 37.8 | 38.0 | 4.01 |
| Valencia | 42.7 | 40.0 | 44.0 | 42.4 | 5.99 |
| Roche's Point | 47.9 | 38.9 | 42.9 | 41.5 | 9.05 |
| Pembroke | 46.8 | 40.3 | 43.3 | 42.2 | 3.09 |
| Sally | 40.5 | 43.4 | 47.0 | 45.1 | 1.02 |
| Peawle Point | 47.0 | 38.2 | 43.0 | 41.1 | 3.76 |
| Jersey | 47.3 | 39.3 | 43.1 | 41.4 | 3.82 |
| Hurst Castle | 43.6 | 36.3 | 40.6 | 39.8 | 2.78 |
| Dover | 41.3 | 35.9 | 41.8 | 38.6 | 3.00 |
| LONDON | 44.0 | 33.9 | 37.8 | 36.7 | 2.10 |
| Oxford | 42.9 | 33.5 | 37.0 | 35.9 | 2.10 |
| Cambridge | 42.8 | 31.6 | 36.2 | 35.5 | 1.88 |
| Yarmouth | 41.9 | 39.7 | 37.9 | 37.0 | 2.60 |

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



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.0 in. and more to 29.9 in. over Spain, the Bay of Biscay, the west of France and southwest of Ireland; 29.8 in. over Lapland.
 Lowest, 29.3 in. and less, in a depression over the northeastern parts of the North Sea, Denmark, and the south of Norway.
 Gradients moderate over the United Kingdom, slight over France and the Bay of Biscay.
 Barometer rising generally, but not quickly.

TEMPERATURE

Highest, 56° at Birmmth, 53° at Abingdon, 52° at Liverpool, 43° at Scilly, 42° at Valencia Island.
 Lowest, 27° to 30° at the Scotch stations, 30° over Central Ireland, and 27° to 32° over the northeastern and inland part of England.
 It has fallen generally since Sunday, and is many degrees below the average for the time of year.

WIND

NW², moderate to strong over the United Kingdom; W², moderate over Germany; SW², light in Denmark, SE² to E² and moderate in the north of Norway.
 A strong gale from NW. was experienced in the east of Scotland during the night, and a moderate gale at several western stations.

WEATHER

Fine and bright over the eastern, midland, and southern parts of England, and also over Central Ireland; elsewhere it is cloudy, with cold showers at times, and a "very bad appearance" at Wick.
 Cold showers have fallen except over the northeastern and eastern part of England. Lunar halos have been seen in the south of England.

SEA

Rough at Stromsø, rather so on most other exposed parts of our coast, slight in the south; rough on the French coast.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

There is no indication of any important change beyond an untidy decrease in the force of the NW² wind, and an increase in the cold.

FORECASTS

For the 24 hours ending at NOON on 6th December, 1892.

| DISTRICTS. | FORECASTS. | DISTRICTS. | FORECASTS. |
|--------------------|--|------------------|---|
| 0 SCOTLAND NORTH | NW ² winds, strong to moderate; some cold showers. | 6 SCOTLAND WEST | Same as N ^o 0 and 1. |
| 1 SCOTLAND EAST | | 7 ENGLAND N.W. | |
| 2 ENGLAND N.E. | Same as N ^o 5. | 8 ENGLAND S.W. | NW ² winds, moderate; very cold, passing cold showers. |
| 3 ENGLAND EAST | | 9 IRELAND NORTH | |
| 4 MIDLAND COUNTIES | | 10 IRELAND SOUTH | |
| 5 ENGLAND SOUTH | NW ² winds, fresh to moderate; perhaps a cold shower or two, bright intervals, very cold. | WARNINGS | The North Cone is still flying in districts 0, 1, and 6 to 10. |

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

YESTERDAY'S 2 P.M. REPORTS.

| | BAR. | THER. | | WIND. | F. | WEA. | SEA. | | BAR. | THER. | | WIND. | F. | WEA. | SEA. |
|-------------------|-------|-------|------|-------|----|------|------|--------------------|-------|-------|------|-------|----|------|------|
| | | Dry. | Wet. | Dir. | | | | | | Dry. | Wet. | Dir. | | | |
| Skudesnaes ... | | | | | | | | Valencia ... | | | | | | | |
| Sumburgh Head ... | | | | | | | | Scilly ... | | | | | | | |
| Stornoway ... | 29.44 | 34 | 34 | N | 6 | 0 | 5 | Jersey ... | 29.85 | 44 | 38 | WNW | 5 | 60 | 4 |
| Aberdeen ... | | | | | | | | Hurst Castle ... | | | | | | | |
| Shields ... | | | | | | | | Dungeness ... | 29.61 | 37 | 34 | W | 7 | 6 | 6 |
| Ardrossan ... | | | | | | | | North Foreland ... | 29.57 | 36 | 34 | W | 6 | 6 | 4 |
| Malin Head ... | 29.62 | 34 | 33 | WNW | 6 | 0 | 4 | London ... | | | | | | | |
| Mullaghmore ... | | | | | | | | Yarmouth ... | | | | | | | |
| Behmullet ... | 29.83 | 39 | 35 | NW | 5 | 0 | * | Rochefort ... | | | | | | | |
| Holyhead ... | 29.70 | 38 | 36 | WNW | 5 | 6chq | 5 | | | | | | | | |

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

Weather in morning fine and bright over the greater part of the United Kingdom but snow and hail showers reported at several of our western stations. Dull over the Continent generally with rain in France and western Germany and with snow at Faerden, Skagen, Prague and Kharkov. Snow falling later in the north of Scotland as well as in Holland and South Germany.

Temperature fallen briskly in our Islands and France and also over N.W. Russia, but changed irregularly elsewhere. Morning readings highest 62° at Malta, 58° at Palermo and Algiers, and 56° at Lisbon, above 50° at most of the Mediterranean stations and also in the southwest of France. Lowest -1° at Archangel +5° at Hermanstadt, 17° at Kiev, and 18° at Lemberg, below the freezing point over Russia, Poland and Austria generally, & also over the northern and central parts of Great Britain. Daily maxima below 60° over all but our extreme southwest coasts, and as low as 32° at Aberdeen. Thermometer exceeding 50° in the W. and S. of France, & reaching 59° at Perpignan.

Wind fresh or strong from the NW over our Islands and the north and west of France; moderate from the W or SW over central France and western Germany. Strong to a gale from the S or SE over Denmark and Scandinavia, and light from the same quarters over northern and central Russia. Light from W or NW over Austria and the south of Russia, SW in Italy; S (SW to SE) in Algeria. Subsequently increasing to a whole gale from the NW in the east of Scotland.

Barometer highest 30.4 ins. and upwards in an anticyclone lying to the SW of Spain; 30.3 ins. and upwards in another system lying over N.W. Russia. Lowest 29.0 ins. and less in a large and deep depression having its centre between the Shetlands and Norwegian coasts. Depression subsequently moving E and beginning to fill up; barometer rather unsteady on our western coasts in evening.

SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD FROM THE 27TH NOV. TO 3RD DEC. 1892.

The weather experienced during this week may be considered in two different periods.

In the first - lasting until Wednesday, the dominant wind was SW to W, and blew with great strength as depressions of great size passed eastwards from the Atlantic towards Scandinavia, while they spread S.W. over the whole of the British Islands. Temperature was in excess of the mean; the air was damp; gloomy weather prevailed generally, and rain showers in the west and north.

After Wednesday changes took place, with unusual rapidity, depressions appearing in different parts of our area, changing greatly in intensity and moving from various directions - though mainly from the westward. On Saturday night, however, one of these systems had begun to move or spread SE over the North Sea, and a keen NW wind was spreading S.W. all over the Kingdom. The changes of temperature during this period were frequent great and sudden - especially over Central, where on Thursday morning a minimum was recorded of 13° in the shade. Sleet, hail and snow showers took the place of the rain in most places, but the falls were not heavy in the south and east, and intervals of bright weather were experienced.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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

" Weekly " " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on Tuesday 6th December. 1892.

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

| | | YESTERDAY EVENING. (See note at bottom of last page.) | | | | | THIS MORNING. (See note at bottom of last page.) | | | | | | | | | | PAST 24 HOURS. | | | | |
|---------------------|--------------------------------|--|-----------|-------|------------------|----------|---|------------------------------|-------------|-----------|--------------------------------|-------|------------------|----------|---------------|-------------|----------------|------|---------------------|--|--|
| | | BAROM. | TEMP. | WIND. | | | BAROMETER. | | SHADE TEMP. | | | WIND. | | | SHADE TEMP. | | | | | | |
| STATIONS. | | Reading at 32° F. and Sea Level. | Dry Bulb. | Dir. | Force (9 to 12). | Weather. | Reading at 32° F. and Sea Level. | Change since Yesterday Morn. | Dry Bulb. | Wet Bulb. | Change in dry since Yesterday. | Dir. | Force (9 to 12). | Weather. | Sea (6 to 9). | Weather. | Max. | Min. | Amount of Rainfall. | | |
| | | In. | ° | | | | In. | | ° | ° | ° | | | | | | | | In. | | |
| SCANDINAVIA. | Haparanda ... | 26.21 | 19 | E | 4 | bc | 26.29 | +16 | 13 | 13 | -4 | NE | 4 | 0 | * | bc | 27 | | — | | |
| | Hernösand ... | 29.98 | 30 | E | 4 | 0 | 26.13 | +29 | 32 | 30 | +1 | E | 2 | 0 | * | 0 | 36 | 27 | 0.12 | | |
| | Stockholm ... | 29.71 | 32 | SE | 6 | 0 | 29.87 | +2.1 | 31 | 29 | 0 | ENE | 6 | 0 | * | 0 | 36 | 27.1 | 0.24 | | |
| | Wisby ... | 29.61 | 31 | SE | 6 | 0 | 29.78 | +2.4 | 31 | 30 | -1 | ENE | 6 | 0 | * | 0 | 36 | 27 | 0.16 | | |
| | Bodö ... | 29.93 | 30 | ESE | 6 | 0 | 29.07 | +20 | 26 | 23 | -6 | E | 2 | 0 | 1 | 0 | 32 | 23 | — | | |
| | Christiansund... | 29.52 | 29 | ENE | 6 | c | 29.82 | +34 | 36 | 31 | 0 | ESE | 2 | bc | 3 | c | 39 | 36 | — | | |
| | Skudesnaes ... | 29.48 | 26 | E | 4 | bc | 29.70 | +38 | 37 | 33 | +1 | ENE | 1 | 0 | 2 | c, b | 32 | 32 | — | | |
| | Christiania Fjord (Færdler) | 29.50 | 37 | SE | 5 | 0 | 29.74 | +5.1 | 38 | 34 | -2 | NNE | 5 | 0 | 2 | 0 | 37 | 34 | — | | |
| | Skagen (The Scaw) | 29.58 | 36 | SE | 2 | 0 | 29.64 | +40 | 38 | 33 | +2 | E | 2 | 0 | 1 | 0 | 39 | 34 | 0.04 | | |
| | Fanö ... | 29.29 | 30 | ENE | 2 | f | 29.52 | +29 | 28 | 28 | -6 | E | 4 | f | * | f | 34 | 28 | — | | |
| BRITISH ISLANDS. | Sumburgh Head | 29.29 | 37 | N | 1 | bc | 29.71 | +46 | 39 | 38 | +5 | ENE | 2 | bc | 3 | 0 bc | 39 | 34 | 0.16 | | |
| | Stornoway ... | 29.58 | 38 | N | 6 | r | 29.73 | +17 | 36 | 36 | +6 | N | 6 | bc | 6 | 0 r | 37 | 30 | 0.10 | | |
| | Wick ... | 29.44 | 29 | NW | 3 | bc | 29.63 | +27 | 36 | 35 | +6 | E | 3 | ou | 3 | bc | 38 | 27 | 0.25 | | |
| | Nairn ... | 29.52 | 30 | N | 3 | bc | 29.66 | +14 | 37 | 37 | +9 | NNW | 2 | r | 1 | bc | 37 | 26 | 0.15 | | |
| | Aberdeen ... | 29.52 | 25 | N | 2 | bc | 29.64 | +21 | 34 | 33 | +5 | NW | 4 | cq | 3 | bc, r, f, b | 36 | 25 | 0.01 | | |
| | Leith ... | 29.58 | 26 | NW | 2 | bc | 29.67 | +9 | 36 | 33 | +9 | NW | 2 | om | * | bc | 37 | 26 | — | | |
| | Shields ... | 29.57 | 28 | NW | 3 | bc | 29.65 | +10 | 33 | 33 | +6 | N | 3 | c | 3 | bc | 33 | 24 | — | | |
| | Spurn Head ... | 29.88 | 33 | NW | 4 | bc | 29.67 | +10 | 33 | 33 | +1 | NW | 2 | bc | 4 | bc | 35 | 29 | — | | |
| | York ... | 29.62 | 28 | NW | 1 | bc | 29.71 | +9 | 32 | 32 | +4 | N | 1 | bc | * | bc | 35 | 23 | — | | |
| | Loughborough | 29.70 | 27 | NW | 2 | bc | 29.77 | +7 | 34 | 32 | +7 | N | 2 | op | * | bc | 35 | 26 | 0.01 | | |
| BRITISH ISLANDS. | Ardrossan ... | 29.58 | 40 | NW | 4 | bc | 29.72 | +9 | 41 | 40 | +12 | NW | 5 | bc | 4 | gr, h, b | 41 | 26 | 0.07 | | |
| | Malin Head ... | 29.76 | 40 | NW | 7 | bc | 29.86 | +15 | 41 | 39 | +9 | NW | 6 | cq, f, b | 4 | c, h, b | 42 | 32 | 0.01 | | |
| | Mullaghmore ... | 29.80 | 40 | NW | 6 | bc | 29.80 | +21 | 42 | 38 | +6 | NW | 5 | c | 4 | c, h, b | 42 | 32 | 0.10 | | |
| | Belmullet ... | 29.89 | 39 | NW | 4 | bc | 29.87 | +20 | 40 | 37 | +2 | NW | 2 | 0 | * | c, f, b | 41 | 32 | 0.06 | | |
| | Donaghadee ... | 29.71 | 39 | NW | 4 | bc | 29.87 | +15 | 37 | 37 | +9 | NW | 5 | bc | 3 | 0, b | 40 | 27 | 0.07 | | |
| | Liverpool (Bidston) | 29.69 | 33 | NW | 6 | bc | 29.79 | +9 | 40 | 38 | +9 | NW | 6 | c | 4 | bc | 41 | 31 | 0.09 | | |
| | Holyhead ... | 29.77 | 37 | NW | 5 | cq | 29.87 | +12 | 42 | 40 | +5 | NW | 7 | 0 | 6 | c, f, b | 43 | 34 | 0.03 | | |
| | Parsonstown ... | 29.97 | 30 | 2 | 0 | bc | 29.85 | +18 | 34 | 33 | +5 | 2 | 0 | 0 | * | bc | 35 | 27 | — | | |
| | Valencia ... | 29.10 | 42 | N | 4 | cq | 29.14 | +16 | 42 | 40 | 0 | NW | 3 | op | 4 | bc, h, b | 44 | 37 | 0.04 | | |
| | Roche's Point | 29.02 | 37 | NW | 3 | bc | 29.10 | +18 | 37 | 37 | +2 | NW | 2 | bc | 3 | r, f, b | 40 | 34 | 0.05 | | |
| BRITISH ISLANDS. | Pembroke (St. Ann's Hd.) | 29.88 | 29 | NW | 5 | bc | 29.80 | +17 | 42 | 40 | +4 | NW | 5 | bc | 5 | bc | 42 | 37 | — | | |
| | Scilly ... | 29.92 | 43 | NW | 6 | c, f | 29.88 | +18 | 45 | 40 | +2 | NW | 5 | c | 4 | c, h, b | 45 | 38 | 0.05 | | |
| | Prawle Point ... | 29.84 | 34 | NW | 4 | bc | 29.89 | +14 | 37 | 36 | +4 | NW | 5 | bc | 2 | bc, f, b | 43 | 32 | 0.02 | | |
| | Jersey (St. Aubin's) | 29.84 | 38 | NW | 3 | bc | 29.89 | +13 | 44 | 39 | +3 | NW | 5 | bc | 4 | bc, f, b | 45 | 36 | 0.09 | | |
| | Hurst Castle ... | 29.77 | 34 | NW | 6 | bc | 29.89 | +11 | 37 | 36 | +5 | NW | 5 | bc | 4 | bc, b | 40 | 34 | — | | |
| | Dungeness ... | 29.68 | 31 | NW | 2 | bc | 29.81 | +12 | 37 | 37 | -1 | NW | 2 | bc | 1 | bc, f, b | 37 | 24 | — | | |
| | North Foreland | 29.66 | 38 | NW | 4 | bc | 29.83 | +17 | 33 | 33 | 0 | NW | 2 | 0 | 2 | bc, f, b | 37 | 27 | 0.01 | | |
| | London ... | 29.70 | 34 | NW | 3 | bc | 29.83 | +12 | 30 | 28 | 0 | N | 2 | bc | * | bc, f, b | 38 | 29 | 0.01 | | |
| | Oxford ... | 29.77 | 29 | NW | 2 | bc | 29.88 | +10 | 34 | 34 | +4 | N | 2 | r | * | bc, f, b | 37 | 28 | 0.06 | | |
| | Cambridge ... | 29.71 | 32 | 2 | 0 | 0 | 29.80 | +11 | 28 | 27 | -1 | N | 1 | bc | * | bc | 36 | 23 | — | | |
| Yarmouth ... | 29.59 | 30 | NW | 3 | bc | 29.74 | +15 | 25 | 25 | -4 | N | 3 | bc | 4 | bc, b | 33 | 24 | — | | | |
| GERMANY & HOLLAND. | Cuxhaven ... | 29.29 | 31 | SW | 1 | 0 | 29.58 | +29 | 37 | 26 | -6 | SW | 2 | f | * | 0 | 34 | 26 | 0.04 | | |
| | Berlin ... | 29.52 | 31 | 2 | 0 | 0 | 29.52 | +03 | 33 | 32 | +1 | NW | 4 | bc | * | 0 | 36 | 30 | — | | |
| | Wiesbaden ... | 29.77 | 31 | 2 | 0 | 0 | 29.77 | +11 | 29 | 28 | -1 | N | 2 | bc | * | 0 | 36 | 25 | — | | |
| | Munich ... | 29.64 | 25 | N | 3 | 0 | 29.71 | +04 | 23 | 23 | -4 | NW | 6 | c | * | 0 | 28 | 23 | 0.04 | | |
| | The Helder ... | 29.57 | 36 | N | 6 | 0 | 29.66 | +14 | 41 | 37 | +4 | NW | 6 | c | 4 | 0 | 41 | 34 | 0.01 | | |
| FRANCE AND BELGIUM. | Brussels (9 a.m.) | 29.81 | 36 | NW | 5 | bc | 29.81 | +14 | 37 | 26 | -3 | NW | 2 | c | * | c | 34 | 26 | — | | |
| | Cape Gris Nez | 29.68 | 36 | NW | 5 | bc | 29.78 | +11 | 35 | 33 | +1 | NW | 2 | bc | 2 | bc | 37 | 32 | — | | |
| | Paris ... | 29.78 | 32 | N | 3 | bc | 29.89 | +12 | 30 | 30 | -2 | SW | 2 | c | * | 0 | 37 | 28 | 0.04 | | |
| | Brest ... | 29.48 | 45 | N | 4 | 0 | 29.48 | +1 | 44 | 41 | -2 | N | 4 | c | 3 | 0 | 44 | 41 | — | | |
| | Lorient ... | 29.89 | 45 | NW | 5 | c | 29.10 | +2.1 | 44 | 38 | +1 | NW | 5 | bc | 4 | c | 46 | 41 | — | | |
| FRANCE AND BELGIUM. | Rochefort ... | 29.91 | 42 | N | 5 | r | 29.89 | +20 | 43 | 40 | 0 | NW | 4 | bc | * | 0, c | 38 | 37 | 0.04 | | |
| | Belfort ... | 29.81 | 28 | SW | 3 | c | 29.89 | +8 | 27 | 25 | -1 | N | 3 | bc | * | 0 | 29 | 25 | 0.04 | | |
| | Lyons ... | 29.86 | 32 | NW | 1 | bc | 29.93 | +07 | 31 | 30 | -2 | NW | 4 | 0 | * | 0 | 38 | 26 | 0.04 | | |
| | Nice ... | 29.63 | 40 | N | 3 | bc | 29.78 | +15 | 36 | 37 | -4 | NW | 3 | bc | 4 | 0 | 40 | 30 | — | | |
| | Perpignan ... | 29.87 | 46 | NW | 1 | r | 29.88 | +19 | 42 | 37 | -10 | NW | 4 | 0 | * | r | 37 | 41 | 0.24 | | |
| Biarritz ... | 29.95 | 38 | NW | 1 | bc | 29.11 | +09 | 41 | 34 | -15 | SE | 3 | 0 | 5 | bc | 36 | 44 | 0.05 | | | |
| PENINSULAR. | Corunna ... | 29.27 | 33 | NNE | 4 | bc | 29.17 | +10 | 30 | 27 | -3 | NNE | 4 | c | * | bc | 37 | 27 | — | | |
| | Lisbon ... | 29.27 | 33 | NNE | 4 | bc | 29.17 | +10 | 30 | 27 | -3 | NNE | 4 | c | * | bc | 37 | 27 | — | | |

For Explanation of Columns, see bottom of last page.

† Received too late for insertion in Charts on next page.

WEATHER CHARTS

for 8 a.m. on Tuesday, 6th Dec^r 1892.

BAROMETER, WIND AND SEA.

EXPLANATION OF MAP

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

Changes since previous morning are stated in words.

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

their barbs and feathers refer to force thus—

— forces above 10 — forces 8 to 10 —

— forces 5 to 7 — forces 1 to 4.

— = dead calm.

SEA DISTURBANCE—Where considerable, is shown thus:

— = Rough. — = High.

MEAN HEIGHT OF THE BAROMETER

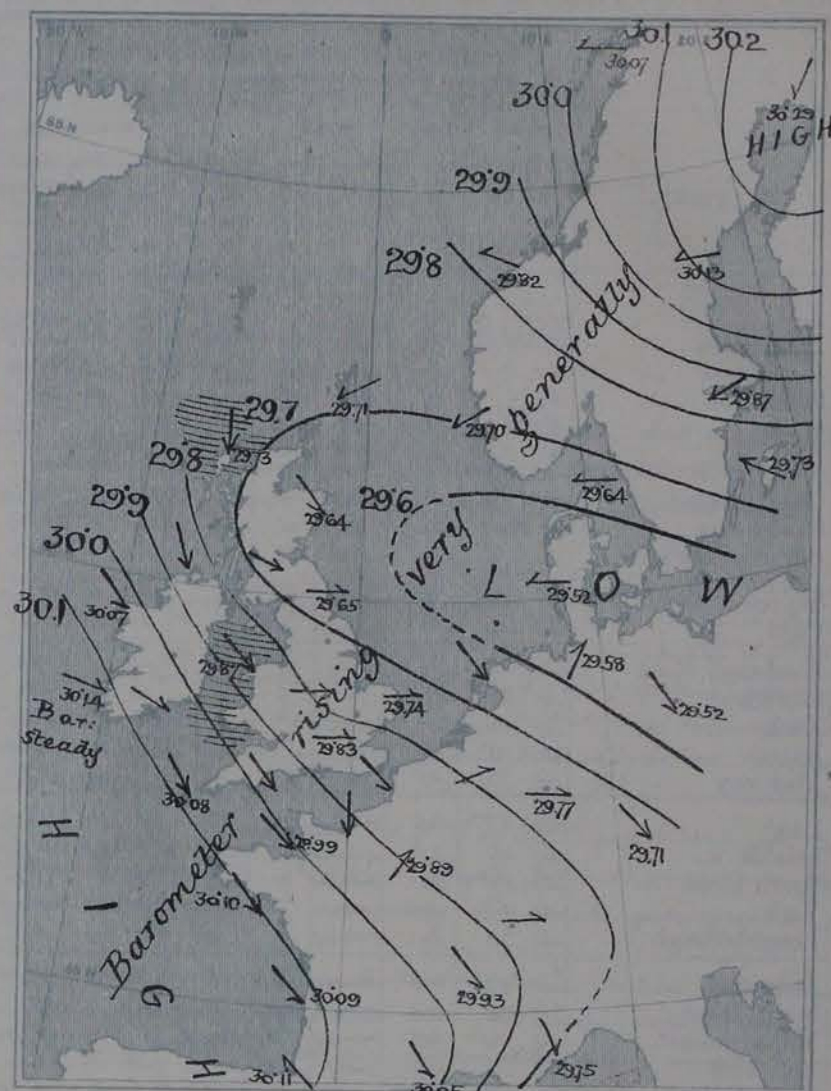
at 8.0 a.m. for the month of December.

During the 20 Years 1871—1890.

STATIONS.

MEAN READINGS.

| STATIONS. | MEAN READINGS. |
|---------------|----------------|
| Sambargh Head | 29.673 |
| Stornoway | 29.703 |
| Wick | 29.718 |
| Nairn | 29.743 |
| Aberdeen | 29.797 |
| Leith | 29.807 |
| Shields | 29.815 |
| Spurn Head | 29.873 |
| York | 29.880 |
| Loughborough | 29.924 |
| Ardrossan | 29.820 |
| Mullaghmore | 29.821 |
| Dunghaden | 29.848 |
| Holyhead | 29.879 |
| Liverpool | 29.885 |
| Parsonstown | 29.901 |
| Valencia | 29.905 |
| Roche's Point | 29.912 |
| Pembroke | 29.916 |
| Sally | 29.951 |
| Trawls Point | 29.970 |
| Jersey | 29.983 |
| Hurst Castle | 29.954 |
| Dover | 29.933 |
| LONDON | 29.931 |
| Oxford | 29.933 |
| Cambridge | 29.941 |
| Yarmouth | 29.943 |



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

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

WEATHER—is shown by letters of the Beaufort Scale.

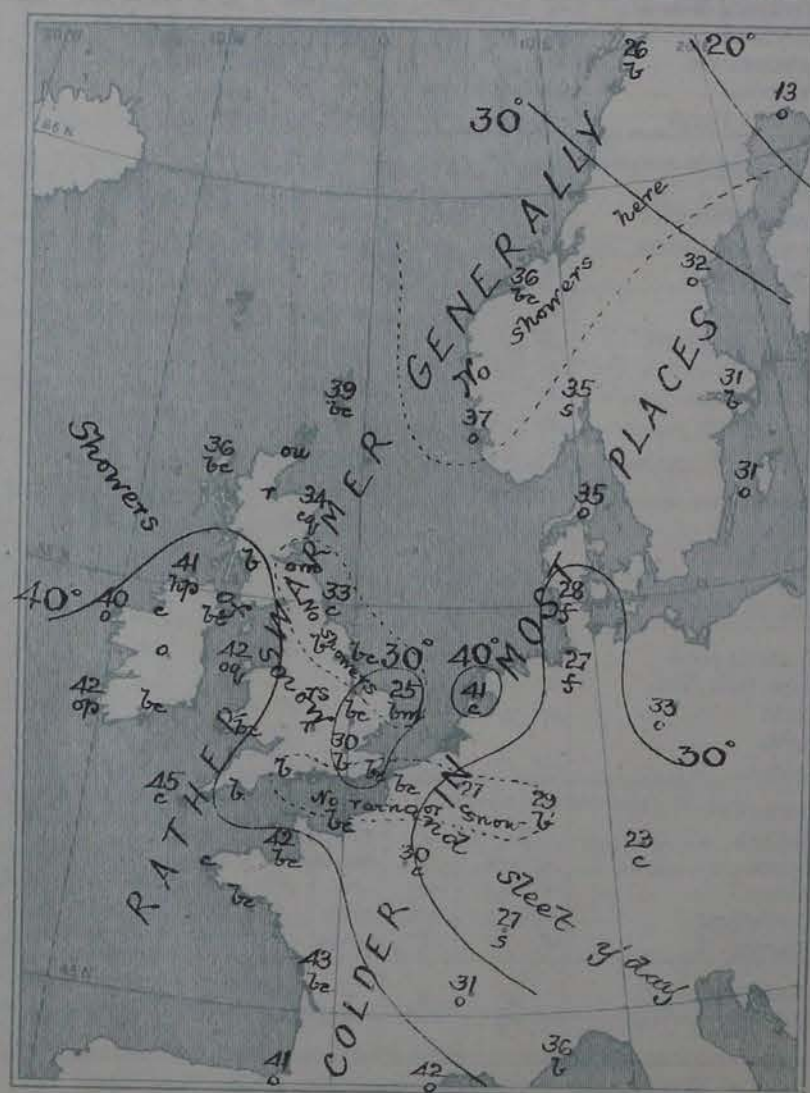
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of December.)

| STATIONS. | TEMPERATURE. | | | | | RAINFALL (Inches) |
|---------------|---------------|---------------|-----------|-----------|-----------|----------------------|
| | Daily Max. | Daily Min. | at 8 a.m. | at 4 p.m. | at 8 a.m. | |
| Sambargh Head | 42.6 | 35.2 | 39.6 | 38.1 | | 4.24 |
| Stornoway | 43.1 | 31.2 | 39.1 | 38.0 | | 3.63 |
| Wick | 42.2 | 32.7 | 38.1 | 36.8 | | 3.10 |
| Nairn | 41.9 | 32.8 | 37.1 | 35.6 | | 1.95 |
| Aberdeen | 41.9 | 32.6 | 36.9 | 35.2 | | 3.21 |
| Leith | 44.0 | 33.7 | 38.5 | 37.0 | | 1.80 |
| Shields | 42.9 | 33.9 | 38.3 | 36.9 | | 2.57 |
| Spurn Head | 42.4 | 35.3 | 38.8 | 37.7 | | 2.14 |
| York | 42.3 | 32.3 | 36.4 | 33.4 | | 2.28 |
| Loughborough | 42.7 | 32.2 | 36.3 | 35.1 | | 2.24 |
| Ardrossan | 41.5 | 33.9 | 40.0 | 38.7 | | 3.73 |
| Mullaghmore | 40.5 | 37.8 | 42.2 | 39.8 | | 1.51 |
| Dunghaden | 43.8 | 36.2 | 40.2 | 39.3 | | 2.84 |
| Holyhead | 46.4 | 39.1 | 42.8 | 41.1 | | 3.82 |
| Liverpool | 43.5 | 35.6 | 38.8 | 37.1 | | 2.50 |
| Parsonstown | 44.7 | 35.1 | 37.8 | 36.6 | | 3.04 |
| Valencia | 43.7 | 40.0 | 41.6 | 42.4 | | 5.99 |
| Roche's Point | 47.9 | 38.9 | 42.9 | 41.5 | | 1.95 |
| Pembroke | 46.8 | 40.3 | 41.6 | 42.2 | | 3.96 |
| Sally | 49.5 | 43.1 | 47.9 | 43.1 | | 1.02 |
| Trawls Point | 47.0 | 38.2 | 42.5 | 41.1 | | 3.76 |
| Jersey | 47.3 | 39.3 | 43.1 | 41.4 | | 3.22 |
| Hurst Castle | 45.6 | 36.3 | 40.6 | 39.8 | | 2.73 |
| Dover | 41.3 | 35.9 | 34.8 | 35.6 | | 3.00 |
| LONDON | 44.0 | 33.9 | 37.8 | 36.7 | | 2.10 |
| Oxford | 42.9 | 33.5 | 37.0 | 35.9 | | 3.10 |
| Cambridge | 42.8 | 31.6 | 36.2 | 35.5 | | 1.88 |
| Yarmouth | 41.9 | 33.7 | 37.0 | 37.0 | | 2.40 |

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



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.2 ins: and upwards, in an anticyclone lying over the Gulf of Bothnia; 30.1 ins: and upwards in another system extending from the Atlantic over the Bay of Biscay and the southwest of Ireland.
Lowest, 29.6 ins: and less, in a depression lying over Denmark, North Germany, and the North Sea.

Gradients moderate over our northwest coast, but slight elsewhere.

Barometer rising generally, but steady at Valentia, Ireland, and falling at Lisbon.

TEMPERATURE

Highest, 50° at Lisbon, 45° at Seilly, 44° at Brest and Lorient, and 43° at Rochefort.

Lowest (1) 13° at Haparanda, and 26° at Rode; (2) 23° at Munich, 21° at Brussels, and 29° at Wiesbaden; (3) 25° at Yarmouth, and 21° at Birmmoss.

The maxima registered yesterday were below 40° at most of our northern, eastern, and southeastern stations; at Shields and Yarmouth the reading was only 33°.

WIND

Fresh or strong from the NW² over our western and southern coasts; light or moderate from the W² over the eastern parts of Gt Britain.

E² over Scandinavia, Denmark, and the extreme north of Scotland; NW² over the greater part of France and Germany.

Fair or fine in most parts of Western Europe, but rain or sleet falling at some of the central stations in England and Scotland. Fog prevails at Leno and Cuxhaven.

WEATHER

Considerable amounts of snow fell yesterday at some of our northeastern and extreme northern stations, and showers in most other parts of the Kingdom. Lunar halos were seen at Ardrossan and the North Foreland.

SEA

Rough at Hornsby and Holyhead, and rather rough at Pembroke and Biarritz, but moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The distribution of pressure is favourable for the development of shallow cyclonic systems over Gt Britain and the North Sea. Unsettled weather is therefore probable in those regions, with sleet or snow in many places.

FORECASTS

For the 24 hours ending at NOON on 7th DEC^r, 1892.

DISTRICTS.

FORECASTS.

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

NE² and E² winds, moderate; fair generally.
NW² winds, light or moderate; unsettled, some snow showers.
Same as No 5.
W² and NW² winds, moderate; changeable, some snow showers, rather milder.

DISTRICTS.

FORECASTS.

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

NW² winds, falling light, fair generally.

NW² winds, backing later; fair to unsettled and some rain.

WARNINGS

None issued.

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

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

YESTERDAY'S 2 P.M. REPORTS.

| | BAR. | THER. | | WIND. | F. | WEA. | SEA. | | BAR. | THER. | | WIND. | F. | WEA. | SEA. |
|-------------------|-------|-------|------|---------|----|------------|------|--------------------|-------|-------|------|---------|----|---------|------|
| | | Dry. | Wet. | | | | | | | Dry. | Wet. | | | | |
| Skudesnaes ... | 29.32 | 36 | 32 | E | 2 | c | 2 | Valencia ... | 30.02 | 41 | 33 | N | 7 | b, h, g | 6 |
| Sumburgh Head ... | 29.26 | 33 | 30 | W, N, W | 4 | o | 4 | Scilly ... | 29.90 | 44 | 33 | W | 5 | b, h, g | 4 |
| Stornoway ... | 29.59 | 33 | 30 | N | 6 | o | 6 | Jersey ... | 29.83 | 43 | 31 | W | 3 | b, h, g | 2 |
| Aberdeen ... | 29.47 | 32 | 29 | W, N, W | 5 | h | 3 | Hurst Castle ... | 29.77 | 35 | 36 | W | 5 | b | 4 |
| Shields ... | 29.56 | 32 | 31 | W, N, W | 3 | h | 3 | Dungeness ... | 29.64 | 36 | 33 | W, N, W | 4 | b | 3 |
| Ardrrossan ... | 29.62 | 32 | 31 | W, N, W | 4 | c | 3 | North Foreland ... | 29.64 | 36 | 34 | W | 4 | b | 3 |
| Malin Head ... | 29.71 | 36 | 30 | W, N, W | 6 | c, o, g | 4 | London ... | 29.71 | 38 | 34 | W | 3 | b | * |
| Mullaghmore ... | 29.86 | 36 | 33 | W, N, W | 6 | c, o, g, h | 4 | Yarmouth ... | 29.93 | 33 | 32 | W, N, W | 4 | b, m | 4 |
| Belmullet ... | 29.94 | 36 | 34 | W | 3 | c, o, g, h | 3 | Rochefort ... | 29.93 | 44 | 40 | N | 5 | o | * |
| Holyhead ... | 29.70 | 33 | 30 | W, N, W | 5 | c, h, g | 3 | | | | | | | | |

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

Weather in morning fine and bright at several of the Mediterranean stations, as well as over the eastern, midland, and southern parts of England and the extreme north of France, cloudy elsewhere, with cold showers in many places, and very unsettled over the northwestern and southeastern districts generally. Snow and hail showers over the greater part of the Kingdom later as well as at several German and French stations, notwithstanding a good deal of bright weather over England.

Temperature showing a further fall over the British Islands and Western Europe. Morning readings exceeding 60° over Tunis, Malta, and Sicily, exceeding 50° over Algeria and the south of Italy, exceeding 40° on the Atlantic coast of France and the extreme southwest of the United Kingdom. Low generally, over the inland districts, and lowest of all (1) 3° at Archangel, 17° at Haparanda, 23° at Petersburg; (2) 16° at Kharkov and Kiev, 25° at Riga, Memel, and Lemberg; (3) 27° to 30° over the northern and inland parts of Britain and central Ireland.

Wind (1) NW moderate to a gale over the British Islands, W over north Germany, SE fresh to strong, over the northern half of the Baltic, Finland, and Scandinavia (2) N to NW over Dalmatia, the north of Italy, and south of France, NW and W strong to a gale in Corsica, Sardinia, and Sicily, SW at Brindisi, Constantinople, and Hermannstadt. Moderating in many parts of our Islands later, but increasing to a gale in the north of Ireland, and varying in direction between W and N.

Barometer highest 30.3 ins. and more to 30.0 ins. over the Spanish Peninsula and adjacent parts of the Atlantic, as well as over the northern and central parts of Russia. Lowest (1) 29.2 ins. to 29.3 ins. in a depression over the south of Norway, and the northern and eastern parts of the North Sea; (2) 29.3 ins. to 29.4 ins. in another one lying over Bohemia. Raining throughout our Islands during the day, as well as over Scandinavia.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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

„ Weekly „ „ „ £1 10 0 „

DAILY WEATHER REPORT

for 8 a.m. on Wednesday, 7th December, 1892.

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

| STATIONS. | YESTERDAY EVENING. (See note at bottom of last page.) | | | | | | THIS MORNING. (See note at bottom of last page.) | | | | | | | | | | PAST 24 HOURS. | | | |
|---------------------|--|--------------|--------|---------------------|----------|------|---|--|--------------|--------------|--------------------------------------|--------|---------------------|----------|------------------|-------------|----------------|------|------------------------|--|
| | BAROM. | TEMP. | WIND. | | Weather. | | BAROMETER. | | SHADE TEMP. | | | WIND. | | Weather. | Sea (0 to 9). | | SHADE TEMP. | | Amount of Rainfall. | |
| | Reading at 32° F. and Sea Level. | Dry Bulb. | Dirac. | Force (0 to 12). | | | Reading at 32° F. and Sea Level. | Change since Yester- day Morn. | Dry Bulb. | Wet Bulb. | Change in dry since Yesterday. | Dirac. | Force (0 to 12). | | | | Max. | Min. | | |
| | Inch. | ° | | | | | Inch. | ° | ° | ° | | | | | | | | | Inch. | |
| SCANDINAVIA. | Haparanda ... | 30.31 | 13 | Z | 0 | 0 | 30.18 | - .11 | 17 | 17 | + 4 | SE | 2 | 0 | # | 0 | 21 | 10 | - | |
| | Hernösand ... | 30.23 | 28 | NE | 4 | ? | 30.13 | .00 | 27 | 25 | - 5 | NE | 2 | 0 | # | ? | 32 | 25 | - | |
| | Stockholm ... | 29.93 | 29 | NE | 4 | 0 | 29.89 | + .02 | 28 | 25 | - 3 | N | 6 | 0 | # | 0 | 36 | 27 | - | |
| | Wisby ... | 29.71 | 31 | E | 10 | 0 | 29.75 | + .02 | 33 | 32 | + 2 | NE | 10 | 0 | # | 0 | 33 | 27 | - | |
| | Bodö ... | 30.12 | 23 | E | 2 | 6 | 30.05 | -.02 | 20 | 17 | - 6 | E | 2 | 6 | 1 | 6 | 27 | 18 | - | |
| | Christiansund... | 30.01 | 35 | ESE | 2 | bc | 30.05 | + .23 | 38 | 34 | + 2 | ESE | 3 | 0 | 3 | bc | 38 | 34 | - | |
| | Skudesnaes ... | 30.00 | 39 | E | 4 | bc | 30.09 | + .39 | 33 | 30 | - 4 | E | 1 | 0 | 2 | bc | 39 | 30 | - | |
| | Christiana Fjord (Fjorder) | 30.00 | 33 | NNE | 6 | 0 | 30.06 | + .32 | 30 | 27 | - 5 | NNE | 3 | 0 | 1 | 0 | 36 | 30 | - | |
| | Skagen (The Seaw) | 29.96 | 33 | ESE | 5 | 0 | 30.01 | + .37 | 32 | 31 | - 3 | ESE | 4 | 0 | 2 | 0 | 36 | 32 | 0.08 | |
| | Fanö ... | 29.82 | 31 | ESE | 1 | c | 29.92 | + .40 | 31 | 31 | + 3 | ESE | 4 | bc | # | c | 32 | 28 | - | |
| BRITISH ISLANDS. | Sumburgh Head | 29.97 | 36 | Z | 0 | 0 | 30.08 | + .37 | 34 | 33 | - 5 | Z | 0 | 6 | 2 | c, o | 40 | 31 | 0.01 | |
| | Stornoway ... | 29.97 | 35 | N | 3 | c | 30.15 | + .42 | 36 | 36 | 0 | N | 3 | 0 | 3 | bc | 39 | 30 | 0.05 | |
| | Wick ... | 29.96 | 32 | N | 2 | c | 30.09 | + .46 | 28 | 27 | - 8 | NW | 2 | bc | 1 | c | 40 | 27 | 0.05 | |
| | Nairn ... | 29.96 | 38 | NE | 3 | bc | 30.15 | + .49 | 23 | 23 | - 14 | Z | 0 | 6 | 1 | bc | 38 | 23 | 0.07 | |
| | Aberdeen ... | 29.89 | 36 | NNE | 5 | bcq | 30.16 | + .52 | 29 | 28 | - 5 | NW | 2 | 6 | 5 | cpq, rsh | 39 | 29 | 0.34 | |
| | Leith ... | 29.87 | 33 | NW | 1 | b | 30.17 | + .50 | 35 | 34 | - 1 | N | 1 | f | # | b | 42 | 32 | 0.19 | |
| | Shields ... | 29.75 | 37 | W | 2 | r | 30.08 | + .43 | 40 | 37 | + 7 | NNE | 3 | c | # | c, r, s | 42 | 31 | 0.02 | |
| | Spurn Head ... | 29.76 | 38 | NSW | 2 | cm | 29.99 | + .32 | 40 | 39 | + 7 | NNE | 3 | bcp | 3 | cm, p | 40 | 32 | - | |
| | York ... | 29.78 | 37 | NW | 1 | r | 30.07 | + .36 | 31 | 31 | - 1 | N | 1 | b | # | r | 40 | 30 | 0.01 | |
| | Loughborough | 29.84 | 35 | W | 3 | r | 30.03 | + .26 | 31 | 31 | - 3 | NW | 1 | ogm | # | r | 41 | 28 | 0.12 | |
| GERMANY & HOLLAND. | Ardrossan ... | 29.91 | 38 | Z | 0 | b | 30.18 | + .46 | 36 | 34 | - 5 | NE | 1 | bf | 1 | bc, b | 42 | 31 | - | |
| | Malin Head ... | 29.96 | 43 | N | 5 | p, b | 30.19 | + .33 | 41 | 38 | 0 | NE | 1 | c | 2 | o, b, p | 43 | 40 | 0.02 | |
| | Mullaghmore ... | 30.04 | 42 | N | 5 | c | 30.21 | + .21 | 35 | 33 | - 7 | N | 1 | bc | 2 | cp, p | 44 | 34 | 0.03 | |
| | Belmullet ... | 30.13 | 38 | NW | 2 | 0 | 30.24 | + .17 | 38 | 36 | - 2 | N | 2 | bc | # | 0 | 43 | 36 | 0.07 | |
| | Donaghadee ... | 29.94 | 42 | NNE | 6 | b | 30.17 | + .30 | 41 | 41 | + 4 | NE | 6 | bc | 4 | b | 43 | 37 | 0.05 | |
| | Liverpool (Bidston) | 29.83 | 39 | NW | 3 | bc | 30.00 | + .21 | 35 | 34 | - 5 | NNE | 1 | bc | 2 | bc | 42 | 33 | 0.07 | |
| | Holyhead ... | 29.91 | 43 | NW | 6 | og | 30.09 | + .22 | 43 | 40 | + 1 | NNE | 4 | 6 | 4 | bcq, o | 44 | 41 | 0.04 | |
| | Parsonstown ... | 30.08 | 35 | Z | 0 | b | 30.23 | + .18 | 25 | 25 | - 9 | Z | 0 | bcm | # | b | 39 | 25 | - | |
| | Valencia ... | 30.16 | 39 | NNE | 1 | b | 30.24 | + .10 | 39 | 38 | - 3 | Z | 0 | opm | 1 | cp, b | 44 | 34 | 0.04 | |
| | Roche's Point | 30.11 | 40 | NW | 3 | b | 30.17 | + .07 | 39 | 37 | 0 | NW | 3 | b | 3 | b | 44 | 35 | - | |
| FRANCE AND BELGIUM. | Pembroke (St. Ann's Hd.) | 30.00 | 44 | NW | 5 | bc | 30.04 | + .04 | 42 | 40 | 0 | NNE | 4 | bp | 4 | bc | 44 | 39 | - | |
| | Scilly ... | 30.07 | 44 | NW | 4 | bcp | 30.08 | -.00 | 45 | 41 | 0 | N | 5 | bc | 4 | bc | 46 | 39 | 0.05 | |
| | Prawle Point ... | 30.04 | 37 | NW | 3 | b | 30.03 | + .04 | 36 | 34 | - 1 | NW | 3 | b | 2 | b | 44 | 34 | - | |
| | Jersey (St. Aubin's) | 30.01 | 43 | NW | 3 | b | 29.98 | -.01 | 42 | 38 | - 2 | NW | 4 | bc | 3 | prs | 48 | 40 | 0.03 | |
| | Hurst Castle ... | 29.95 | 40 | NW | 5 | b | 29.98 | + .09 | 35 | 34 | - 2 | N | 3 | c | 3 | b | 44 | 34 | - | |
| | Dungeness ... | 29.86 | 36 | NW | 3 | 0 | 29.90 | + .09 | 35 | 34 | + 8 | NW | 4 | gm | 3 | c, o | 38 | 25 | 0.02 | |
| | North Foreland | 29.83 | 37 | NW | 4 | b | 29.90 | + .07 | 37 | 37 | + 4 | N | 2 | og | 4 | o, s, p, b | 39 | 31 | - | |
| | London ... | 29.88 | 37 | NW | 3 | 0 | 29.98 | + .15 | 35 | 34 | + 5 | NW | 2 | og | # | o, r, s, og | 40 | 30 | 0.08 | |
| | Oxford ... | 29.88 | 36 | W | 2 | 0 | 30.00 | + .15 | 34 | 32 | 0 | NW | 1 | o | # | bc, or | 42 | 33 | 0.02 | |
| | Cambridge ... | 29.83 | 37 | SW | 2 | 0 | 29.97 | + .17 | 32 | 32 | + 4 | NSW | 1 | b | # | o, r, s | 34 | 27 | 0.20 | |
| PENINSULA. | Yarmouth ... | 29.80 | 32 | NW | 2 | b | 29.93 | + .19 | 35 | 34 | + 10 | ESE | 2 | bc | 3 | bm | 35 | 24 | - | |
| | Cuxhaven ... | 29.72 | 33 | SE | 1 | 0 | 29.90 | + .32 | 32 | 30 | + 5 | NNE | 5 | bc | # | 0 | 33 | 27 | - | |
| | Berlin ... | 29.58 | 33 | NW | 4 | s | 29.71 | + .19 | 32 | 31 | - 1 | NW | 4 | 0 | # | s | 36 | 30 | 0.16 | |
| | Wiesbaden ... | # | # | # | # | # | 29.87 | + .10 | 26 | 25 | - 3 | W | 1 | 0 | # | # | 34 | 25 | - | |
| | Munich ... | 29.82 | 26 | W | 4 | s | 29.91 | + .20 | 25 | 23 | + 2 | NW | 5 | 0 | # | s | 27 | 23 | 0.04 | |
| | The Helder ... | 29.81 | 40 | NW | 1 | b | 29.95 | + .29 | 35 | 34 | - 6 | NE | 1 | r | 2 | b | 41 | 34 | 0.04 | |
| | Brussels (9 a.m.) | # | # | # | # | # | 29.91 | + .10 | 32 | 32 | + 5 | SSW | 2 | m | # | 0 | 33 | 26 | - | |
| | Cape Gris Nez | 29.84 | 39 | NW | 4 | c | 29.89 | + .11 | 36 | 36 | + 1 | SE | 1 | 0 | 2 | c | 39 | 34 | 0.04 | |
| | Paris ... | 29.97 | 36 | SW | 2 | 0 | 29.94 | + .05 | 33 | 33 | + 3 | SSW | 2 | s | # | 0 | 37 | 30 | 0.12 | |
| | Brest ... | ? | 45 | N | 3 | c | ? | ? | 43 | 43 | - 1 | NNE | 2 | c | 1 | c | 48 | 43 | - | |
| FRANCE AND BELGIUM. | Lorient ... | 30.10 | 45 | NW | 5 | bc | 30.06 | -.04 | 43 | 41 | - 1 | NW | 4 | bc | 2 | bc | 48 | 41 | - | |
| | Rochefort ... | 30.11 | 47 | NW | 4 | c | 30.03 | -.06 | 41 | 40 | - 2 | SE | 2 | bc | # | c | 48 | 39 | - | |
| | Belfort ... | ? | 28 | NSW | 2 | bc | ? | ? | 32 | 31 | + 5 | W | 3 | s | # | bc | 32 | 24 | 0.08 | |
| | Lyons ... | 30.14 | 29 | N | 1 | s | 30.10 | + .17 | 29 | 28 | - 2 | S | 1 | 0 | # | s | 36 | 27 | 0.04 | |
| | Nice ... | 29.91 | 37 | NW | 2 | b | 29.93 | + .18 | 39 | ? | + 3 | NE | 5 | 6 | 3 | 6 | 45 | 32 | - | |
| | Perpignan ... | 30.18 | 42 | NW | 4 | c | 30.13 | + .08 | 32 | 30 | - 10 | SW | 2 | bc | # | c | 47 | 30 | - | |
| | Biarritz ... | 30.14 | 44 | E | 3 | b | 30.08 | -.03 | 41 | 37 | 0 | SSW | 3 | bc | 3 | 6 | 50 | 37 | - | |
| | Corunna ... | # | # | # | # | # | 30.10 | -.07 | 42 | 42 | - 8 | NNE | 3 | f | # | b | 57 | 41 | - | |
| | Lisbon ... | 30.10 | 53 | N | 2 | b | 30.10 | -.07 | 42 | 42 | - 8 | NNE | 3 | f | # | b | 57 | 41 | - | |
| | | | | | | | | | | | | | | | | | | | | |

For Explanation of Columns, see bottom of last page.

† Received too late for insertion in Charts on next page.

WEATHER CHARTS

for 8 a.m. on Wednesday, 7th Dec^r 1892.

BAROMETER, WIND AND SEA.

EXPLANATION OF MAP.

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

Changes since previous morning are stated in words.

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

their barbs and feathers refer to force thus—

— forces above 10; — forces 8 to 10;

— forces 6 to 7; — forces 4 to 5;

— dead calm.

SEA DISTURBANCE—Where considerable, is shown thus:

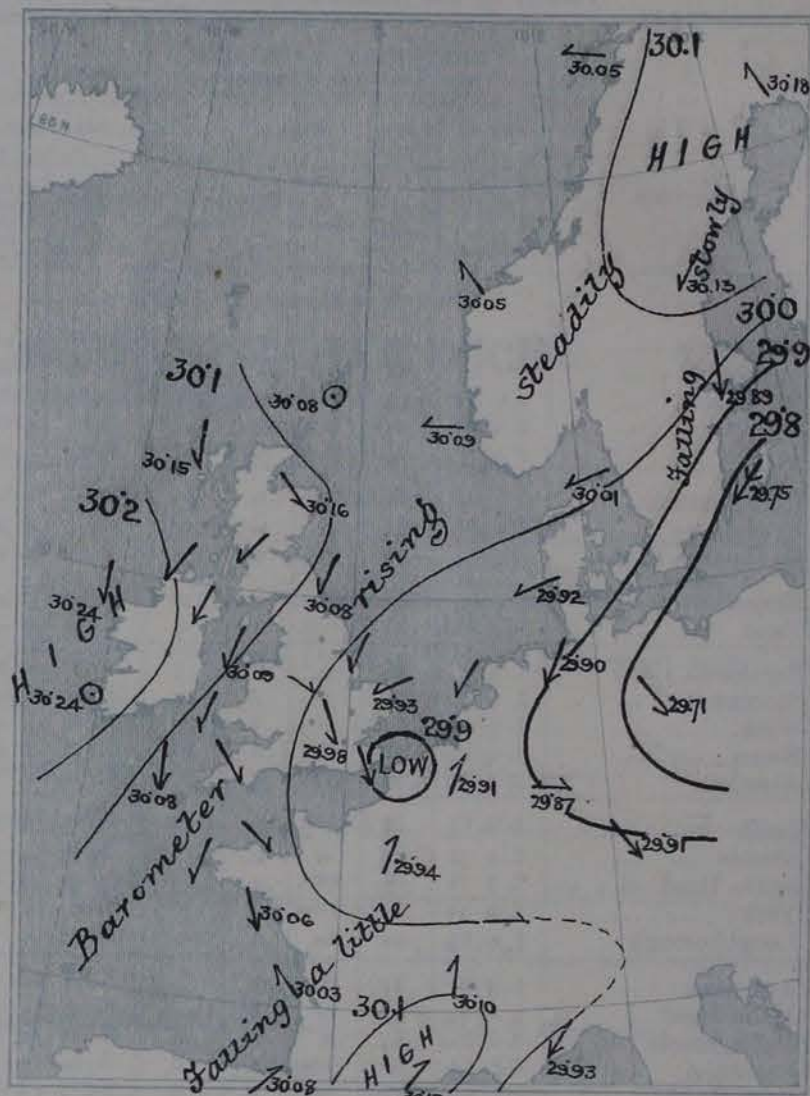
— Rough. — High.

MEAN HEIGHT OF THE BAROMETER

at 8.0 a.m. for the month of December

During the 20 Years 1871—1890.

| STATIONS. | MEAN READINGS. |
|---------------|----------------|
| Sumburgh Head | 29.673 |
| Stornoway | 29.705 |
| Wick | 29.718 |
| Nairn | 29.743 |
| Aberdeen | 29.767 |
| Leith | 29.807 |
| Shields | 29.845 |
| Sparn Head | 29.873 |
| York | 29.890 |
| Loughborough | 29.924 |
| Ardrossan | 29.920 |
| Mullaghmore | 29.921 |
| Doonaghadee | 29.948 |
| Holyhead | 29.970 |
| Liverpool | 29.985 |
| Parsonstown | 29.991 |
| Valencia | 29.995 |
| Roche's Point | 29.913 |
| Pembroke | 29.916 |
| Scilly | 29.931 |
| Prawle Point | 29.970 |
| Jersey | 29.980 |
| Hurst Castle | 29.978 |
| Dover | 29.967 |
| LONDON | 29.951 |
| Oxford | 29.945 |
| Cambridge | 29.941 |
| Yarmouth | 29.910 |



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

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

WEATHER—is shown by Letters of the Beaufort Scale.

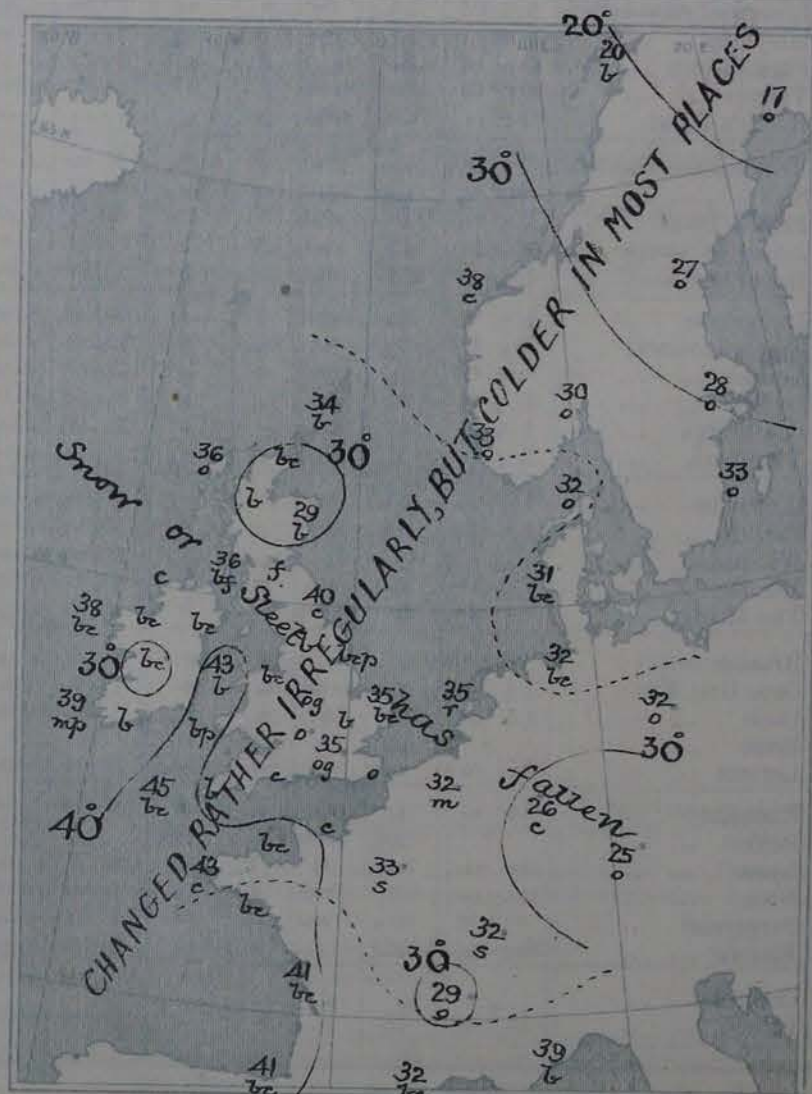
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.1 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of December.)

| STATIONS | TEMPERATURE. | | | | RAINFALL. (Inches) |
|---------------|---------------|---------------|------|------|-----------------------|
| | Daily Max. | Daily Min. | 10° | Wys. | |
| Sumburgh Head | 42.6 | 36.2 | 59.8 | 38.1 | 4.23 |
| Stornoway | 43.1 | 37.2 | 59.8 | 38.5 | 3.40 |
| Wick | 42.2 | 32.7 | 58.1 | 30.8 | 3.10 |
| Nairn | 41.9 | 32.8 | 57.3 | 35.6 | 1.95 |
| Aberdeen | 41.9 | 32.6 | 56.9 | 35.2 | 3.21 |
| Leith | 44.0 | 34.7 | 58.6 | 37.0 | 1.86 |
| Shields | 42.9 | 35.9 | 58.8 | 36.9 | 2.57 |
| Sparn Head | 42.4 | 35.3 | 58.8 | 37.7 | 2.14 |
| York | 42.3 | 32.0 | 56.4 | 35.4 | 1.25 |
| Loughborough | 42.7 | 32.2 | 56.3 | 35.4 | 2.21 |
| Ardrossan | 41.5 | 35.0 | 56.0 | 38.7 | 6.78 |
| Mullaghmore | 40.5 | 37.8 | 42.2 | 39.8 | 1.50 |
| Doonaghadee | 45.8 | 36.2 | 49.2 | 35.3 | 2.81 |
| Holyhead | 46.4 | 36.1 | 42.8 | 41.1 | 3.82 |
| Liverpool | 45.3 | 35.0 | 38.8 | 37.1 | 2.50 |
| Parsonstown | 41.7 | 33.1 | 37.8 | 36.6 | 8.01 |
| Valencia | 42.7 | 40.0 | 44.6 | 42.4 | 5.29 |
| Roche's Point | 47.0 | 38.0 | 42.0 | 41.5 | 1.95 |
| Pembroke | 46.8 | 40.3 | 43.6 | 42.3 | 3.29 |
| Scilly | 49.5 | 43.4 | 47.0 | 45.1 | 1.02 |
| Prawle Point | 47.0 | 38.2 | 42.5 | 41.1 | 3.70 |
| Jersey | 47.0 | 39.3 | 43.1 | 41.4 | 1.42 |
| Hurst Castle | 46.5 | 38.0 | 40.6 | 39.8 | 2.78 |
| Dover | 41.3 | 35.9 | 39.8 | 38.6 | 3.00 |
| LONDON | 44.0 | 34.9 | 37.8 | 36.7 | 2.10 |
| Oxford | 42.9 | 33.5 | 37.0 | 35.9 | 2.10 |
| Cambridge | 42.8 | 31.6 | 36.2 | 35.3 | 1.88 |
| Yarmouth | 41.9 | 31.7 | 37.0 | 37.0 | 2.06 |

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



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.2 ins. and upwards, in an anticyclone extending over Ireland from the westward; 30.1 ins. and upwards, over the north of Sweden and also in the south of France.

Lowest, 29.8 ins. and less, in a depression lying over eastern Germany and the Baltic.

Gradient slight. Barometer falling a little in Sweden, and also at some of the French stations, but rising elsewhere.

TEMPERATURE

Highest, 45° at Scilly, 43° at Holyhead, Brest, and Lorient, 42° at Pembroke and Jersey, and 41° at Donaghadee, Rochefort, and Bannitz.

Lowest, (1) 17° at Haparanda, 20° at Rode and 27° at Arnisand; (2) 23° at Nain and 25° at Panneton; (3) 25° at Munich and 26° at Wiesbaden.

That occurred last night at most of our northern and central stations.

WIND

Light or moderate from the N^W over our Islands and from the E^W or NE^W on the eastern shores of the North Sea.

Strong to a gale from the NE^W in the south of Sweden; moderate from NW in Germany.

S^W over the central and southern parts of France.

WEATHER

Fine over the greater part of the United Kingdom, but with showers in a few places.

Fine also in the west and south of France, but dull in most other parts of the Continent, with rain at the Rhine, and with snow at the Helder, and with snow at the Rhine and Belfort.

Snow or sleet showers fell yesterday in most districts and a lunar halo was seen at Ardrossan.

SEA

Moderate to smooth generally, but rather rough at Aberdeen.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

There are at present no indications of any important change in the weather. The anticyclone in the west is spreading eastwards, but the backing of the wind to NW in Scotland seems to indicate the advance of shallow depressions from the northward, and snow showers are therefore probable at some of our northern stations.

FORECASTS

For the 24 hours ending at NOON on 8TH DEC^R 1892.

DISTRICTS.

FORECASTS.

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

NW^W and N^W winds, light or moderate; fine to unsettled and some snow showers.

N^W winds, light; fair generally, but perhaps some snow showers.

NW^W winds, light; fair generally, but some mist or fog.

DISTRICTS.

FORECASTS.

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

NE^W winds, light; fair generally, but local fogs.

N^W winds, light or moderate; fair generally.

WARNINGS

NONE ISSUED.

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

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

YESTERDAY'S 2 P.M. REPORTS.

| | BAR. | Ther. | WIND. | P. | WEA. | SEA. | | BAR. | Ther. | WIND. | P. | WEA. | SEA. |
|-----------------|-------|-------|-------|------|------|------|---|-------------------|-------|-------|------|------|------|
| | | Dry. | Wet. | Dir. | | | | | Dry. | Wet. | Dir. | | |
| Skudesnaes ... | 29.86 | 37 | 33 | ESE | 4 | 0 | 2 | Valencia ... | 30.14 | 42 | 41 | H | 1 |
| Sumburgh Head | 29.88 | 37 | 35 | H | 2 | c | 3 | Scilly ... | 30.10 | 45 | 42 | HW | 5 |
| Stornoway ... | 29.90 | 38 | 37 | H | 3 | b | 4 | Jersey ... | 30.03 | 47 | 41 | W/HW | 4 |
| Aberdeen ... | 29.79 | 36 | 35 | H/E | 6 | cqps | 6 | Hurst Castle | 29.92 | 44 | 41 | HW | 5 |
| Shields ... | 29.70 | 37 | 36 | W | 3 | c | 2 | Dungeness .. | 29.84 | 36 | 33 | W/SW | 3 |
| Ardrossan ... | 29.82 | 42 | 40 | W/HW | 4 | bc | 3 | North Foreland... | 29.85 | 36 | 35 | W | 2 |
| Malin Head ... | 29.89 | 41 | 41 | W/HW | 6 | 0 | 4 | London ... | 29.86 | 40 | 38 | W/HW | 2 |
| Mullaghmore ... | 30.02 | 42 | 39 | W/HW | 5 | cqps | 2 | Yarmouth ... | 29.76 | 34 | 33 | W | 2 |
| Belmullet ... | 30.08 | 43 | 40 | W/HW | 3 | 0 | # | Rocheport ... | 30.10 | 47 | 42 | W | 4 |
| Holyhead ... | 29.90 | 42 | 40 | W | 6 | bcq | 6 | | | | | | |

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

Weather in morning fine and bright over southwestern Europe, the greater part of France, the extreme southern and southwestern parts of the British Islands and the northwestern half of Norway, very dull elsewhere. Cold showers falling in the north and west of the United Kingdom and snow very generally over Germany, Austria and southern Austria. Cold rain, sleet, or snow falling at times over nearly the whole of the British Isles, the North Sea, Germany, and France during the day, but amounts measured small except at Aberdeen, where the value was 0.34 inch.

Temperature very unsteady — rising over the United Kingdom (the change coming on from the northward) but falling over France. Morning readings remaining between 50° and 60° on the southern side of the Mediterranean; above 40° in the western parts of France and the British Islands, much lower elsewhere. Lowest 13° at Haparanda, 18° to 28° at the Russian and Finnish stations, 23° to 28° over the greater part of Central Europe, 27° at Brussels and Prefort, 30° at Paris, and 25° to 33° over the southeastern counties of England. Changing suddenly during day and exceeding 40° over nearly the whole of our islands. "Silver thaw" around London.

Wind E⁴ over the whole of northern Europe, strong at the Baltic stations, moderate to light elsewhere; NW¹ to W³ over the United Kingdom and Channel — strong at the western stations; W¹ over Germany and Austria, S¹ to SE¹ over the southern half of Russia; N¹ to W¹ and very strong over the greater part of the Mediterranean. Not much change later.

Barometer highest (1) 30.2 ins: and more to 30.0 ins: over the Iberian Peninsula and the western part of France and the British Islands; (2) 30.3 ins: and more to 30.0 ins: over northern Europe and central Russia. Lowest 29.2 ins: to 29.4 ins: in a depression over Hungary and southwestern Russia, and below 29.7 ins: in the V stretching thence across Germany and the North Sea. Rising over the British Islands and western Europe all day.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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

" Weekly " " " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on Thursday, 8th December, 1892.

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

| STATIONS. | | YESTERDAY EVENING. (See note at bottom of last page.) | | | | | THIS MORNING. (See note at bottom of last page.) | | | | | | | | | | PAST 24 HOURS. | | | |
|---------------------|-----------------------------|--|-------|---|--------------|----------|---|---------------------------|---|--|--------------|--------------|--------------------------------------|------------------|----------|-------------|---------------------------|------------------------|------|------|
| | | BAROM. | TEMP. | WIND. | | Weather. | BAROMETER. | | SHADE TEMP. | | | WIND. | | Sea (0 to 9). | Weather. | SHADE TEMP. | | Amount of Rainfall. | | |
| | | | | Reading at 32° F. and Sea Level. | Dry Bulb. | | Dirac. | Force (0 to 12). | Reading at 32° F. and Sea Level. | Change since Yester- day Morn. | Dry Bulb. | Wet Bulb. | Change in dry since Yesterday. | | | Dirac. | Force (0 to 12). | | Max | Min. |
| | | Inch. | ° | | | | Inch. | ° | ° | ° | | | | | | ° | Inch. | | | |
| SCANDINAVIA. | Haparanda ... | 30.05 | 8 | Z | 0 | b | 29.78 | - .40 | 16 | 15 | - 1 | WSW | 6 | 0 | # | b | 19 | 28 | - | |
| | Hernösand ... | 29.98 | 23 | NW | 5 | 0 | 29.75 | - .38 | 22 | 21 | - 5 | NW | 6 | 0 | # | 0 | 30 | 21 | - | |
| | Stockholm ... | 29.73 | 27 | NNE | 6 | 0 | 29.52 | - .37 | 23 | 22 | - 5 | NW | 4 | 0 | # | 0 | 32 | ? | - | |
| | Wishby ... | 29.66 | 30 | NE | 10 | S | 29.50 | - .25 | 29 | 28 | - 4 | N | 10 | 0 | # | S | 36 | 27 | 0.12 | |
| | Bodö ... | 29.89 | 26 | E | 4 | 0 | 29.68 | - .37 | 30 | 28 | + 10 | E | 2 | 0 | 1 | 0 | ? | 18 | - | |
| | Christiansund... | 29.97 | 38 | WSW | 3 | 0 | 29.79 | - .26 | 37 | 36 | - 1 | WSW | 3 | 0 | 3 | 0 | 39 | 34 | - | |
| | Skudesnaes ... | 30.04 | 36 | NNE | 1 | C | 29.88 | - .21 | 34 | 34 | + 1 | ESE | 1 | S | 2 | 0, c | 37 | 30 | - | |
| | Christiania Fjord (Færd) | 29.99 | 28 | NNE | 4 | 0 | 29.80 | - .26 | 30 | 27 | 0 | NW | 2 | 0 | 1 | 0 | 30 | 27 | - | |
| | Skagen (The Scaw) | 29.80 | 30 | NE | 1 | 0 | 29.78 | - .23 | 32 | 31 | 0 | N | 1 | bc | 0 | 0 | 32 | 28 | - | |
| | Fanö ... | 30.00 | 28 | NE | 1 | b | 29.89 | - .03 | 32 | 31 | + 1 | E | 1 | c | # | b | 32 | 27 | - | |
| BRITISH ISLANDS. | Sumburgh Head | 30.11 | 36 | N | 4 | 0 | 29.98 | - .10 | 36 | 33 | + 2 | NW | 3 | bc | 3 | c, o | 39 | 30 | 0.24 | |
| | Stornoway ... | 30.27 | 36 | NE | 3 | c | 30.13 | - .02 | 32 | 32 | - 4 | N | 2 | c | 3 | b, c | 39 | 29 | - | |
| | Wick ... | 30.16 | 32 | NW | 1 | bc | 30.08 | - .01 | 29 | 28 | + 1 | N | 2 | bc | 1 | s, bc | 37 | 27 | 0.10 | |
| | Nairn ... | 30.23 | 36 | NW | 2 | 0 | 30.16 | + .01 | 30 | 30 | + 7 | Z | 0 | bc | 1 | 0 | 36 | 21 | - | |
| | Aberdeen ... | 30.21 | 33 | W | 2 | bc | 30.15 | - .01 | 30 | 29 | + 1 | WNW | 3 | bc | 3 | b, bc | 35 | 29 | - | |
| | Leith ... | 30.22 | 29 | SW | 1 | b | 30.20 | + .03 | 32 | 31 | - 3 | W | 2 | f | # | b | 37 | 28 | - | |
| | Shields ... | 30.20 | 37 | N | 1 | ms | 30.19 | + .11 | 30 | 29 | - 10 | WNW | 2 | bc | 3 | b, m | 42 | 28 | 0.03 | |
| | Spurn Head ... | 30.13 | 39 | WNW | 2 | ov | 30.16 | + .17 | 35 | 35 | - 5 | WNW | 4 | cm | 3 | phs, ov | 40 | 33 | 0.04 | |
| | York ... | 30.19 | 35 | N | 1 | b | 30.23 | + .16 | 30 | 30 | - 1 | N | 1 | b | # | b | 39 | 26 | - | |
| | Loughborough | 30.19 | 34 | NW | 1 | 0 | 30.26 | + .23 | 25 | 25 | - 6 | WNW | 1 | bm | # | 0 | 39 | 24 | - | |
| GERMANY & HOLLAND. | Ardrossan ... | 30.25 | 39 | WNW | 2 | cp | 30.22 | + .04 | 34 | 33 | - 2 | NE | 1 | opm | 1 | f, b, p | 44 | 31 | - | |
| | Malin Head ... | 30.29 | 41 | N | 5 | b, cp | 30.22 | + .03 | 43 | 40 | + 2 | NW | 4 | op | 2 | b, b, cp | 43 | 39 | 0.02 | |
| | Mullaghmore ... | 30.33 | 40 | NNE | 4 | c | 30.31 | + .10 | 38 | 37 | + 3 | SW | 2 | c | 2 | c, p | 42 | 33 | 0.02 | |
| | Belmullet ... | 30.36 | 42 | WNW | 2 | 0 | 30.32 | + .08 | 43 | 41 | + 5 | WNW | 2 | 0 | # | c, o | 44 | 36 | 0.09 | |
| | Donaghadee ... | 30.27 | 36 | W | 4 | b | 30.24 | + .07 | 36 | 36 | - 5 | W | 4 | bc | 2 | b | 42 | 32 | 0.02 | |
| | Liverpool (Bidston) | 30.24 | 35 | N | 2 | b | 30.28 | + .28 | 34 | 33 | - 1 | W | 1 | c | 1 | b | 39 | 31 | 0.05 | |
| | Holyhead ... | 30.24 | 43 | NNE | 3 | bc | 30.29 | + .20 | 40 | 38 | - 3 | NNE | 3 | b | 2 | bc | 44 | 36 | 0.19 | |
| | Parsonstown ... | 30.33 | 29 | Z | 0 | b | 30.36 | + .13 | 29 | 28 | + 4 | Z | 0 | o | # | c, b | 35 | 24 | - | |
| | Valencia ... | 30.38 | 40 | NE | 1 | b | 30.43 | + .19 | 34 | 34 | - 5 | Z | 0 | ogm | 2 | b | 44 | 31 | 0.01 | |
| | Roche's Point | 30.30 | 40 | N | 3 | b | 30.37 | + .20 | 38 | 37 | - 1 | NW | 3 | bc | 3 | b | 42 | 35 | - | |
| FRANCE AND BELGIUM. | Pembroke (St. Ann's Hd.) | 30.23 | 39 | NE | 3 | b | 30.30 | + .26 | 38 | 37 | - 4 | NNE | 2 | b, cp | 3 | c | 46 | 40 | - | |
| | Scilly ... | 30.15 | 44 | NNE | 5 | c | 30.30 | + .22 | 45 | 41 | 0 | N | 4 | bc | 3 | c | 46 | 40 | - | |
| | Prawle Point ... | 30.16 | 35 | NNE | 3 | b | 30.31 | + .28 | 32 | 31 | - 4 | N | 2 | b | 1 | b | 43 | 31 | - | |
| | Jersey (St. Aubin's) | 30.08 | 43 | N | 4 | b, cm | 30.26 | + .28 | 42 | 37 | 0 | NNE | 3 | ogm | 3 | c, p | 45 | 38 | 0.08 | |
| | Hurst Castle ... | 30.13 | 38 | NNE | 4 | 0 | 30.26 | + .28 | 32 | 32 | - 3 | NNE | 3 | m | 2 | c, o | 41 | 32 | - | |
| | Dungeness ... | 30.01 | 35 | N | 3 | bc | 30.18 | + .28 | 32 | 31 | - 3 | N | 3 | bc | 1 | o, b, p, s | 37 | 31 | 0.08 | |
| | North Foreland | 30.02 | 40 | N | 4 | bc | 30.17 | + .27 | 39 | 38 | + 2 | N | 3 | b | 3 | c, r, s, p | 41 | 34 | 0.30 | |
| | London ... | 30.12 | 36 | WNW | 3 | b | 30.24 | + .26 | 33 | 33 | - 2 | NW | 1 | b, c, f | # | o, b | 41 | 32 | - | |
| | Oxford ... | 30.19 | 34 | N | 1 | 0 | 30.28 | + .28 | 29 | 28 | - 5 | NW | 1 | bm | # | b, c, o | 41 | 29 | - | |
| | Cambridge ... | 30.12 | 32 | W | 1 | c | 30.24 | + .27 | 30 | 29 | - 2 | NW | 1 | b | # | c | 39 | 29 | - | |
| PENINSULA. | Yarmouth ... | 30.06 | 38 | ENE | 4 | c, q | 30.16 | + .23 | 34 | 33 | - 1 | WNW | 3 | b, c, f | 3 | c, q, t, p | 39 | 31 | 0.19 | |
| | Cuxhaven ... | 29.99 | 32 | NNE | 3 | bc | 29.95 | + .05 | 35 | 33 | + 3 | W | 2 | bc | # | b, c | 35 | 31 | - | |
| | Berlin ... | 29.84 | 30 | NW | 3 | 0 | 29.93 | + .22 | 30 | 28 | - 2 | WNW | 4 | 0 | # | 0 | 34 | 28 | 0.04 | |
| | Wiesbaden ... | * | * | * | * | * | 30.12 | + .25 | 28 | 27 | + 2 | W | 1 | c | # | # | 34 | 26 | 0.04 | |
| | Munich ... | 29.92 | 28 | W | 3 | 0 | 30.04 | + .13 | 26 | 26 | + 1 | NW | 3 | 0 | # | 0 | 30 | 25 | - | |
| | The Helder ... | 30.10 | 35 | ENE | 1 | 0 | 30.10 | + .15 | 38 | 37 | + 3 | WNW | 2 | c | 2 | 0 | 38 | 34 | 0.04 | |
| | Brussels (9 a.m.) | * | * | * | * | * | 30.19 | + .28 | 28 | 28 | - 4 | WSW | 1 | m | # | 0 | 33 | 27 | 0.04 | |
| | Cape Gris Nez | 29.96 | 40 | NE | 4 | c | 30.15 | + .26 | 35 | 34 | - 1 | N | 1 | s | 1 | e | 41 | 34 | 0.20 | |
| | Paris ... | 30.02 | 34 | N | 2 | b | 30.19 | + .25 | 30 | 29 | - 3 | N | 2 | b | # | b | 35 | 28 | 0.24 | |
| | Brest ... | ? | 42 | NE | 2 | 0 | ? | ? | 38 | 37 | - 5 | NE | 2 | bc | 3 | 0 | 48 | 36 | - | |
| FRANCE AND BELGIUM. | Lorient ... | 30.06 | 44 | NE | 4 | bc | 30.25 | + .19 | 39 | 38 | - 4 | NNE | 3 | bc | 2 | bc | 48 | 39 | - | |
| | Rocheport ... | 30.03 | 41 | ENE | 3 | b | 30.18 | + .15 | 33 | ? | - 8 | E | 3 | c | # | c, b | 46 | 30 | ? | |
| | Belfort ... | ? | 31 | SE | 3 | 0 | ? | ? | 28 | 25 | - 4 | E | 3 | 0 | # | 0 | 34 | 21 | 0.04 | |
| | Lyons ... | 30.03 | 33 | W | 1 | S | 30.12 | + .02 | 29 | 29 | 0 | WNW | 1 | S | # | S | 41 | 25 | 0.16 | |
| | Nice ... | 29.88 | 46 | E | 2 | b | 29.94 | + .01 | 35 | 29 | - 4 | E | 3 | bc | 3 | b | 50 | 32 | - | |
| | Perpignan ... | 30.05 | 36 | Z | 0 | b | 30.04 | - .09 | 40 | 37 | + 8 | WSW | 2 | 0 | # | b | 48 | 30 | - | |
| | Biarritz ... | 30.00 | 51 | W | 3 | 0 | 30.12 | + .04 | 38 | 36 | - 3 | ENE | 3 | c | 2 | 0 | 52 | 34 | 0.24 | |
| | Corunna ... | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | |
| | Lisbon ... | 30.05 | 51 | NW | 3 | b | 30.04 | - .06 | 50 | 49 | + 8 | WNW | 3 | b | # | b | 55 | 48 | - | |

For Explanation of Columns, see bottom of last page.

† Received too late for insertion in Charts on no.

TROPICAL WEATHER CHARTS

for 8 a.m. on Thursday, 8th Dec^r 1892.

BAROMETER, WIND AND SEA.

EXPLANATION OF MAP

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

Changes since previous morning are stated in words.

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

their barbs and feathers refer to force thus—

— forces above 10 — forces 8 to 10,

— forces 5 to 7 — forces 1 to 4.

— dead calm.

SEA DISTURBANCE—Where considerable, is shown thus

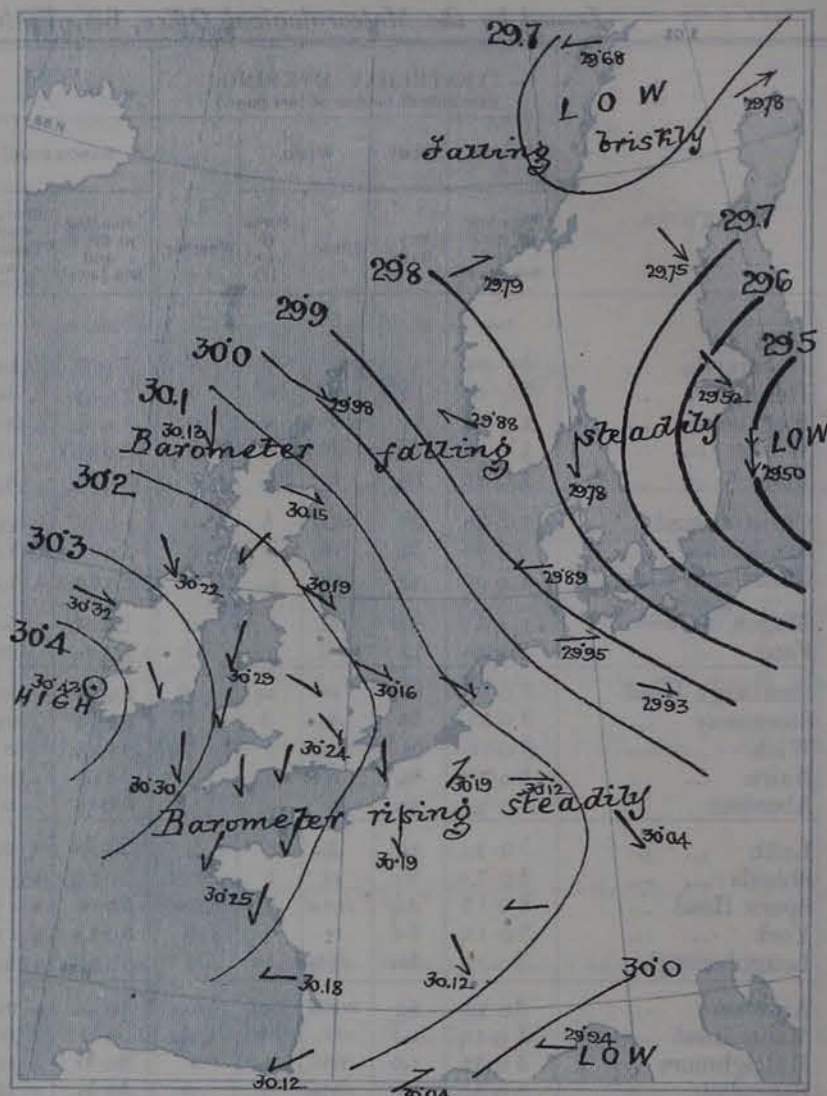
— Rough — High.

MEAN HEIGHT OF THE BAROMETER

at 8 a.m. for the month of December

During the 20 Years 1871—1890.

| STATIONS. | MEAN READINGS. |
|------------------|----------------|
| Summerville Head | 29.673 |
| St. Andrew | 29.705 |
| Wick | 29.718 |
| Nairn | 29.713 |
| Aberdeen | 29.707 |
| Leith | 29.807 |
| Shields | 29.815 |
| Spurn Head | 29.873 |
| York | 29.880 |
| Loughborough | 29.921 |
| Androssan | 29.920 |
| Mullaghmore | 29.921 |
| Doughadale | 29.918 |
| Holyhead | 29.979 |
| Liverpool | 29.985 |
| Parsonstown | 29.961 |
| Valencia | 29.903 |
| Roche's Point | 29.912 |
| Pembroke | 29.916 |
| Sally | 29.951 |
| Pringle Point | 29.970 |
| Jersey | 29.985 |
| Hurst Castle | 29.958 |
| Dover | 29.933 |
| LONDON | 29.931 |
| Oxford | 29.955 |
| Cambridge | 29.941 |
| Yarmouth | 29.916 |



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

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

WEATHER—is shown by letters of the Beaufort Scale.

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

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of December.)

| STATIONS. | TEMPERATURE. | | | | RAINFALL. |
|------------------|--------------|------------|-----------|-----------|-----------|
| | Daily Max. | Daily Min. | At 8 a.m. | At 4 p.m. | |
| Summerville Head | 42.6 | 35.2 | 39.6 | 38.1 | 1.25 |
| St. Andrew | 43.1 | 34.2 | 39.1 | 38.5 | 0.63 |
| Wick | 42.2 | 32.7 | 38.1 | 38.5 | 1.10 |
| Nairn | 41.9 | 32.8 | 37.1 | 35.6 | 1.95 |
| Aberdeen | 41.9 | 32.6 | 36.9 | 35.2 | 1.24 |
| Leith | 44.0 | 33.7 | 38.5 | 37.0 | 1.36 |
| Shields | 42.9 | 36.9 | 38.3 | 36.9 | 2.57 |
| Spurn Head | 42.4 | 35.3 | 38.8 | 37.7 | 2.14 |
| York | 42.3 | 35.3 | 36.4 | 35.4 | 2.28 |
| Loughborough | 43.7 | 32.2 | 36.3 | 35.4 | 2.24 |
| Androssan | 41.6 | 37.9 | 40.6 | 38.7 | 3.73 |
| Mullaghmore | 40.5 | 37.8 | 42.2 | 39.8 | 1.51 |
| Doughadale | 45.8 | 36.2 | 40.2 | 39.3 | 2.81 |
| Holyhead | 46.4 | 39.1 | 43.5 | 41.1 | 3.82 |
| Liverpool | 43.5 | 36.6 | 38.5 | 37.1 | 2.59 |
| Parsonstown | 44.7 | 33.1 | 37.8 | 36.6 | 3.01 |
| Valencia | 40.7 | 40.0 | 41.6 | 42.1 | 5.29 |
| Roche's Point | 42.0 | 38.9 | 42.9 | 41.5 | 1.95 |
| Pembroke | 45.8 | 40.0 | 43.6 | 42.2 | 3.99 |
| Sally | 49.5 | 43.1 | 47.0 | 45.1 | 4.04 |
| Pringle Point | 47.0 | 38.2 | 42.3 | 41.1 | 3.79 |
| Jersey | 47.9 | 39.3 | 43.1 | 41.4 | 3.82 |
| Hurst Castle | 46.6 | 38.8 | 40.0 | 39.8 | 2.74 |
| Dover | 41.3 | 37.9 | 41.8 | 38.6 | 3.00 |
| LONDON | 41.0 | 39.9 | 37.8 | 36.7 | 2.10 |
| Oxford | 42.9 | 34.5 | 37.9 | 35.9 | 2.10 |
| Cambridge | 42.5 | 31.6 | 36.2 | 35.0 | 1.88 |
| Yarmouth | 41.0 | 34.7 | 37.9 | 37.0 | 2.50 |

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



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.4 in: and upwards, in the southwest of Ireland; 30.2 in: and upwards, in an anticyclone covering Ireland, England, and the northwest of France.
 Lowest, 29.5 in: and less, in a depression lying over the Baltic; 29.7 in: and less, in a shallow system lying over the north of Scandinavia.
 Gradients slight. Barometer falling in Scandinavia, Denmark, and the northern parts of our Islands, but rising elsewhere.

TEMPERATURE

Highest, 50° at Fife, 45° at Selly, 43° at Malin Head and Balmullet, and 42° at Jersey.
 Lowest, (1) 22° at Helsingfors and 23° at Stockholm, (2) 25° at Loughborough, and 29° at Larne and Oxford, (3) 26° at Munich.
 Frost occurred last night in most parts of the United Kingdom.

WIND

Nth over the greater part of our Islands, but Wth in the east of Scotland and the northern parts of England and Ireland.
 NEth or Eth in the west of France.
 Variable in Norway; Nth in Sweden, with a gale at Visby; Wth or NWth in Germany.

WEATHER

Fine in nearly all parts of the United Kingdom, as well as in France and Denmark, but showers reported at Ardrossan, Malin Head, and Ambrose and near Lyons.
 Dull in Scandinavia and Germany, with snow at Helsingfors.
 Showers of snow or sleet fell yesterday in many parts of our Islands and France—heavily at the North Foreland. A lunar halo was seen at Ardrossan.

SEA

Slight or smooth on all coasts.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depressions which are appearing in the far north seem likely to occasion snow showers at several of our northern and northeastern stations. Over the southern parts of the Kingdom the weather will probably remain fine for the present.

FORECASTS

For the 24 hours ending at NOON on 9th Decr. 1892.

DISTRICTS.

FORECASTS.

DISTRICTS.

FORECASTS.

6 SCOTLAND NORTH

1 SCOTLAND EAST

2 ENGLAND N.E.

3 ENGLAND EAST

4 MIDLAND COUNTIES

5 ENGLAND SOUTH

NWth winds, moderate; fine to unsettled and some snow showers.

NWth winds, light; fine generally.

6 SCOTLAND WEST

7 ENGLAND N.W.

8 ENGLAND S.W.

9 IRELAND NORTH

10 IRELAND SOUTH

WARNINGS

Same as N^{os} 0 to 2

NWth and Wth winds, light; fair generally but local showers.

Nth and NWth winds, light; fair generally.

Same as N^o 7.

Same as N^o 8.

None issued.

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

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

YESTERDAY'S 2 P.M. REPORTS.

| | BAR. | THER. | | WIND. | F. | WEA. | SEA. | | BAR. | THER. | | WIND. | F. | WEA. | SEA. |
|-------------------|-------|-------|------|--------|----|------|------|--------------------|-------|-------|------|--------|----|-------|------|
| | | Dry. | Wet. | Dirac. | | | | | | Dry. | Wet. | Dirac. | | | |
| Skudesnaes ... | 30.07 | 37 | 34 | ESE | 1 | 0 | 2 | Valencia ... | 30.31 | 44 | 39 | NNE | 3 | b | 2 |
| Sumburgh Head ... | 30.10 | 37 | 36 | N | 1 | c | 2 | Scilly ... | 30.11 | 46 | 42 | N | 5 | bc | 4 |
| Stornoway ... | 30.23 | 38 | 36 | N | 3 | bc | 3 | Jersey ... | ? | 41 | 38 | NW | 4 | c | 3 |
| Aberdeen ... | 30.20 | 33 | 31 | WNW | 1 | b | 4 | Hurst Castle ... | 30.06 | 41 | 39 | NNE | 4 | c g m | 3 |
| Shields ... | 30.16 | 41 | 39 | NE | 1 | c | 4 | Dungeness ... | 29.97 | 36 | 36 | N | 3 | o | 2 |
| Ardrossan ... | 30.23 | 41 | 40 | NE | 1 | b | 1 | North Foreland ... | 29.94 | 40 | 38 | N | 2 | o | 4 |
| Malin Head ... | 30.24 | 41 | 40 | N | 4 | 0 | 2 | London ... | 30.05 | 41 | 38 | WNW | 1 | bm | * |
| Mullaghmore ... | 30.28 | 40 | 39 | WSW | 1 | c | 1 | Yarmouth ... | 29.98 | 39 | 37 | NE | 4 | c | 4 |
| Belmullet ... | 30.31 | 44 | 42 | WNW | 3 | c | * | Kochefort ... | 30.05 | 46 | 44 | SW | 3 | c | * |
| Holyhead ... | 30.26 | 43 | 40 | NNE | 4 | bc | 3 | | | | | | | | |

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

Weather in morning fine generally over the greater part of the British Islands, the west of France, and the northern and eastern portions of the Mediterranean; fair as a whole over northern Europe, dull and unsettled elsewhere. Snow or rain falling in many parts of Russia and Central Europe, steady rain at Malta and Lisbon, and slight showers at Ambrose and Valencia. Cold showers reported later in Ireland, the eastern part of England, the Netherlands, and some parts of France, but weather clearing over Central England and in London.

Temperature falling again at our northern stations. Morning readings exceeding 50° on the southern side of the Mediterranean only; exceeding 40° on the coasts of Spain and the west and north of France and at Bally. Lowest, (1) 9° at Archangel, 17° at St. Petersburg, 21° at St. Petersburg and Moscow, and below 30° over nearly the whole of Russia, Poland, and Hungary, (2) 25° at Munich, 26° at Wiesbaden, 33° at Paris, 34° at Lisbon, (3) 23° at Nain, 25° at Barrington, 31° at York. Rising later to between 40° and 46° over the greater part of England and Ireland, to 50° at Bari and to 52° at Biarritz. Succeeding night frosty over England and central Ireland.

Wind light from the E² over the extreme north of Europe, moderate N³ over the United Kingdom, the north of France, and the greater part of Spain; very variable over France and the Mediterranean. Strong to a gale from the NE² over the Gulf of Finland and the Baltic, N³ to NW³ over Germany, W³ over Austria and Hungary, but SE³ over Central Russia. Becoming lighter over the United Kingdom later.

Barometer highest 30.2 in: and more to 30.0 in: over the northern and western parts of the British Islands, with the adjacent parts of the Atlantic; 30.1 in: and more over the eastern parts of Spain and also in Tunis; 30.2 in: and more to 30.0 in: over the White Sea, Scandinavia, and Finland. Lowest 29.2 in: to 29.5 in: in a depression covering the coast of Russia, Austria Hungary, Poland, and eastern Russia, 29.9 in: and less, in a shallow secondary over the extreme southeast of England and a part of the Netherlands. Gradient rather steep over the Baltic and Eastern Russia. Beginning to fall over Scandinavia later, rising over the United Kingdom.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

* AN ASTERISK is inserted in all places for which information is not usually received.
N.B.—The morning observations are made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, 7 a.m. in France, Spain and Portugal, and 9 a.m. in Belgium. The evening observations are made at 6 p.m. in the British Islands (as a rule), and France, 8 p.m. at Oxford, in Sweden, Norway, and Germany, and 9 p.m. in Belgium. The time at each Station is the Standard Time of its Country.

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

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

" Weekly " " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on Friday, 9th December, 1892.

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

| STATIONS. | | YESTERDAY EVENING. (See note at bottom of last page.) | | | | | THIS MORNING. (See note at bottom of last page.) | | | | | | | | | | PAST 24 HOURS. | | | |
|---------------------|-------------------------------|--|-------|---|--------------|----------|---|---------------------------|---|--|--------------|--------------|--------------------------------------|------------------|-------------|---------------------------|----------------|------------------------|------|------|
| | | BAROM. | TEMP. | WIND. | | Weather. | BAROMETER. | | SHADE TEMP. | | | WIND. | | Sea (0 to 9). | SHADE TEMP. | | | Amount of Rainfall. | | |
| | | | | Reading at 32° F. and Sea Level. | Dry Bulb. | | Direc. | Force (0 to 12). | Reading at 32° F. and Sea Level. | Change since Yester- day Morn. | Dry Bulb. | Wet Bulb. | Change in dry since Yesterday. | | Direc. | Force (0 to 12). | Weather. | | Max. | Min. |
| | | Inch. | ° | | | | Inch. | ° | ° | ° | | | | | | ° | Inch. | | | |
| SCANDINAVIA. | Haparanda ... | 29.50 | 14 | E | 4 | 0 | 29.50 | -28 | 10 | 9 | -6 | HW | 2 | b | # | 0 | 18 | 5 | - | |
| | Hernösand ... | 29.54 | 17 | HW | 2 | c | 29.63 | -12 | 8 | 8 | -14 | W | 0 | b | # | 0 | 23 | ? | - | |
| | Stockholm ... | 29.54 | 20 | HW | 4 | 0 | 29.63 | +11 | 20 | 19 | -3 | W | 0 | 0 | # | 0 | 28 | 16 | - | |
| | Wisby ... | 29.54 | 27 | WSW | 8 | 0 | 29.63 | +13 | 30 | 28 | +1 | HW | 4 | c | # | 0 | 30 | 23 | - | |
| | Bodö ... | 29.54 | 28 | ESE | 2 | b | 29.56 | -12 | 28 | 25 | -2 | E | 2 | b | 1 | 0 | 30 | 25 | - | |
| | Christiansund... | 29.64 | 39 | HW | 3 | c | 29.65 | -14 | 33 | 32 | -14 | ESE | 1 | b | 4 | c | 39 | 33 | 0.16 | |
| | Skudesnaes ... | 29.63 | 35 | HW | 1 | c | 29.62 | -26 | 30 | 29 | -14 | HW | 1 | 0 | 2 | c | 36 | 27 | - | |
| | Christiania Fjord (Færder) | 29.63 | 33 | W | 0 | c | 29.63 | -17 | 33 | 31 | +3 | HW | 2 | 0 | 1 | c | 34 | 30 | - | |
| | Skagen (The Scaw) | 29.61 | 30 | W | 1 | b | 29.58 | -20 | 33 | 32 | +1 | W | 1 | 0 | 0 | b | 36 | 28 | - | |
| | Fanö ... | 29.70 | 34 | HW | 3 | bc | 29.63 | -26 | 32 | 32 | 0 | ESE | 2 | s | # | bc | 37 | 32 | 0.12 | |
| ISLANDS. | Sumburgh Head | 29.79 | 32 | W | 1 | 0 | 29.61 | -37 | 32 | 30 | -14 | W | 3 | s | 4 | 0 | 36 | 29 | 0.01 | |
| | Stornoway ... | 29.79 | 33 | SW | 2 | s | 29.98 | -15 | 32 | 32 | 0 | HW | 3 | 0 | 3 | r,s | 36 | 30 | 0.04 | |
| | Wick ... | 29.77 | 33 | W | 1 | 0 | 29.83 | -25 | 29 | 28 | 0 | HW | 2 | bc | 1 | 0 | 34 | 27 | 0.15 | |
| | Nairn ... | 29.77 | 35 | W | 0 | s | 29.89 | -27 | 31 | 30 | +1 | HW | 3 | b | 2 | s | 35 | 29 | 0.17 | |
| | Aberdeen ... | 29.84 | 32 | WSW | 1 | c | 29.84 | -31 | 32 | 31 | +2 | HW | 4 | c | 3 | sp,sg | 34 | 29 | 0.07 | |
| | Leith ... | 29.85 | 32 | W | 1 | r | 29.88 | -32 | 34 | 31 | +2 | HW | 3 | b | # | r | 36 | 31 | 0.25 | |
| | Shields ... | 29.89 | 35 | SW | 2 | s | 29.75 | -14 | 35 | 34 | +5 | HW | 4 | cp | 3 | 0,s | 36 | 27 | 0.33 | |
| | Spurn Head ... | 29.98 | 34 | SW | 3 | sm | 29.63 | -35 | 38 | 37 | +3 | HW | 5 | 0 | 4 | sm,r | 40 | 32 | 0.10 | |
| | York ... | 30.03 | 35 | SSW | 1 | s | 29.75 | -28 | 34 | 33 | +1 | HW | 1 | b | # | s | 36 | 29 | 0.15 | |
| | Loughborough | 30.08 | 33 | WSW | 3 | 0 | 29.66 | -60 | 35 | 34 | +10 | N | 5 | 0 | # | 0,r,s | 36 | 25 | 0.34 | |
| BRITISH. | Ardrossan ... | 29.85 | 42 | SSW | 3 | pm | 29.93 | -29 | 35 | 32 | +1 | HW | 1 | bm | 0 | cm,pm | 43 | 32 | 0.42 | |
| | Malin Head ... | 29.74 | 47 | HW | 6 | or | 29.97 | -25 | 40 | 36 | -3 | N | 5 | 0 | 3 | or | 47 | 39 | 0.37 | |
| | Mullaghmore ... | 29.93 | 48 | WSW | 5 | r | 30.01 | -32 | 42 | 38 | +4 | HW | 5 | cg | 4 | or,m | 48 | 37 | 0.26 | |
| | Belmullet ... | 30.01 | 50 | W | 5 | 0 | 30.08 | -24 | 43 | 40 | 0 | N | 3 | 0 | # | r,ou | 50 | 41 | 0.54 | |
| | Donaghadee ... | 29.88 | 37 | SSW | 4 | r | 29.94 | -30 | 40 | 38 | +4 | HW | 7 | b | 5 | r | 45 | 36 | 0.05 | |
| | Liverpool (Bidston) | 29.99 | 38 | N | 4 | 0 | 29.80 | -48 | 36 | 34 | +2 | N | 3 | 0 | 4 | 0 | 44 | 34 | 0.58 | |
| | Holyhead ... | 30.03 | 40 | W | 4 | rg | 29.84 | -45 | 42 | 40 | +2 | HW | 4 | cg | 4 | og,r | 47 | 38 | 0.31 | |
| | Parsonstown ... | 30.04 | 41 | SW | 1 | r | 30.01 | -35 | 36 | 35 | +7 | HW | 1 | b | # | r | 47 | 28 | 0.31 | |
| | Valencia ... | 30.20 | 49 | HW | 6 | og,m | 30.04 | -39 | 48 | 46 | +14 | N | 7 | cu | 6 | rg,og,m | 50 | 33 | 0.30 | |
| | Roche's Point | 30.12 | 46 | W | 3 | dm | 29.96 | -41 | 44 | 42 | +6 | N | 4 | bc | 4 | od,q | 47 | 38 | 0.20 | |
| GERMANY & HOLLAND. | Pembroke (St. Ann's Hd.) | 30.13 | 43 | WSW | 4 | c | 29.79 | -51 | 44 | 42 | +6 | N | 6 | cg | 5 | c | 49 | 37 | 0.45 | |
| | Scilly ... | 30.25 | 45 | HW | 1 | b | 29.82 | -48 | 47 | 47 | +2 | HW | 7 | c | 3 | bc,b | 47 | 40 | 0.30 | |
| | Prawle Point ... | 30.21 | 36 | HW | 2 | b | 29.71 | -60 | 44 | 43 | +12 | HW | 4 | ou | 3 | b,r,q | 47 | 32 | 0.31 | |
| | Jersey (St. Aubin's) | 30.26 | 39 | ESE | 2 | bcm | 29.67 | -59 | 44 | 39 | +2 | HW | 5 | og,m | 5 | bc,og,m | 45 | 39 | 0.39 | |
| | Hurst Castle ... | 30.18 | 36 | HW | 3 | b | 29.57 | -69 | 45 | 44 | +13 | HW | 6 | cg | 3 | b,r | 46 | 30 | 0.38 | |
| | Dungeness ... | 30.14 | 32 | HW | 3 | m | 29.46 | -72 | 45 | 45 | +13 | WSW | 9 | r | 8 | m | 45 | 31 | 0.47 | |
| | North Foreland | 30.11 | 35 | HW | 3 | b | 29.46 | -71 | 39 | 38 | 0 | HW | 4 | og,r,q | 4 | b | 41 | 37 | 0.42 | |
| | London ... | 30.14 | 37 | W | 1 | bcm | 29.56 | -68 | 36 | 35 | +3 | N | 4 | 0 | # | bcm,og,r,q | 42 | 31 | 0.23 | |
| | Oxford ... | 30.06 | 34 | W | 1 | 0 | 29.64 | -64 | 34 | 33 | +5 | N | 4 | og | # | c,osp | 40 | 28 | 0.26 | |
| | Cambridge ... | 30.12 | 32 | HW | 1 | c | 29.60 | -64 | 34 | 34 | +4 | N | 3 | 0 | # | c | 38 | 29 | 0.24 | |
| FRANCE AND BELGIUM. | Yarmouth ... | 30.06 | 32 | W | 3 | bcf | 29.52 | -64 | 35 | 34 | +1 | HW | 3 | cg | 4 | bc,bcf | 35 | 30 | 0.17 | |
| | Cuxhaven ... | 29.90 | 35 | WSW | 3 | r | 29.74 | -21 | 33 | 32 | -2 | SW | 4 | s | # | r | 37 | 32 | 0.12 | |
| | Berlin ... | 29.91 | 32 | SW | 2 | 0 | 29.90 | -03 | 31 | 30 | +1 | W | 2 | 0 | # | 0 | 34 | 30 | 0.08 | |
| | Wiesbaden ... | 30.13 | 22 | W | 2 | b | 30.01 | -11 | 21 | 20 | -1 | W | 1 | bc | # | # | 34 | 18 | - | |
| | Munich ... | 30.13 | 22 | W | 2 | b | 30.07 | +03 | 21 | 21 | -5 | W | 3 | 0 | # | b | 27 | 14 | - | |
| | The Helder ... | 29.97 | 39 | HW | 5 | bc | 29.66 | -44 | 35 | 34 | -3 | W | 6 | s | 3 | bc | 41 | 34 | 0.08 | |
| | Brussels (Gare) | 30.00 | 38 | HW | 4 | f | 29.76 | -43 | 31 | 31 | +3 | SSW | 6 | s | # | 0 | 34 | 28 | - | |
| | Cape Gris Nez | 30.09 | 29 | HW | 1 | b | 29.51 | -64 | 39 | 39 | +4 | SW | 9 | r | 8 | f | 41 | 32 | 0.59 | |
| | Paris ... | 30.24 | 29 | HW | 1 | bc | 29.93 | -26 | 32 | 30 | +2 | SSW | 5 | 0 | # | b | 34 | 29 | - | |
| | Brest ... | 30.27 | 41 | HW | 3 | bc | 29.86 | -39 | 47 | 46 | +8 | WSW | 7 | r | 4 | bc | 46 | 39 | 0.16 | |
| PENINSULA. | Lorient ... | 30.27 | 41 | HW | 3 | bc | 29.86 | -39 | 47 | 46 | +8 | WSW | 7 | r | 4 | bc | 45 | 39 | - | |
| | Rocheport ... | 30.23 | 35 | ESE | 4 | b | 30.04 | -14 | 42 | 38 | +4 | SW | 4 | 0 | # | b | ? | 30 | - | |
| | Belfort ... | 30.23 | 31 | E | 2 | 0 | ? | ? | 19 | 17 | -9 | W | 3 | c | # | 0 | 33 | 14 | 0.04 | |
| | Lyons ... | 30.23 | 30 | W | 1 | 0 | 30.17 | +05 | 23 | 23 | -6 | ESE | 1 | f | # | 0 | 33 | 23 | 0.04 | |
| | Nice ... | 30.00 | 35 | E | 1 | b | 30.05 | +11 | 36 | 27 | +1 | E | 3 | b | 3 | b | 43 | 32 | 0.08 | |
| | Perpignan ... | 30.16 | 39 | N | 1 | b | 30.15 | +11 | 29 | 28 | -11 | W | 0 | b | # | b | 46 | 29 | - | |
| | Biarritz ... | 30.19 | 38 | E | 3 | c | 30.17 | +05 | 35 | 31 | -3 | W | 3 | b | 1 | c | 43 | 28 | - | |
| | Corunna ... | 30.01 | 48 | HW | 4 | b | 30.06 | +02 | 43 | 36 | -7 | HW | 5 | b | # | b | 54 | 43 | - | |
| | Lisbon ... | 30.01 | 48 | HW | 4 | b | 30.06 | +02 | 43 | 36 | -7 | HW | 5 | b | # | b | 54 | 43 | - | |

For Explanation of Columns, see bottom of last page

† Received too late for insertion in Charts on next page.

WEATHER CHARTS

for 8 a.m. on Friday, 9th Dec^r. 1892.

BAROMETER, WIND AND SEA.

EXPLANATION OF MAP

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

Changes since previous morning are stated in words.

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

their tails and feathers refer to force thus—

→ force above 10; → force 8 to 10;
→ force 5 to 7; → force 3 to 4;
→ dead calm.

SEA DISTURBANCE—Where considerable, is shown thus:

— Rough — High.

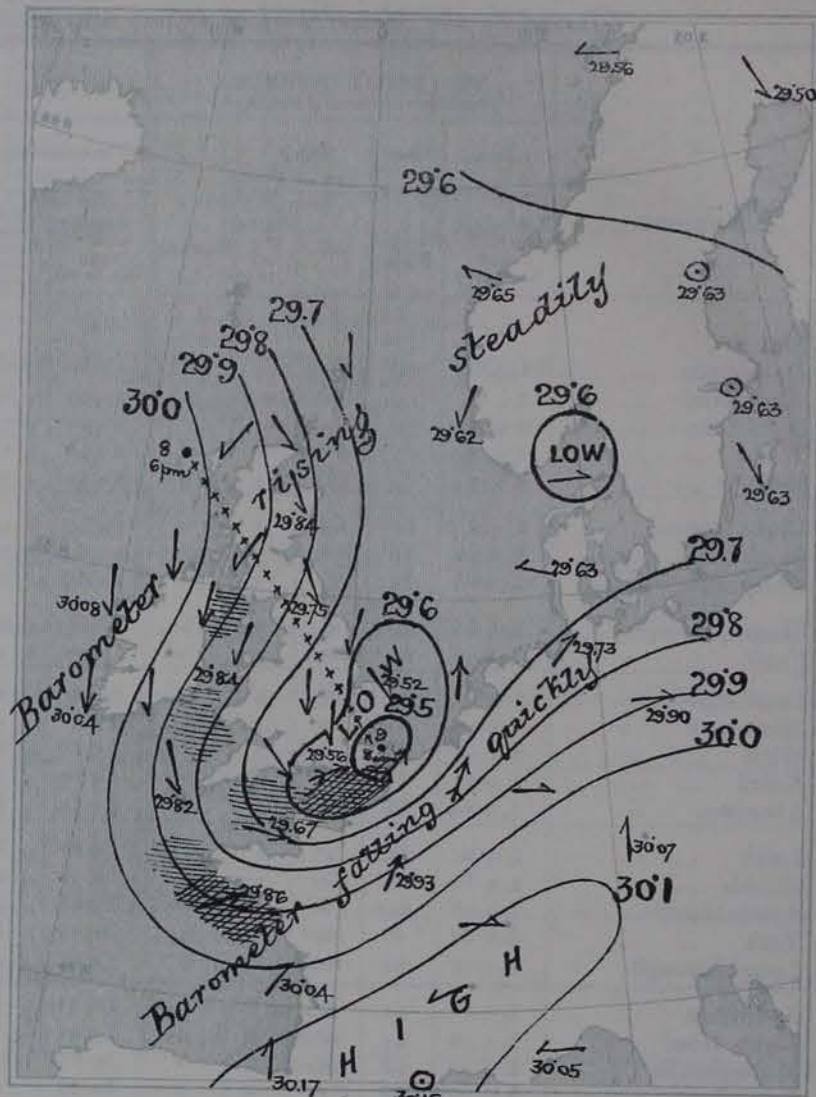
MEAN HEIGHT OF THE BAROMETER

at 80 ft. for the month of December
during the 20 Years 1871—1890.

STATIONS.

MEAN READINGS

| STATIONS. | MEAN READINGS |
|-----------------|---------------|
| Sambarough Head | 29.673 |
| Stornoway | 29.704 |
| Wick | 29.748 |
| Nairn | 29.744 |
| Aberdeen | 29.767 |
| Leith | 29.807 |
| Shields | 29.843 |
| Spain Head | 29.873 |
| York | 29.896 |
| Loughborough | 29.921 |
| Androssau | 29.926 |
| Mallaghmore | 29.921 |
| Donaghadee | 29.948 |
| Holyhead | 29.979 |
| Liverpool | 29.984 |
| Parsonstown | 29.991 |
| Valencia | 29.993 |
| Roches Point | 29.994 |
| Pembroke | 29.995 |
| Sally | 29.994 |
| Pravle Point | 29.999 |
| Jersey | 29.985 |
| Hurst Castle | 29.954 |
| Dover | 29.954 |
| LONDON | 29.951 |
| Oxford | 29.955 |
| Cambridge | 29.941 |
| Yarmouth | 29.913 |



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

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

WEATHER—is shown by Letters of the Beaufort Scale.

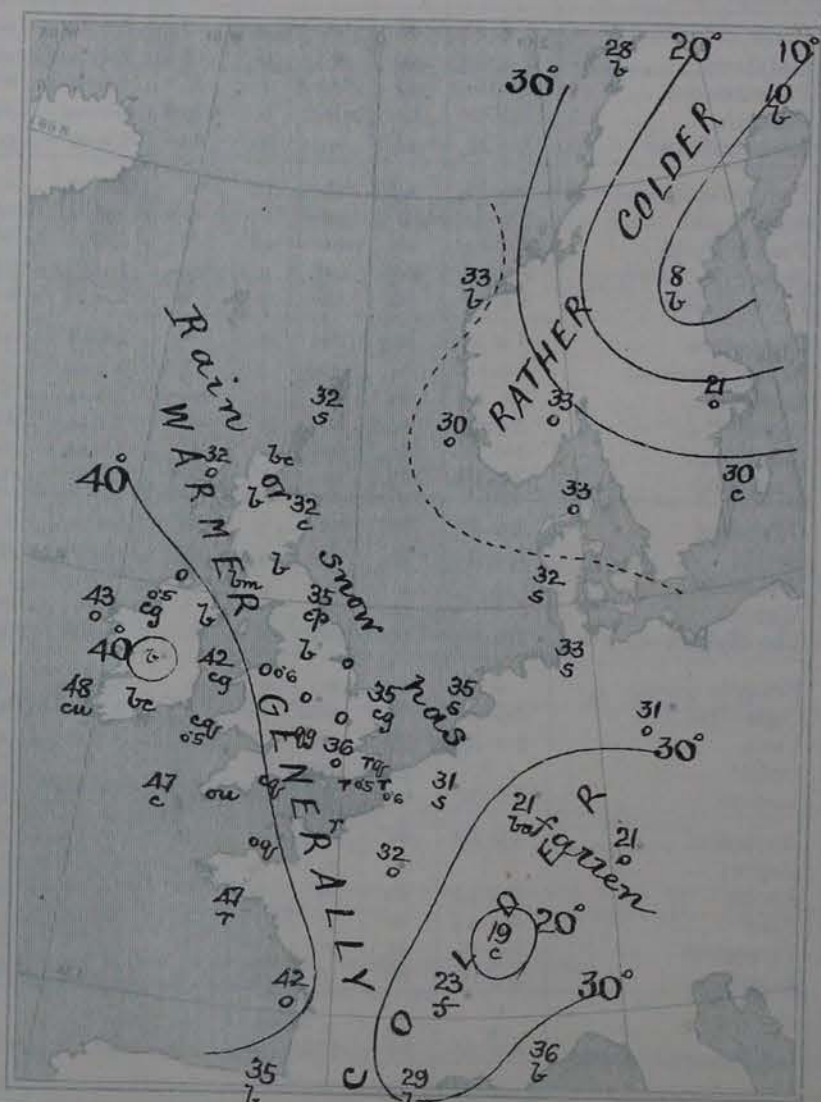
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL

(For the month of December.)

| STATIONS. | TEMPERATURE. | | | | RAINFALL Inches. |
|-----------------|---------------|---------------|-----------|-----------|---------------------|
| | Daily Max. | Daily Min. | at 8 a.m. | at 4 p.m. | |
| Sambarough Head | 42.0 | 35.2 | 39.5 | 38.1 | 1.25 |
| Stornoway | 43.4 | 34.2 | 39.4 | 38.2 | 1.05 |
| Wick | 43.2 | 32.7 | 38.1 | 36.8 | 3.10 |
| Nairn | 41.9 | 32.8 | 35.1 | 35.0 | 1.30 |
| Aberdeen | 41.0 | 32.6 | 38.0 | 35.2 | 0.21 |
| Leith | 44.0 | 33.7 | 38.5 | 37.0 | 1.36 |
| Shields | 42.9 | 33.0 | 38.3 | 36.9 | 2.57 |
| Spain Head | 42.4 | 35.3 | 38.8 | 37.7 | 2.19 |
| York | 42.5 | 33.3 | 39.4 | 37.4 | 2.28 |
| Loughborough | 42.7 | 32.2 | 39.3 | 37.1 | 2.25 |
| Androssau | 41.5 | 33.0 | 39.0 | 36.7 | 3.73 |
| Mallaghmore | 40.5 | 37.3 | 42.2 | 39.8 | 1.61 |
| Donaghadee | 43.8 | 36.2 | 40.2 | 39.3 | 5.81 |
| Holyhead | 46.4 | 39.1 | 42.8 | 41.1 | 3.82 |
| Liverpool | 45.5 | 35.0 | 38.8 | 37.1 | 2.60 |
| Parsonstown | 41.7 | 33.1 | 37.8 | 36.6 | 5.04 |
| Valencia | 40.7 | 40.0 | 44.0 | 42.3 | 5.05 |
| Roches Point | 47.0 | 34.9 | 42.9 | 41.5 | 1.05 |
| Pembroke | 46.5 | 40.3 | 43.6 | 42.2 | 3.99 |
| Sally | 49.5 | 43.1 | 47.0 | 45.1 | 1.02 |
| Pravle Point | 47.0 | 38.2 | 42.0 | 41.1 | 1.76 |
| Jersey | 47.0 | 39.3 | 45.1 | 44.4 | 3.82 |
| Hurst Castle | 45.0 | 39.3 | 40.0 | 39.3 | 2.78 |
| Dover | 44.3 | 35.0 | 39.8 | 38.0 | 3.00 |
| LONDON | 44.0 | 34.0 | 37.8 | 36.7 | 2.10 |
| Oxford | 42.9 | 33.5 | 37.0 | 35.0 | 2.10 |
| Cambridge | 49.8 | 31.6 | 39.2 | 35.0 | 1.88 |
| Yarmouth | 41.0 | 31.7 | 32.0 | 37.0 | 2.46 |

NOTE—The Temperature means are for the 20 years 1871-90, the Rainfall means are mainly those for the 35 years 1856-90.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.1 in: and more over Spain and the south of France; 30.0 in: and upwards in the west of Ireland.
 Lowest, 29.5 in: and less, in a depression lying over the extreme southeast of England, and also in another disturbance lying over Scandinavia.
 Gradient rather steep over the Netherlands and the northern parts of France, moderate or slight elsewhere.
 Barometer rising in all but the extreme southern parts of our Islands as well as in Scandinavia, but falling in Denmark, Germany, and France.

TEMPERATURE

Highest, 46° at Valencia Island, 47° at Lillie and Lorient, 45° at Hunt-Castle and Dungeness, and 44° at Rocher, Pembroke, and Newcastle.
 Lowest, (1) 8° at Hennesand, 10° at Kaparunda, and 21° at Stockholm; (2) 21° at Minsk and Munich, and 23° at Lyons; (3) 29° to 32° in the north of Scotland.

A decided rise has taken place since yesterday on our southern and southwestern coasts.

WIND

N⁴ over the greater part of the United Kingdom and strong in force on our western and southern coasts; strong to a gale from the SWnd in the Straits of Dover and over the north of France; strong from the Snd in the Netherlands.
 Light and variable over Scandinavia and Denmark.

WEATHER

Fine over the northern parts of our Islands and Scandinavia, but cloudy or overcast elsewhere, with rain in the extreme southeast of England, and with snow over the Netherlands, North Germany and the south of Denmark.
 In the course of the past 24 hours rain or sleet has fallen over the entire Kingdom, the largest amounts being 0.6 inch at Limerick, and 0.5 in: at Pembroke and Dungeness.

SEA

Very high in the Straits of Dover and rough or rather so on our south and southwest coasts generally, as well as at Donaghadee.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression over the southeast of England seems likely to travel away in a southeasterly direction. Snow showers are probable at several of our eastern and southeastern stations, with strong and equally winds from the Nnd.

FORECASTS

For the 24 hours ending at NOON on 10th Dec^r.

1892.

DISTRICTS.

FORECASTS.

| | | |
|---|------------------|---|
| 0 | SCOTLAND NORTH | NW ⁴ to N ⁴ winds, moderate; changeable, some snow showers. |
| 1 | SCOTLAND EAST | |
| 2 | ENGLAND N.E. | Same as No. 5. |
| 3 | ENGLAND EAST | |
| 4 | MIDLAND COUNTIES | |
| 5 | ENGLAND SOUTH | N ⁴ winds, strong to moderate; squally, some snow showers. |

DISTRICTS.

FORECASTS.

| | | |
|----|---------------|--|
| 6 | SCOTLAND WEST | NE ⁴ winds, light; fair generally. |
| 7 | ENGLAND N.W. | |
| 8 | ENGLAND S.W. | N ⁴ winds, fresh or strong; squally, some cold showers. |
| 9 | IRELAND NORTH | |
| 10 | IRELAND SOUTH | |

WARNINGS

At 7.40 pm. yesterday to districts 0 to 2 and 6 to 10. "Hoist North Cone". The signals have been lowered this morning in districts 0, 1 and 6.

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

YESTERDAY'S 2 P.M. REPORTS.

| | BAR. | THER. | | WIND. Direc. | F. | WEA. | SEA. | | BAR. | | THER. | | WIND. Direc. | F. | WEA. | SEA. |
|-----------------|-------|-------|------|-----------------|----|------|------|--|--------------------|-------|-------|------|-----------------|----|------|------|
| | | Dry. | Wet. | | | | | | | | Dry. | Wet. | | | | |
| Skudesnaes ... | 29.78 | 36 | 32 | W | 2 | c | 2 | | Valencia ... | 30.31 | 48 | 46 | W | 5 | gt | 5 |
| Sumburgh Head | 29.87 | 36 | 34 | W | 2 | 0 | 3 | | Scilly ... | 30.29 | 46 | 42 | W | 4 | bc | 2 |
| Stornoway ... | 29.93 | 35 | 35 | W | 4 | 1 | 4 | | Jersey ... | 30.29 | 44 | 40 | E | 3 | bc | 3 |
| Aberdeen ... | 30.00 | 33 | 30 | W | 2 | 0 | 3 | | Hurst Castle ... | 30.25 | 40 | 38 | NE | 1 | cm | 2 |
| Shields ... | 30.09 | 35 | 34 | W | 2 | 0 | 3 | | Dungeness ... | 30.20 | 38 | 36 | W | 2 | m | 1 |
| Ardrossan ... | 30.05 | 41 | 40 | W | 2 | 0 | 2 | | North Foreland ... | 30.15 | 38 | 36 | W | 2 | b | 4 |
| Malin Head ... | 30.05 | 41 | 41 | W | 3 | 0 | 2 | | London ... | 30.21 | 39 | 37 | W | 1 | bcm | * |
| Mullaghmore ... | 30.14 | 41 | 40 | SSW | 4 | 0 | 2 | | Yarmouth ... | 30.12 | 35 | 34 | W | 3 | bf | 3 |
| Belmullet ... | 30.16 | 47 | 46 | W | 2 | 1 | * | | Rochefort ... | 30.23 | 35 | 33 | NE | 3 | m | * |
| Holyhead ... | 30.20 | 42 | 40 | W | 3 | 0 | 2 | | | | | | | | | |

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

Continental Information not received.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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

" Weekly " " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on Saturday, 10th December, 1892.

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

| STATIONS. | YESTERDAY EVENING. (See note at bottom of last page.) | | | | | | THIS MORNING. (See note at bottom of last page.) | | | | | | | | | | PAST 24 HOURS. | | | |
|---------------------|--|--------------|-------|---------------------|----------|-----|---|--|--------------|--------------|--------------------------------------|-------|---------------------|----------|------------------|-----------|----------------|------|------------------------|--|
| | BAROM. | TEMP. | WIND. | | Weather. | | BAROMETER. | | SHADE TEMP. | | | WIND. | | Weather. | Sea (0 to 9). | | SHADE TEMP. | | Amount of Rainfall. | |
| | Reading at 32° F. and Sea Level. | Dry Bulb. | Dir. | Force (0 to 12). | | | Reading at 32° F. and Sea Level. | Change since Yester- day Morn. | Dry Bulb. | Wet Bulb. | Change in dry since Yesterday. | Dir. | Force (0 to 12). | | | | Max. | Min. | | |
| | Inch. | ° | | | | | Inch. | | ° | ° | | | | | | | ° | ° | | |
| SCANDINAVIA. | Haparanda ... | 29.61 | 6 | 2 | 0 | bc | 29.67 | +17 | 12 | 12 | +2 | 2 | 0 | 0 | # | bc | 16 | 5 | - | |
| | Hernösand ... | 29.71 | 3 | 2 | 0 | b | 29.76 | +13 | 15 | 15 | +7 | 2 | 0 | 0 | # | b | 18 | -2 | - | |
| | Stockholm ... | 29.74 | 19 | 2 | 0 | bc | 29.84 | +21 | 25 | 24 | +5 | sw | 2 | 0 | # | bc | 25 | 18 | - | |
| | Wisby ... | 29.77 | 30 | ssw | 4 | o | 29.89 | +26 | 30 | 28 | 0 | ssw | 4 | 0 | # | o | 34 | 23 | - | |
| | Bodö ... | 29.58 | 28 | E | 2 | S | 29.28 | -28 | 33 | 31 | +5 | S | 4 | 0 | 2 | S | ? | 25 | - | |
| | Christiansund... | 29.76 | 31 | hsh | 1 | b | 29.65 | -00 | 36 | 33 | +3 | hsh | 3 | c | 4 | b | 36 | 30 | - | |
| | Skudesnaes ... | 29.80 | 29 | ENE | 1 | o | 29.82 | +20 | 34 | 31 | +4 | E | 4 | 0 | 2 | o | ? | 25 | - | |
| | Christiania Fjord (Farder) | 29.76 | 32 | N | 4 | b | 29.86 | +23 | 27 | 26 | -6 | N | 3 | 0 | 1 | b | 33 | 27 | - | |
| | Skagen (The Scaw) | 29.76 | 33 | E | 2 | o | 29.81 | +23 | 35 | 34 | +2 | ESE | 3 | 0 | 1 | o | 36 | 32 | - | |
| | Fanö ... | 29.73 | 30 | rw | 1 | o | 29.82 | +19 | 28 | 28 | -4 | rw | 1 | 0 | # | o | 34 | 28 | 0.24 | |
| BRITISH ISLANDS. | Sumburgh Head | 29.89 | 36 | N | 3 | c | 29.66 | +05 | 37 | 34 | +5 | ssw | 2 | 0 | 3 | o.c | 38 | 31 | 0.09 | |
| | Stornoway ... | 30.00 | 34 | 2 | 0 | c | 29.60 | -38 | 41 | 41 | +9 | sw | 3 | r | 4 | o.c | 41 | 30 | 0.12 | |
| | Wick ... | 29.94 | 34 | rw | 2 | bc | 29.63 | -20 | 35 | 33 | +6 | sw | 1 | 0 | 1 | bc | 35 | 25 | 0.04 | |
| | Nairn ... | 29.99 | 31 | 2 | 0 | bc | 29.68 | -21 | 37 | 37 | +6 | N | 3 | c | 2 | bc | 37 | 16 | - | |
| | Aberdeen ... | 29.95 | 32 | rw | 3 | bc | 29.81 | -03 | 30 | 28 | -2 | sw | 2 | ogm | 3 | b, bc | 34 | 22 | - | |
| | Leith ... | 29.99 | 29 | rw | 3 | b | 29.88 | -00 | 34 | 32 | -5 | hsh | 4 | m | # | b | 37 | 25 | - | |
| | Shields ... | 29.88 | 36 | rw | 3 | c | 29.95 | +20 | 27 | 26 | -8 | hsh | 2 | c | 3 | shp.c | 38 | 24 | 0.24 | |
| | Spurn Head ... | 29.74 | 39 | hsh | 5 | c.v | 29.95 | +32 | 32 | 32 | -6 | rw | 2 | b | 3 | hsh, cv | 40 | 31 | 0.08 | |
| | York ... | 29.85 | 32 | N | 2 | S | 30.00 | +25 | 27 | 27 | -7 | N | 1 | b | # | S | 35 | 27 | 0.05 | |
| | Loughborough | 29.86 | 32 | hsh | 4 | o | 30.03 | +37 | 29 | 27 | -6 | hsh | 2 | b | # | b | 37 | 27 | - | |
| GERMANY & HOLLAND. | Ardrossan ... | 30.03 | 35 | rw | 1 | b | 29.87 | -06 | 39 | 39 | +4 | S | 4 | r | 4 | b | 39 | 31 | 0.02 | |
| | Malin Head ... | 30.07 | 39 | hsh | 3 | c | 29.79 | -18 | 43 | 43 | +3 | sw | 4 | ot | 2 | o.c.m | 44 | 36 | 0.03 | |
| | Mullaghmore ... | 30.11 | 41 | hsh | 4 | om | 29.89 | -12 | 44 | 43 | +2 | hsh | 4 | op | 2 | o | 44 | 38 | 0.08 | |
| | Belmullet ... | 30.14 | 43 | N | 3 | o | 29.88 | -20 | 48 | 47 | +5 | sw | 3 | o | # | o.o | 48 | 40 | 0.13 | |
| | Donaghadee ... | 30.06 | 39 | NE | 3 | b | 29.95 | +01 | 35 | 35 | -5 | ssw | 5 | r | 3 | b | 42 | 35 | 0.03 | |
| | Liverpool (Bidston) | 29.97 | 34 | N | 3 | b | 30.03 | +23 | 34 | 32 | -2 | hsh | 2 | c | 2 | b | 37 | 33 | - | |
| | Holyhead ... | 30.00 | 38 | hsh | 5 | bc | 30.01 | +17 | 38 | 36 | -4 | sw | 1 | c.g | 2 | c, bc | 43 | 33 | - | |
| | Parsonstown ... | 30.11 | 36 | 2 | 0 | c | 29.98 | -03 | 39 | 38 | +3 | 2 | 0 | ogm | # | c.o | 41 | 31 | - | |
| | Valencia ... | 30.17 | 44 | N | 3 | bc | 30.07 | +03 | 48 | 47 | 0 | hsh | 4 | om | 4 | c.v, bc | 48 | 42 | 0.03 | |
| | Roche's Point | 30.10 | 42 | N | 4 | b | 30.04 | +08 | 43 | 42 | -1 | N | 1 | c | 3 | b | 45 | 36 | - | |
| FRANCE AND BELGIUM. | Pembroke (St. Ann's Hd.) | 29.98 | 39 | hsh | 4 | c | 30.08 | +29 | 42 | 36 | -2 | N | 2 | cv | 2 | c | 44 | 34 | 0.02 | |
| | Scilly ... | 29.99 | 45 | hsh | 6 | c | 30.12 | +30 | 43 | 40 | -4 | hsh | 3 | c | 3 | c | 47 | 39 | - | |
| | Prawle Point ... | 29.94 | 37 | N | 4 | o | 30.12 | +41 | 30 | 30 | -14 | NW | 3 | b | 2 | o | 47 | 30 | - | |
| | Jersey (St. Aubin's) | 29.87 | 43 | rw | 4 | c | 30.08 | +41 | 41 | 37 | -3 | rw | 3 | bc.m | 3 | p.b | 49 | 39 | - | |
| | Hurst Castle ... | 29.86 | 35 | hsh | 6 | m | 30.06 | +49 | 31 | 30 | -14 | hsh | 3 | b | 1 | c.g.m | 45 | 30 | - | |
| | Dungeness ... | 29.65 | 36 | hsh | 6 | c | 29.96 | +50 | 34 | 33 | -11 | N | 3 | c | 2 | c | 45 | 34 | - | |
| | North Foreland | 29.60 | 38 | hsh | 8 | bc | 29.91 | +45 | 36 | 35 | -3 | hsh | 5 | og | 4 | ogp | 40 | 35 | 0.03 | |
| | London ... | 29.77 | 35 | hsh | 5 | c.g | 30.01 | +45 | 32 | 31 | -4 | rw | 2 | b | # | qpsr, c.g | 39 | 32 | - | |
| | Oxford ... | 29.89 | 31 | N | 2 | b | 30.05 | +41 | 30 | 29 | -4 | rw | 1 | b | # | b | 39 | 30 | - | |
| | Cambridge ... | 29.77 | 34 | N | 4 | o | 30.00 | +40 | 29 | 29 | -5 | rw | 1 | b | # | rsp | 38 | 28 | 0.02 | |
| PENINSULA. | Yarmouth ... | 29.63 | 38 | N | 5 | bc | 29.91 | +39 | 37 | 35 | +2 | N | 4 | c.rsp | 4 | c.g.g | 39 | 33 | 0.06 | |
| | Cuxhaven ... | 29.71 | 31 | sw | 2 | c | 29.83 | +04 | 27 | ? | -6 | ESE | 2 | m | # | c | 33 | 25 | - | |
| | Berlin ... | 29.87 | 24 | SE | 1 | b | 29.82 | -08 | 24 | 23 | -7 | E | 2 | o | # | b | 31 | 23 | - | |
| | Wiesbaden ... | ? | ? | ? | ? | ? | 29.67 | -34 | 32 | 32 | +11 | SE | 2 | o | # | # | 34 | 21 | 0.12 | |
| | Munich ... | 29.80 | 16 | SE | 4 | b | 29.75 | -32 | 26 | 24 | +5 | sw | 4 | o | # | b | 27 | 14 | - | |
| | The Helder ... | 29.64 | 31 | E | 1 | S | 29.88 | +22 | 32 | 31 | -3 | NE | 1 | b | 1 | S | 36 | 30 | 0.83 | |
| | Brussels (9 a.m.) | ? | ? | ? | ? | ? | 29.65 | +09 | 28 | 27 | -3 | hsh | 4 | o | # | S | 32 | 27 | 0.04 | |
| | Cape Gris Nez | ? | 39 | N | 7 | o | 29.85 | +34 | 36 | 35 | -3 | N | 7 | o | # | o | 41 | 34 | 0.28 | |
| | Paris ... | 29.64 | 37 | N | 2 | o | 29.88 | -05 | 36 | 34 | +4 | rw | 4 | o | # | o | 37 | 27 | 0.55 | |
| | Brest ... | ? | 46 | N | 4 | o | ? | ? | 39 | 35 | -11 | hsh | 1 | b | 1 | o | 52 | 34 | - | |
| PENINSULA. | Lorient ... | 29.89 | 46 | hsh | 6 | c | 30.11 | +25 | 40 | 36 | -7 | N | 4 | b | 4 | c | 54 | 39 | - | |
| | Rochefort ... | 29.82 | 48 | rw | 5 | c | 30.07 | +03 | 38 | 35 | -4 | NE | 4 | b | # | h.c | 52 | 34 | 0.28 | |
| | Belfort ... | ? | 27 | N | 3 | S | ? | ? | 29 | 29 | +10 | N | 3 | c | # | S | 30 | 19 | 0.12 | |
| | Lyons ... | 29.92 | 33 | S | 1 | S | 29.93 | -24 | 33 | 31 | +10 | rw | 1 | o | # | S | 34 | 23 | 0.24 | |
| | Nice ... | 29.99 | 27 | 2 | 0 | b | 29.88 | -17 | 36 | ? | 0 | hsh | 2 | o | 3 | b | 46 | 32 | - | |
| | Perpignan ... | 30.03 | 33 | 2 | 0 | bc | 29.95 | -20 | 42 | 38 | +13 | rw | 5 | c | # | bc | 45 | ? | - | |
| | Biarritz ... | 29.97 | 49 | N | 6 | o | 30.05 | -12 | 43 | 40 | +8 | NE | 4 | o | 2 | o | 48 | 35 | 0.16 | |
| | Coranna ... | ? | ? | ? | ? | ? | ? | ? | ? | ? | ? | ? | ? | ? | ? | ? | ? | ? | - | |
| | Lisbon ... | 30.06 | 46 | hsh | 5 | b | 30.09 | +03 | 46 | 42 | +3 | N | 4 | b | # | b | 52 | 41 | - | |
| | | | | | | | | | | | | | | | | | | | | |

For Explanation of Column 13, see bottom of last page

† Received too late for insertion in Charts on next page.

WEATHER CHARTS

for 8 a.m. on Saturday, 10th Dec^r 1892.

BAROMETER, WIND AND SEA.

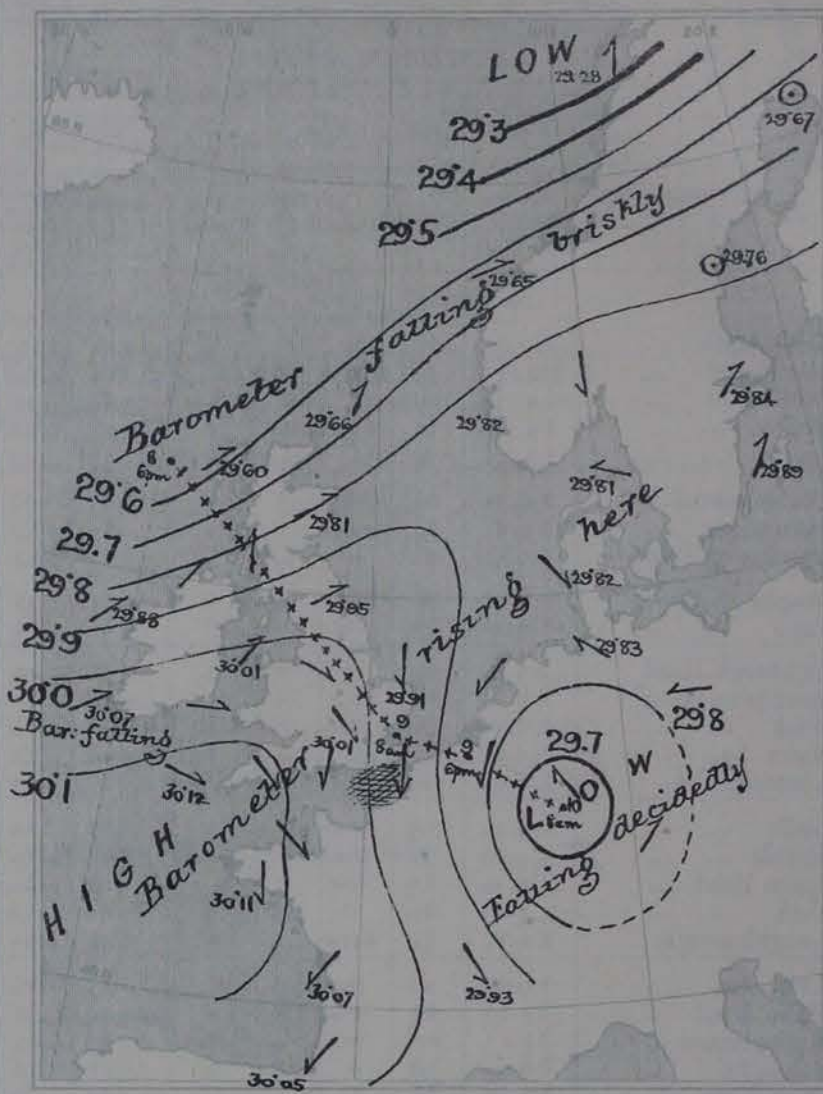
EXPLANATION OF MAP

BAROMETER—Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.
WIND—Arrows show the prevalent winds. They fly with the wind and their barbs and feathers refer to force thus—
 — force above 10 — force 8 to 10 — force 5 to 7 — force 1 to 4.
SEA DISTURBANCE—Where considerable, is shown thus:
 — = Rough. — = High.

MEAN HEIGHT OF THE BAROMETER

at 8 a.m. for the month of December
 during the 20 years 1871-1890.

| STATIONS. | MEAN READINGS. |
|-----------------|----------------|
| Sumburgh Head | 29.67 |
| Stornoway | 29.70 |
| Wick | 29.71 |
| Nairn | 29.72 |
| Aberdeen | 29.73 |
| Leith | 29.74 |
| Shields | 29.75 |
| Spurn Head | 29.76 |
| York | 29.77 |
| Longborough | 29.78 |
| Arbroath | 29.79 |
| Mullaglinmore | 29.80 |
| Dunashaden | 29.81 |
| Holyhead | 29.82 |
| Liverpool | 29.83 |
| Parsonstown | 29.84 |
| Valencia | 29.85 |
| Rochester Point | 29.86 |
| Pembroke | 29.87 |
| Sally | 29.88 |
| Princes Port | 29.89 |
| Jersey | 29.90 |
| Harst Castle | 29.91 |
| Dover | 29.92 |
| LONDON | 29.93 |
| Oxford | 29.94 |
| Cambridge | 29.95 |
| Yarmouth | 29.96 |



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

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

WEATHER—is shown by letters of the Beaufort Scale.

RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.1 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL

(for the month of December)

| STATIONS. | TEMPERATURE. | | | | | RAINFALL Inches. |
|----------------------|---------------|---------------|-----------|------|------|---------------------|
| | Daily Max. | Daily Min. | At 8 a.m. | | | |
| | | | Fair. | Wet. | | |
| Sumburgh Head..... | 42.0 | 33.0 | 39.0 | 38.1 | 1.20 | |
| Stornoway..... | 41.1 | 34.2 | 39.1 | 38.5 | 3.00 | |
| Wick..... | 42.2 | 32.7 | 38.1 | 36.5 | 3.10 | |
| Nairn..... | 41.9 | 32.5 | 37.1 | 35.6 | 1.30 | |
| Aberdeen..... | 41.9 | 32.5 | 36.9 | 35.2 | 1.21 | |
| Leith..... | 41.0 | 33.7 | 38.3 | 37.0 | 1.80 | |
| Shields..... | 42.0 | 33.0 | 38.3 | 36.9 | 2.37 | |
| Spurn Head..... | 42.4 | 35.0 | 38.8 | 37.7 | 2.14 | |
| York..... | 42.1 | 34.3 | 36.4 | 35.4 | 2.28 | |
| Longborough..... | 42.7 | 35.2 | 38.3 | 35.1 | 2.24 | |
| Arbroath..... | 44.5 | 35.0 | 40.0 | 38.7 | 3.73 | |
| Mullaglinmore..... | 46.5 | 37.3 | 42.2 | 39.8 | 1.51 | |
| Dunashaden..... | 45.8 | 36.2 | 40.2 | 38.8 | 2.81 | |
| Holyhead..... | 40.4 | 33.1 | 42.4 | 41.1 | 1.82 | |
| Liverpool..... | 43.3 | 35.4 | 38.8 | 37.1 | 2.39 | |
| Parsonstown..... | 41.7 | 33.1 | 37.5 | 36.6 | 1.01 | |
| Valencia..... | 40.2 | 30.0 | 41.6 | 42.4 | 3.89 | |
| Rochester Point..... | 45.0 | 34.0 | 42.0 | 41.3 | 1.60 | |
| Pembroke..... | 46.8 | 36.0 | 43.0 | 42.2 | 1.99 | |
| Sally..... | 48.6 | 38.1 | 47.0 | 45.1 | 1.42 | |
| Princes Port..... | 47.0 | 38.2 | 45.3 | 44.1 | 3.75 | |
| Jersey..... | 47.0 | 38.8 | 43.1 | 41.4 | 3.42 | |
| Harst Castle..... | 45.9 | 36.3 | 40.6 | 39.8 | 2.75 | |
| Dover..... | 41.3 | 36.0 | 37.8 | 36.6 | 3.00 | |
| LONDON..... | 44.0 | 35.0 | 37.8 | 36.7 | 2.19 | |
| Oxford..... | 43.0 | 33.0 | 37.0 | 35.9 | 2.10 | |
| Cambridge..... | 42.8 | 31.0 | 39.2 | 35.2 | 1.43 | |
| Yarmouth..... | 41.0 | 33.7 | 37.9 | 37.0 | 3.00 | |

NOTE—The Temperature means for the 20 years 1871-90, the Rainfall means are mainly those for the 25 years 1867-90.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.1 in. and upwards, over the southwest of England and the northwest of France.
 Lowest, 29.3 in. and less, in a depression lying off the northwest of Norway; 29.7 in. and less, in another system lying over the southwest of Germany.
 Gradients rather steep over the north of Scandinavia, moderate over the north and northwest of our Islands, slight elsewhere.
 Barometer falling briskly in the extreme west and north of our Islands and the west of Norway, as well as in South Germany, but rising elsewhere.

TEMPERATURE

Highest, 48° at Rismullet and Valerøen Island, 46° at Jibow, 44° at Mullaghmore, and 43° at Malin Hd., Rock of Lundy, and Binnig.
 Lowest, (1) 12° at Haparanda, 15° at Hernösand, and 25° at Stockholm;
 (2) 24° at Berlin and 26° at Albin; (3) 27° at Shields and York.
 The maxima registered yesterday were below 40° on all but our western and southern coasts.

WIND

Moderate from the SW² on our north and northwest coasts and also in the west of Norway.
 Light from the W² on our southern coasts; N² over France, the Netherlands, and the southeast of England,
 E² over Denmark and North Germany.

WEATHER

Dull in Scandinavia, Germany, and the west and north of our Islands, with rain in the west of Scotland and the north of Ireland.
 Fine over the greater part of England and France, but sleet showers reported at Yarmouth.
 Snow, hail, or sleet fell yesterday at many of our eastern and southeastern stations, and heavy snow at the Helder.

SEA

Moderate to slight generally but high at Cape Fin Naz.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

A depression of considerable size is approaching our northern coasts and seems likely to occasion rough unsettled weather in most parts of the Kingdom. The centre of the system will probably move in an easterly, or possibly in a southeasterly direction.

FORECASTS

For the 24 hours ending at NOON on 11th DEC^r 1892.

DISTRICTS.

FORECASTS.

| | | |
|---|------------------|---|
| 0 | SCOTLAND NORTH | SW ² to NW ² winds, increasing in force; squally, with rain or sleet. |
| 1 | SCOTLAND EAST | |
| 2 | ENGLAND N.E. | SW ² to W ² winds, freshening considerably; fair to unsettled and some snow. |
| 3 | ENGLAND EAST | NW ² winds, light, to W ² , fresh or strong; fine to unsettled, with some rain or snow. |
| 4 | MIDLAND COUNTIES | |
| 5 | ENGLAND SOUTH | |

DISTRICTS.

FORECASTS.

| | | |
|----------|---------------|---|
| 6 | SCOTLAND WEST | Same as N ^o 0 and 1. |
| 7 | ENGLAND N.W. | |
| 8 | ENGLAND S.W. | W ² winds, freshening considerably; fair to unsettled and showery. |
| 9 | IRELAND NORTH | Same as N ^o 0 and 1. |
| 10 | IRELAND SOUTH | Same as N ^o 8. |
| WARNINGS | | NONE ISSUED. |

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

YESTERDAY'S 2 P.M. REPORTS.

| | BAR. | THER. | | WIND. | F. | WEA. | SEA. | | BAR. | THER. | | WIND. | F. | WEA. | SEA. |
|-----------------|-------|-------|------|--------|----|------|------|--------------------|-------|-------|------|--------|----|--------|------|
| | | Dry. | Wet. | Dirac. | | | | | | Dry. | Wet. | Dirac. | | | |
| Skudesnaes ... | 29.72 | 31. | 28 | NNE | 2 | 6 | 2 | Valencia ... | 30.14 | 46 | 44 | NNE | 3 | CV | 3 |
| Sumburgh Head | 29.85 | 37 | 34 | N | 3 | 0 | 4 | Seilly ... | 29.92 | 46 | 43 | NW | 6 | C | 4 |
| Stornoway ... | 30.01 | 36 | 33 | NE | 2 | C | 2 | Jersey ... | 29.77 | 45 | 40 | NW | 5 | 0 | 5 |
| Aberdeen ... | 29.90 | 34 | 32 | NW | 3 | 6 | 3 | Hurst Castle ... | 29.74 | 40 | 38 | NNE | 7 | Cg | 4 |
| Shields ... | 29.81 | 35 | 34 | NW | 4 | C | 4 | Dungeness ... | 29.54 | 39 | 37 | N | 5 | C | 4 |
| Ardrossan ... | 29.98 | 37 | 35 | NE | 1 | 6 | 1 | North Foreland ... | 29.52 | 40 | 39 | NW | 7 | 0 | 6 |
| Malin Head ... | 30.03 | 39 | 36 | N | 4 | 0 | 3 | London ... | 29.68 | 38 | 36 | NNE | 6 | Cg/pst | 5 |
| Mullaghmore ... | 30.02 | 41 | 37 | NW | 5 | C | 3 | Yarmouth ... | 29.54 | 39 | 37 | NNE | 6 | Cgq | 5 |
| Belmullet ... | 30.12 | 44 | 41 | NW | 3 | T | # | Rocheport ... | 29.86 | 47 | 45 | SW | 5 | T | # |
| Holyhead ... | 29.93 | 39 | 36 | NNE | 5 | C | 4 | | | | | | | | |

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

Weather in morning fine and bright over the Iberian Peninsula, the south of France, the greater part of Ireland, Scotland, and the northern half of Scandinavia, dull elsewhere, and very unsettled over the southern, midland, and eastern parts of England, the Netherlands, and north of France. Snow and rain at many stations in the latter regions, snow at Sumburgh Hd and Archangel, rain over Brittany, and a threatening appearance at Valencia (Ireland). Snow squalls later in the northeast and east, and a heavy fall (0.8 in: melted) at the Hebrides. Sky clearing later over England.

Temperature changing extremely fitfully. Morning readings 61° at Malta, and above 50° over Algeria generally, 50° at Beirut, 48° at Valencia; much lower over Europe. Lowest (1) 12° to 26° over Austria-Hungary; (2) 19° at Belfast, 21° at Wiesbaden and Munich, 23° at Lyons; (3) 10° at Haparanda, 17° at Kuopio, Helsingfors and Hangö; (4) 29° to 36° over the northern, central and eastern parts of our Islands. Falling to reach 40° over our northeastern, eastern, and midland counties later, and actually falling over Ireland and the southwest of England.

Wind variable. (1) Light from the Nth over Iceland, moderate NWth over the Baltic, but Sth at Moscow, SEth at Archangel; (2) moderate NWth in Scotland, very strong and squally from N. at our western stations, fresh from the same point over our midland and north-eastern counties, strong from NW. over the Channel, but blowing hard from the SWth in the Straits of Dover; (3) Very variable over southern Europe, but NEth over Spain. Shifting Nth on our southeast coasts later, and becoming a fresh gale at the mouth of the Thames. Moderating greatly on our western coasts.

Barometer highest 30.2 in: and more to 30.1 in: over Spain and the southwest of France, and exceeding 30.1 in: over southeastern Europe and also off the east of Ireland. Lowest 29.4 in: and less in a depression over Finland, 29.5 in: and less, in another over the southeast of England, and below 29.9 in: all over northern Africa. Depression over our southeastern districts moving southward, later and apparently beginning to fill up.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

* AN ASTERISK is inserted in all places for which information is not usually received.
N.B.—The morning observations are made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, 7 a.m. in France, Spain and Portugal, and 9 a.m. in Belgium. The evening observations are made at 6 p.m. in the British Islands (as a rule), and France, 8 p.m. at Oxford, in Sweden, Norway, and Germany, and 9 p.m. in Belgium. The time at each Station is the Standard Time of its Country.

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

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

„ Weekly „ „ „ £1 10 0 „

DAILY WEATHER REPORT

for 8 a.m. on Sunday 11th Dec^r

1892.

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

| STATIONS. | | YESTERDAY EVENING. (See note at bottom of last page.) | | | | | THIS MORNING. (See note at bottom of last page.) | | | | | | | | | | PAST 24 HOURS. | | | | |
|---------------------|-------------------------------|--|-------|---|--------------|----------|---|---------------------------|---|---|--------------|--------------|--------------------------------------|----------|------------------|----------|----------------|---------------------------|------------------------|------|------|
| | | Barom. | Temp. | Wind. | | Weather. | Barometer. | | Shade Temp. | | | Wind. | | Weather. | Sea (0 to 9). | Weather. | Shade Temp. | | Amount of Rainfall. | | |
| | | | | Reading at 32° F. and Sea Level. | Dry Bulb. | | Dir. | Force (0 to 12). | Reading at 32° F. and Sea Level. | Change since Yester- day Morn. | Dry Bulb. | Wet Bulb. | Change in dry since Yesterday. | | | | Dir. | Force (0 to 12). | | Max. | Min. |
| Ins. | | ° | | | | Ins. | ° | ° | ° | | | | | | | | ° | ins. | | | |
| SCANDINAVIA. | Haparanda ... | 29.54 | 23 | S | 4 | S | 29.55 | - .12 | 21 | 21 | + | 9 | Z | 0 | o | # | S | 27 | 5 | 0.20 | |
| | Hernösand ... | 29.67 | 23 | S | 2 | tr | 29.69 | - .07 | 21 | 20 | + | 6 | S | 2 | c | # | tr | 27 | 15 | — | |
| | Stockholm ... | 29.55 | 28 | Z | 0 | o | 29.86 | + .02 | 21 | 21 | - | 4 | Z | 0 | tr | # | o | 30 | 16 | — | |
| | Wisby ... | 29.92 | 30 | SSW | 4 | bc | 29.86 | - .03 | 27 | 26 | - | 3 | SE | 4 | tr | # | bc | 34 | 23 | — | |
| | Bodö ... | 29.39 | 31 | S | 2 | o | 29.40 | + .12 | 32 | 32 | - | 1 | S | 2 | o | 1 | o | 34 | 27 | — | |
| | Christiansund... | 29.49 | 36 | SSE | 3 | bc | 29.31 | - .34 | 36 | 34 | + | 0 | SSE | 7 | o | 4 | bc | 37 | 34 | 0.16 | |
| | Skudesnaes ... | 29.59 | 36 | SSE | 8 | r | 29.36 | - .46 | 38 | 37 | + | 4 | SSE | 9 | r | 7 | r | ? | 34 | — | |
| | Christiania Fjord (Færder) | 29.78 | 28 | N | 2 | f | 29.66 | - .20 | 33 | 32 | + | 6 | S | 5 | bc | 4 | f | ? | 25 | — | |
| | Skagen (The Seaw) | 29.79 | 32 | SW | 2 | bc | 29.68 | - .13 | 30 | 29 | - | 5 | SW | 3 | o | 1 | bc | 36 | 28 | 0.04 | |
| | Fanö ... | 29.81 | 30 | SE | 2 | tr | 29.64 | - .18 | 25 | 24 | - | 3 | ENE | 5 | c | # | tr | 32 | 25 | — | |
| BRITISH ISLANDS. | Sumburgh Head | 29.18 | 21 | W | 5 | r | 29.00 | - .66 | 40 | 39 | + | 3 | SW | 1 | c | 4 | r | 41 | 34 | 0.63 | |
| | Stornoway ... | 29.17 | 45 | SW | 4 | r | 28.92 | - .68 | 40 | 40 | - | 1 | W | 4 | o | 4 | r | 46 | 35 | 0.20 | |
| | Wick ... | 29.19 | 37 | S | 4 | r | 29.01 | - .62 | 36 | 35 | + | 1 | S | 1 | tr | 1 | r | 41 | 33 | 0.28 | |
| | Nairn ... | 29.30 | 43 | SW | 2 | bc | 29.00 | - .68 | 37 | 37 | + | 0 | W | 0 | bc | 1 | bc | 43 | 34 | 0.03 | |
| | Aberdeen ... | 29.38 | 37 | SSW | 5 | opq | 29.08 | - .73 | 33 | 32 | + | 3 | SW | 1 | bc | 3 | opq | 38 | 30 | 0.25 | |
| | Leith ... | 29.41 | 39 | W | 4 | r | 29.14 | - .74 | 37 | 36 | + | 3 | W | 3 | tr | # | r | 40 | 32 | 0.08 | |
| | Shields ... | 29.60 | 35 | SSW | 3 | opq | 29.22 | - .73 | 39 | 38 | + | 2 | SW | 2 | c | 2 | ro | 41 | 27 | 0.15 | |
| | Spurn Head ... | 29.77 | 35 | S | 4 | cm | 29.33 | - .62 | 37 | 37 | + | 5 | SSW | 3 | o | 3 | cm, s, r | 37 | 31 | 0.10 | |
| | York ... | 29.73 | 34 | SSW | 1 | rs | 29.30 | - .70 | 38 | 37 | + | 11 | WNW | 1 | bc | # | rs | 46 | 27 | 0.05 | |
| | Loughborough | 29.77 | 33 | SSW | 4 | r | 29.40 | - .63 | 41 | 39 | + | 12 | SW | 4 | c | # | r | 41 | 29 | 0.08 | |
| GERMANY & HOLLAND. | Ardrossan ... | 29.41 | 46 | SSW | 5 | r | 29.14 | - .73 | 42 | 42 | + | 3 | SW | 5 | opq | 4 | mr | 46 | 36 | 0.26 | |
| | Malin Head ... | 29.39 | 46 | W | 6 | opq | 29.10 | - .69 | 44 | 44 | + | 1 | WNW | 6 | or | 5 | opq | 47 | 36 | 0.34 | |
| | Mullaghmore ... | 29.54 | 48 | W | 5 | c | 29.29 | - .60 | 45 | 43 | + | 1 | WSW | 7 | rgg | 6 | cpq | 48 | 41 | 0.30 | |
| | Belmullet ... | 29.60 | 48 | WNW | 4 | o | 29.40 | - .48 | 46 | 44 | - | 2 | WNW | 6 | apq | # | op | 49 | 40 | 0.33 | |
| | Donaghadee ... | 29.50 | 44 | SW | 5 | r | 29.26 | - .69 | 38 | 38 | + | 3 | SW | 5 | bc | 3 | r | 44 | 35 | 0.12 | |
| | Liverpool (Bidston) | 29.67 | 36 | SSE | 3 | o | 29.35 | - .68 | 40 | 39 | - | 6 | W | 4 | c | 4 | o | 45 | 34 | 0.21 | |
| | Holyhead ... | 29.65 | 47 | WSW | 4 | o | 29.38 | - .63 | 42 | 41 | - | 4 | W | 5 | cg | 5 | og | 48 | 38 | 0.31 | |
| | Parsonstown ... | 29.64 | 48 | SW | 2 | o | 29.46 | - .52 | 41 | 39 | + | 2 | SW | 2 | o | # | ar | 48 | 38 | 0.18 | |
| | Valencia ... | 29.80 | 51 | W | 6 | o | 29.67 | - .40 | 46 | 43 | - | 2 | WNW | 7 | cm | 6 | opq | 51 | 44 | 0.13 | |
| | Roche's Point | 29.74 | 48 | WSW | 4 | 2 | 29.58 | - .46 | 44 | 42 | + | 1 | WNW | 5 | bc | 4 | rg | 50 | 41 | 0.15 | |
| FRANCE AND BELGIUM. | Pembroke (St. Ann's Hd.) | 29.76 | 47 | WSW | 6 | r | 29.50 | - .58 | 45 | 43 | + | 3 | NNW | 6 | cg | 2 | r | 49 | 40 | 0.22 | |
| | Scilly ... | 29.91 | 50 | WSW | 5 | c | 29.64 | - .48 | 49 | 47 | + | 6 | WNW | 5 | cp | 3 | c | 50 | 39 | 0.09 | |
| | Prawle Point ... | 29.90 | 45 | WSW | 4 | o | 29.58 | - .54 | 43 | 43 | + | 13 | W | 5 | c | 4 | or | 48 | 36 | 0.19 | |
| | Jersey (St. Aubin's) | 30.04 | 41 | WSW | 2 | bc | 29.67 | - .41 | 48 | 46 | + | 7 | W | 3 | cpm | 3 | bigp | 50 | 40 | 0.21 | |
| | Hurst Castle ... | 29.93 | 42 | W | 4 | o | 29.54 | - .52 | 45 | 44 | + | 14 | W | 6 | bc | 3 | ro | 48 | 30 | 0.18 | |
| | Dungeness ... | 29.95 | 33 | NNW | 3 | mv | 29.49 | - .47 | 44 | 44 | + | 10 | W | 4 | c | 3 | m | 46 | 31 | 0.15 | |
| | North Foreland | 29.93 | 33 | WNW | 2 | tr | 29.45 | - .46 | 43 | 42 | + | 7 | W | 1 | o | 2 | tr | 49 | 36 | 0.15 | |
| | London ... | 29.92 | 35 | SW | 1 | o | 29.49 | - .52 | 41 | 40 | + | 9 | WSW | 1 | o | # | og, r, s. | 45 | 32 | 0.14 | |
| | Oxford ... | 29.80 | 35 | WSW | 2 | r | 29.46 | - .59 | 40 | 39 | + | 10 | WSW | 3 | bc | # | rs | 43 | 30 | 0.09 | |
| | Cambridge ... | 29.84 | 34 | W | 1 | o | 29.44 | - .56 | 38 | 37 | + | 9 | SW | 1 | o | # | o, s. | 41 | 28 | 0.18 | |
| PENINSULA. | Yarmouth ... | 29.88 | 32 | W | 3 | bc | 29.42 | - .49 | 39 | 38 | + | 2 | WSW | 2 | cf | 4 | bc | 39 | 30 | 0.10 | |
| | Cuxhaven ... | 29.90 | 24 | S | 1 | o | 29.74 | - .09 | 15 | 13 | - | 12 | SSE | 3 | c | # | o | 27 | 14 | — | |
| | Berlin ... | ? | 26 | Z | 0 | o | 29.88 | + .06 | 26 | 26 | + | 2 | W | 1 | o | # | o | 28 | 19 | — | |
| | Wiesbaden ... | ? | ? | ? | ? | ? | 29.93 | + .26 | 23 | 21 | - | 9 | Z | 0 | o | # | # | 32 | 18 | 0.04 | |
| | Munich ... | 29.87 | 28 | SW | 2 | bc | 29.94 | + .19 | 28 | 28 | + | 2 | WSW | 6 | c | # | bc | 34 | 25 | 0.04 | |
| | The Helder ... | 29.89 | 33 | SW | 2 | tr | 29.53 | - .35 | 32 | 31 | + | 0 | S | 6 | s | 3 | tr | 34 | 23 | 0.12 | |
| | Brussels (9 a.m.) | * | * | * | * | * | 29.65 | - .20 | 32 | 30 | + | 4 | S | 6 | s | # | tr | 32 | 21 | — | |
| | Cape Gris Nez | 29.94 | 39 | NNW | 2 | c | 29.55 | - .30 | 45 | 45 | + | 9 | SSW | 6 | r | 6 | c | ? | 34 | 0.16 | |
| | Paris ... | 30.04 | 35 | NNW | 2 | o | 29.82 | - .06 | 34 | 33 | - | 2 | S | 4 | r | # | o | 37 | 29 | 0.08 | |
| | Brest ... | ? | 45 | W | 3 | c | ? | ? | 52 | 48 | + | 13 | W | 4 | o | 4 | c | 52 | 39 | — | |
| FRANCE AND BELGIUM. | Lorient ... | 30.10 | 43 | W | 3 | c | 29.78 | - .33 | 51 | 48 | + | 11 | WNW | 5 | c | 4 | c | 52 | 32 | 0.12 | |
| | Rochefort ... | 30.12 | 41 | N | 4 | tr | 29.90 | - .17 | 49 | 48 | + | 11 | WSW | 6 | r | # | tr | ? | ? | 0.12 | |
| | Belfort ... | ? | 25 | SW | 3 | S | ? | ? | 21 | 19 | - | 8 | W | 2 | bc | # | S | 32 | 16 | 0.04 | |
| | Lyons ... | 30.08 | 33 | NNW | 1 | o | 30.12 | + .19 | 26 | 25 | - | 7 | SW | 1 | tr | # | o | 36 | 26 | 0.04 | |
| | Nice ... | ? | 34 | E | 1 | c | 29.88 | - .00 | 34 | 27 | - | 2 | NE | 4 | tr | 2 | c | 43 | 28 | 0.16 | |
| PENINSULA. | Perpignan ... | 30.08 | 40 | NNW | 5 | tr | 30.13 | + .18 | 35 | 33 | - | 7 | NNW | 3 | tr | # | tr | 45 | 32 | — | |
| | Biarritz ... | 30.15 | 41 | E | 3 | tr | 30.10 | + .05 | 42 | 36 | - | 1 | SW | 3 | o | 2 | tr | 45 | 34 | — | |
| | Corunna ... | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | |
| PENINSULA. | Lisbon ... | 30.09 | 49 | NNW | 5 | tr | 30.21 | + .12 | 43 | 39 | - | 3 | N | 4 | tr | # | tr | 55 | 39 | — | |

For Explanation of Columns, see bottom of last page.

† Received too late for insertion in Charts on next page.

WEATHER CHARTS

for 8 a.m. on Sunday, 11th Dec. 1892.

BAROMETER, WIND AND SEA.

EXPLANATION OF MAP.

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

Changes since previous morning are stated in words.

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

their barbs and feathers refer to force thus—

— forces above 10; — forces 8 to 10;

— forces 5 to 7; — forces 1 to 4.

☉ = dead calm.

SEA DISTURBANCE—Where considerable, is shown thus:

☼ = Rough. ☼ = High.

MEAN HEIGHT OF THE BAROMETER

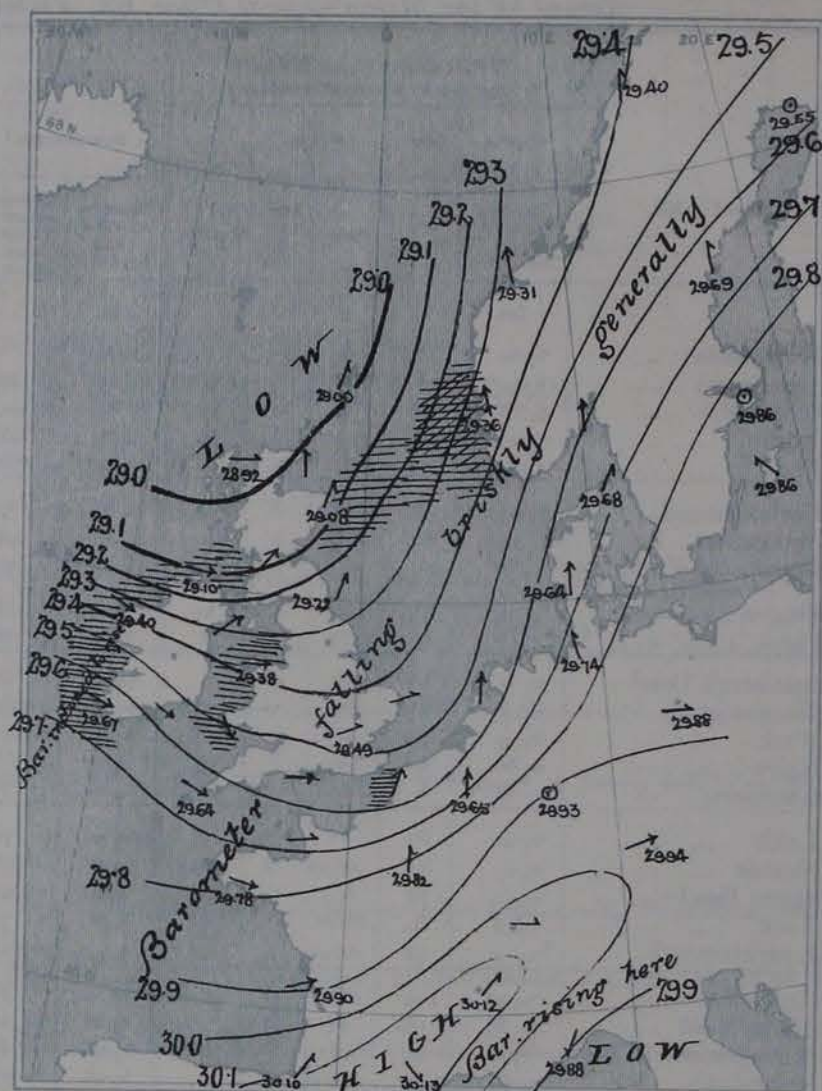
at 8.0 a.m. for the month of December

During the 20 Years: 1871—1890.

STATIONS.

MEAN READINGS.

| STATIONS. | MEAN READINGS. |
|-----------------|----------------|
| Sumburgh Head | 29.673 |
| Stormoway | 29.703 |
| Wick | 29.713 |
| Nairn | 29.743 |
| Aberdeen | 29.767 |
| Leith | 29.807 |
| Shields | 29.813 |
| Spurn Head | 29.873 |
| York | 29.890 |
| Loughborough | 29.924 |
| Ardrossan | 29.920 |
| Mullaghmore | 29.921 |
| Donaghadee | 29.818 |
| Holyhead | 29.879 |
| Liverpool | 29.895 |
| Parsonstown | 29.901 |
| Valencia | 29.905 |
| Rochester Point | 29.912 |
| Pembroke | 29.910 |
| Sally | 29.931 |
| Prawle Point | 29.970 |
| Jersey | 29.953 |
| Hurst Castle | 29.953 |
| Dover | 29.953 |
| LONDON | 29.954 |
| Oxford | 29.965 |
| Cambridge | 29.941 |
| Yarmouth | 29.910 |



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

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

WEATHER is shown by Letters of the Beaufort Scale.

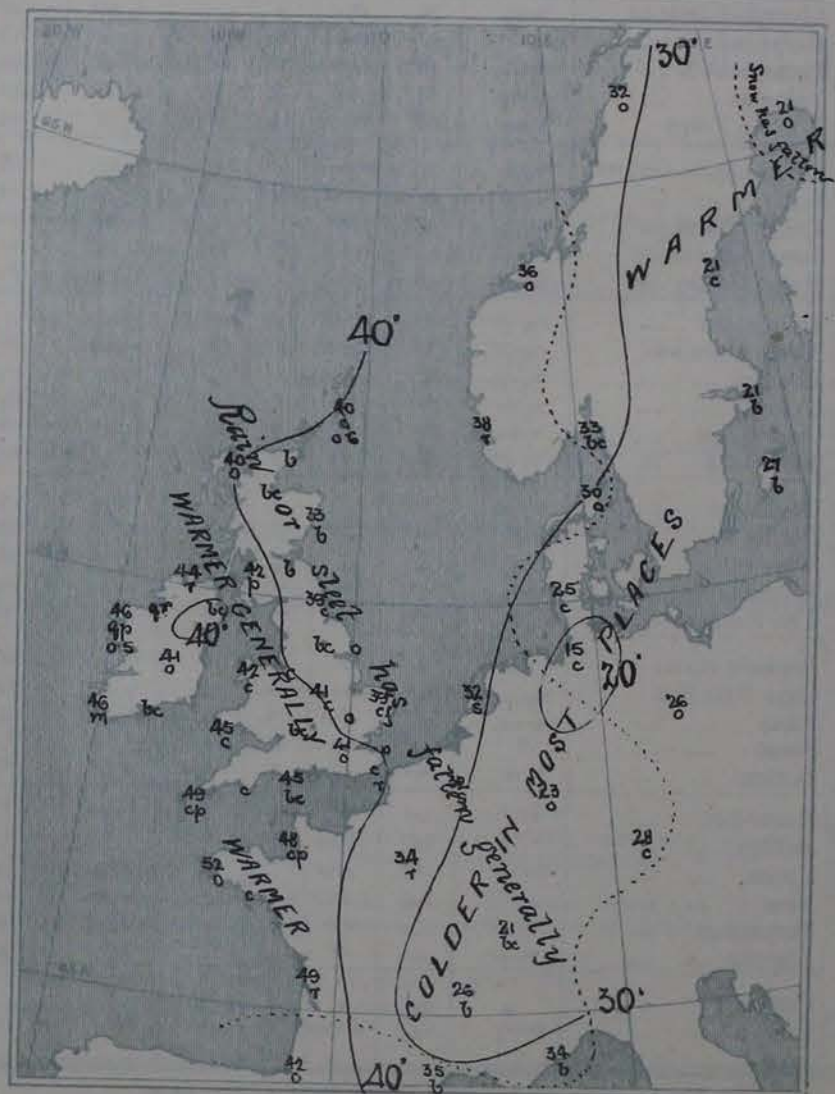
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of December.)

| STATIONS. | TEMPERATURE. | | | | RAINFALL. Inches. |
|----------------------|---------------|---------------|-----------|------|----------------------|
| | Daily Max. | Daily Min. | At 8 a.m. | | |
| | | | Dry. | Wet. | |
| Sumburgh Head..... | 42.6 | 35.2 | 39.6 | 38.1 | 4.25 |
| Stormoway | 43.1 | 34.2 | 39.4 | 38.5 | 0.63 |
| Wick | 42.2 | 32.7 | 38.1 | 36.8 | 3.19 |
| Nairn | 41.9 | 32.8 | 37.1 | 35.6 | 1.95 |
| Aberdeen | 41.9 | 32.6 | 36.9 | 35.2 | 3.24 |
| Leith | 44.0 | 33.7 | 38.5 | 37.0 | 1.86 |
| Shields | 42.9 | 33.0 | 38.3 | 36.9 | 2.67 |
| Spurn Head..... | 42.4 | 35.3 | 38.8 | 37.7 | 2.14 |
| York | 42.3 | 32.3 | 36.4 | 35.4 | 2.28 |
| Loughborough | 42.7 | 32.2 | 36.3 | 35.4 | 2.24 |
| Ardrossan | 41.5 | 35.9 | 40.0 | 38.7 | 3.73 |
| Mullaghmore | 40.5 | 37.8 | 42.2 | 39.8 | 1.51 |
| Donaghadee | 45.8 | 36.2 | 40.2 | 39.3 | 2.84 |
| Holyhead..... | 46.4 | 39.1 | 42.8 | 41.1 | 3.82 |
| Liverpool..... | 43.5 | 35.6 | 38.8 | 37.1 | 2.60 |
| Parsonstown | 41.7 | 33.1 | 37.8 | 36.6 | 3.01 |
| Valencia | 49.7 | 40.0 | 44.6 | 42.4 | 5.99 |
| Rochester Point..... | 47.9 | 38.9 | 42.9 | 41.5 | 1.95 |
| Pembroke | 46.8 | 40.3 | 43.6 | 42.2 | 3.99 |
| Sally | 49.5 | 43.4 | 47.0 | 45.1 | 1.02 |
| Prawle Point | 47.0 | 38.2 | 42.5 | 41.1 | 3.76 |
| Jersey | 47.3 | 39.3 | 43.1 | 41.4 | 3.62 |
| Hurst Castle | 45.5 | 36.3 | 40.6 | 39.8 | 2.78 |
| Dover | 44.3 | 35.9 | 41.8 | 38.6 | 3.00 |
| LONDON | 44.0 | 33.9 | 37.8 | 36.7 | 2.10 |
| Oxford | 42.9 | 33.5 | 37.0 | 35.9 | 2.10 |
| Cambridge | 42.8 | 31.6 | 36.2 | 35.5 | 1.88 |
| Yarmouth | 41.9 | 34.7 | 37.0 | 37.0 | 2.06 |

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



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.2 ins. and upwards, over Spain; 29.8 ins. and upwards in the south of Sweden.
 Lowest, 29.0 ins. and less, in a depression lying off the north of Scotland.
 Gradients moderate generally, but rather steep in places.
 Barometer falling at all but the Swedish and German stations, but inclined to rise again at Valencia Island.

TEMPERATURE

Highest, 54° at Brest, 51° at Lorient, ~~and~~ 49° at Bally and Rochefort, and 48° at Jersey.
 Lowest, (1) 15° at Boshaven, 21° at Belfast, 23° at Wiesbaden, and 26° at Berlin; (2) 21° at Haparanda, Helsingfors, and Stockholm.
 A considerable rise has taken place over England, but a decided fall in Denmark and North Germany.

WIND

Strong from the West in the west and south of our Islands and the west of France.
 Light from the SW. in the north and east of Britain.
 S. over Scandinavia, Denmark, and the Netherlands, with a gale at Skudenes.

WEATHER

Cloudy or overcast in most parts of Western Europe, with rain in the north of Ireland and the central parts of France, as well as at Skudenes, and with snow at Bernau and the Hilder.
 Fine and bright at some of our own northern stations, and also in the southern part of Sweden and France.
 Since yesterday morning rain or sleet has fallen in many places, the largest amount being 1.0 in. at Edinburgh 11th and 0.5 in. at Bilmullet.

SEA

High at Skudenes and rough or rather so on the more exposed parts of our western and northern coasts, as well as at Cape Fin Ky.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

For the 24 hours ending at NOON on 12th DEC: 1892.

DISTRICTS.

FORECASTS.

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

None issued

DISTRICTS.

FORECASTS.

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

WARNINGS

None issued

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

At 0.30 pm yesterday to districts 0.1.6.7.*9, and at 7.15 pm to the remainder of our coasts. Hoist North Cone

YESTERDAY'S 2 P.M. REPORTS.

| | BAR. | THER. | | WIND Dirac. | F. | WEA. | SEA. | | BAR. | THER. | | WIND Dirac. | F. | WEA. | SEA. |
|-------------------|-------|-------|------|----------------|----|--------|------|--------------------|-------|-------|------|----------------|----|------|------|
| | | Dry. | Wet. | | | | | | | Dry. | Wet. | | | | |
| Skudesnaes ... | 29.75 | 35 | 33 | SSW | 6 | o | 3 | Valencia ... | 29.89 | 51 | 50 | SW | 4 | omp | 4 |
| Sumburgh Head ... | 29.39 | 38 | 38 | S | 4 | r | 4 | Scilly ... | 30.04 | 48 | 47 | SW | 4 | c | 3 |
| Stornoway ... | 29.31 | 46 | 46 | SW | 4 | o | 4 | Jersey ... | 30.09 | 45 | 44 | WNW | 3 | c | 3 |
| Aberdeen ... | 29.56 | 34 | 33 | SSW | 4 | oggrsh | 4 | Hurst Castle ... | 30.04 | 39 | 35 | WNW | 3 | m | 1 |
| Shields ... | 29.79 | 35 | 33 | SSW | 3 | c | 2 | Dungeness ... | 29.97 | 39 | 36 | N | 3 | b | 2 |
| Ardrossan ... | 29.64 | 45 | 44 | SSW | 4 | r | 4 | North Foreland ... | 29.95 | 38 | 37 | WNW | 2 | b | 4 |
| Malin Head ... | 29.53 | 46 | 45 | SSW | 4 | o | 3 | London ... | 30.00 | 38 | 35 | WNW | 1 | gm | * |
| Mullaghmore ... | 29.63 | 47 | 47 | SSW | 5 | od | 3 | Yarmouth ... | 29.93 | 37 | 36 | WNW | 3 | bm | 4 |
| Belmullet ... | 29.63 | 48 | 47 | WSW | 4 | r | * | Rochefort ... | 30.11 | 43 | 39 | N | 4 | b | * |
| Holyhead ... | 29.83 | 44 | 44 | SW | 4 | og | 2 | | | | | | | | |

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

Weather in morning fine and bright over the greater part of Spain, France, and England, as well as in some parts of Poland and Hungary; dull elsewhere, and unsettled over Western Germany, as well as over Ireland, Scotland, and Northern Europe. Cold rain or snow later all over the United Kingdom and a great deal of western and central Europe; considerable rain at several of the Mediterranean and Adriatic stations.

Temperature still changing fitfully—very low over Central Europe. Morning readings 62° at Malta, 56° at Nemours, 54° at Algiers and Brindisi; 52° at Messina, 50° at Lorient, 48° at Valencia and Belmullet. Lowest (1) 2° F. at Casow, 8° at Buda Pesth, 10° at Warsaw, 19° at Odessa; (2) 12° at Haparanda, 15° at Helsingfors, 16° at Kuopio; (3) 24° to 32° over the midland and northwestern counties of England. Rising later to 40° and more over Gt. Britain, to 50° and more on our southwestern coasts and in the west of France and north of Italy, to 60° and more at several other southern stations and to 72° at Palermo.

Wind variable. SW² moderate over Ireland, Scotland, and the northern half of Norway, W¹ to N² over England, N² over the north of France and in Spain, NE² over the Bay of Biscay; mainly S¹ over the eastern half of Europe and the Baltic, but N² over southern Russia. Backing to between W. and S. over our Islands and the Channel later and to S. over Scandinavia, and becoming strong on our western coasts.

Barometer highest 30.1 ins. to 30.0 ins. in two anticyclones—one over southern Russia, Poland and Hungary, the other over the Bay of Biscay and western Europe. Lowest 29.3 ins. and less, over Finmark, 29.6 ins. and less off our extreme northwestern coasts, and 29.7 ins. and less, in a depression over Western Germany. Latter system filling up later, but new large disturbance (but not deep) approaching Scotland from the westward and spreading out in a southerly direction across the British Islands.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

* AN ASTERISK is inserted in all places for which information is not usually received.
N.B.—The morning observations are made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, 7 a.m. in France, Spain and Portugal, and 9 a.m. in Belgium. The evening observations are made at 6 p.m. in the British Islands (as a rule), and France, 8 p.m. at Oxford, in Sweden, Norway, and Germany, and 9 p.m. in Belgium. The time at each Station is the Standard Time of its Country.

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

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

„ Weekly „ „ „ £1 10 0 „

DAILY WEATHER REPORT

for 8 a.m. on *Monday, 12th December, 1892.*

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

| STATIONS. | | YESTERDAY EVENING. (See note at bottom of last page.) | | | | | THIS MORNING. (See note at bottom of last page.) | | | | | | | | | | PAST 24 HOURS. | | | |
|---------------------|-------------------------------|--|-------|---|--------------|----------|---|---------------------|---|--|--------------|--------------|--------------------------------------|------------------|----------|-------------|---------------------|------------------------|------|------|
| | | BAROM. | TEMP. | WIND. | | Weather. | BAROMETER. | | SHADE TEMP. | | | WIND. | | Sea (0 to 9). | Weather. | SHADE TEMP. | | Amount of Rainfall. | | |
| | | | | Reading at 32° F. and Sea Level. | Dry Bulb. | | Dir. | Force (0 to 12). | Reading at 32° F. and Sea Level. | Change since Yester- day Morn. | Dry Bulb. | Wet Bulb. | Change in dry since Yesterday. | | | Dir. | Force (0 to 12). | | Max. | Min. |
| | | Ins. | ° | | | | Ins. | ° | ° | ° | | | | | | ° | ins. | | | |
| SCANDINAVIA. | Haparanda ... | 29.61 | 22 | ESE | 2 | 0 | 29.67 | +12 | 29 | 29 | +8 | SW | 6 | 0 | # | ? | 19 | - | | |
| | Hernösand ... | 29.71 | 26 | S | 4 | bc | 29.69 | 00 | 28 | 27 | +7 | S | 2 | 0 | # | bc | 28 | 7 | | |
| | Stockholm ... | 29.74 | 28 | E | 2 | S | 29.64 | -22 | 31 | 30 | +10 | SE | 2 | S | # | S | 32 | 19 | | |
| | Wisby ... | 29.74 | 28 | SE | 4 | S | 29.63 | -23 | 29 | 28 | +3 | SSE | 4 | 0 | # | S | 30 | 19 | | |
| | Bodö ... | 29.36 | 30 | E | 2 | 0 | 29.27 | -13 | 32 | 30 | 0 | ESE | 4 | 0 | 2 | 0 | 32 | 28 | | |
| | Christiansund... | 29.28 | 40 | SSW | 6 | 0 | 29.28 | -03 | 35 | 35 | -1 | SE | 5 | bc | 4 | 0 | 41 | ? | | |
| | Skudesnaes ... | 29.31 | 37 | SE | 8 | c | 29.28 | -08 | 37 | 33 | -1 | SE | 7 | 0 | 5 | 0 | 39 | 36 | | |
| | Christiania Fjord (Færder) | 29.60 | 32 | ESE | 5 | 0 | 29.51 | -15 | 31 | 28 | -2 | ESE | 4 | 0 | 2 | 0 | 34 | 30 | | |
| | Skagen (The Scaw) | 29.55 | 33 | SSE | 4 | 0 | 29.46 | -22 | 31 | 30 | +1 | SE | 4 | 0 | 2 | 0 | 34 | 30 | | |
| | Fanö ... | 29.42 | 25 | SE | 6 | S | 29.29 | -35 | 30 | 30 | +5 | SE | 4 | 0 | # | S | 30 | 21 | | |
| ISLANDS. | Sumburgh Head | 29.05 | 40 | SSE | 1 | c | 29.08 | +08 | 36 | 35 | -4 | Z | 0 | bc | 3 | c | 43 | 34 | | |
| | Stornoway ... | 29.10 | 42 | NW | 5 | 0 | 29.32 | +40 | 37 | 35 | -3 | NW | 6 | c | 6 | 0 | 43 | 35 | | |
| | Wick ... | 28.99 | 36 | S | 2 | c | 29.11 | +10 | 38 | 38 | +2 | N | 3 | r | 2 | c | 39 | 33 | | |
| | Nairn ... | 29.07 | 30 | SW | 1 | bc | 29.25 | +25 | 37 | 35 | 0 | NW | 3 | 0 | 2 | bc | 40 | 34 | | |
| | Aberdeen ... | 29.09 | 39 | SW | 1 | bc | 29.22 | +14 | 37 | 35 | +4 | NW | 5 | cyp | 3 | bc, qyp | 39 | 32 | | |
| | Leith ... | 29.11 | 40 | SW | 3 | 0 | 29.30 | +16 | 38 | 36 | +1 | WSW | 3 | b | # | 0 | 42 | 35 | | |
| | Shields ... | 29.17 | 39 | SW | 2 | 0 | 29.31 | +09 | 37 | 36 | -2 | WSW | 3 | b | 2 | 0 | 42 | 36 | | |
| | Spurn Head ... | 29.26 | 39 | SSW | 4 | 0 | 29.39 | +06 | 38 | 38 | +1 | WSW | 2 | bc | 2 | p. o. g | 40 | 36 | | |
| | York ... | 29.24 | 39 | S | 2 | 0 | 29.39 | +09 | 40 | 38 | +2 | W | 3 | b | # | 0 | 42 | 37 | | |
| | Loughborough | 29.34 | 41 | SSW | 4 | 0 | 29.47 | +07 | 41 | 39 | 0 | WSW | 2 | c | # | q. v | 44 | 38 | | |
| BRITISH. | Ardrossan ... | 29.20 | 43 | W | 7 | byp | 29.37 | +23 | 40 | 38 | -2 | NW | 3 | b | 1 | qyp. b | 47 | 36 | | |
| | Malin Head ... | 29.33 | 43 | NW | 7 | bcyp | 29.44 | +34 | 42 | 39 | -2 | NW | 4 | c | 3 | bcp | 45 | 40 | | |
| | Mullaghmore ... | 29.49 | 45 | NW | 6 | cyp | 29.50 | +21 | 42 | 40 | -3 | NW | 4 | byp | 4 | cyp | 47 | 41 | | |
| | Belmullet ... | 29.55 | 45 | NW | 4 | 0 | 29.56 | +16 | 41 | 39 | -5 | NW | 2 | b | # | 0 | 47 | 39 | | |
| | Donaghadee ... | 29.36 | 43 | NNE | 6 | c | 29.46 | +20 | 38 | 38 | 0 | NW | 4 | c | 3 | c | 46 | 37 | | |
| | Liverpool (Bidston) | 29.35 | 44 | W | 5 | 0 | 29.45 | +10 | 41 | 40 | +1 | W | 4 | c | 4 | 0 | 45 | 39 | | |
| | Holyhead ... | 29.36 | 46 | NW | 6 | 0 | 29.47 | +09 | 43 | 42 | +1 | NW | 3 | cyp | 3 | 0 | 47 | 42 | | |
| | Parsonstown ... | 29.57 | 43 | SW | 1 | b | 29.55 | +09 | 36 | 35 | -5 | Z | 0 | f | # | 0. b. o | 46 | 35 | | |
| | Valencia ... | 29.74 | 48 | NW | 6 | cyp | 29.56 | -11 | 44 | 43 | -2 | NNE | 4 | bc | 4 | cyp, r | 51 | 43 | | |
| | Roche's Point | 29.64 | 46 | NW | 4 | c | 29.53 | -05 | 43 | 42 | -1 | N | 1 | bc | 3 | c, qyp | 48 | 42 | | |
| GERMANY & HOLLAND. | Pembroke (St. Ann's Hd.) | 29.54 | 47 | NW | 5 | c | 29.49 | -01 | 43 | 43 | -2 | NNE | 3 | tm | 4 | c | 48 | 43 | | |
| | Scilly ... | 29.66 | 49 | NW | 6 | c | 29.56 | -08 | 51 | 51 | +2 | WSW | 6 | x | 5 | cp | 51 | 45 | | |
| | Prawle Point ... | 29.59 | 45 | W | 6 | bc | 29.54 | -04 | 49 | 49 | +6 | WSW | 5 | pu | 4 | bcp | 49 | 43 | | |
| | Jersey (St. Aubin's) | 29.64 | 47 | NW | 5 | bc | 29.69 | +02 | 49 | 48 | +1 | WSW | 3 | tm | 3 | q. t. p | 52 | 46 | | |
| | Hurst Castle ... | 29.52 | 45 | W | 6 | cyp | 29.59 | +05 | 45 | 44 | 0 | W | 4 | tm | 3 | p. q. c | 47 | 44 | | |
| | Dungeness ... | 29.45 | 42 | NW | 4 | c | 29.55 | +06 | 45 | 43 | +1 | W | 6 | 0 | 5 | c | 49 | 40 | | |
| | North Foreland | 29.40 | 38 | W | 1 | b | 29.50 | +05 | 42 | 40 | -1 | W | 2 | 0 | 3 | 0. b | 46 | 38 | | |
| | London ... | 29.44 | 39 | NW | 1 | bc | 29.54 | +05 | 42 | 40 | +1 | WSW | 2 | 0d | # | bc, sr. o | 45 | 39 | | |
| | Oxford ... | 29.45 | 43 | WSW | 3 | 0 | 29.54 | +08 | 42 | 40 | +2 | SW | 2 | 0t | # | 0 | 45 | 40 | | |
| | Cambridge ... | 29.41 | 38 | SW | 1 | 0 | 29.50 | +06 | 42 | 40 | +4 | SW | 1 | 0 | # | 0 | 44 | 36 | | |
| FRANCE AND BELGIUM. | Yarmouth ... | 29.36 | 38 | W | 3 | b | 29.45 | +03 | 38 | 37 | -1 | W | 3 | bc | 3 | b | 41 | 35 | | |
| | Cuxhaven ... | 29.54 | 27 | SSE | 4 | 0 | 29.35 | -39 | 33 | 33 | +18 | S | 3 | S | # | 0 | 33 | 15 | | |
| | Berlin ... | 29.72 | 21 | S | 3 | b | 29.54 | -34 | 28 | 27 | +2 | S | 2 | S | # | b | 28 | 19 | | |
| | Wiesbaden ... | # | # | # | # | # | 29.75 | -18 | 36 | 36 | +13 | SW | 2 | 0 | # | # | 36 | 23 | | |
| | Munich ... | 29.76 | 22 | NE | 2 | b | 29.77 | -17 | 35 | 35 | +7 | SW | 6 | 0 | # | b | 36 | 23 | | |
| | The Helder ... | 29.38 | 37 | WSW | 1 | bc | 29.36 | -17 | 42 | 41 | +10 | W | 6 | 0 | 3 | bc | 43 | 32 | | |
| | Brussels (9 a.m.) | # | # | # | # | # | 29.58 | -07 | 38 | 38 | +6 | WSW | 4 | 0 | # | c | 38 | 31 | | |
| | Cape Gris Nez | 29.50 | 45 | W | 5 | c | 29.55 | 00 | 45 | 42 | 0 | W | 5 | 0 | 5 | c | 48 | 41 | | |
| | Paris ... | 29.63 | 39 | S | 3 | c | 29.75 | -07 | 41 | 38 | +7 | SW | 3 | 0 | # | 0 | 41 | 34 | | |
| | Brest ... | ? | 49 | NW | 4 | 0 | ? | ? | 51 | 50 | -1 | W | 5 | 0 | 4 | 0 | 52 | 45 | | |
| PENIN- SULA. | Lorient ... | 29.74 | 50 | NW | 6 | b | 29.82 | +04 | 52 | 48 | +1 | W | 6 | 0 | ? | b | 54 | 48 | | |
| | Rochefort ... | 29.81 | 51 | NW | 5 | c | 29.93 | +03 | 50 | ? | +1 | NW | 4 | 0 | # | c | 54 | 43 | | |
| | Belfort ... | # | # | # | # | # | # | # | # | # | # | # | # | # | # | # | # | # | | |
| | Lyons ... | 29.93 | 32 | SSW | 1 | S | 30.01 | -11 | 36 | 36 | +10 | SSW | 1 | c | # | S | 38 | 26 | | |
| | Nice ... | 29.95 | 37 | NE | 1 | b | 29.92 | +04 | 42 | 37 | +8 | W | 1 | bc | 2 | b | 48 | 34 | | |
| | Perpignan ... | 30.07 | 38 | NW | 3 | b | 30.07 | -06 | 50 | 45 | +15 | NW | 3 | c | # | b | 51 | 35 | | |
| | Biarritz ... | 29.97 | 53 | W | 6 | 0 | 30.06 | -04 | 52 | 51 | +10 | WSW | 5 | r | 5 | 0 | 54 | 42 | | |
| | Corunna ... | # | # | # | # | # | # | # | # | # | # | # | # | # | # | # | # | # | | |
| | Lisbon ... | 30.23 | 50 | NNE | 4 | b | 30.23 | +02 | 50 | 48 | +7 | N | 1 | c | # | b | 55 | 43 | | |



For Explanation of Columns, see bottom of last page.

† Received too late for insertion in Charts on next page.

for 8 a.m. on Monday, 12th Dec^r 1892.

EXPLANATION OF MAP

Changes since previous morning are stated in words.

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

A hand-drawn weather map on a map of the United States, showing isobars and handwritten annotations. The map includes labels for "Barometer", "rising", "falling", "slowly", and "again LOW". Numerical values for pressure (e.g., 29.2, 29.3, 29.4, 29.5, 29.6, 29.7, 29.8, 29.9, 30.0) are written along the isobars. Arrows indicate the direction of pressure changes. A shaded area in the lower left is labeled "H I G H".

[illegible]

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.2 in. and upwards, in the south of Portugal; 29.6 in. and upwards in Sweden.
 Lowest, 29.1 in. and less, in a depression lying near the Shetlands.
 Gradients slight and irregular over our Islands and the North Sea; moderate over France and also over Scandinavia.
 Barometer rising in all the more northern parts of the United Kingdom and also in France, but falling elsewhere.

TEMPERATURE

Highest, 52° at Lorient and Biarritz, 51° at Bally and Brest, and 50° at Rochefort, Perpignan, and Lisbon.
 Lowest, 28° at Helsingfors and Berlin, 29° at Wirtz, 30° at Faoi, and 31° at Stockholm, Faerder, and Ragen.
 The maxima registered yesterday were above 45° on many parts of our western and southern coasts, and above 50° at some of our southwestern stations.

WIND

NW^{1/2} or N^{1/2} in Ireland and Scotland, and strong in force in the Firths.
 W^{1/2} over England, France and the Netherlands; strong at some of the Channel stations.
 SW^{1/2} or S^{1/2} in Germany; SE^{1/2} in Denmark and Scandinavia.

WEATHER

Cloudy or overcast in most parts of Western Europe, with passing showers on our extreme north and northwest coasts, steady rain in the south of England, and snow at Cuxhaven and Berlin.
 Fine and bright in the north of England and the greater part of Ireland.
 Since yesterday morning rain has fallen at all but a few of our southern stations, the largest amounts being 0.6 in. at Valencia Island and 0.5 in. at Corkinbint. A faint solar halo was seen yesterday at Oxford.

SEA

Rough at Stromsund, and rather rough at some of the Channel stations, as well as at Skudermose and Biarritz, moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

A small secondary depression which lies over the British Channel is likely to advance eastwards and to occasion very strong winds on our southern coasts. In the rear of the disturbance a temporary improvement in the weather will probably take place over the south of England.

FORECASTS

For the 24 hours ending at NOON on 13th DECEMBER 1892.

DISTRICTS.

FORECASTS.

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

NW^{1/2} winds, fresh or strong; changeable, some cold showers.
 W^{1/2} winds, light or moderate, fine to showery.
 SW^{1/2} winds, strong on coast; dull and rainy to fair.

DISTRICTS.

FORECASTS.

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

NW^{1/2} winds, moderate or fresh; changeable, some showers.
 W^{1/2} winds, strong, to NW^{1/2}, moderate; dull and rainy to fair.
 Same as N^{1/2} 6 and 7.
 N^{1/2} and NW^{1/2} winds, moderate; fine to showery.

WARNINGS

At 10.20 am to districts 2, 3 and 10. "Lower Cone". The signals are still flying on our other coasts.

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

YESTERDAY'S 2 P.M. REPORTS.

| | BAR. | THER. | | WIND. Direc. | F. | WEA. | SEA. | | BAR. | THER. Dry. | Wet. | WIND. Direc. | F. | WEA. | SEA. |
|-----------------|-------|-------|------|-----------------|----|------|------|--------------------|-------|---------------|------|-----------------|----|------|------|
| | | Dry. | Wet. | | | | | | | | | | | | |
| Skudesnaes ... | | | | | | | | Valencia ... | | | | | | | |
| Stumburgh Head | | | | | | | | Scilly ... | | | | | | | |
| Stornoway ... | 29.00 | 40 | 40 | W | 4 | 0 | | Jersey ... | 29.61 | 47 | 44 | WNW | 5 | bc | 2 |
| Aberdeen ... | | | | | | | | Hurst Castle ... | | | | | | | |
| Shields ... | | | | | | | | Dungeness ... | 29.42 | 46 | 43 | WNW | 4 | c | 3 |
| Ardrossan ... | | | | | | | | North Foreland ... | 29.38 | 45 | 43 | W | 2 | 0 | 3 |
| Malin Head ... | 29.24 | 44 | 42 | WNW | 6 | 0 | 5 | London ... | | | | | | | |
| Mullaghmore ... | | | | | | | | Yarmouth ... | | | | | | | |
| Behnullet ... | 29.52 | 45 | 43 | WNW | 4 | 0 | * | Rochefort ... | 29.89 | 52 | 50 | WNW | 5 | * | * |
| Holyhead ... | 29.34 | 46 | 45 | W | 6 | 0 | 5 | | | | | | | | |

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

Weather in morning fine and bright over Spain and the south of France and fairer than of late over central and eastern Europe; changeable and unsettled over the United Kingdom, as well as over the Adriatic, Italy and adjacent parts of the Mediterranean - rainy in several places. Some rain or snow later over the greater part of our Islands, France and Germany, but amounts small except on our southwestern coasts and at the Helles.

Temperature rising decidedly over northern Europe, changing fitfully elsewhere. Morning readings highest, 64° at Malta, 50° and more on Algerian coasts and in Brittany, 45° to 49° on our southwestern coasts. Lowest (1) 1° at Archangel, 21° at Haparanda, Hernösand and Kuopio; (2) 7° at Warsaw, 15° at Kioo and Breslau, 23° at Wiesbaden; (3) 33° to 37° in the east of Scotland. Exceeding 40° at all our stations later, 50° and more at Valencia, Scilly, Jersey and in the southwest of France.

Wind mainly W. over the United Kingdom and blowing freshly in the west, S. light in the east of Scotland as well as over the North Sea, north Germany, Scandinavia and Finland; very variable over central Europe, E. over northern Italy and the south of France, W. in Tunis and Malta, NW. over the south of Italy. Rising NW. on our northwestern coasts later, and blowing strongly but backing to SE. (a gale) at Skudesnaes.

Barometer Highest (1) 30.3 ins. and more to 30.0 ins. in a large anticyclone over central Russia; (2) 30.2 ins. and more to 30.0 ins. over the Spanish Peninsula and southwest of France. Lowest 29.0 ins. and less over the north of Scotland the Helles and Shetlands, and 29.8 ins. and less in a complex depression over Italy, the Adriatic, Bosnia and Montenegro. Rising over Scotland and Ireland later, falling over the North Sea and England.

SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD FROM THE 4TH TO 10TH DEC. 1892.

The weather of last week was cold, changeable and unsettled, with showers of snow or sleet in nearly all parts of the Kingdom.

During the early part of the period a depression which had skirted our extreme northern coasts moved south-eastward across the North Sea to Denmark and north Germany, where it gradually dispersed. The progress of the disturbance was attended by strong W. to NW. winds in our Islands, with severe gales in the north of Scotland and by snow or sleet showers in all districts, the fall of snow being heavy in the extreme north.

Between the 6th and 8th an anticyclone spread over the United Kingdom from the W. and the weather therefore improved somewhat, sharp frost being experienced in many districts. On the night of the 8th, however, a well marked depression moved rapidly across our Islands from the north-westward, so that rain, followed by sleet or snow, occurred very generally. Strong W. to N. winds prevailed in the west and south generally, while a strong gale from the SW. and W. was experienced in the Straits of Dover. On the 9th the depression moved away to Germany, and gradually filled up, but on the following day a new disturbance of considerable size and intensity appeared off our northern coasts and occasioned increasing winds in all the more northern parts of the Kingdom, with rain in many places. At the close of the period the depression was spreading quickly southward and rough unsettled weather was becoming general.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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

" Weekly " " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on Tuesday 13th December. 1892.

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

| STATIONS. | | YESTERDAY EVENING. (See note at bottom of last page.) | | | | | THIS MORNING. (See note at bottom of last page.) | | | | | | | | | | PAST 24 HOURS. | | | | |
|---------------------|------------------------------|--|-------|---|--------------|----------|---|---------------------------|---|--|--------------|--------------|--------------------------------------|------------------|----------|-------------|---------------------------|------------------------|------|------|--|
| | | BAROM. | TEMP. | WIND. | | Weather. | BAROMETER. | | SHADE TEMP. | | | WIND. | | Sea (0 to 9). | Weather. | SHADE TEMP. | | Amount of Rainfall. | | | |
| | | | | Reading at 32° F. and Sea Level. | Dry Bulb. | | Dir. | Force (0 to 12). | Reading at 32° F. and Sea Level. | Change since Yester- day Morn. | Dry Bulb. | Wet Bulb. | Change in dry since Yesterday. | | | Dir. | Force (0 to 12). | | Max. | Min. | |
| | | Ins. | ° | | | | Ins. | ° | ° | ° | | | | | | ° | Ins. | | | | |
| SCANDINAVIA. | Haparanda ... | 29.11 | 27 | SW | 4 | 0 | 29.76 | +0.9 | 20 | 19 | -3 | SW | 4 | 0 | * | 0 | 32 | 19 | — | | |
| | Hernösand ... | 29.67 | 27 | 2 | 0 | 0 | 29.69 | 0.0 | 28 | 28 | 0 | 2 | 0 | 0 | * | 0 | 30 | 19 | 0.20 | | |
| | Stockholm ... | 29.524 | 29 | 2 | 0 | bc | 29.53 | -0.9 | 30 | 29 | -1 | 2 | 0 | 0 | * | bc | 324 | 27 | 0.12 | | |
| | Wisby ... | 29.53 | 31 | ENE | 4 | 0 | 29.48 | -1.8 | 32 | 31 | +3 | SE | 4 | 0 | * | 0 | 32 | 25 | 0.08 | | |
| | Bodö ... | 29.37 | 31 | E | 4 | 0 | 29.49 | +2.2 | 32 | 25 | -4 | E | 4 | 0 | 2 | 0 | 32 | 21 | — | | |
| | Christiansund... | 29.35 | 35 | SE | 4 | 0 | 29.57 | +2.1 | 324 | 33 | -1 | 2 | 0 | 0 | 3 | 0 | 36 | 24 | 0.04 | | |
| | Skudesnaes ... | 29.34 | 36 | SE | 4 | 0 | 29.54 | +2.6 | 35 | 31 | -2 | E | 2 | 0 | 4 | 0 | 37 | 32 | — | | |
| | Christiania Fjord (Færdø) | 29.48 | 31 | NNE | 4 | 0 | 29.56 | +0.8 | 29 | 28 | -2 | N | 4 | 0 | 1 | 0 | 32 | 28 | — | | |
| | Skagen (The Scaw) | 29.89 | 31 | E | 0 | 0 | 29.48 | +0.3 | 32 | 31 | +1 | ENE | 0 | 0 | 1 | 0 | 32 | 30 | 0.04 | | |
| | Fanö ... | 29.32 | 32 | ESE | 1 | 0 | 29.40 | +1.1 | 32 | 32 | +2 | E | 2 | 0 | * | 0 | 32 | 30 | — | | |
| BRITISH ISLANDS. | Sumburgh Head | 29.15 | 33 | WNW | 3 | bc | 29.55 | +4.0 | 30 | 28 | +3 | N | 4 | 7 | 4 | bc | 41 | 33 | 0.12 | | |
| | Stornoway ... | 29.42 | 37 | NW | 6 | 0 | 29.58 | +5.3 | 36 | 35 | -1 | NE | 4 | 0 | 4 | bc | 40 | 33 | 0.02 | | |
| | Wick ... | 29.36 | 36 | N | 0 | 0 | 29.50 | +5.3 | 38 | 37 | 0 | N | 5 | 0 | 3 | bc | 38 | 34 | 0.20 | | |
| | Nairn ... | 29.40 | 38 | SW | 0 | 0 | 29.50 | +5.5 | 37 | 36 | 0 | WNW | 2 | 0 | 2 | bc | 37 | 34 | 0.01 | | |
| | Aberdeen ... | 29.37 | 36 | WNW | 7 | bc | 29.71 | +4.9 | 36 | 33 | -1 | WNW | 7 | 0 | 4 | bc | 38 | 34 | 0.03 | | |
| | Leith ... | 29.48 | 34 | WNW | 1 | bc | 29.82 | +3.2 | 36 | 32 | -2 | N | 2 | 0 | * | bc | 42 | 31 | — | | |
| | Shields ... | 29.46 | 36 | N | 2 | bc | 29.80 | +4.3 | 33 | 32 | -4 | NW | 3 | 0 | 2 | bc | 40 | 31 | 0.01 | | |
| | Spurn Head ... | 29.46 | 38 | WNW | 3 | bc | 29.78 | +3.3 | 35 | 34 | -3 | NW | 4 | 0 | 4 | bc | 41 | 34 | — | | |
| | York ... | 29.50 | 36 | WNW | 1 | bc | 29.85 | +4.6 | 33 | 32 | -7 | WNW | 1 | 0 | * | bc | 42 | 31 | — | | |
| | Loughborough | 29.53 | 38 | WNW | 4 | bc | 29.88 | +4.1 | 34 | 33 | -7 | WNW | 1 | 0 | * | bc | 45 | 32 | 0.01 | | |
| GERMANY & HOLLAND. | Ardrossan ... | 29.35 | 41 | WNW | 3 | bc | 29.88 | +5.1 | 40 | 36 | 0 | WNW | 3 | 0 | 2 | bc | 43 | 36 | — | | |
| | Malin Head ... | 29.53 | 41 | NW | 4 | bc | 29.93 | +4.9 | 37 | 38 | -3 | N | 3 | 0 | 2 | bc | 43 | 38 | 0.04 | | |
| | Mullaghmore ... | 29.68 | 42 | NW | 4 | bc | 29.98 | +4.8 | 36 | 35 | -6 | SE | 1 | 0 | 1 | bc | 44 | 34 | 0.04 | | |
| | Belmullet ... | 29.74 | 44 | NW | 4 | 0 | 30.00 | -4.4 | 38 | 36 | -3 | SE | 2 | 0 | * | bc | 45 | 33 | 0.05 | | |
| | Donaghadee ... | 29.63 | 37 | SW | 2 | bc | 29.94 | +4.8 | 36 | 36 | -2 | WNW | 4 | 0 | 3 | bc | 43 | 35 | 0.01 | | |
| | Liverpool (Bldston) | 29.53 | 40 | WNW | 4 | bc | 29.92 | +4.7 | 38 | 36 | -3 | NW | 3 | 0 | 4 | bc | 43 | 37 | 0.06 | | |
| | Holyhead ... | 29.62 | 44 | WNW | 4 | bc | 29.94 | +4.7 | 43 | 40 | 0 | WNW | 4 | 0 | 4 | bc | 46 | 41 | — | | |
| | Parsonstown ... | 29.73 | 37 | 2 | 0 | bc | 30.03 | +4.8 | 30 | 29 | -6 | 2 | 0 | 0 | * | bc | 43 | 35 | — | | |
| | Valencia ... | 29.84 | 45 | NW | 4 | bc | 30.08 | +5.2 | 39 | 38 | -5 | ENE | 1 | 0 | 2 | bc | 47 | 38 | 0.01 | | |
| | Roche's Point | 29.77 | 43 | WNW | 3 | bc | 30.05 | +5.2 | 37 | 38 | -4 | WNW | 1 | 0 | 3 | bc | 47 | 38 | — | | |
| FRANCE AND BELGIUM. | Pembroke (St. Ann's Hd.) | 29.68 | 44 | NW | 3 | bc | 29.97 | +5.0 | 42 | 40 | -1 | WNW | 3 | 0 | 3 | bc | 46 | 41 | 0.01 | | |
| | Scilly ... | 29.70 | 48 | WNW | 5 | c | 30.03 | +4.7 | 47 | 44 | -4 | WNW | 5 | 0 | 3 | c | 51 | 43 | 0.02 | | |
| | Prawle Point ... | 29.67 | 40 | WNW | 2 | c | 29.97 | +4.7 | 36 | 36 | -13 | N | 2 | 0 | 1 | c | 50 | 36 | 0.11 | | |
| | Jersey (St. Aubin's) | 29.60 | 51 | WNW | 4 | bc | 29.98 | +4.3 | 47 | 41 | -2 | NW | 3 | 0 | 3 | bc | 53 | 44 | 0.03 | | |
| | Hurst Castle ... | 29.61 | 41 | WNW | 3 | bc | 29.92 | +4.3 | 37 | 36 | -8 | WNW | 4 | 0 | 3 | bc | 47 | 36 | 0.22 | | |
| | Dungeness ... | 29.50 | 43 | NNE | 2 | 0 | 29.84 | +2.9 | 33 | 32 | -12 | NW | 3 | 0 | 2 | bc | 44 | 31 | 0.11 | | |
| | North Foreland | 29.50 | 40 | N | 2 | 0 | 29.81 | +2.1 | 37 | 36 | -5 | WNW | 4 | 0 | 3 | bc | 44 | 34 | — | | |
| | London ... | 29.57 | 41 | WNW | 1 | bc | 29.90 | +2.6 | 38 | 37 | -7 | NW | 1 | 0 | * | bc | 46 | 31 | — | | |
| | Oxford ... | 29.65 | 38 | NW | 1 | bc | 29.91 | +2.7 | 34 | 33 | -8 | N | 1 | 0 | * | bc | 44 | 32 | 0.05 | | |
| | Cambridge ... | 29.60 | 38 | SW | 1 | bc | 29.86 | +2.6 | 34 | 34 | -8 | SW | 2 | 0 | * | bc | 46 | 32 | — | | |
| PENINSULA. | Yarmouth ... | 29.47 | 38 | WNW | 3 | bc | 29.73 | +2.8 | 34 | 33 | -4 | NW | 4 | 0 | 4 | bc | 43 | 30 | — | | |
| | Cuxhaven ... | 29.21 | 36 | SW | 3 | 7 | 29.47 | +1.2 | 34 | 32 | +1 | SW | 3 | 0 | * | 7 | 36 | 32 | 0.48 | | |
| | Berlin ... | 29.49 | 36 | WNW | 2 | 7 | 29.52 | -0.2 | 36 | 35 | +8 | WNW | 2 | 0 | * | 7 | 36 | 28 | 0.37 | | |
| | Wiesbaden ... | 29.71 | 37 | SW | 2 | 0 | 29.71 | -0.4 | 37 | 37 | +1 | SW | 2 | 0 | * | 0 | 37 | 36 | 0.33 | | |
| | Munich ... | 29.80 | 37 | SW | 5 | 0 | 29.70 | -0.7 | 42 | 40 | +7 | SW | 5 | 0 | * | 0 | 37 | 35 | 0.04 | | |
| | The Helder ... | 29.46 | 42 | WNW | 5 | bc | 29.58 | +2.2 | 41 | 37 | -1 | WNW | 7 | 0 | 3 | bc | 43 | 37 | 0.08 | | |
| | Brussels (9 a.m.) | * | * | * | * | * | 29.78 | +2.0 | 33 | 32 | -5 | WNW | 1 | 0 | * | 7 | 40 | 32 | 0.12 | | |
| | Cape Gris Nez | 29.47 | 42 | SW | 3 | 7 | 29.73 | +1.8 | 41 | 38 | -4 | N | 5 | 0 | 3 | 7 | 46 | 37 | 0.16 | | |
| | Paris ... | 29.60 | 48 | SW | 4 | 0 | 29.89 | +1.4 | 38 | 37 | -3 | WNW | 2 | 0 | * | 0 | 53 | 36 | 0.28 | | |
| | Brest ... | 29.72 | 52 | NW | 4 | c | 29.82 | +1.1 | 49 | 47 | -2 | N | 3 | 0 | 3 | c | 52 | 46 | 0.16 | | |
| GERMANY & HOLLAND. | Lorient ... | 29.71 | 53 | WNW | 6 | c | 30.00 | +1.8 | 47 | 43 | -5 | WNW | 5 | 0 | 4 | c | 54 | 46 | 0.04 | | |
| | Rochefort ... | 29.86 | 53 | N | 6 | 0 | 29.93 | +0.6 | 47 | 46 | -3 | NW | 5 | 0 | * | 0 | 55 | 45 | 0.24 | | |
| | Belfort ... | 29.98 | 42 | 0 | 2 | 0 | 29.92 | -0.9 | 43 | 41 | +7 | 0 | 2 | 0 | * | 0 | 52 | 36 | 0.53 | | |
| | Lyons ... | 29.97 | 44 | 2 | 0 | bc | 29.96 | +0.4 | 41 | 38 | -1 | N | 1 | 0 | 2 | bc | 52 | 40 | — | | |
| | Nice ... | 29.70 | 45 | SW | 2 | bc | 29.86 | -0.1 | 42 | 37 | -8 | SW | 2 | 0 | * | bc | 60 | 37 | — | | |
| | Perpignan ... | 29.70 | 45 | SW | 2 | bc | 29.86 | -0.1 | 42 | 37 | -8 | SW | 2 | 0 | * | bc | 60 | 37 | — | | |
| | Biarritz ... | 29.70 | 45 | SW | 2 | bc | 29.86 | -0.1 | 42 | 37 | -8 | SW | 2 | 0 | * | bc | 60 | 37 | — | | |
| | Corunna ... | 29.21 | 37 | N | 4 | c | 29.25 | +0.2 | 32 | 30 | +2 | NNE | 4 | 0 | * | c | 37 | 30 | — | | |
| | Lisbon ... | 29.21 | 37 | N | 4 | c | 29.25 | +0.2 | 32 | 30 | +2 | NNE | 4 | 0 | * | c | 37 | 30 | — | | |

For Explanation of Columns, see bottom of last page.

† Received too late for insertion in Charts on next page.

WEATHER CHARTS

for 8 a.m. on Tuesday, 13th Dec: 1892.

BAROMETER, WIND AND SEA.

EXPLANATION OF MAP.

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

Changes since previous morning are stated in words.

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

their barbs and feathers refer to force thus—

— forces above 10; — forces 8 to 10;

— forces 5 to 7; — forces 1 to 4.

○ = dead calm.

SEA DISTURBANCE—Where considerable, is shown thus:

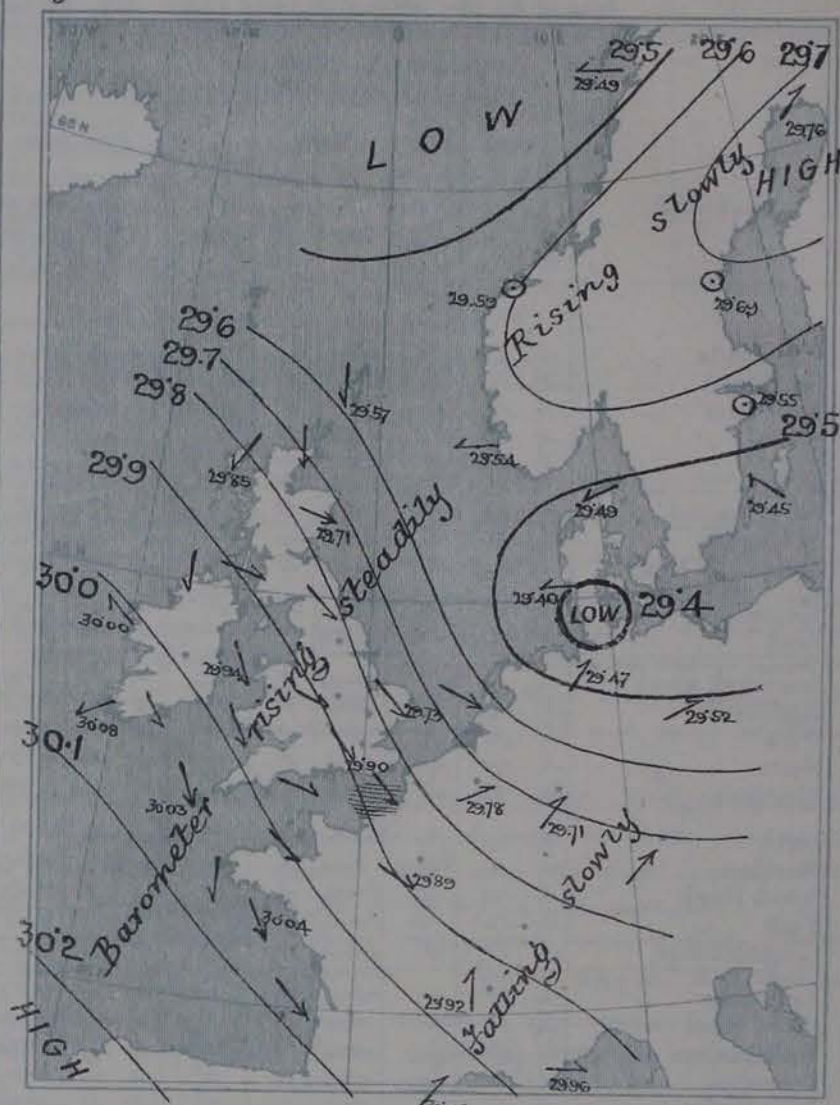
— = Rough. — = High.

MEAN HEIGHT OF THE BAROMETER

at 8.0 a.m. for the month of December

During the 20 Years: 1871—1890.

| STATIONS. | MEAN READINGS. |
|---------------|----------------|
| Samburgh Head | 29.673 |
| Stornoway | 29.703 |
| Wick | 29.718 |
| Nairn | 29.743 |
| Aberdeen | 29.767 |
| Leith | 29.807 |
| Shields | 29.815 |
| Spurn Head | 29.873 |
| York | 29.890 |
| Loughborough | 29.924 |
| Ardrossan | 29.820 |
| Mullaglinore | 29.821 |
| Donaghadee | 29.818 |
| Holyhead | 29.879 |
| Liverpool | 29.895 |
| Parsonstown | 29.901 |
| Valencia | 29.905 |
| Roches Point | 29.914 |
| Pembroke | 29.910 |
| Sally | 29.931 |
| Prawle Point | 29.979 |
| Jersey | 29.985 |
| Hurst Castle | 29.988 |
| Dover | 29.995 |
| LONDON | 29.991 |
| Oxford | 29.953 |
| Cambridge | 29.944 |
| Yarmouth | 29.910 |



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

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

WEATHER is shown by Letters of the Beaufort Scale.

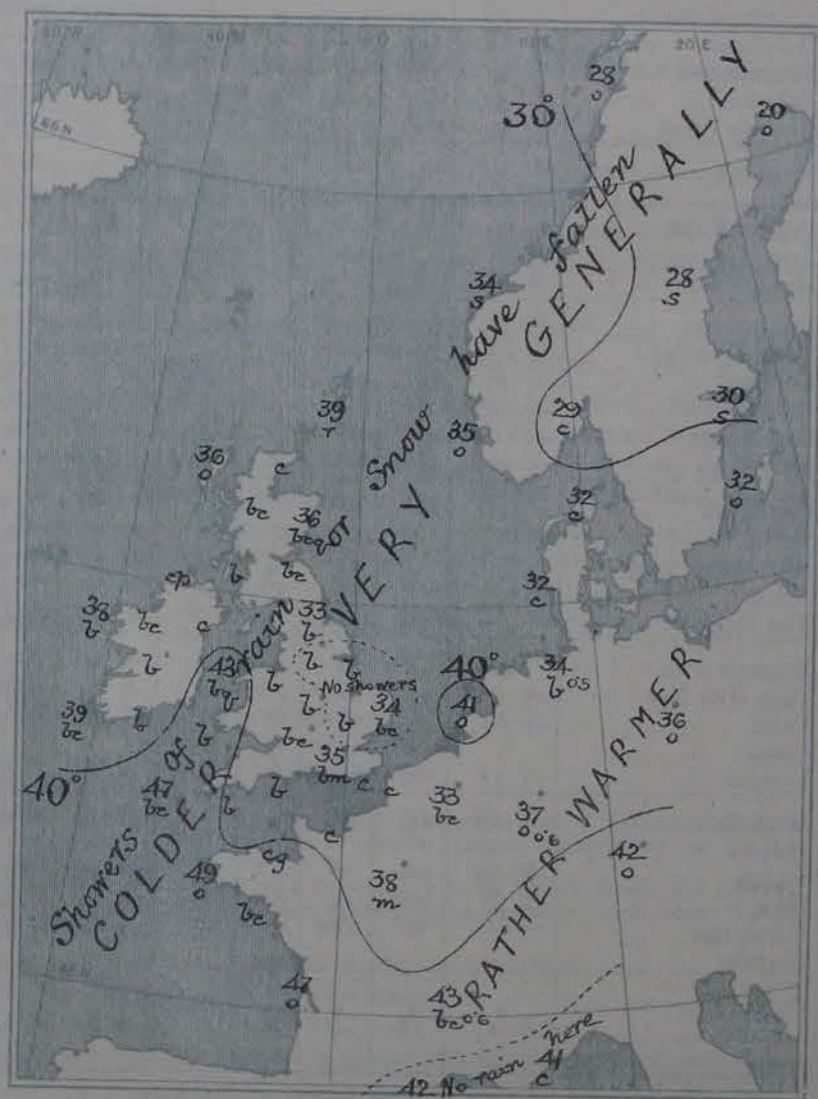
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of December.)

| STATIONS. | TEMPERATURE. | | | | RAINFALL (Inches.) |
|---------------|---------------|---------------|------------------|------|-----------------------|
| | Daily Max. | Daily Min. | Dry at 8 a.m. | Wet | |
| Samburgh Head | 42.6 | 35.2 | 39.6 | 38.1 | 4.25 |
| Stornoway | 43.1 | 34.2 | 39.4 | 38.5 | 3.63 |
| Wick | 42.2 | 32.7 | 38.1 | 36.8 | 3.10 |
| Nairn | 41.9 | 32.8 | 37.1 | 35.6 | 1.95 |
| Aberdeen | 41.9 | 32.6 | 36.9 | 35.2 | 3.21 |
| Leith | 44.0 | 33.7 | 39.5 | 37.0 | 1.33 |
| Shields | 42.9 | 33.9 | 38.3 | 36.9 | 2.57 |
| Spurn Head | 42.4 | 35.3 | 38.8 | 37.7 | 2.14 |
| York | 42.3 | 32.3 | 36.3 | 35.4 | 2.28 |
| Loughborough | 42.7 | 32.2 | 36.3 | 35.4 | 2.24 |
| Ardrossan | 41.5 | 35.2 | 40.0 | 38.7 | 3.73 |
| Mullaglinore | 46.6 | 37.8 | 42.2 | 39.8 | 1.51 |
| Donaghadee | 45.8 | 36.2 | 40.2 | 39.3 | 2.81 |
| Holyhead | 46.4 | 39.1 | 42.8 | 41.1 | 3.82 |
| Liverpool | 43.5 | 35.6 | 39.8 | 37.1 | 2.69 |
| Parsonstown | 41.7 | 33.1 | 37.8 | 36.6 | 3.01 |
| Valencia | 49.7 | 40.0 | 44.6 | 42.4 | 5.99 |
| Roches Point | 47.9 | 38.9 | 42.9 | 41.5 | 4.95 |
| Pembroke | 46.8 | 40.3 | 43.6 | 42.2 | 3.99 |
| Sally | 49.5 | 43.1 | 47.0 | 45.1 | 4.02 |
| Prawle Point | 47.0 | 38.2 | 42.5 | 41.1 | 3.76 |
| Jersey | 47.3 | 39.3 | 43.1 | 41.4 | 3.82 |
| Hurst Castle | 45.6 | 36.3 | 40.6 | 39.8 | 2.78 |
| Dover | 44.3 | 35.9 | 39.8 | 38.6 | 3.00 |
| LONDON | 44.0 | 35.9 | 37.8 | 36.7 | 2.10 |
| Oxford | 42.9 | 33.6 | 37.0 | 35.9 | 2.10 |
| Cambridge | 42.8 | 31.6 | 36.2 | 35.5 | 7.88 |
| Yarmouth | 41.0 | 31.7 | 37.9 | 37.0 | 2.66 |

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



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.2 ins: and more to 30.0 ins: over Spain, the Bay of Biscay, the west of France and the southwestern parts of England and Ireland.
Lowest, 29.4 ins: and less over Schleswig; 29.5 ins: and less over Linnmark.

Gradients moderate to slight, and mainly favourable for NW winds over our Islands and France.

Barometer rising generally—most on our north and northwest coasts.

TEMPERATURE

Highest, 52° at Limerick, 49° at Brest and Valencia (Ireland), 47° at Killybegs and Jersey.

Lowest, 20° at Haparanda, 18° at Helsingfors, 29° at Lander, 30° at Stockholm and Rostock, 33° at York.

There has been some frost in the shade over our Islands early this morning, and hoar frost on the grass.

WIND

NW over almost the whole of our Islands and France, and moderate to light in force, but still very strong at Aberdeen, where, however, the gale was at length subsiding.

In the extreme northwest of Ireland SE winds have set in.

The gale at Aberdeen is said to have blown with force 10 at times.

WEATHER

Rainy at Limerick, reported as threatening at Wick, dull over Germany, fine over our Islands as a whole. Further falls of sleet or cold rain have occurred in most places—chiefly over Germany and the east of France.

SEA

Moderate in most places, slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

There is no indication of any new disturbance at present, and fine quiet weather is probable except in the far north, with a very cold night, perhaps fog inland in the morning.

FORECASTS

For the 24 hours ending at NOON on 14th DEC^r 1892.

DISTRICTS.

FORECASTS.

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

Wind backing Wnd; squally, showery.

Same as No 5.

NW^{ly} winds, light; fine, very cold tonight and some fog.

DISTRICTS.

FORECASTS.

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

Same as No 0 and

Wind backing from NW to W; fair at first, warmer and less fair later.

WARNINGS

NONE ISSUED.

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

YESTERDAY'S 2 P.M. REPORTS.

| | BAR. | THER. | | WIND. | F. | WEA. | SEA. | | BAR. | THER. | | WIND. | F. | WEA. | SEA. |
|-------------------|-------|-------|------|-------|----|------|------|--------------------|-------|-------|------|-------|----|------|------|
| | | Dry. | Wet. | Dir. | | | | | | Dry. | Wet. | Dir. | | | |
| Skudesnaes ... | 29.20 | 32 | 32 | SE | 6 | 0 | 5 | Valencia ... | 29.75 | 47 | 44 | NNW | 4 | bcg | 4 |
| Sumburgh Head ... | 29.15 | 31 | 31 | NW | 3 | 7 | 3 | Scilly ... | 29.58 | 50 | 50 | NNW | 5 | c | 5 |
| Stornoway ... | 29.40 | 40 | 37 | NW | 6 | C | 6 | Jersey ... | 29.58 | 53 | 51 | N | 5 | OT | 4 |
| Aberdeen ... | 29.28 | 38 | 34 | NNW | 8 | CG | 4 | Hurst Castle ... | 29.47 | 44 | 44 | NNE | 1 | OTm | 3 |
| Shields ... | 29.07 | 40 | 38 | NW | 2 | bc | 2 | Dungeness ... | 29.40 | 44 | 44 | N | 3 | T | 2 |
| Ardrossan ... | 29.49 | 42 | 39 | NNW | 3 | 7 | 2 | North Foreland ... | 29.55 | 43 | 42 | N | 2 | 0 | 3 |
| Malin Head ... | 29.54 | 42 | 38 | NNW | 4 | C | 3 | London ... | 29.47 | 46 | 44 | N | 2 | m | 1 |
| Mullaghmore ... | 29.61 | 43 | 40 | NNW | 4 | Cf | 3 | Yarmouth ... | 29.48 | 43 | 41 | N | 4 | bc | 3 |
| Belmullet ... | 29.66 | 45 | 41 | NW | 0 | Cf | * | Rochefort ... | 29.90 | 54 | 51 | NNW | 4 | 0 | * |
| Holyhead ... | 29.53 | 44 | 42 | NNW | 4 | 6 | 4 | | | | | | | | |

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

Weather cloudy or overcast in most parts of Europe, with passing showers in the extreme north and northwest of our Islands with steady rain in the south of England, and at some of the northern stations in Spain and Italy, and with snow in Denmark, North Germany, and the south of Sweden. Fine and bright over the north of England, the south of Scotland and the greater part of Ireland, as well as in the southern parts of Spain. Sky clearing later in the south of England, but snow or sleet showers falling in the north of Scotland, and heavy rain at some of the French and German stations.

Temperature fallen slightly in the west of our Islands and quickly at some of the Russian stations, but risen elsewhere. Morning readings highest 58° at Malta, 54° at Oran and Algiers, and 53° at Nemours, varying between 50° and 52° in the Scilly Islands and west of France. Lowest 9° at Odesa, 10° at Warsaw, 14° at Budapest and 17° at Moscow, below the freezing point in most parts of northern, eastern, and central Europe. Raining during day to 4.5 or more at several of our western and southern stations, and exceeding 55 in Spain and the south of France. Frost occurring in most parts of the United Kingdom at night.

Wind NW or N in Ireland and Scotland, and strong in force in the Hebrides, W over England, France, and the Netherlands, strong at several of the Channel stations. SW or S in Germany, SE over Scandinavia, Denmark, Finland, and the Baltic. Light and variable over Italy and Austria, NE in Spain, SE or S in Algeria. Subsequently veering to the NW in the south of England, and becoming light or moderate in force.

Barometer highest 30.3 in. and upwards over Central Spain; 30.1 in. and upwards in a large anticyclone covering the whole of Spain and the greater part of the Mediterranean as well as in another system lying over Central Russia. Lowest 29.1 in. and less, in a depression near the Shetlands; shallow secondary disturbances lying respectively over the North Sea and the Bristol Channel; 29.6 in. and less in a well marked system lying over the south of Russia. Depression near Shetlands subsequently moving eastwards, secondary disturbances over Bristol Channel travelling southwards to the north of France.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

* AN ASTERISK is inserted in all places for which information is not usually received.
N.B.—The morning observations are made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, 7 a.m. in France, Spain and Portugal, and 9 a.m. in Belgium. The evening observations are made at 6 p.m. in the British Islands (as a rule), and France, 8 p.m. at Oxford, in Sweden, Norway, and Germany, and 9 p.m. in Belgium. The time at each Station is the Standard Time of its Country.

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

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

DAILY WEATHER REPORT

for 8 a.m. on Wednesday, 14th December, 1892.

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

| STATIONS. | | YESTERDAY EVENING. (See note at bottom of last page.) | | | | | THIS MORNING. (See note at bottom of last page.) | | | | | | | | | | PAST 24 HOURS. | | | | |
|---------------------|-----------------------------|--|-------|---|--------------|----------|---|---------------------------|---|--|--------------|--------------|--------------------------------------|------------------|----------|-------------|---------------------------|---------------------------|------|------|--|
| | | BAROM. | TEMP. | WIND. | | Weather. | BAROMETER. | | SHADE TEMP. | | | WIND. | | Sea (0 to 9). | Weather. | SHADE TEMP. | | Amount of Rainfall. | | | |
| | | | | Reading at 32° F. and Sea Level. | Dry Bulb. | | Dirac. | Force (0 to 12). | Reading at 32° F. and Sea Level. | Change since Yester- day Morn. | Dry Bulb. | Wet Bulb. | Change in dry since Yesterday. | | | Dirac. | Force (0 to 12). | | Max | Min. | |
| | | Inch. | ° | | | | Inch. | ° | ° | ° | | | | | | ° | Inch. | | | | |
| SCANDINAVIA. | Haparanda ... | 29.74 | 19 | S | 2 | 0 | 29.71 | -0.05 | 17 | 17 | -3 | NE | 2 | 0 | # | 0 | 30 | 17 | - | | |
| | Hernösand ... | 29.80 | 9 | Z | 0 | 6 | 29.78 | +0.02 | 11 | 10 | -17 | Z | 0 | bc | # | 6 | 30 | 5 | - | | |
| | Stockholm ... | 29.75 | 28 | Z | 0 | 0 | 29.91 | +0.16 | 21 | 21 | -9 | Z | 0 | f | # | 0 | 34 | ? | - | | |
| | Wisby ... | 29.72 | 31 | ESE | 4 | 0 | 29.91 | +0.19 | 29 | 28 | -3 | SSE | 4 | bc | # | 0 | 34 | 27 | - | | |
| | Bodö ... | 29.61 | 28 | E | 2 | 0 | 29.70 | +0.09 | 28 | 25 | 0 | N | 4 | 0 | 2 | 0 | 28 | 23 | - | | |
| | Christiansund... | 29.79 | 38 | SW | 2 | c | 29.63 | +0.16 | 37 | 37 | +3 | WSW | 1 | bc | 4 | c | 38 | 34 | 0.75 | | |
| | Skudesnaes ... | 29.87 | 37 | Z | 0 | bc | 29.74 | +0.13 | 40 | 39 | +5 | SSE | 6 | r | 4 | bc | 40 | 32 | - | | |
| | Christiania Fjord (Færd) | 29.83 | 25 | WNW | 4 | b | 29.90 | +0.07 | 26 | 24 | -3 | Z | 0 | 0 | 1 | b | 29 | 23 | - | | |
| | Skagen (The Seaw) | 29.89 | 32 | NNE | 2 | bc | 29.96 | +0.07 | 29 | 28 | -3 | SW | 2 | bc | 1 | bc | 32 | 27 | - | | |
| | Fanö ... | 29.91 | 30 | NE | 2 | 0 | 29.97 | +0.06 | 34 | 34 | +2 | WSW | 2 | bc | # | 0 | ? | 28 | - | | |
| BRITISH ISLANDS. | Sumburgh Head | 29.80 | 37 | WNW | 1 | c | 29.41 | -0.39 | 42 | 41 | +3 | W | 3 | bc | 4 | bc, c | 42 | 37 | 0.19 | | |
| | Stornoway ... | 29.88 | 37 | WNW | 1 | c | 29.57 | -0.31 | 43 | 42 | +7 | SW | 3 | c | 4 | 0 | 45 | 33 | 0.20 | | |
| | Wick ... | 29.87 | 37 | NW | 2 | b | 29.51 | -0.36 | 39 | 38 | +1 | NW | 3 | bc | 1 | b | 41 | 32 | 0.20 | | |
| | Nairn ... | 29.91 | 34 | Z | 0 | 0 | 29.59 | -0.32 | 42 | 40 | +5 | Z | 0 | c | 1 | 0 | 42 | 31 | 0.20 | | |
| | Aberdeen ... | 29.95 | 33 | WNW | 2 | b | 29.64 | -0.31 | 38 | 37 | +2 | SW | 2 | ogm | 3 | b, tsq | 38 | 32 | 0.13 | | |
| | Leith ... | 30.00 | 33 | W | 2 | m | 29.68 | -0.32 | 45 | 44 | +9 | W | 2 | 0 | # | m | 46 | 33 | 0.06 | | |
| | Shields ... | 30.01 | 34 | W | 2 | b | 29.76 | -0.25 | 40 | 40 | +7 | WSW | 2 | 0 | 2 | b, r | 40 | 31 | 0.05 | | |
| | Spurn Head ... | 30.03 | 36 | WNW | 3 | b | 29.93 | +0.15 | 37 | 37 | +2 | SSW | 3 | r | 3 | b | 39 | 32 | 0.05 | | |
| | York ... | 30.05 | 33 | W | 1 | b | 29.88 | +0.03 | 39 | 38 | +6 | S | 2 | 0 | # | b | 40 | 28 | 0.09 | | |
| | Loughborough | 30.11 | 33 | WNW | 2 | b | 30.00 | +0.12 | 39 | 39 | +5 | SSW | 3 | 0 | # | b | 40 | 29 | 0.02 | | |
| GERMANY & HOLLAND. | Ardrossan ... | 29.98 | 41 | SW | 1 | 0 | 29.70 | -0.28 | 47 | 47 | +7 | SW | 4 | 0 | 4 | 0 | 47 | 34 | 0.82 | | |
| | Malin Head ... | 29.89 | 39 | S | 4 | or | 29.68 | -0.21 | 48 | 48 | +9 | WSW | 4 | om | 3 | 0, r | 49 | 39 | 0.22 | | |
| | Mullaghmore ... | 29.90 | 43 | S | 5 | or | 29.77 | -0.13 | 50 | 50 | +14 | WSW | 5 | d | 3 | 0, or | 50 | 34 | 0.31 | | |
| | Belmullet ... | 29.89 | 46 | S | 5 | 0 | 29.81 | -0.08 | 50 | 50 | +12 | WSW | 3 | of | # | 0 | 50 | 35 | 0.29 | | |
| | Donaghadee ... | 30.05 | 35 | SW | 3 | c | 29.79 | -0.26 | 48 | 48 | +12 | WSW | 3 | 0 | 1 | c | 48 | 35 | 0.29 | | |
| | Liverpool (Bidston) | 30.10 | 38 | WSW | 1 | bc | 29.91 | -0.19 | 48 | 47 | +10 | SW | 3 | 0 | 3 | bc | 48 | 36 | 0.06 | | |
| | Holyhead ... | 30.07 | 40 | W | 2 | b | 29.90 | -0.17 | 49 | 49 | +6 | SW | 4 | ogm | 4 | bc, b, r | 49 | 40 | 0.32 | | |
| | Parsonstown ... | 30.02 | 41 | SE | 1 | r | 29.89 | -0.13 | 51 | 50 | +21 | SW | 2 | og | # | 0, r | 51 | 29 | 0.12 | | |
| | Valencia ... | 30.07 | 48 | SSE | 4 | 0 | 29.99 | -0.08 | 52 | 52 | +13 | SW | 5 | ogm | 5 | omg, d | 52 | 37 | 0.10 | | |
| | Roche's Point | 30.10 | 47 | NW | 1 | 0 | 30.00 | -0.10 | 51 | 51 | +12 | W | 4 | om | 4 | 0, m | 51 | 39 | 0.06 | | |
| FRANCE AND BELGIUM. | Pembroke (St. Ann's Hd.) | 30.13 | 44 | WNW | 2 | bc | 30.02 | +0.11 | 50 | 49 | +8 | SW | 5 | ogm | 6 | bc | 50 | 41 | 0.12 | | |
| | Scilly ... | 30.16 | 47 | WSW | 3 | c | 30.15 | +0.12 | 51 | 51 | +4 | SW | 4 | m | 3 | c | 51 | 43 | 0.03 | | |
| | Prawle Point ... | 30.20 | 39 | WNW | 3 | bc | 30.14 | +0.06 | 50 | 50 | +14 | WSW | 5 | m | 4 | bc, m | 50 | 36 | 0.07 | | |
| | Jersey (St. Aubin's) | 30.18 | 43 | NW | 3 | b | 30.25 | +0.07 | 48 | 45 | +1 | SSW | 3 | og | 3 | bc, b | 49 | 35 | - | | |
| | Hurst Castle ... | 30.17 | 36 | WNW | 3 | bm | 30.15 | +0.02 | 47 | 47 | +10 | SW | 6 | md | 4 | bm, b | 47 | 33 | 0.02 | | |
| | Dungeness ... | 30.08 | 33 | NW | 3 | bm | 30.15 | +0.07 | 45 | 43 | +12 | WSW | 5 | r | 4 | m, bm | 45 | 28 | 0.01 | | |
| | North Foreland | 30.10 | 37 | WNW | 3 | b | 30.13 | +0.03 | 41 | 39 | +4 | S | 2 | ogm | 2 | b | 41 | 32 | - | | |
| | London ... | 30.14 | 35 | NW | 1 | bm | 30.11 | +0.03 | 40 | 39 | +5 | SSW | 1 | od | # | b, bf | 43 | 29 | 0.06 | | |
| | Oxford ... | 30.17 | 35 | WNW | 1 | b | 30.07 | +0.10 | 41 | 40 | +7 | S | 2 | or | # | b | 41 | 33 | 0.03 | | |
| | Cambridge ... | 30.11 | 32 | NW | 1 | b | 30.06 | +0.05 | 37 | 37 | +3 | SW | 2 | r | # | b | 40 | 28 | 0.10 | | |
| PENINSULA. | Yarmouth ... | 29.99 | 35 | NW | 4 | bc | 30.05 | +0.06 | 36 | 35 | +2 | SW | 3 | rm | 3 | bc | 38 | 29 | 0.03 | | |
| | Cuxhaven ... | 29.70 | 32 | NNE | 3 | bc | 30.10 | +0.40 | 34 | 32 | 0 | SW | 2 | b | # | bc | 35 | 32 | 0.08 | | |
| | Berlin ... | 29.79 | 35 | W | 4 | 0 | 30.11 | +0.32 | 34 | 33 | -2 | W | 3 | 0 | # | b | 37 | 32 | 0.04 | | |
| | Wiesbaden ... | 30.03 | 32 | SW | 5 | b | 30.23 | +0.20 | 36 | 36 | -1 | NW | 2 | 0 | # | # | 39 | 36 | 0.12 | | |
| | Munich ... | 30.03 | 32 | SW | 5 | b | 30.23 | +0.20 | 32 | 31 | -10 | SW | 5 | S | # | b | 43 | 30 | 0.12 | | |
| | The Helder ... | 29.97 | 42 | WNW | 2 | r | 30.12 | +0.15 | 41 | 39 | 0 | SW | 4 | bc | 3 | r | 45 | 37 | 0.28 | | |
| | Brussels (9 a.m.) | 30.01 | 40 | N | 4 | b | 30.26 | +0.25 | 32 | 31 | -1 | SSW | 1 | 0 | # | b | 40 | 30 | 0.04 | | |
| | Cape Gris Nez | 30.10 | 36 | NW | 2 | b | 30.13 | +0.03 | 42 | ? | +1 | SSW | 5 | 0 | 4 | b | 45 | 37 | - | | |
| | Paris ... | 30.10 | 36 | NW | 2 | b | 30.32 | +0.22 | 29 | 29 | -9 | SSW | 2 | c | # | b | 45 | 29 | 0.04 | | |
| | Brest ... | 30.21 | 47 | WNW | 4 | b | 30.29 | +0.08 | 51 | 50 | +2 | W | 4 | 0 | 3 | c | 52 | 46 | - | | |
| FRANCE AND BELGIUM. | Lorient ... | 30.21 | 47 | WNW | 4 | b | 30.29 | +0.08 | 50 | 46 | +3 | W | 4 | c | 3 | bc | 55 | 43 | - | | |
| | Rochefort ... | 30.15 | 47 | N | 3 | bc | 30.34 | +0.19 | 37 | 36 | -10 | SE | 2 | b | # | bc | 54 | 32 | - | | |
| | Belfort ... | 30.08 | 41 | WNW | 4 | bc | 30.39 | +0.31 | 32 | 30 | -11 | NW | 1 | b | # | bc | 46 | ? | 0.20 | | |
| | Lyons ... | 29.80 | 47 | SW | 1 | c | 29.89 | -0.09 | 45 | 34 | +4 | E | 1 | b | 3 | c | 54 | 41 | - | | |
| | Nice ... | 30.02 | 53 | NW | 8 | bc | 30.23 | +0.21 | 43 | 37 | +1 | NW | 5 | b | # | bc | 59 | 42 | - | | |
| | Perpignan ... | 30.17 | 50 | ESE | 3 | 0 | 30.30 | +0.13 | 43 | 41 | -2 | SE | 3 | 0 | 2 | 0 | 54 | 39 | 0.16 | | |
| | Biarritz ... | 30.17 | 50 | ESE | 3 | 0 | 30.30 | +0.13 | 43 | 41 | -2 | SE | 3 | 0 | 2 | 0 | 54 | 39 | 0.16 | | |
| | Corunna ... | 30.23 | 57 | N | 4 | 0 | 30.25 | -0.02 | 47 | 47 | -5 | N | 3 | b | # | 0 | 61 | 46 | - | | |
| | Lisbon ... | 30.23 | 57 | N | 4 | 0 | 30.25 | -0.02 | 47 | 47 | -5 | N | 3 | b | # | 0 | 61 | 46 | - | | |

For Explanation of Columns, see bottom of last page.

† Received too late for insertion in Charts on next page.

WEATHER CHARTS

for 8 a.m. on Wednesday 14th Dec. 1892.

BAROMETER, WIND AND SEA.

EXPLANATION OF MAP

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

Changes since previous morning are stated in words.

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

→ forces above 10; → forces 8 to 10;

→ forces 5 to 7; → forces 1 to 4.

○ = dead calm.

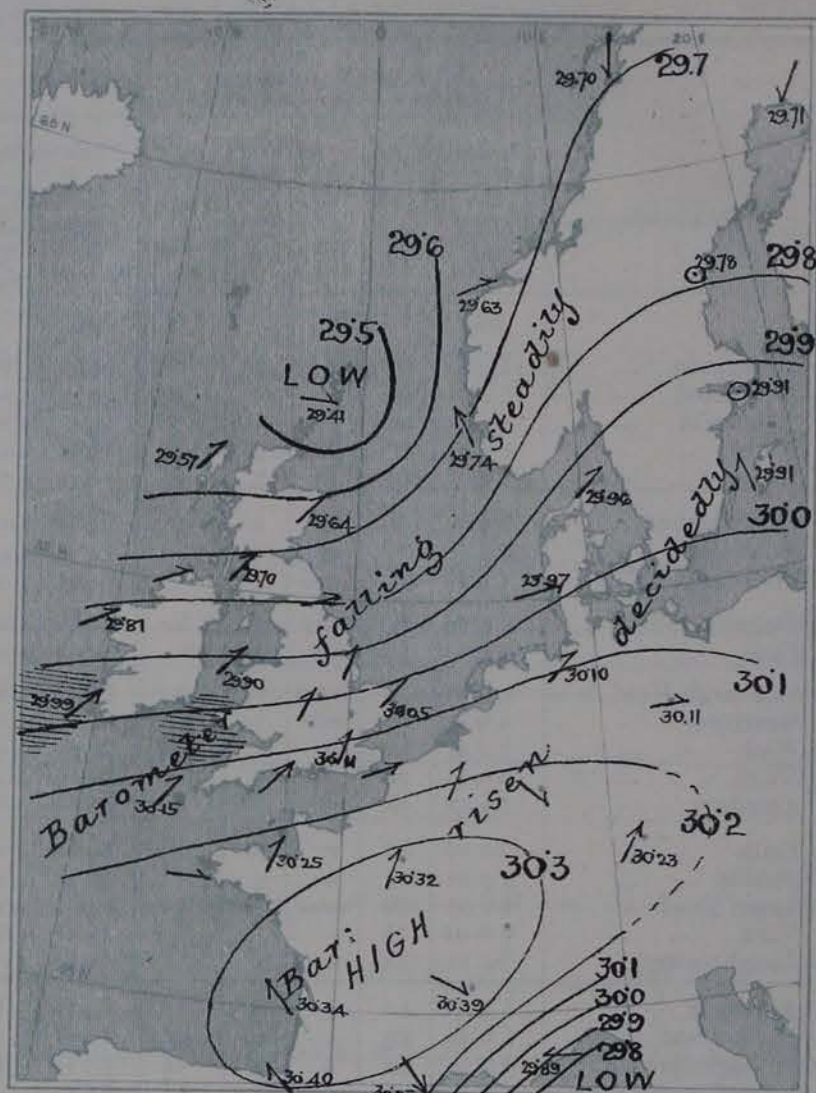
SEA DISTURBANCE—Where considerable, is shown thus:

▨ = Rough. ▨ = High.

MEAN HEIGHT OF THE BAROMETER

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

| STATIONS. | MEAN READINGS. |
|---------------|----------------|
| Sumburgh Head | 29.073 |
| Stornoway | 29.705 |
| Wick | 29.778 |
| Nairn | 29.743 |
| Aberdeen | 29.767 |
| Leith | 29.807 |
| Shields | 29.815 |
| Spurn Head | 29.873 |
| York | 29.890 |
| Loughborough | 29.924 |
| Ardrossan | 29.820 |
| Mullaghmore | 29.821 |
| Donaghadee | 29.848 |
| Holyhead | 29.879 |
| Liverpool | 29.895 |
| Parsonstown | 29.901 |
| Valencia | 29.965 |
| Rocha's Point | 29.912 |
| Pembroke | 29.916 |
| Sally | 29.931 |
| Prawle Point | 29.979 |
| Jersey | 29.985 |
| Hurst Castle | 29.958 |
| Dover | 29.953 |
| LONDON | 29.954 |
| Oxford | 29.955 |
| Cambridge | 29.941 |
| Yarmouth | 29.916 |



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

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

WEATHER is shown by Letters of the Beaufort Scale.

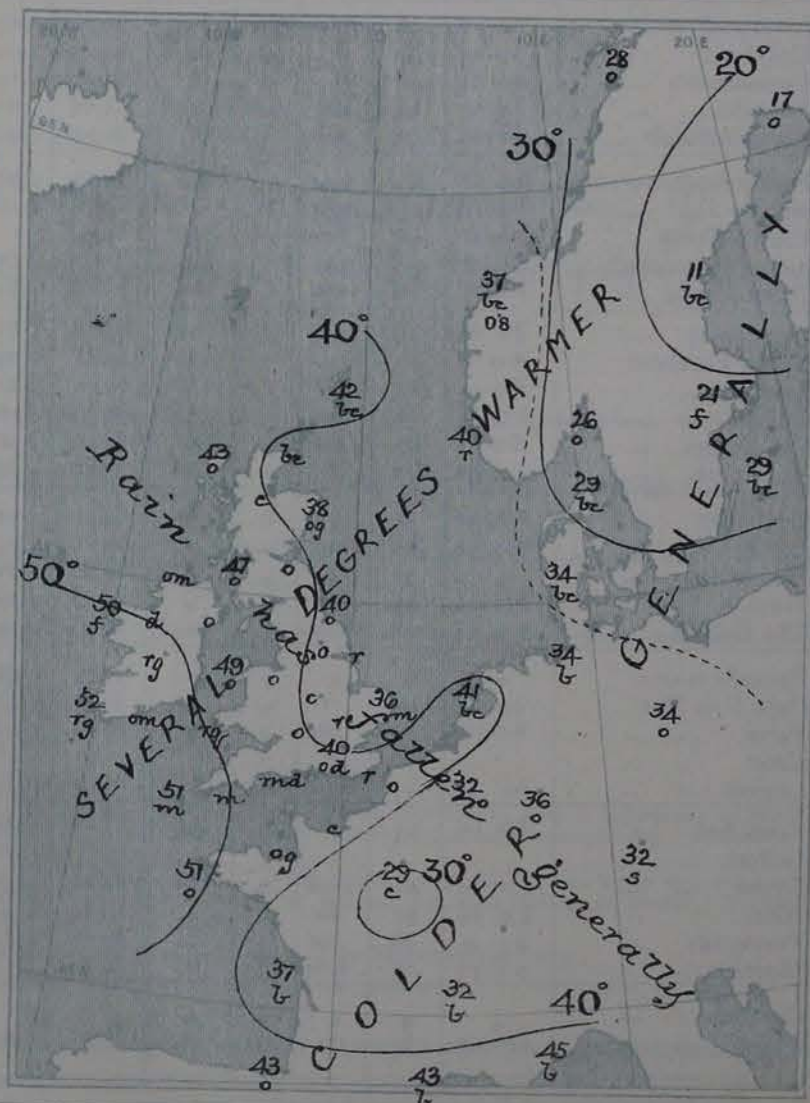
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of December.)

| STATIONS. | TEMPERATURE. | | | | RAINFALL Inches. |
|---------------|---------------|---------------|-------------------|------|---------------------|
| | Daily Max. | Daily Min. | at 8 a.m. Dry. | Wet. | |
| Sumburgh Head | 42.4 | 35.2 | 39.6 | 38.1 | 1.25 |
| Stornoway | 43.1 | 34.2 | 39.4 | 38.3 | 1.03 |
| Wick | 42.2 | 32.7 | 38.1 | 36.5 | 3.10 |
| Nairn | 41.9 | 32.8 | 37.1 | 35.6 | 1.95 |
| Aberdeen | 41.9 | 32.6 | 36.9 | 35.2 | 3.24 |
| Leith | 41.0 | 33.7 | 38.5 | 37.0 | 1.86 |
| Shields | 42.9 | 33.9 | 39.3 | 38.9 | 2.57 |
| Spurn Head | 42.4 | 35.3 | 38.8 | 37.7 | 2.11 |
| York | 42.3 | 32.3 | 36.4 | 35.4 | 2.28 |
| Loughborough | 43.7 | 32.2 | 36.3 | 35.1 | 3.24 |
| Ardrossan | 41.5 | 35.9 | 40.0 | 38.7 | 3.73 |
| Mullaghmore | 46.5 | 37.8 | 42.2 | 39.8 | 1.51 |
| Donaghadee | 45.8 | 36.2 | 40.2 | 38.3 | 2.81 |
| Holyhead | 46.4 | 39.1 | 42.8 | 41.1 | 3.82 |
| Liverpool | 43.5 | 35.6 | 38.8 | 37.1 | 2.59 |
| Parsonstown | 44.7 | 33.1 | 37.8 | 36.6 | 3.04 |
| Valencia | 49.7 | 40.0 | 44.6 | 42.4 | 5.99 |
| Rocha's Point | 47.9 | 38.0 | 42.9 | 41.5 | 4.95 |
| Pembroke | 46.8 | 40.3 | 43.6 | 42.2 | 3.99 |
| Sally | 49.6 | 43.4 | 47.0 | 45.1 | 4.02 |
| Prawle Point | 47.0 | 38.2 | 42.5 | 41.1 | 3.70 |
| Jersey | 47.3 | 39.3 | 43.1 | 41.4 | 3.82 |
| Hurst Castle | 45.6 | 36.3 | 40.6 | 39.8 | 2.78 |
| Dover | 44.3 | 35.9 | 39.3 | 38.0 | 3.00 |
| LONDON | 44.0 | 35.9 | 37.9 | 36.7 | 2.10 |
| Oxford | 42.8 | 33.5 | 37.0 | 34.9 | 2.10 |
| Cambridge | 42.3 | 31.6 | 36.2 | 35.0 | 1.88 |
| Yarmouth | 41.9 | 31.7 | 37.9 | 37.0 | 2.00 |

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



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.3 in: and more, to 30.1 in: over France, Germany, and the south of England.
 Lowest, 29.4 in: over the Shetlands, 29.8 in: and less, over Douglas Bay and the north of Ireland, and also over the Gulf of Genoa.
 Gradients slight over France and Germany, moderate elsewhere.
 Barometer falling generally — most at Valencia (Ireland).

TEMPERATURE

Highest, 50° to 52° on our extreme west and southwest coasts, 48° at Malin Head and Jersey, 42° in the Shetlands.
 Lowest, (1) 11° F. at Hemsö, 17° at Haparanda, 21° at Stockholm; (2) 29° at Paris, 32° at Brussels and Lyons.
 It has risen quickly, over England, after having been very frosty during the earlier part of the night.

WIND

Light and variable (but mainly SW^{ly}) over Scotland and Norway; moderate to fresh from the SW^{ly} over Ireland and England; SE^{ly}, light, over the southern half of the Bay of Biscay.
 A fresh gale from SW. has been felt in the Minch during the night.

WEATHER

Fine over France, dull elsewhere; unsettled over the British Isles, with rain at times.
 Rain has fallen all over the Kingdom and in many parts of France and Germany, but the amounts measured are small.
 The general appearance is rainlike and rather windy.

SEA

Rough at Valencia (Ireland) and Pembroke, moderate in most other places.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Some fresh disturbance is apparently advancing towards our northwestern coast from the southward.

FORECASTS

For the 24 hours ending at NOON on 15TH DEC^R 1892.

DISTRICTS.

FORECASTS.

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

W^{ly} to S^{ly} winds, increasing; showery, mild.

Same as No 5.

SW^{ly} winds, force doubtful at present; unsettled, rain at times. Mild.

DISTRICTS.

FORECASTS.

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

SW^{ly} and S^{ly} winds, unsettled, rainy.

SW^{ly} winds, increasing in force; squally, rain at times.

WARNINGS

NONE ISSUED AT PRESENT.

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

YESTERDAY'S 2 P.M. REPORTS.

| | BAR. | THER. | | WIND. | F. | WEA. | SEA. | | BAR. | | THER. | | WIND. | F. | WEA. | SEA. |
|----------------|-------|-------|------|-------|----|------|------|-------------------|-------|----|-------|------|-------|-------|------|------|
| | | Dry. | Wet. | | | | | | | | Dry. | Wet. | | | | |
| Skudesnaes ... | 29.74 | 36 | 33 | 2 | 0 | S | 2 | Valencia ... | 80.09 | 48 | 46 | SSE | 3 | o g m | 3 | |
| Sumburgh Head | 29.74 | 39 | 37 | rrnw | 3 | bc | 4 | Scilly ... | 30.12 | 48 | 44 | nw | 3 | bc | 3 | |
| Stornoway ... | 29.89 | 37 | 35 | w | 3 | 0 | 3 | Jersey ... | 30.10 | 49 | 42 | rrnw | 3 | bc | 3 | |
| Aberdeen ... | 29.90 | 37 | 33 | nw | 4 | by | 3 | Hurst Castle | 30.08 | 42 | 40 | rrnw | 3 | bm | 3 | |
| Shields ... | 29.92 | 38 | 36 | w | 2 | b | 2 | Dungeness... | 29.98 | 39 | 36 | rrnw | 3 | m | 2 | |
| Ardrossan ... | 29.98 | 41 | 38 | 2 | 0 | 0 | 1 | North Foreland... | 29.97 | 39 | 36 | rrnw | 4 | b | 3 | |
| Malin Head ... | 29.97 | 39 | 38 | S | 3 | 0 | 2 | London ... | 30.03 | 43 | 38 | nw | 2 | b | * | |
| Mullaghmore | 29.99 | 43 | 39 | S | 4 | 0 | 2 | Yarmouth ... | 29.88 | 38 | 36 | rrnw | 4 | bc | 4 | |
| Belmullet ... | 29.86 | 44 | 41 | S | 3 | 0 | * | Rochefort ... | 30.08 | 49 | 47 | rrnw | 3 | c | * | |
| Holyhead ... | 30.05 | 43 | 41 | nw | 2 | bc | 2 | | | | | | | | | |

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

Weather fine over the United Kingdom generally, but rainy in the Shetlands and showery in the extreme north of Ireland. Dull at most of the Continental stations, with snow in several parts of Russia and Scandinavia. Cloudy rainy weather setting in later over Ireland, and spreading quickly to all but our east and southeast stations.

Temperature fallen in most parts of Western and Northern Europe and also in the south of Russia, but risen elsewhere, - rapidly over Poland and Eastern Germany. Morning readings highest 57° at Algiers and Malta, 55° at Leghorn, and 53° at Leningrad, above 45° in the Channel Islands and west of France. Lowest 16° at Athens, 17° at Riga, 18° at Archangel, and 19° at Moscow; below the freezing point in most parts of northern and eastern Europe, and very little above it in the eastern and central parts of Great Britain. Daily maxima below 40° in the north and east of our islands, but above 45° in the southwest, and above 50° in the west and south of France. Sharp frost over Great Britain in early part of night, followed by rapid thaw.

Wind NW³ over our islands and France, moderate in force in most places, but strong in the northeast of Scotland. Moderate from SW in Germany, and the central and southern parts of Russia, but light from E or NE over Denmark, Finland and the south of Scandinavia. Calm in Austria, variable in Italy. NE or E³ in Spain; SE¹ in Algeria. Subsequently backing to the SW in Ireland and to the SW² in all the more western parts of Great Britain, but remaining moderate in force.

Barometer highest 30.3 in. and upwards over Central Spain, 30.1 in. and upwards, in a large anticyclone covering the greater part of southern Europe and the Mediterranean. Lowest 29.40 in. at Leno; 29.5 in. and less, in a large depression covering Denmark, the Baltic, north Germany, and the south of Sweden. Depression subsequently moving eastwards, but new disturbance approaching our western coasts, where barometer fell steadily.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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

" Weekly " " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on Thursday, 15th December, 1892.

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

| STATIONS. | YESTERDAY EVENING. (See note at bottom of last page.) | | | | | | THIS MORNING. (See note at bottom of last page.) | | | | | | | | | | PAST 24 HOURS. | | | | |
|---------------------|--|-------|---|--------------|----------|------|---|---------------------------|---|--|--------------|--------------|--------------------------------------|------------------|----------|-------------|---------------------------|---------------------------|----------|------|------|
| | Barom. | Temp. | WIND. | | Weather. | | BAROMETER. | | SHADE TEMP. | | | WIND. | | Sea (0 to 9). | Weather. | SHADE TEMP. | | Amount of Rainfall. | | | |
| | | | Reading at 32° F. and Sea Level. | Dry Bulb. | | | Direc. | Force (0 to 12). | Reading at 32° F. and Sea Level. | Change since Yester- day Morn. | Dry Bulb. | Wet Bulb. | Change in dry since Yesterday. | | | Direc. | Force (0 to 12). | | Weather. | Max. | Min. |
| | | | | | | | | | | | | | | | | | | | | | |
| | Inch. | ° | | | | | Inch. | ° | ° | ° | | | | | | ° | ins. | | | | |
| SCANDINAVIA. | Haparanda ... | 29.67 | 13 | 2 | 0 | 0 | 29.63 | -08 | 10 | 9 | -7 | E | 2 | 0 | # | 0 | 21 | 10 | - | | |
| | Hernösand ... | 29.59 | 18 | 2 | 0 | 0 | 29.42 | -36 | 25 | 25 | +17 | 2 | 0 | S | # | 0 | ? | 1 | 0.12 | | |
| | Stockholm ... | 29.71 | 25 | 2 | 0 | 0 | 29.51 | -40 | 31 | 31 | +10 | S | 2 | S | # | 0 | 32 | 16 | - | | |
| | Wisby ... | 29.82 | 31 | 1W | 6 | 0 | 29.52 | -39 | 33 | 32 | +4 | SSE | 4 | S | # | 0 | 34 | 25 | 0.08 | | |
| | Bodö ... | 29.45 | 25 | 1E | 4 | 6 | 29.34 | -36 | 27 | 24 | -1 | ENE | 7 | 6 | # | 6 | 28 | 21 | - | | |
| | Christiansund... | 29.22 | 40 | WSW | 6 | 7 | 29.30 | -33 | 40 | 37 | +3 | WSW | 6 | 7 | # | 7 | ? | 37 | 0.20 | | |
| | Skudesnaes ... | 29.49 | 42 | WSW | 2 | 0 | 29.51 | -23 | 42 | 41 | +2 | W | 4 | 7 | # | 0 | 43 | 37 | - | | |
| | Christiania Fjord (Færder) | 29.50 | 39 | SSW | 6 | 7 | 29.50 | -40 | 36 | 34 | +10 | WSW | 4 | 6 | 3 | 7 | 39 | 26 | - | | |
| | Skagen (The Scaw) | 29.47 | 34 | SW | 3 | S | 29.54 | -42 | 40 | 38 | +11 | WSW | 3 | 6 | 1 | S | ? | 29 | 0.20 | | |
| | Fanö ... | 29.62 | 39 | W | 4 | 0 | 29.81 | -16 | 38 | 37 | +4 | W | 2 | C | # | 0 | 39 | 34 | 0.12 | | |
| ISLANDS | Sumburgh Head | 29.47 | 44 | WSW | 3 | bc | 29.45 | +04 | 43 | 42 | +1 | W | 4 | 0 | 5 | bc | 45 | 39 | 0.14 | | |
| | Stornoway ... | 29.66 | 42 | W | 3 | bc | 29.60 | +03 | 43 | 42 | 0 | W | 4 | 0 | 4 | bc, bc | 44 | 39 | 0.04 | | |
| | Wick ... | 29.62 | 37 | 1W | 1 | b | 29.56 | +05 | 41 | 40 | +2 | 1W | 4 | 0 | 2 | b | 43 | 37 | - | | |
| | Nairn ... | 29.70 | 42 | W | 2 | bc | 29.66 | +07 | 42 | 40 | 0 | W | 3 | 0 | 1 | bc | 43 | 38 | - | | |
| | Aberdeen ... | 29.73 | 39 | SW | 3 | b | 29.71 | +07 | 40 | 38 | +2 | SSW | 2 | 0m | 3 | c. b | 43 | 36 | - | | |
| | Leith ... | 29.78 | 41 | W | 2 | bc | 29.78 | +10 | 45 | 43 | 0 | WSW | 2 | 7 | # | bc | 47 | 40 | 0.05 | | |
| | Shields ... | 29.79 | 47 | WSW | 3 | c | 29.85 | +09 | 43 | 42 | +3 | SW | 2 | 0m | 2 | 0m. c | 50 | 40 | - | | |
| | Spurn Head ... | 29.82 | 45 | WSW | 3 | ogm | 29.92 | -01 | 41 | 40 | +4 | SSW | 2 | ogm | 2 | pmg | 45 | 37 | 0.02 | | |
| | York ... | 29.80 | 49 | W | 3 | m | 29.92 | +04 | 44 | 43 | +5 | WSW | 1 | 0 | # | m | 49 | 39 | 0.01 | | |
| | Loughborough | 29.91 | 51 | WSW | 3 | 0 | 29.99 | -01 | 47 | 46 | +8 | WSW | 2 | C | # | 0.7 | 51 | 39 | 0.01 | | |
| BRITISH | Ardrossan ... | 29.83 | 46 | W | 3 | b | 29.80 | +10 | 46 | 46 | -1 | SW | 3 | 0m | 3 | p. b | 49 | 38 | 0.01 | | |
| | Malin Head ... | 29.86 | 45 | SW | 4 | c | 29.79 | +11 | 45 | 44 | -3 | SW | 2 | 0T | 2 | bc, c | 48 | 45 | 0.12 | | |
| | Mullaghmore ... | 29.93 | 46 | SW | 2 | 0 | 29.81 | +04 | 46 | 46 | -4 | WSW | 1 | 0T | 4 | c. 0m | 50 | 45 | 0.20 | | |
| | Belmullet ... | 29.94 | 49 | WSW | 2 | 0 | 29.85 | +04 | 46 | 45 | -4 | SW | 2 | 0 | # | 0 | 50 | 45 | 0.29 | | |
| | Donaghadee ... | 29.91 | 46 | SW | 3 | bc | 29.85 | +06 | 43 | 43 | -5 | SW | 3 | 7 | 1 | bc | 51 | 42 | 0.08 | | |
| | Liverpool (Bidston) | 29.90 | 48 | W | 6 | 0 | 29.94 | +03 | 46 | 44 | -2 | S | 1 | 0f | 1 | 0 | 52 | 44 | 0.03 | | |
| | Holyhead ... | 29.94 | 51 | WSW | 3 | og | 29.93 | +03 | 48 | 48 | -1 | SW | 4 | ogm | 3 | og | 52 | 46 | 0.05 | | |
| | Parsonstown ... | 29.99 | 47 | 2 | 0 | 0 | 29.91 | +02 | 51 | 50 | 0 | SW | 3 | 7q | # | 0 | 52 | 44 | 0.06 | | |
| | Valencia ... | 30.06 | 51 | WSW | 1 | 0m | 30.05 | +06 | 51 | 50 | 0 | SW | 6 | 0m | 5 | 0m2 | 54 | 49 | 0.10 | | |
| | Roche's Point | 30.03 | 53 | W | 3 | 0 | 30.05 | +05 | 52 | 51 | +1 | W | 3 | C | 3 | 0.m | 54 | 50 | 0.01 | | |
| GERMANY & HOLLAND | Pembroke (St. Ann's Hd.) | 30.00 | ? | WSW | 6 | f | 30.05 | +03 | 51 | 50 | +1 | W | 6 | Cq | 6 | f | 51 | 49 | 0.01 | | |
| | Scilly ... | 30.13 | 52 | WSW | 5 | m | 30.20 | +05 | 52 | 51 | +1 | WSW | 5 | 0 | 4 | 0.m | 53 | 50 | 0.03 | | |
| | Prawle Point ... | 30.10 | 50 | W | 5 | 7 | 30.18 | +04 | 50 | 50 | 0 | WSW | 5 | 0m | 4 | 0f | 50 | 49 | 0.09 | | |
| | Jersey (St. Aubin's) | 30.20 | 52 | W | 3 | c2m | 30.26 | +01 | 54 | 52 | +6 | W | 3 | 02m | 3 | 02m | 54 | 47 | 0.02 | | |
| | Hurst Castle ... | 30.06 | 49 | WSW | 6 | 0m | 30.11 | -04 | 49 | 48 | +2 | WSW | 4 | 0 | 4 | cm. 0m | 50 | 46 | 0.01 | | |
| | Dungeness ... | 29.98 | 48 | W | 6 | 7 | 30.05 | -10 | 48 | 48 | +3 | W | 4 | 0 | 3 | 7 | 48 | 44 | 0.10 | | |
| | North Foreland | 29.95 | 50 | SW | 4 | og+q | 30.04 | -09 | 50 | 49 | +9 | WSW | 1 | 0m | 2 | og+q | 50 | 39 | 0.11 | | |
| | London ... | 29.99 | 49 | SW | 3 | od | 30.04 | -07 | 51 | 50 | +11 | WSW | 2 | 0 | # | 0f. 0 | 51 | 40 | 0.11 | | |
| | Oxford ... | 30.02 | 50 | SW | 2 | 0 | 30.04 | -03 | 51 | 50 | +10 | SW | 3 | 0 | # | og+7 | 51 | 40 | 0.03 | | |
| | Cambridge ... | 29.93 | 49 | SW | 3 | 7 | 30.05 | -01 | 47 | 47 | +10 | SW | 1 | 0 | # | 7 | 50 | 35 | 0.05 | | |
| FRANCE AND BELGIUM. | Yarmouth ... | 29.86 | 46 | W | 4 | 0 | 29.98 | -07 | 45 | 44 | +9 | 2 | 0 | f | 3 | 0Tm | 46 | 35 | 0.23 | | |
| | Cuxhaven ... | 29.94 | 38 | SSW | 5 | 7 | 29.91 | -19 | 39 | 38 | +5 | W | 3 | 0 | # | 7 | 40 | 34 | 0.20 | | |
| | Berlin ... | 30.06 | 32 | SW | 3 | 0 | 29.87 | -24 | 38 | 37 | +4 | WSW | 4 | 7 | # | 0 | 37 | 32 | 0.28 | | |
| | Wiesbaden ... | 30.13 | 38 | SW | 2 | 0 | 30.13 | -10 | 38 | 38 | +2 | SW | 2 | 0 | # | # | 41 | 34 | 0.08 | | |
| | Munich ... | 30.28 | 25 | SW | 4 | 6 | 30.21 | -02 | 35 | 33 | +3 | WSW | 6 | 0 | # | 6 | 36 | 25 | 0.04 | | |
| | The Helder ... | 29.86 | 45 | WSW | 6 | 7 | 30.00 | -12 | 43 | 43 | +2 | WSW | 1 | C | 2 | 7 | 46 | 39 | 0.16 | | |
| | Brussels (9 a.m.) | * | * | * | * | * | 30.09 | -17 | 44 | 44 | +12 | SSW | 2 | 7 | # | 7 | 44 | 32 | 0.16 | | |
| | Cape Gris Nez | 29.93 | 43 | SW | 6 | 7 | 29.99 | -14 | 49 | 49 | +7 | W | 5 | 7 | 5 | 7 | 50 | 44 | 0.35 | | |
| | Paris ... | 30.26 | 39 | SSW | 3 | 0 | 30.23 | -09 | 45 | 44 | +16 | SW | 3 | 0 | # | 0 | ? | ? | 0.08 | | |
| | Brest ... | ? | 52 | W | 3 | C | ? | ? | 54 | 53 | +3 | W | 3 | 0 | 3 | C | 59 | 51 | - | | |
| PENIN- SULA. | Lorient ... | 30.28 | 52 | W | 4 | C | 30.32 | +03 | 53 | 50 | +3 | WSW | 5 | 0 | 4 | C | 53 | 50 | - | | |
| | Rochefort ... | 30.34 | 45 | S | 3 | 0 | 30.32 | -02 | 51 | 51 | +14 | WSW | 3 | f | # | 0 | ? | 37 | - | | |
| | Belfort ... | ? | 33 | SW | 1 | bc | ? | ? | 31 | 31 | ? | W | 3 | 0 | # | bc | 40 | 30 | - | | |
| | Lyons ... | 30.39 | 32 | WSW | 1 | b | 30.44 | +05 | 32 | 30 | 0 | WSW | 1 | 0 | # | 6 | 38 | 29 | - | | |
| | Nice ... | 30.13 | 47 | E | 1 | b | 30.19 | +30 | 41 | 34 | -4 | E | 2 | 6 | 2 | 6 | 54 | 39 | - | | |
| | Perpignan ... | 30.26 | 45 | WSW | 6 | b | 30.32 | +09 | 47 | 36 | +4 | WSW | 4 | 6 | # | 6 | 50 | 41 | - | | |
| | Biarritz ... | | | | | | | | | | | | | | | | | | | | |
| | Corunna ... | 30.24 | 53 | WSW | 3 | 6 | 30.30 | +05 | 45 | 41 | -2 | WSW | 4 | 6 | # | 6 | 59 | 43 | - | | |
| | Lisbon ... | | | | | | | | | | | | | | | | | | | | |

For Explanation of Columns, see bottom of last page.

† Received too late for insertion in Charts on next page.

WEATHER CHARTS

for 8 a.m. on Thursday, 15th Dec^r 1892.

BAROMETER, WIND AND SEA.

EXPLANATION OF MAP

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

Changes since previous morning are stated in words.

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

— forces above 10. — forces 8 to 10.

— forces 5 to 7. — forces 1 to 4.

— dead calm.

SEA DISTURBANCE—Where considerable, is shown thus:

— Rough. — High.

MEAN HEIGHT OF THE BAROMETER

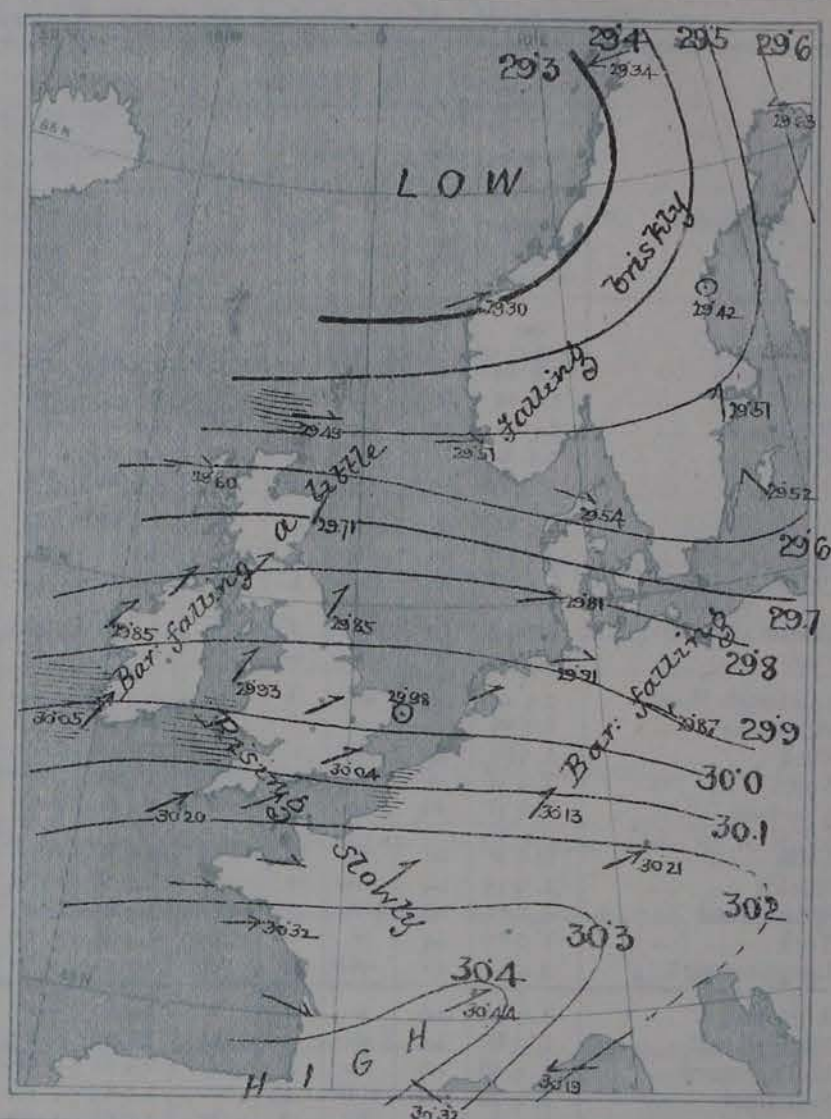
at 8.0 a.m. for the month of December

During the 20 Years 1871—1890.

STATIONS.

MEAN READINGS.

| STATIONS. | MEAN READINGS. |
|---------------|----------------|
| Sumburgh Head | 29.673 |
| Stornoway | 29.703 |
| Wick | 29.718 |
| Nairn | 29.743 |
| Aberdeen | 29.767 |
| Leith | 29.807 |
| Shields | 29.815 |
| Spurn Head | 29.873 |
| York | 29.890 |
| Loughborough | 29.921 |
| Ardrrossan | 29.929 |
| Mullaghmore | 29.931 |
| Donaghadee | 29.948 |
| Holyhead | 29.979 |
| Liverpool | 29.985 |
| Parsonstown | 29.991 |
| Valencia | 29.995 |
| Roche's Point | 29.912 |
| Pembroke | 29.916 |
| Scilly | 29.931 |
| Pravle Point | 29.970 |
| Jorsey | 29.989 |
| Hurst Castle | 29.998 |
| Dover | 29.953 |
| LONDON | 29.951 |
| Oxford | 29.955 |
| Cambridge | 29.941 |
| Yarmouth | 29.916 |



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

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

WEATHER—is shown by Letters of the Beaufort Scale.

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

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of December.)

| STATIONS. | TEMPERATURE. | | | | RAINFALL. Inches. |
|---------------|---------------|---------------|-------------------|------|----------------------|
| | Daily Max. | Daily Min. | at 8 a.m. Dry. | Wet. | |
| Sumburgh Head | 42.0 | 35.2 | 39.6 | 38.1 | 1.25 |
| Stornoway | 43.1 | 34.2 | 39.1 | 38.5 | 0.63 |
| Wick | 42.2 | 32.7 | 38.1 | 36.8 | 3.10 |
| Nairn | 41.9 | 32.8 | 37.1 | 35.0 | 1.95 |
| Aberdeen | 41.9 | 32.6 | 36.9 | 35.2 | 1.24 |
| Leith | 41.0 | 33.7 | 38.8 | 37.0 | 1.86 |
| Shields | 42.9 | 33.9 | 38.3 | 36.9 | 2.57 |
| Spurn Head | 42.4 | 35.3 | 38.8 | 37.7 | 2.14 |
| York | 42.3 | 32.8 | 36.4 | 35.4 | 2.28 |
| Loughborough | 42.7 | 32.2 | 36.3 | 35.1 | 2.21 |
| Ardrrossan | 44.5 | 35.0 | 40.0 | 38.7 | 3.74 |
| Mullaghmore | 46.5 | 37.8 | 42.2 | 39.8 | 1.61 |
| Donaghadee | 43.8 | 36.2 | 40.2 | 39.3 | 2.84 |
| Holyhead | 46.1 | 39.1 | 42.8 | 41.1 | 3.82 |
| Liverpool | 43.3 | 35.0 | 38.8 | 37.1 | 2.59 |
| Parsonstown | 44.7 | 33.1 | 37.8 | 36.6 | 3.04 |
| Valencia | 43.7 | 40.0 | 41.6 | 42.1 | 5.99 |
| Roche's Point | 47.9 | 38.9 | 42.0 | 41.5 | 1.95 |
| Pembroke | 46.8 | 40.3 | 41.3 | 42.2 | 3.09 |
| Scilly | 49.5 | 43.1 | 47.0 | 45.1 | 1.02 |
| Pravle Point | 47.0 | 38.2 | 42.5 | 41.1 | 1.76 |
| Jorsey | 47.3 | 39.5 | 43.1 | 41.4 | 3.82 |
| Hurst Castle | 45.0 | 36.3 | 40.0 | 39.8 | 2.78 |
| Dover | 44.3 | 34.9 | 34.8 | 38.0 | 3.00 |
| LONDON | 44.9 | 33.9 | 37.8 | 36.7 | 2.10 |
| Oxford | 42.0 | 33.3 | 37.0 | 35.9 | 2.10 |
| Cambridge | 42.8 | 31.3 | 36.2 | 35.3 | 1.88 |
| Yarmouth | 41.9 | 33.7 | 37.0 | 37.0 | 2.06 |

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



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.4 in. and upwards, at some of the southern French stations; 30.3 in. and upwards, in an anticyclone covering nearly the whole of France and Spain.
 Lowest, 29.3 in. and less, in a large depression lying off the west of Norway.
 Gradient moderate. Barometer falling a little in the west and north of our Islands, as well as in Sweden and Germany but rising elsewhere.

TEMPERATURE

Highest, 54° at Jersey and Brest, 53° at Fribourg, 52° at Valencia Island, Rochester and Lillie, and 51° at Pembroke, Oxford, and in London.
 Lowest, 10° at Haparanda, 27° at Borås, 28° at Helsingfors, 31° at Stockholm and Biefert, and 32° at Lyons.
 A considerable rise has taken place over France and the southeast of England.

WIND

Chiefly W³ or SW³; light or moderate in force generally, but strong on some parts of our southwest coast.
 S³ in the south of Sweden; E¹ in the north of Scandinavia and also in the extreme south of France.

WEATHER

Dull generally, with mist in several places, and with rain in the north of Ireland, the west of Norway and some parts of France, Belgium and Germany. Snow is falling at most of the Swedish stations.
 In the extreme south of France the weather is fine and bright.
 Rain fell yesterday at all but our northeastern stations, the amounts being in most cases small.

SEA

Rough at Pembroke, and rather rough at Lumbagh H¹, Valencia Island, and C. Fin Vig, but slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

There are at present no indications of any decided change in the weather. SW³ and W³ winds are likely to continue in most districts, with a mild air, and occasional rain.

FORECASTS

For the 24 hours ending at NOON on 16TH DEC^R 1892.

DISTRICTS.

FORECASTS.

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

SW² and W² winds, light; drizzle, misty, rain at times.
 SW² and W² winds, moderate or fresh; mild, drizzle, occasional showers.

DISTRICTS.

FORECASTS.

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



SW² winds, moderate or fresh; drizzle, some rain.
 SW² and W² winds, strong; drizzle, rain at times.

Same as N^o 6 and 7.

Same as N^o 8.

WARNINGS

NONE ISSUED.

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

YESTERDAY'S 2 P.M. REPORTS.

| | BAR. | THER. | | WIND. Direc. | F. | WEA. | SEA. | | BAR. | THER. Dry. | Wet. | WIND. Direc. | F. | WEA. | SEA. |
|-------------------|-------|-------|------|-----------------|----|------|------|--------------------|-------|---------------|------|-----------------|----|------|------|
| | | Dry. | Wet. | | | | | | | | | | | | |
| Skudesnaes ... | 29.51 | 41 | 40 | S | 2 | π | 5 | Valencia ... | 30.03 | 52 | 51 | WSW | 5 | oam | 5 |
| Sumburgh Head ... | 29.41 | 43 | 41 | WSW | 2 | bc | 4 | Scilly ... | 30.13 | 53 | 51 | WSW | 5 | o | 3 |
| Stornoway ... | 29.61 | 43 | 42 | W | 3 | b | 3 | Jersey ... | 30.22 | 50 | 49 | WSW | 3 | o | 3 |
| Aberdeen ... | 29.64 | 42 | 39 | WSW | 2 | c | 3 | Hurst Castle ... | 30.08 | 49 | 48 | WSW | 6 | cm | 4 |
| Shields ... | 29.70 | 47 | 46 | SW | 2 | om | 2 | Dungeness ... | 30.01 | 47 | 47 | WSW | 7 | π | 6 |
| Ardrossan ... | 29.77 | 46 | 46 | WSW | 4 | o | 3 | North Foreland ... | 30.00 | 46 | 45 | SW | 4 | o | 3 |
| Malin Head ... | 29.80 | 47 | 46 | W | 4 | bc | 2 | London ... | 30.01 | 51 | 50 | SW | 3 | oga | * |
| Mullaghmore ... | 29.88 | 48 | 47 | WSW | 3 | cm | 2 | Yarmouth ... | 29.89 | 41 | 40 | WSW | 4 | om | 3 |
| Belmullet ... | 29.91 | 49 | 48 | W | 2 | o | * | Rocheport ... | 30.36 | 46 | 44 | SSE | 3 | o | * |
| Holyhead ... | 29.89 | 50 | 50 | WSW | 4 | ogm | 4 | | | | | | | | |

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

Weather in morning fine and bright over southwestern and southern Europe, fair in Scotland and Sweden; cloudy or overcast elsewhere, with snow in Finland, rain in many parts of England and Ireland, mist on our southwestern and southern coasts. Rain in small quantity later at all the Irish, English and German stations, in the Netherlands, and some parts of Scotland, but clear skies prevalent over southern Europe.

Temperature risen fast over the United Kingdom, fallen over France, Germany, and the north of Russia. Morning readings 62° at Malta, and above 50° on the Algerian coast generally, as well as in some parts of Italy and on the extreme western and southwestern coasts of our Islands; above 40° at most of our sea stations. Lowest (1) 11° at Kiofia and Hanoöand, 12° at Uleaborg, 16° at Riga, 18° at Moscow, but above 32° over Germany; (2) 29° at Paris, 31° at Turin, 32° at Lyons. Rising to 50° or more over England and the south of France later, and to 59° at Lisbon.

Wind (1) W³ to SW³ over Ireland, England, and the southern half of the North Sea, variable but cyclonic in Scotland, SE¹ at Skudesnaes; variable and anticyclonic over France; E¹ to NE¹ over southern Europe, NW¹ to SW¹ over the eastern part of Algeria and Tunis; very light and variable over Russia. Becoming W¹ over Scotland later, and increasing from WSW over the English Channel.

Barometer highest 30.3 in. and upwards to 30.0 in. over Spain, France, Germany, and the south of England, and exceeding 29.9 in. in a ridge spreading northwards over Denmark. Lowest 29.5 in. and less, in a depression over the Shetlands; 29.7 in. and less near St. Petersburg; 29.9 in. and less, in a depression over Corsica and the Gulf of Genoa. Secondary disturbance found over the North Sea later, but barometer rising on our west and northwest coasts.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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

„ Weekly „ „ „ £1 10 0 „

DAILY WEATHER REPORT

for 8 a.m. on FRIDAY 16th DECEMBER. 1892.

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

| STATIONS. | YESTERDAY EVENING. (See note at bottom of last page.) | | | | | THIS MORNING. (See note at bottom of last page.) | | | | | | | | | | PAST 24 HOURS. | | | |
|---------------------|--|-----------|--------|------------------|----------|---|------------------------------|-----------|-----------|--------------------------------|--------|------------------|----------|---------------|-----|----------------|------|------|---------------------|
| | BAROM. | TEMP. | WIND. | | | BAROMETER. | SHADE TEMP. | WIND. | | | | | | | | SHADE TEMP. | | | |
| | Reading at 32° F. and Sea Level. | Dry Bulb. | Dirac. | Force (0 to 12). | Weather. | Reading at 32° F. and Sea Level. | Change since Yesterday Morn. | Dry Bulb. | Wet Bulb. | Change in dry since Yesterday. | Dirac. | Force (0 to 12). | Weather. | Sea (0 to 9). | | Weather. | Max. | Min. | Amount of Rainfall. |
| | Inch. | ° | | | | Inch. | | ° | ° | ° | | | | | | | ° | ins. | |
| SCANDINAVIA. | Haparanda ... | 29.52 | 13 | ESE | 4 | 29.60 | -0.08 | 16 | 16 | +6 | E | 2 | S | * | 5 | 16 | 9 | 0.28 | |
| | Hernösand ... | 29.41 | 17 | E | 0 | 29.56 | +0.15 | 23 | 22 | -5 | E | 0 | f | * | 5 | 30 | 14 | — | |
| | Stockholm ... | 29.45 | 31 | E | 0 | 29.56 | +0.11 | 30 | 30 | -1 | E | 0 | f | * | 5 | 34 | 23 | — | |
| | Wisby ... | 29.45 | 33 | E | 4 | 29.56 | +0.11 | 35 | 34 | +2 | E | 4 | f | * | 5 | 36 | 27 | 0.04 | |
| | Redö ... | 29.30 | 27 | E | 4 | 29.45 | +0.15 | 22 | 19 | -5 | E | 4 | b | 2 | 5 | 28 | 18 | — | |
| | Christiansund... | 29.52 | 38 | SW | 4 | 29.57 | +0.05 | 37 | 37 | -1 | W | 6 | S | 4 | 0 | 36 | 36 | 0.08 | |
| | Skudesnaes ... | 29.52 | 42 | WNW | 5 | 29.83 | +0.31 | 42 | 39 | 0 | WNW | 7 | C | 4 | 0.7 | 45 | 37 | — | |
| | Christiania Fjord (Færd) | 29.41 | 38 | W | 4 | 29.65 | +0.24 | 38 | 35 | +2 | W | 4 | b | 2 | 0 | 37 | 36 | — | |
| | Skagen (The Scaw) | 29.45 | 40 | WNW | 3 | 29.61 | +0.16 | 39 | 38 | -1 | WNW | 3 | b | 1 | 5 | 41 | 37 | — | |
| | Fanö ... | 29.67 | 37 | W | 4 | 29.95 | +0.28 | 40 | 38 | +2 | WNW | 6 | b | * | 0 | 41 | 36 | 0.08 | |
| BRITISH ISLANDS. | Sumburgh Head | 29.47 | 41 | W | 4 | 29.91 | +0.44 | 41 | 39 | -2 | WNW | 1 | 0 | 5 | 7.5 | 45 | 36 | 0.16 | |
| | Stornoway ... | 29.73 | 43 | WNW | 4 | 29.88 | +0.15 | 45 | 44 | +2 | SW | 5 | 0 | 4 | 5 | 45 | 37 | 0.06 | |
| | Wick ... | 29.70 | 38 | WNW | 3 | 29.93 | +0.23 | 40 | 38 | -1 | W | 2 | C | 2 | 5 | 41 | 36 | 0.13 | |
| | Nairn ... | 29.76 | 40 | W | 2 | 29.95 | +0.19 | 41 | 39 | -1 | W | 2 | C | 1 | 5 | 43 | 37 | 0.05 | |
| | Aberdeen ... | 29.75 | 40 | W | 4 | 29.86 | +0.11 | 39 | 36 | -1 | SW | 2 | C | 2 | 5 | 41 | 38 | — | |
| | Leith ... | 29.89 | 41 | WNW | 2 | 29.12 | +0.23 | 43 | 40 | -2 | W | 2 | ben | * | 5 | 47 | 37 | — | |
| | Shields ... | 29.88 | 42 | W | 4 | 29.18 | +0.30 | 40 | 39 | -1 | W | 2 | 0 | 2 | 5 | 45 | 38 | 0.01 | |
| | Spurn Head ... | 29.91 | 44 | WNW | 3 | 29.27 | +0.36 | 39 | 37 | -2 | WNW | 2 | 0 | 2 | 5 | 47 | 37 | 0.02 | |
| | York ... | 29.95 | 46 | WNW | 3 | 29.36 | +0.41 | 39 | 37 | -2 | W | 1 | 0 | 2 | 5 | 50 | 36 | 0.04 | |
| | Loughborough | 29.04 | 49 | WNW | 3 | 29.32 | +0.28 | 39 | 38 | -1 | WNW | 1 | 0 | 2 | 5 | 54 | 38 | 0.03 | |
| BRITISH ISLANDS. | Ardrossan ... | 29.99 | 46 | WNW | 4 | 29.11 | +0.12 | 43 | 43 | -3 | SE | 2 | 0 | 2 | 5 | 51 | 39 | 0.02 | |
| | Malin Head ... | 29.00 | 46 | W | 4 | 29.38 | +0.38 | 45 | 44 | 0 | WNW | 4 | 0 | 2 | 5 | 46 | 40 | 0.01 | |
| | Mullaghmore ... | 29.10 | 46 | WNW | 2 | 29.22 | +0.12 | 50 | 48 | +4 | WNW | 5 | 0 | 4 | 5 | 53 | 40 | 0.06 | |
| | Belmullet ... | 29.13 | 44 | WNW | 3 | 29.55 | +0.42 | 48 | 48 | +2 | WNW | 4 | 0 | 3 | 5 | 48 | 40 | 0.04 | |
| | Donaghadee ... | 29.07 | 44 | W | 3 | 29.11 | +0.04 | 46 | 46 | +3 | WNW | 4 | 0 | 3 | 5 | 48 | 43 | 0.09 | |
| | Liverpool (Bidston) | 29.08 | 45 | W | 5 | 29.26 | +0.18 | 39 | 37 | -2 | SE | 2 | ben | 2 | 5 | 53 | 37 | 0.03 | |
| | Holyhead ... | 29.10 | 46 | WNW | 2 | 29.22 | +0.12 | 47 | 47 | -1 | WNW | 4 | 0 | 3 | 5 | 51 | 41 | 0.03 | |
| | Parsonstown ... | 29.15 | 42 | E | 0 | 29.14 | +0.01 | 48 | 46 | -2 | E | 0 | 0 | 3 | 5 | 52 | 38 | 0.07 | |
| | Valencia ... | 29.19 | 52 | WNW | 3 | 29.17 | +0.02 | 50 | 49 | -1 | W | 5 | 0 | 3 | 5 | 53 | 48 | 0.08 | |
| | Roche's Point | 29.16 | 53 | W | 3 | 29.22 | +0.06 | 49 | 48 | -1 | WNW | 4 | 0 | 4 | 5 | 53 | 48 | 0.01 | |
| BRITISH ISLANDS. | Pembroke (St. Ann's Hd.) | 29.14 | 51 | W | 5 | 29.27 | +0.13 | 49 | 48 | -1 | SW | 4 | 0 | 4 | 5 | 52 | 47 | 0.03 | |
| | Seilly ... | 29.26 | 50 | W | 4 | 29.34 | +0.08 | 49 | 48 | -1 | W | 4 | 0 | 3 | 5 | 53 | 47 | 0.02 | |
| | Prawle Point ... | 29.24 | 49 | W | 5 | 29.37 | +0.13 | 48 | 48 | -2 | WNW | 3 | 0 | 2 | 5 | 51 | 48 | 0.04 | |
| | Jersey (St. Aubin's) | 29.30 | 53 | WNW | 3 | 29.48 | +0.18 | 50 | 49 | -1 | WNW | 3 | 0 | 3 | 5 | 53 | 47 | 0.03 | |
| | Hurst Castle ... | 29.18 | 49 | W | 4 | 29.37 | +0.19 | 48 | 48 | -1 | SW | 3 | 0 | 4 | 5 | 51 | 47 | — | |
| | Dungeness ... | 29.06 | 48 | W | 6 | 29.38 | +0.32 | 41 | 41 | -7 | WNW | 1 | ben | 3 | 5 | 53 | 38 | 0.01 | |
| | North Foreland | 29.01 | 51 | WNW | 4 | 29.35 | +0.34 | 42 | 40 | -2 | WNW | 1 | C | 2 | 5 | 53 | 37 | — | |
| | London ... | 29.10 | 51 | W | 2 | 29.36 | +0.26 | 41 | 40 | -1 | W | 1 | ben | * | 5 | 53 | 37 | — | |
| | Oxford ... | 29.16 | 49 | SW | 2 | 29.36 | +0.20 | 42 | 42 | -8 | WNW | 1 | 0 | * | 5 | 53 | 37 | 0.01 | |
| | Cambridge ... | 29.15 | 40 | W | 1 | 29.36 | +0.21 | 34 | 34 | -13 | W | 1 | 0 | * | 5 | 52 | 35 | — | |
| GERMANY & HOLLAND. | Yarmouth ... | 29.30 | 51 | WNW | 5 | 29.31 | +0.01 | 37 | 36 | -1 | WNW | 2 | 0 | 3 | 5 | 52 | 35 | 0.01 | |
| | Cuxhaven ... | 29.85 | 40 | WNW | 3 | 29.10 | +0.25 | 41 | 40 | +2 | WNW | 5 | ben | * | 0 | 41 | 39 | 0.04 | |
| | Berlin ... | 29.84 | 37 | W | 1 | 29.2 | +0.36 | 41 | 39 | +3 | WNW | 4 | 0 | * | 7 | 41 | 36 | 0.09 | |
| | Wiesbaden ... | 29.84 | 37 | W | 1 | 29.36 | +0.52 | 44 | 44 | +6 | W | 3 | 0 | * | 7 | 43 | 38 | 0.04 | |
| | Munich ... | 29.14 | 41 | SW | 6 | 29.32 | +0.18 | 42 | 41 | +7 | WNW | 6 | ben | * | 7 | 43 | 38 | 0.20 | |
| | The Helder ... | 29.89 | 46 | WNW | 7 | 29.28 | +0.39 | 44 | 42 | +1 | W | 4 | 0 | 3 | 0 | 43 | 43 | 0.16 | |
| | Brussels (9 a.m.) | 29.89 | 37 | W | 1 | 29.39 | +0.50 | 38 | 38 | -6 | WNW | 1 | 0 | * | 0 | 50 | 37 | 0.04 | |
| | Cape Gris Nez | 29.00 | 50 | W | 6 | 29.2 | +0.22 | 45 | 44 | -4 | WNW | 2 | 0 | 2 | 5 | 52 | 43 | — | |
| | Paris ... | 29.26 | 50 | SW | 2 | 29.44 | +0.18 | 47 | 46 | +2 | WNW | 2 | 0 | * | 0 | 51 | 45 | — | |
| | Brest ... | 29.26 | 52 | W | 3 | 29.2 | +0.24 | 50 | 50 | -4 | SW | 2 | 0 | 3 | 0 | 52 | 48 | 0.04 | |
| FRANCE AND BELGIUM. | Lorient ... | 29.36 | 52 | WNW | 4 | 29.45 | +0.09 | 47 | 45 | -6 | WNW | 2 | 0 | 4 | 0 | 53 | 46 | — | |
| | Rochefort ... | 29.37 | 50 | E | 0 | 29.44 | +0.07 | 47 | 46 | -4 | E | 0 | 0 | * | 5 | 54 | 45 | 0.04 | |
| | Belfort ... | 29.41 | 35 | W | 1 | 29.2 | +0.22 | 42 | 41 | +10 | WNW | 1 | 0 | * | 5 | 48 | 32 | 0.04 | |
| | Lyons ... | 29.18 | 44 | E | 0 | 29.17 | +0.01 | 44 | 43 | +3 | E | 1 | 0 | 1 | 5 | 54 | 41 | — | |
| | Nice ... | 29.28 | 49 | WNW | 3 | 29.28 | +0.00 | 45 | 44 | +2 | WNW | 4 | 0 | * | 5 | 57 | 47 | — | |
| | Perpignan ... | 29.38 | 47 | ESE | 3 | 29.36 | +0.02 | 45 | 41 | +2 | ESE | 3 | 0 | 2 | 5 | 54 | 37 | — | |
| | Biarritz ... | 29.38 | 47 | ESE | 3 | 29.36 | +0.02 | 45 | 41 | +2 | ESE | 3 | 0 | 2 | 5 | 54 | 37 | — | |
| | Corunna ... | 29.31 | 34 | WNW | 4 | 29.30 | +0.01 | 43 | 41 | -2 | WNW | 2 | 0 | * | 5 | 59 | 48 | — | |
| | Lisbon ... | 29.31 | 34 | WNW | 4 | 29.30 | +0.01 | 43 | 41 | -2 | WNW | 2 | 0 | * | 5 | 59 | 48 | — | |
| | Peninsular | 29.31 | 34 | WNW | 4 | 29.30 | +0.01 | 43 | 41 | -2 | WNW | 2 | 0 | * | 5 | 59 | 48 | — | |

For Explanation of Columns, see bottom of last page.

† Received too late for insertion in Charts on next page.

WEATHER CHARTS

for 8 a.m. on Friday, 16th Dec. 1892.

BAROMETER, WIND AND SEA.

EXPLANATION OF MAP.

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

Changes since previous morning are stated in words.

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

their barbs and feathers refer to force thus—

— forces above 10; — forces 8 to 10;

— forces 6 to 7; — forces 1 to 4.

○ = dead calm.

SEA DISTURBANCE—Where considerable, is shown thus:

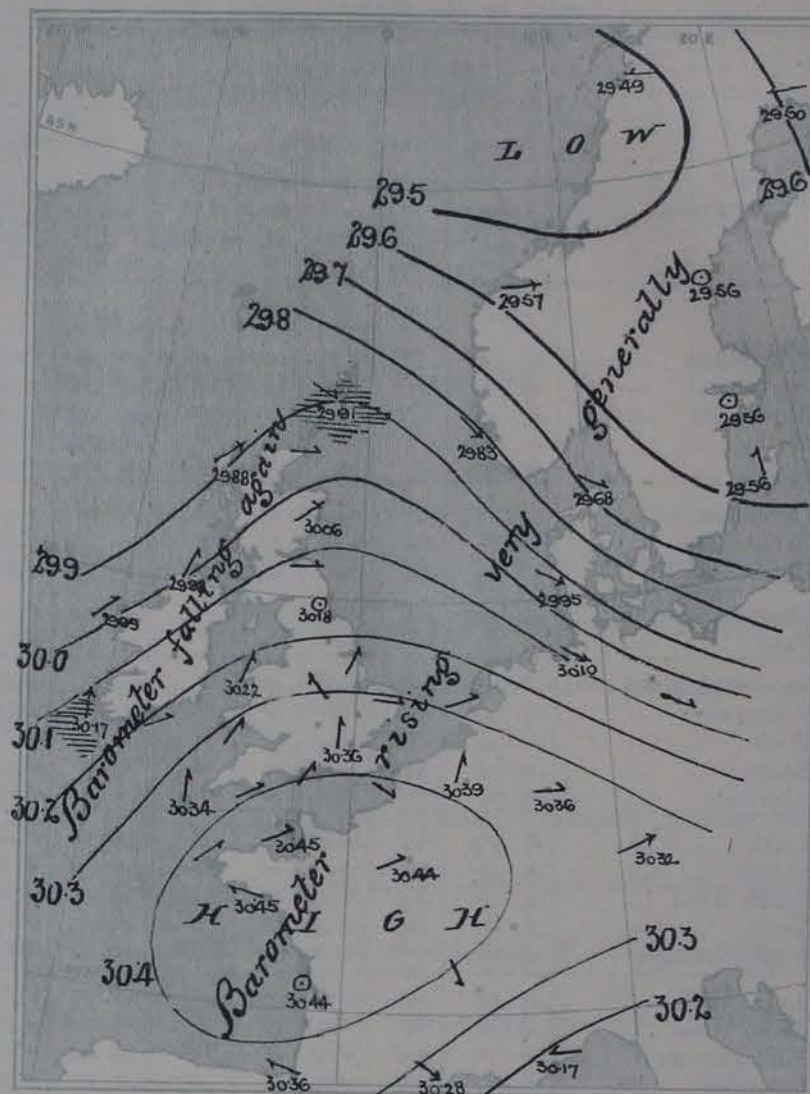
— = Rough. — = High.

MEAN HEIGHT OF THE BAROMETER

at 8.0 a.m. for the month of December

During the 20 Years: 1871—1890.

| STATIONS. | MEAN READINGS. |
|---------------|----------------|
| Summargh Head | 29.873 |
| Stornoway | 29.703 |
| Wick | 29.718 |
| Nairn | 29.743 |
| Aberdeen | 29.767 |
| Leith | 29.807 |
| Shields | 29.815 |
| Spurn Head | 29.873 |
| York | 29.900 |
| Loughborough | 29.924 |
| Ardrossan | 29.820 |
| Mullaghmore | 29.821 |
| Donaughadee | 29.848 |
| Holyhead | 29.870 |
| Liverpool | 29.895 |
| Parsonstown | 29.901 |
| Valencia | 29.905 |
| Roches Point | 29.912 |
| Pembroke | 29.916 |
| Sally | 29.931 |
| Praslee Point | 29.970 |
| Jersey | 29.985 |
| Hurst Castle | 29.958 |
| Dover | 29.953 |
| LONDON | 29.934 |
| Oxford | 29.935 |
| Cambridge | 29.941 |
| Yarmouth | 29.916 |



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

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

WEATHER is shown by Letters of the Beaufort Scale.

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

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of December.)

| STATIONS. | TEMPERATURE. | | | | RAINFALL. (Inches.) |
|---------------|--------------|--------|-----------|-------|------------------------|
| | Day. | Night. | at 8 a.m. | Wind. | |
| Summargh Head | 42.5 | 35.2 | 39.6 | 38.4 | 4.25 |
| Stornoway | 43.1 | 34.2 | 39.4 | 38.5 | 0.63 |
| Wick | 42.2 | 32.7 | 38.1 | 36.8 | 0.10 |
| Nairn | 41.9 | 32.8 | 37.1 | 35.6 | 1.90 |
| Aberdeen | 41.9 | 32.6 | 36.9 | 35.2 | 3.24 |
| Leith | 41.0 | 33.7 | 38.5 | 37.0 | 1.80 |
| Shields | 42.9 | 35.9 | 39.3 | 36.9 | 2.67 |
| Spurn Head | 42.1 | 35.3 | 38.8 | 37.7 | 2.14 |
| York | 42.3 | 35.3 | 36.7 | 35.4 | 2.28 |
| Loughborough | 41.7 | 32.2 | 36.3 | 35.1 | 2.24 |
| Ardrossan | 41.5 | 35.9 | 40.6 | 38.7 | 3.73 |
| Mullaghmore | 40.3 | 37.8 | 42.2 | 39.8 | 1.51 |
| Donaughadee | 45.8 | 36.2 | 40.2 | 39.3 | 2.84 |
| Holyhead | 46.4 | 39.1 | 42.8 | 41.1 | 3.82 |
| Liverpool | 43.5 | 35.6 | 38.5 | 37.1 | 2.59 |
| Parsonstown | 41.7 | 33.1 | 37.8 | 36.8 | 3.01 |
| Valencia | 42.7 | 40.9 | 44.6 | 42.4 | 5.89 |
| Roches Point | 47.9 | 35.9 | 42.9 | 41.5 | 4.95 |
| Pembroke | 46.8 | 40.3 | 43.6 | 42.2 | 3.99 |
| Sally | 49.5 | 43.4 | 47.0 | 45.1 | 4.02 |
| Praslee Point | 47.0 | 38.2 | 42.5 | 41.1 | 3.76 |
| Jersey | 47.3 | 39.3 | 43.1 | 41.4 | 3.82 |
| Hurst Castle | 45.6 | 36.2 | 40.6 | 39.8 | 2.73 |
| Dover | 44.3 | 35.9 | 41.8 | 38.6 | 3.00 |
| LONDON | 44.0 | 34.9 | 37.8 | 36.7 | 2.10 |
| Oxford | 42.9 | 35.5 | 37.0 | 35.9 | 2.10 |
| Cambridge | 42.8 | 31.6 | 36.2 | 35.8 | 1.88 |
| Yarmouth | 41.6 | 31.7 | 37.0 | 37.0 | 2.86 |

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



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.4 in: and more to 30.2 in: in an anticyclone covering France, Germany, and the greater part of England, as well as the Bay of Biscay and Spain.

Lowest, 29.5 in: and less, over the northwest of Norway, and 29.3 in: and less, off the northwest of Scotland.

Gradients slight in the south, moderate both over the North Sea and Ireland.

Barometer rising in the east, falling again rather decidedly in the northwest.

TEMPERATURE

Highest, 50° at Cherbourg, Jersey, and Valence Island, 49° at Scilly and Rock Point.

Lowest, 16° at Haparanda, 23° at Helsingfors, 30° at Stockholm, 34° at Cambridge, 39° at York.

After rising to between 50° and 55° over Ireland and England yesterday it fell fast during the night, and a sharp frost occurred on the grass on our eastern and S. Midland districts.

WIND

(1) Strong from W. and NW. on the eastern shores of the North Sea, S² light, over the Baltic.

(2) Variable from between SE. and SW. over England, SW⁴ to S⁴ and freshening over Ireland and the west of Scotland.

WEATHER

Fine and bright on the eastern shores of the North Sea, and fair as a whole over France and England — but with fog or haze in places and a good deal of cloud.

In Ireland and the west of Scotland it is cloudy or overcast again, and rain has recommenced at Valence Island.

SEA

Rather rough, and apparently rising, at Valence (Ireland) moderate to slight elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Another depression is approaching our northwestern coasts from the Atlantic, and will probably bring some strong winds to the western and northern districts and rain generally.

FORECASTS

For the 24 hours ending at NOON on 17th DEC^r 1892.

DISTRICTS.

FORECASTS.

| | | |
|---|------------------|---|
| 0 | SCOTLAND NORTH | SW ² winds, increasing in strength; fair to rainy, milder. |
| 1 | SCOTLAND EAST | |
| 2 | ENGLAND N.E. | Same as No. 5. |
| 3 | ENGLAND EAST | |
| 4 | MIDLAND COUNTIES | S ² winds, freshening; fair and hazy to rainy. |
| 5 | ENGLAND SOUTH | |



DISTRICTS.

FORECASTS.

| | | |
|----|---------------|---|
| 6 | SCOTLAND WEST | S ² or SW ² winds, becoming strong; rainy, mild, unsettled. |
| 7 | ENGLAND N.W. | |
| 8 | ENGLAND S.W. | |
| 9 | IRELAND NORTH | |
| 10 | IRELAND SOUTH | |

WARNINGS

NONE ISSUED.

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

YESTERDAY'S 2 P.M. REPORTS.

| | BAR. | THER. | | WIND. Direc. | F. | WEA. | SEA. | | BAR. | THER. | | WIND. Direc. | F. | WEA. | SEA. |
|-------------------|-------|-------|------|-----------------|----|------|------|--------------------|-------|-------|------|-----------------|----|------|------|
| | | Dry. | Wet. | | | | | | | Dry. | Wet. | | | | |
| Skudesnaes ... | 29.52 | 45 | 43 | W | 4 | 0 | 4 | Valencia ... | 30.12 | 53 | 53 | SW | 7 | odm | 6 |
| Sumburgh Head ... | 29.45 | 42 | 41 | W | 4 | 7 | 5 | Scilly ... | 30.24 | 52 | 51 | WSW | 5 | c | 3 |
| Sternoway ... | 29.64 | 43 | 42 | W | 4 | 6c | 4 | Jersey ... | 30.28 | 53 | 53 | W | 5 | ogm | 3 |
| Aberdeen ... | 29.69 | 41 | 38 | WSW | 2 | 6c | 2 | Hurst Castle ... | 30.14 | 50 | 48 | W | 6 | c | 4 |
| Shields ... | 29.78 | 44 | 43 | SW | 2 | 0 | 2 | Dungeness ... | 30.05 | 49 | 48 | W | 4 | c | 3 |
| Ardrossan ... | 29.84 | 47 | 46 | WNW | 4 | 6p | 3 | North Foreland ... | 29.96 | 53 | 53 | WNW | 5 | c | 2 |
| Malin Head ... | 29.89 | 46 | 45 | W | 4 | 0 | 3 | London ... | 30.04 | 55 | 50 | W | 2 | 6c | * |
| Mullaghmore ... | 29.99 | 47 | 45 | W | 4 | c | 4 | Yarmouth ... | 29.90 | 52 | 50 | W | 4 | 6c | 3 |
| Belmullet ... | 30.04 | 48 | 46 | WNW | 2 | 0 | * | Rochefort ... | 30.36 | 53 | 52 | W | 2 | f | * |
| Holyhead ... | 29.96 | 50 | 50 | WSW | 4 | ogm | 4 | | | | | | | | |

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

Weather dull in all but the southern countries, with mist or fog in many places, and with rain in the north of Ireland, the west of Norway, and several parts of France, Belgium, and Germany. Snow falling in Sweden, Poland, and Central Russia. Sky clearing later in many parts of the United Kingdom, but rain setting in at our western stations at night, and lightning seen at Aberdeen.

Temperature risen quickly in the southeast of England, as well as in Sweden, Belgium, and the northern parts of France, fallen in many other localities. Morning readings highest (1) 58° at Malta, 55° at Brindisi, and 53° at Palermo; (2) 54° at Jersey and Brest; above 50° over the southern parts of our islands generally. Lowest 10° at Archangel and Haparanda, 12° at Uleaborg, and 14° at Krasnoyarsk, St. Petersburg and Moscow; below the freezing point in most parts of Sweden, Russia, and Austria. Reaching 55° later at several of our own southern stations, but remaining below that point in the west of France. Reaching 57° at Liverpool, and 59° at Lisbon.

Wind SW^{ly} or W^{ly} in nearly all parts of western and central Europe; light or moderate in force generally, but strong at some of our own southwestern stations. Light from the SW^{ly} in Poland, and from the S^{ly} or SE^{ly} over Sweden and the Baltic. Light or moderate from the NE^{ly} over Spain, and from the NW^{ly} (NW to NE) in Italy; chiefly S^{ly} in Algeria. Subsequently veering to the NW^{ly} in many parts of Britain.

Barometer highest 30.4 ins. and upwards over Central Spain and the southern parts of France; 30.1 ins. and upwards in a large anticyclone covering nearly the whole of Central and southern Europe and extending northwards over the extreme south of England. Lowest 29.3 ins. and less, in a large depression lying off the west of Norway. Depression subsequently moving eastwards, and barometer rising in most of the western countries.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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

" Weekly " " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on Saturday, 17th December, 1892.

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

| STATIONS. | | YESTERDAY EVENING. (See note at bottom of last page.) | | | | | THIS MORNING. (See note at bottom of last page.) | | | | | | | | | | PAST 24 HOURS. | | | |
|---------------------|--------------------------------|--|-------|---|--------------|----------|---|---------------------------|---|--|--------------|--------------|--------------------------------------|------------------|----------|-------------|---------------------------|------------------------|------|------|
| | | Barom. | Temp. | Wind. | | Weather. | Barometer. | | Shade Temp. | | | Wind. | | Sea (0 to 9). | Weather. | Shade Temp. | | Amount of Rainfall. | | |
| | | | | Reading at 32° F. and Sea Level. | Dry Bulb. | | Direc. | Force (0 to 12). | Reading at 32° F. and Sea Level. | Change since Yester- day Morn. | Dry Bulb. | Wet Bulb. | Change in dry since Yesterday. | | | Direc. | Force (0 to 12). | | Max | Min. |
| Ins. | | ° | | | | Ins. | ° | ° | ° | | | | | | | ° | ins. | | | |
| SCANDINAVIA. | Haparanda ... | 29.76 | 17 | E | 2 | 0 | 29.76 | +16 | 17 | 17 | +1 | Z | 0 | 0 | # | 0 | 19 | 12 | 0.08 | |
| | Hernösand ... | 29.89 | 18 | Z | 0 | f | 29.69 | +13 | 28 | 27 | +5 | S | 2 | 0 | # | f | ? | 12 | | |
| | Stockholm ... | 29.91 | 22 | Z | 0 | 0 | 29.90 | +34 | 24 | 24 | -6 | S | 2 | f | # | 0 | 36 | 19 | | |
| | Wisby ... | 29.95 | 34 | N | 4 | 0 | 30.02 | +46 | 32 | 31 | -3 | SSW | 4 | 6 | # | 0 | 39 | 30 | | |
| | Bodö ... | 29.64 | 12 | E | 4 | b | 29.22 | -21 | 32 | 30 | +10 | E | 4 | 0 | 2 | 6 | ? | 17 | | |
| | Christiansund... | 29.73 | 40 | SE | 4 | 0 | 29.15 | -42 | 44 | 41 | +5 | HSW | 5 | 4 | 4 | 0 | 45 | 39 | 0.28 | |
| | Skudesnaes ... | 29.97 | 42 | S | 6 | T | 29.65 | -18 | 46 | 45 | +4 | HSW | 6 | 0 | 5 | 0.1 | ? | 42 | | |
| | Christiania Fjord (Færdler) | 29.97 | 38 | W | 4 | c | 29.64 | -01 | 42 | 42 | +4 | SSW | 6 | 0 | 5 | c | ? | 38 | | |
| | Skagen (The Seaw) | 30.02 | 37 | W | 2 | 0 | 29.81 | +13 | 41 | 40 | +2 | HSW | 4 | m | 2 | 0 | 41 | 36 | | |
| | Fanö ... | 30.13 | 40 | W | 3 | 0 | 29.98 | +03 | 42 | 42 | +2 | HSW | 6 | 0 | # | 0 | 43 | 39 | | |
| BRITISH ISLANDS. | Sumburgh Head | 29.60 | 44 | S | 4 | T | 29.38 | -53 | 46 | 43 | +5 | W | 7 | 0 | 6 | 0.1 | 46 | 41 | 0.10 | |
| | Stornoway ... | 29.54 | 49 | W | 7 | T | 29.71 | -17 | 45 | 45 | 0 | W | 7 | 1 | 6 | T | 50 | 42 | 0.20 | |
| | Wick ... | 29.62 | 45 | S | 4 | 0 | 29.63 | -30 | 45 | 43 | +5 | NW | 4 | bcu | 3 | 0 | 49 | 37 | | |
| | Nairn ... | 29.64 | 48 | SW | 3 | T | 29.74 | -25 | 48 | 48 | +7 | W | 5 | bc | 1 | T | 50 | 37 | 0.06 | |
| | Aberdeen ... | 29.83 | 43 | S | 3 | og | 29.82 | -24 | 46 | 41 | +7 | HSW | 3 | bc | 3 | og | 52 | 37 | | |
| | Leith ... | 29.90 | 47 | W | 3 | 0 | 29.90 | -22 | 48 | 45 | +5 | SW | 6 | bc | # | 0 | 52 | 37 | 0.02 | |
| | Shields ... | 30.01 | 49 | SSW | 4 | c | 30.01 | -17 | 50 | 49 | +10 | SSW | 2 | 0 | 2 | f.o.c | 50 | 38 | | |
| | Spurn Head ... | 30.15 | 44 | SSW | 4 | c | 30.16 | -11 | 45 | 45 | +7 | SW | 3 | c | 2 | c | 46 | 38 | | |
| | York ... | 30.16 | 47 | SSW | 2 | 0 | 30.16 | -10 | 49 | 48 | +10 | SW | 3 | 0 | # | 0 | 49 | 38 | | |
| | Loughborough | 30.24 | 47 | SSW | 3 | 0 | 30.23 | -09 | 47 | 45 | +12 | SW | 3 | c | # | 0 | 47 | 33 | 0.01 | |
| BRITISH ISLANDS. | Ardrossan ... | 29.92 | 47 | S | 4 | 0 | 30.00 | -11 | 47 | 47 | +4 | HSW | 3 | bc | 2 | 0 | 49 | 40 | 0.15 | |
| | Malin Head ... | 29.77 | 50 | S | 7 | OT | 29.97 | -01 | 47 | 46 | +2 | SW | 3 | bcu | 5 | 0.1 | 50 | 45 | 0.08 | |
| | Mullaghmore ... | 29.90 | 51 | SW | 7 | OTm | 30.03 | +01 | 49 | 47 | -1 | SE | 3 | 0 | 4 | og.m | 51 | 47 | 0.12 | |
| | Belmullet ... | 29.88 | 51 | SW | 8 | 0 | 30.04 | +05 | 48 | 47 | 0 | SW | 3 | 0 | # | 0 | 52 | 47 | 0.09 | |
| | Donaghadee ... | 30.00 | 48 | SSW | 4 | c | 30.07 | -04 | 48 | 48 | +2 | HSW | 5 | c | 3 | c | 49 | 46 | 0.05 | |
| | Liverpool (Bidston) | 30.21 | 50 | SSW | 3 | bc | 30.16 | -10 | 49 | 47 | +10 | SW | 5 | c | 4 | bc | 50 | 39 | | |
| | Holyhead ... | 30.15 | 48 | SW | 5 | ogm | 30.16 | -06 | 49 | 49 | +2 | SW | 5 | mgq | 4 | bc,ogm | 50 | 46 | 0.03 | |
| | Parsonstown ... | 30.06 | 50 | SW | 1 | 0 | 30.12 | -02 | 52 | 51 | +4 | SW | 1 | og | # | c,0 | 52 | 46 | | |
| | Valencia ... | 30.10 | 52 | S | 8 | adm | 30.17 | -00 | 51 | 50 | +1 | S | 4 | ogm | 4 | ogm,d | 52 | 49 | 0.10 | |
| | Roche's Point | 30.17 | 49 | HSW | 5 | c | 30.18 | -04 | 50 | 50 | +1 | HSW | 5 | 4 | 4 | c,m | 50 | 48 | 0.05 | |
| BRITISH ISLANDS. | Pembroke (St. Ann's Hd.) | 30.23 | 48 | SW | 4 | bc | 30.26 | -03 | 49 | 49 | 0 | SW | 4 | og | 5 | bc | 50 | 48 | 0.07 | |
| | Scilly ... | 30.29 | 49 | SW | 4 | bcpm | 30.31 | -03 | 50 | 49 | +1 | SSW | 3 | 0 | 4 | cpm,p | 52 | 47 | 0.01 | |
| | Prawle Point ... | 30.35 | 48 | SW | 4 | c | 30.35 | -04 | 47 | 47 | -1 | SW | 3 | og | 3 | ofr | 50 | 47 | 0.09 | |
| | Jersey (St. Aubin's) | 30.46 | 49 | NHE | 2 | 0 | 30.42 | -03 | 48 | 45 | -2 | HSW | 2 | 0 | 2 | og,0 | 50 | 47 | | |
| | Hurst Castle ... | 30.37 | 48 | SW | 5 | 0 | 30.35 | -02 | 48 | 48 | 0 | HSW | 2 | fd | 4 | ogd | 50 | 48 | 0.05 | |
| | Dungeness ... | 30.35 | 48 | HSW | 4 | 0 | 30.34 | -04 | 48 | 47 | +7 | W | 5 | c | 4 | omd | 50 | 40 | 0.02 | |
| | North Foreland | 30.34 | 49 | S | 3 | 0 | 30.33 | -02 | 48 | 45 | +6 | SW | 1 | 0 | 2 | 0 | 49 | 40 | | |
| | London ... | 30.33 | 49 | SW | 3 | 0 | 30.32 | -04 | 48 | 46 | +7 | SW | 3 | 0 | # | bc,0 | 53 | 40 | | |
| | Oxford ... | 30.30 | 48 | SW | 2 | 0 | 30.30 | -06 | 47 | 45 | +4 | SW | 3 | og | # | 0 | 50 | 43 | | |
| | Cambridge ... | 30.28 | 48 | SW | 2 | 0 | 30.28 | -08 | 48 | 46 | +14 | SW | 1 | 0 | # | 0 | 49 | 34 | | |
| BRITISH ISLANDS. | Yarmouth ... | 30.26 | 46 | SW | 3 | cm | 30.21 | -10 | 45 | 44 | +8 | HSW | 5 | bc | 3 | bc,m | 46 | 35 | | |
| | Cuxhaven ... | 30.28 | 42 | W | 3 | 0 | 30.17 | +07 | 43 | 42 | +2 | HSW | 6 | 0 | # | 0 | 43 | 41 | 0.02 | |
| | Berlin ... | 30.28 | 42 | NW | 3 | 0 | 30.30 | ? | 36 | 35 | -5 | HSW | 3 | 4 | # | 0 | 43 | 34 | | |
| | Wiesbaden ... | * | # | # | # | # | 30.48 | +12 | 33 | 33 | -11 | Z | 0 | f | # | # | 48 | 32 | | |
| | Munich ... | 30.31 | 36 | SW | 3 | b | 30.50 | +18 | 28 | 28 | -14 | SSW | 2 | 6 | # | b | 45 | 27 | | |
| | The Helder ... | 30.31 | 44 | SW | 5 | 0 | 30.25 | -03 | 46 | 45 | +2 | SW | 5 | c | 3 | 0 | 46 | 41 | | |
| | Brussels (9 a.m.) | * | # | # | # | # | 30.40 | +08 | 44 | 42 | +6 | SW | 4 | 0 | # | 4 | 46 | 37 | 0.04 | |
| | Cape Gris Nez | 30.25 | 50 | SW | 5 | m | ? | ? | 47 | 45 | +2 | SW | 5 | 0 | 5 | m | 50 | 41 | 0.04 | |
| | Paris ... | 30.48 | 48 | SW | 2 | 0 | 30.46 | +02 | 41 | 40 | -6 | NW | 2 | c | # | 0 | 50 | 41 | 0.04 | |
| | Brest ... | ? | 49 | S | 3 | f | ? | ? | 51 | 49 | +1 | SW | 3 | 0 | 3 | f | 54 | 48 | | |
| FRANCE AND BELGIUM. | Lorient ... | 30.43 | 49 | SSE | 3 | c | 30.40 | -05 | 48 | 45 | +1 | ESE | 2 | 0 | 2 | c | 55 | 46 | | |
| | Rocheport ... | 30.41 | 47 | ESE | 3 | bc | 30.36 | -08 | 39 | 39 | -8 | E | 3 | 6 | # | m.bc | 50 | 37 | | |
| | Belfort ... | ? | 36 | E | 2 | b | ? | ? | 38 | 36 | | E | 3 | 5 | # | b | 46 | 33 | | |
| | Lyons ... | 30.47 | 43 | N | 3 | c | 30.52 | ? | 33 | 33 | -9 | N | 1 | 6 | # | c | 48 | 33 | | |
| | Nice ... | 30.28 | 46 | E | 1 | b | 30.41 | +24 | 46 | 40 | +2 | E | 1 | 6 | 1 | b | 54 | 41 | | |
| | Perpignan ... | 30.31 | 50 | N | 2 | b | 30.39 | +11 | 34 | 33 | -15 | SW | 2 | 6 | # | b | 60 | 32 | | |
| | Biarritz ... | | | | | | | | | | | | | | | | | | | |
| | Corunna ... | 30.27 | # | # | # | # | 30.31 | +01 | 45 | 42 | +2 | NHE | 4 | 6 | # | b | 57 | 43 | | |
| | Lisbon ... | | | | | | | | | | | | | | | | | | | |

For Explanation of Columns, see bottom of last page.

† Received too late for insertion in Charts on next page.

WEATHER CHARTS

for 8 a.m. on Saturday, 17th Dec: 1892.

BAROMETER, WIND AND SEA.

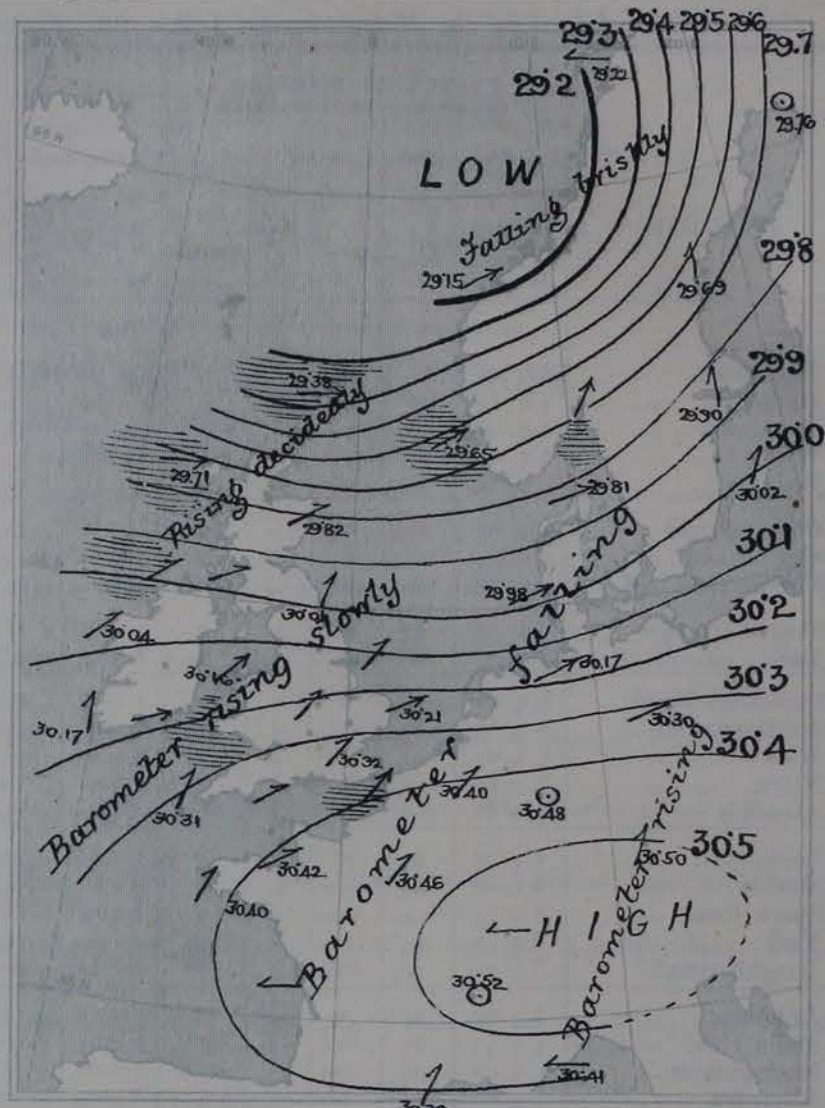
EXPLANATION OF MAP

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

MEAN HEIGHT OF THE BAROMETER

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

| STATIONS. | MEAN READINGS. |
|---------------|----------------|
| Sumburgh Head | 29.673 |
| Stornoway | 29.703 |
| Wick | 29.713 |
| Nairn | 29.713 |
| Aberdeen | 29.707 |
| Leith | 29.807 |
| Shields | 29.843 |
| Spurn Head | 29.873 |
| York | 29.800 |
| Loughborough | 29.921 |
| Androsan | 29.820 |
| Mullaglinore | 29.821 |
| Donaghadee | 29.818 |
| Holyhead | 29.879 |
| Liverpool | 29.885 |
| Parsonstown | 29.901 |
| Valencia | 29.903 |
| Roche's Point | 29.912 |
| Pembroke | 29.916 |
| Sally | 29.931 |
| Praxle Point | 29.970 |
| Jersey | 29.985 |
| Hurst Castle | 29.934 |
| Dover | 29.953 |
| LONDON | 29.951 |
| Oxford | 29.955 |
| Cambridge | 29.941 |
| Yarmouth | 29.910 |



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

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

WEATHER—is shown by letters of the Beaufort Scale.

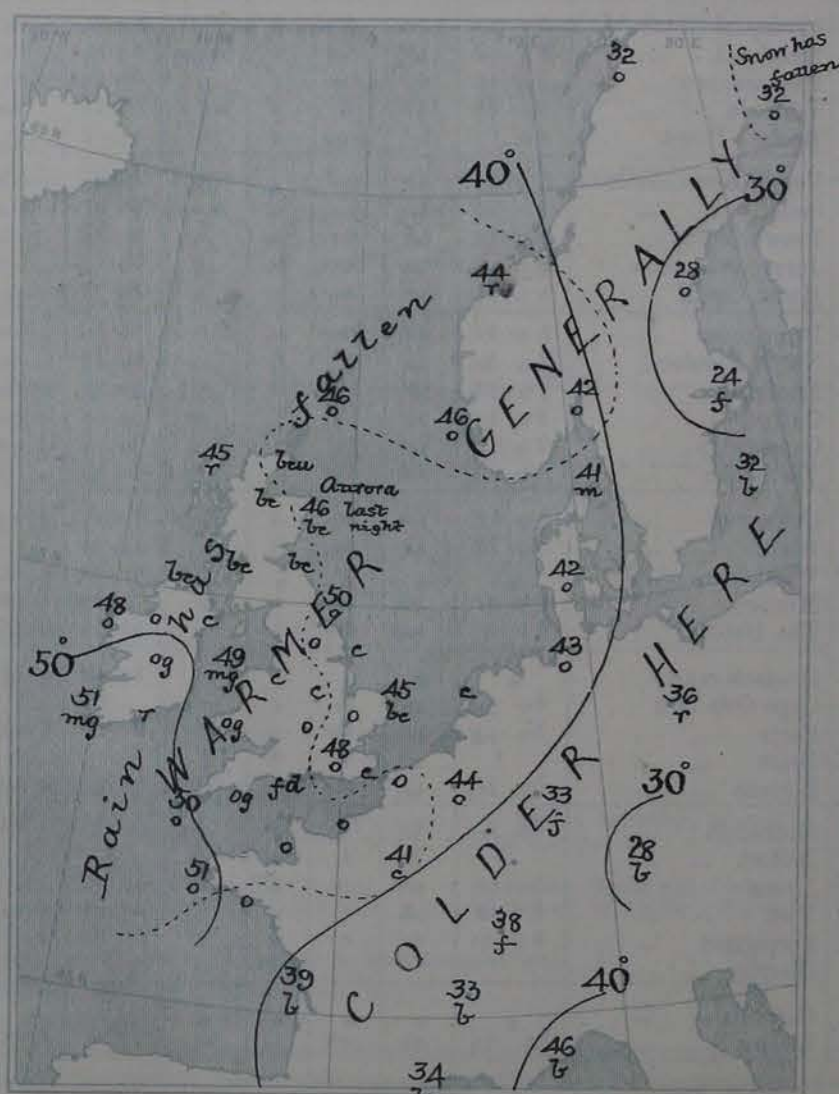
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of December.)

| STATIONS. | TEMPERATURE. | | | | RAINFALL Inches. |
|---------------|--------------|---------------|-------------|---------------|---------------------|
| | Day Max. | Night Min. | Day Avg. | Night Avg. | |
| Sumburgh Head | 42.8 | 35.2 | 39.0 | 38.1 | 4.25 |
| Stornoway | 43.1 | 34.2 | 39.4 | 38.5 | 6.63 |
| Wick | 42.2 | 32.7 | 38.1 | 36.8 | 3.19 |
| Nairn | 41.0 | 32.8 | 37.1 | 35.6 | 1.95 |
| Aberdeen | 41.0 | 32.6 | 36.9 | 35.2 | 3.24 |
| Leith | 41.0 | 33.7 | 38.5 | 37.0 | 1.84 |
| Shields | 42.9 | 33.9 | 38.3 | 36.9 | 2.37 |
| Spurn Head | 42.4 | 35.3 | 38.8 | 37.7 | 2.14 |
| York | 42.3 | 32.3 | 36.4 | 35.4 | 2.28 |
| Loughborough | 42.7 | 32.2 | 36.9 | 35.4 | 2.51 |
| Androsan | 43.5 | 35.0 | 40.0 | 38.7 | 3.78 |
| Mullaglinore | 40.6 | 37.8 | 42.2 | 39.8 | 1.51 |
| Donaghadee | 45.8 | 46.2 | 46.2 | 46.3 | 2.81 |
| Holyhead | 40.4 | 39.1 | 42.8 | 41.1 | 3.82 |
| Liverpool | 43.3 | 35.0 | 38.8 | 37.1 | 2.59 |
| Parsonstown | 41.7 | 33.1 | 37.8 | 36.6 | 3.01 |
| Valencia | 40.7 | 40.0 | 44.0 | 42.4 | 5.99 |
| Roche's Point | 47.9 | 38.3 | 42.9 | 41.5 | 4.95 |
| Pembroke | 46.5 | 40.3 | 43.6 | 42.2 | 3.94 |
| Sally | 49.5 | 43.1 | 47.0 | 45.1 | 1.92 |
| Praxle Point | 47.0 | 38.2 | 42.3 | 41.1 | 3.76 |
| Jersey | 47.3 | 39.1 | 43.1 | 41.4 | 3.82 |
| Hurst Castle | 43.6 | 36.3 | 40.6 | 39.8 | 2.73 |
| Dover | 41.3 | 35.2 | 38.8 | 38.6 | 3.00 |
| LONDON | 44.0 | 34.9 | 37.5 | 36.7 | 2.10 |
| Oxford | 42.9 | 33.5 | 37.0 | 35.9 | 2.10 |
| Cambridge | 42.8 | 34.6 | 38.2 | 35.5 | 1.88 |
| Yarmouth | 41.0 | 31.7 | 37.9 | 37.0 | 2.86 |

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



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.5 in. and more, to 30.3 in. over the Spanish Peninsula, the Bay of Biscay, France, Germany, and the southern counties of England.
 Lowest, 29.2 in. and less, over the northwest of Norway, 29.4 in. and less, in the Shetland Islands.

Gradients slight over France, moderate over Ireland and England, steep over Scotland and Norway.

Barometer rising decidedly in Scotland, less decidedly over Ireland, and showed some tendency to fall again at Valencia.

TEMPERATURE

Highest, 50° to 51° at the mouth of the Channel, and in the south of Ireland, 50° at Shields.

Lowest, 17° at Haparanda, 24° at Stockholm, 28° at Munich, 33° at Wiesbaden.

It is above 45° in all parts of our Islands. The maxima recorded yesterday exceeded 50° in nearly all parts of our Islands.

WIND

E³ at Bodø, S³ in Sweden, SW³ strong, in Norway; W³, strong and equally at many of our northern stations; SW³ to S³ over England and Ireland, moderate to fresh in force; SE² and E², light, over the Bay of Biscay.

A strong gale from NW. is reported to have occurred over Caithness in the night, and a fresh gale from SW. in the northwest of Ireland.

WEATHER

Dull and rainy in Norway and also in the south of Ireland, changeable and unsettled-looking over the United Kingdom as a whole, very fine over the south parts of France.

A little rain has fallen at most of our western and some northern stations. Aurora was seen at Aberdeen last night.

SEA

Rough in the north and extreme west, moderate to slight elsewhere. A heavy "ground swell" is reported off the north and northwest of Ireland.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Further disturbances are likely to reach our western coast soon.

FORECASTS

For the 24 hours ending at NOON on 18th DEC^r 1892.

DISTRICTS.

FORECASTS.

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

Wind backing to S² again, force uncertain at present; changeable, showery, squally.

Same as N° 5.

SW³ to S³ winds, freshening; fair, mild, perhaps less fair tomorrow.

DISTRICTS.

FORECASTS.

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

Same as N°s 0 and 1.

S² winds, increasing in strength; cloudy, squally, showery.

At 3.40 pm yesterday to districts 0, 6, 9, 10, and part of 1, and at 7.15 pm to district 7 and part of 8. HOIST SOUTH CONE.

WARNINGS

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

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

YESTERDAY'S 2 P.M. REPORTS.

| | BAR. | THER. | | WIND. Direc. | P. | WEA. | SEA. | | BAR. | | THER. | | WIND. Direc. | P. | WEA. | SEA. |
|-------------------|-------|-------|------|-----------------|----|-------|------|--------------------|-------|--|-------|------|-----------------|----|---------|------|
| | | Dry. | Wet. | | | | | | | | Dry. | Wet. | | | | |
| Skudesnaes ... | 30.01 | 41 | 39 | 2 | 0 | 0 | 3 | Valencia ... | 30.14 | | 51 | 51 | S | 5 | o g d m | 5 |
| Sumburgh Head ... | 29.82 | 43 | 42 | S | 2 | 0 | 4 | Scilly ... | 30.32 | | 51 | 51 | SSW | 4 | c p m | 4 |
| Stornoway ... | 29.64 | 46 | 46 | SW | 8 | 7 | 6 | Jersey ... | 30.46 | | 49 | 47 | SW | 2 | 0 | 2 |
| Aberdeen ... | 29.94 | 41 | 39 | SSW | 3 | 0 | 2 | Hurst Castle ... | 30.39 | | 49 | 47 | WSW | 4 | o g | 4 |
| Shields ... | 30.11 | 43 | 42 | SSW | 2 | 0 | 2 | Dungeness ... | 30.35 | | 49 | 49 | WSW | 3 | m d | 3 |
| Ardrossan ... | 29.99 | 49 | 48 | S | 3 | 0 | 3 | North Foreland ... | 30.32 | | 49 | 47 | S | 2 | 0 | 2 |
| Malin Head ... | 29.86 | 48 | 47 | S | 5 | 0 | 3 | London ... | 30.31 | | 53 | 50 | SSW | 2 | o g | * |
| Mullaghmore ... | 29.95 | 50 | 49 | SSW | 6 | 0 | 4 | Yarmouth ... | 30.30 | | 43 | 42 | SW | 3 | b c m | 3 |
| Belmullet ... | 29.90 | 51 | 50 | SW | 6 | 0 | * | Rochefort ... | 30.44 | | 50 | 50 | ESE | 2 | m | * |
| Holyhead ... | 30.16 | 49 | 48 | SW | 5 | b c g | 4 | | | | | | | | | |

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

Weather fine over the eastern and southeastern parts of Great Britain, as well as in Denmark, the Netherlands, Spain, and the extreme south of France. Dull in all other parts of Europe, with mist at several of our western and southern stations, fog in Sweden, and snow at Haparanda, Christiansund, Archangel, St. Petersburg, and Leningrad. A little rain falling later at most of our western and extreme northern stations; weather becoming dull in the east and southeast. Aurora seen at Aberdeen.

Temperatures fallen quickly over England, changed little and irregularly elsewhere. Morning readings highest 61° at Malta, 54° at Langunais, 53° at San Fernando and Algiers; reaching 50° at some of our own extreme western and southern stations. Lowest 12° at Moscow, 16° at Haparanda, and 17° at St. Petersburg, below the freezing point over Russia and Sweden generally, and very little above it at some of the inland English stations. Rising during day to 50° or a little above it in most parts of the United Kingdom and France, and reaching 60° at Haparanda.

Wind light to moderate from the SWnd over the greater part of our Islands; strong from the Wnd or NWnd on the eastern shores of the North Sea, and moderate from the same quarters in Germany. Light S^{ly} or SE^{ly} over Finland and the Baltic Provinces; SW^{ly} in Austria and the south of Russia; N^{ly} or NW^{ly} in Italy; NE^{ly} in Spain; SE^{ly} in Algeria. Subsequently increasing to a moderate or fresh gale from the SWnd on our extreme northwestern coasts, and freshening in most parts of the Kingdom.

Barometer highest, 30.3 ins. to 30.5 ins. in an anticyclone covering England, France, Spain and Northern Germany. Lowest, 29.5 ins. and less, in a shallow depression lying over the west of Norway, 29.6 ins. and less, in a trough extending southeastwards over Sweden and the Baltic; 29.9 ins. and less, in a disturbance lying to the northwestward of our Islands. Latter system subsequently moving eastwards and barometer falling quickly on our extreme north and northwest coasts.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

* AN ASTERISK is inserted in all places for which information is not usually received.
N.B.—The morning observations are made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, 7 a.m. in France, Spain and Portugal, and 9 a.m. in Belgium. The evening observations are made at 6 p.m. in the British Islands (as a rule), and France, 8 p.m. at Oxford, in Sweden, Norway, and Germany, and 9 p.m. in Belgium. The time at each Station is the Standard Time of its Country.

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

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

" Weekly " " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on Sunday 18th Dec^r. 1892.

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

| STATIONS. | | YESTERDAY EVENING. (See note at bottom of last page.) | | | | | THIS MORNING. (See note at bottom of last page.) | | | | | | | | | | PAST 24 HOURS. | | | | |
|---------------------|--------------------------------|--|-------|---|--------------|----------|---|---------------------------|---|--|--------------|--------------|--------------------------------------|------------------|-------------|---------------------------|----------------|------------------------|------|------|--|
| | | BAROM. | TEMP. | WIND. | | Weather. | BAROMETER. | | SHADE TEMP. | | | WIND. | | Sea (0 to 9). | SHADE TEMP. | | | Amount of Rainfall. | | | |
| | | | | Reading at 32° F. and Sea Level. | Dry Bulb. | | Dir. | Force (0 to 12). | Reading at 32° F. and Sea Level. | Change since Yester- day Morn. | Dry Bulb. | Wet Bulb. | Change in dry since Yesterday. | | Dir. | Force (0 to 12). | Weather. | | Max. | Min. | |
| | | Inch. | ° | | | | Inch. | ° | ° | ° | | | | | | ° | ° | in. | | | |
| SCANDINAVIA. | Haparanda ... | 29.26 | 30 | S | 6 | S | 29.07 | — .69 | 32 | 32 | + | 15 | S | 2 | 0 | # | ? | 14 | 0.20 | | |
| | Hernösand ... | 29.30 | 31 | Z | 0 | 0 | 29.43 | — .26 | 34 | 30 | + | 6 | S | 2 | 0 | # | ? | 10 | 0.28 | | |
| | Stockholm ... | 29.45 | 39 | W | 6 | 6 | 29.60 | — .30 | 38 | 34 | + | 14 | W | 4 | 0 | # | 41 | 19 | 0.08 | | |
| | Wisby ... | 29.62 | 41 | S | 8 | 6 | 29.76 | — .26 | 40 | 38 | + | 8 | WNW | 6 | 0 | # | 43 | 28 | 0.08 | | |
| | Bodö ... | 28.75 | 32 | E | 8 | S | 28.69 | — .53 | 39 | 38 | + | 7 | WSW | 8 | r | 5 | 32 | 30 | 0.51 | | |
| | Christiansund... | 29.36 | 42 | W | 5 | r | 29.17 | — .02 | 38 | 36 | — | 6 | E | 4 | 6 | 7 | 46 | 37 | 0.35 | | |
| | Skudesnaes ... | 29.88 | 45 | WSW | 5 | 0 | 29.47 | — .18 | 48 | 46 | + | 2 | WSW | 8 | 0 | 6 | ? | 43 | — | | |
| | Christiania Fjord (Fierder) | 29.65 | 42 | SSW | 4 | 6 | 29.57 | — .07 | 43 | 42 | + | 1 | SSW | 5 | 0 | 4 | 43 | ? | — | | |
| | Skagen (The Seaw) | 29.87 | 41 | W | 5 | 6 | 29.72 | — .09 | 42 | 42 | + | 1 | SW | 4 | r | 2 | 43 | 41 | 0.04 | | |
| | Fanö ... | 30.09 | 41 | W | 4 | c | 29.93 | — .05 | 43 | 42 | + | 1 | W | 6 | 0 | # | 45 | 41 | 0.04 | | |
| ISLANDS | Sumburgh Head | 29.73 | 45 | WNW | 3 | 6c | 29.05 | — .33 | 47 | 45 | + | 1 | W | 10 | 0 | 9 | 50 | 43 | 0.07 | | |
| | Stornoway ... | 29.76 | 45 | SW | 3 | 0 | 29.46 | — .25 | 49 | 49 | + | 14 | W | 8 | r | 6 | 53 | 40 | 0.04 | | |
| | Wick ... | 29.85 | 44 | S | 5 | 0 | 29.36 | — .27 | 48 | 44 | + | 3 | W | 9 | bcu | 7 | 52 | 40 | — | | |
| | Nairn ... | 29.84 | 45 | Z | 0 | 0 | 29.55 | — .19 | 50 | 50 | + | 2 | W | 6 | c | 2 | 56 | 40 | — | | |
| | Aberdeen ... | 29.94 | 45 | SSW | 3 | 0 | 29.58 | — .24 | 49 | 42 | + | 3 | WSW | 7 | bcy | 4 | 52 | 44 | — | | |
| | Leith ... | 29.98 | 49 | SW | 2 | 0 | 29.80 | — .10 | 52 | 49 | + | 4 | WSW | 6 | c | # | 55 | 45 | 0.01 | | |
| | Shields ... | 30.08 | 49 | SSW | 3 | 0 | 29.95 | — .06 | 53 | 50 | + | 5 | SW | 5 | 0 | 2 | 53 | 48 | — | | |
| | Spurn Head ... | 30.20 | 47 | SSW | 3 | 0 | 30.06 | — .10 | 46 | 45 | + | 1 | SW | 4 | c | 3 | 49 | 43 | — | | |
| | York ... | 30.19 | 51 | S | 2 | 0 | 30.02 | — .14 | 50 | 48 | + | 1 | SSW | 3 | 0 | # | 52 | 46 | — | | |
| | Loughborough | 30.26 | 48 | WSW | 2 | 0 | 30.17 | — .06 | 48 | 46 | + | 1 | WSW | 3 | c | # | 50 | 46 | — | | |
| BRITISH | Ardrossan ... | 30.00 | 48 | SSW | 4 | 0 | 29.86 | — .14 | 49 | 47 | + | 2 | WSW | 4 | 0 | 3 | 50 | 43 | 0.03 | | |
| | Malin Head ... | 29.87 | 50 | SSW | 5 | 0 | 29.88 | — .09 | 48 | 46 | + | 1 | W | 5 | om | 4 | 53 | 47 | 0.02 | | |
| | Mullaghmore ... | 29.96 | 52 | SSW | 7 | 0 | 30.00 | — .03 | 50 | 48 | + | 1 | WSW | 5 | om | 4 | 54 | 48 | 0.02 | | |
| | Belmullet ... | 29.93 | 50 | SW | 6 | 0 | 30.03 | — .01 | 48 | 46 | + | 0 | SW | 3 | c | # | 51 | 47 | 0.08 | | |
| | Donaghadee ... | 30.05 | 52 | S | 4 | 0 | 29.97 | — .10 | 54 | 54 | + | 6 | SW | 4 | 0 | 2 | 54 | 47 | 0.02 | | |
| | Liverpool (Bidston) | 30.18 | 50 | SSW | 2 | 0 | 30.11 | — .05 | 50 | 48 | + | 1 | SW | 5 | c | 4 | 53 | 49 | — | | |
| | Holyhead ... | 30.19 | 49 | SW | 4 | 0 | 30.11 | — .05 | 50 | 50 | + | 1 | SW | 5 | og | 4 | 50 | 48 | 0.01 | | |
| | Parsonstown ... | 30.09 | 50 | SW | 1 | 0 | 30.10 | — .02 | 52 | 51 | + | 0 | SW | 2 | og | # | 54 | 49 | — | | |
| | Valencia ... | 30.15 | 52 | S | 4 | 0 | 30.18 | — .01 | 53 | 53 | + | 2 | S | 4 | omd | 4 | 53 | 50 | 0.06 | | |
| | Roche's Point | 30.19 | 50 | WSW | 5 | r | 30.21 | — .03 | 52 | 51 | + | 2 | WSW | 4 | 0 | 4 | 52 | 49 | 0.05 | | |
| GERMANY & HOLLAND | Pembroke (St. Ann's Hd.) | 30.26 | 49 | SW | 4 | 0 | 30.23 | — .03 | 49 | 49 | + | 0 | SW | 5 | og | 5 | 50 | 48 | 0.02 | | |
| | Scilly ... | 30.31 | 51 | SSW | 4 | 0 | 30.31 | — .00 | 51 | 49 | + | 1 | SSW | 4 | 0 | 4 | 52 | 48 | — | | |
| | Prawle Point ... | 30.35 | 48 | WSW | 3 | 0 | 30.33 | — .02 | 47 | 47 | + | 0 | WSW | 3 | og | 2 | 49 | 47 | — | | |
| | Jersey (St. Aubin's) | 30.43 | 48 | SSW | 2 | 0 | 30.41 | — .01 | 45 | 42 | — | 3 | SW | 2 | om | 2 | 50 | 43 | — | | |
| | Hurst Castle ... | 30.37 | 49 | WSW | 5 | c | 30.34 | — .01 | 48 | 47 | + | 0 | W | 6 | c | 4 | 50 | 47 | 0.01 | | |
| | Dungeness ... | 30.35 | 48 | WSW | 4 | 0 | 30.30 | — .04 | 48 | 46 | + | 0 | W | 6 | 0 | 5 | 50 | 46 | — | | |
| | North Foreland | 30.33 | 49 | W | 2 | 0 | 30.28 | — .05 | 47 | 45 | — | 1 | SW | 2 | 0 | 3 | 50 | 46 | — | | |
| | London ... | 30.34 | 48 | SW | 3 | 0 | 30.29 | — .03 | 47 | 45 | — | 1 | WSW | 3 | 0 | # | 50 | 46 | — | | |
| | Oxford ... | 30.33 | 47 | SW | 1 | 0 | 30.27 | — .03 | 48 | 45 | + | 1 | SW | 2 | 0 | # | 49 | 47 | — | | |
| | Cambridge ... | 30.30 | 48 | SW | 2 | 0 | 30.20 | — .08 | 48 | 46 | + | 0 | SW | 4 | 0 | # | 50 | 45 | — | | |
| FRANCE AND BELGIUM. | Yarmouth ... | 30.26 | 47 | W | 4 | c | 30.15 | — .06 | 46 | 45 | + | 1 | W | 5 | bc | 3 | 49 | 44 | — | | |
| | Cuxhaven ... | 30.23 | 43 | W | 5 | 0 | 30.13 | — .04 | 44 | 43 | + | 1 | WSW | 5 | f | # | 45 | 42 | — | | |
| | Berlin ... | 30.25 | 43 | W | 2 | r | 30.11 | — .19 | 43 | 42 | + | 7 | WNW | 4 | 0 | # | 43 | 36 | 0.04 | | |
| | Wiesbaden ... | # | # | # | # | # | 30.42 | — .06 | 35 | 34 | + | 2 | NNW | 2 | 0 | # | ? | 31 | — | | |
| | Munich ... | 30.49 | 30 | W | 1 | 6 | 30.46 | — .04 | 27 | 26 | — | 1 | W | 1 | 6 | # | 41 | 25 | — | | |
| | The Helder ... | 30.30 | 46 | SW | 4 | c | 30.18 | — .07 | 45 | 44 | — | 1 | SW | 6 | c | 4 | 46 | 45 | — | | |
| | Brussels (9 a.m.) | # | # | # | # | # | ? | ? | 47 | 45 | + | 0 | WSW | 5 | 0 | 5 | 50 | 43 | — | | |
| | Cape Gris Nez | 30.25 | 46 | SW | 5 | 0 | 30.25 | — .01 | 31 | 31 | — | 10 | S | 2 | f | # | 46 | 30 | — | | |
| | Paris ... | 30.46 | 37 | ESE | 1 | 6 | 30.45 | — .01 | 46 | 45 | — | 5 | S | 3 | 0 | 3 | 52 | 45 | — | | |
| | Brest ... | ? | 50 | SW | 3 | 0 | ? | ? | 41 | 41 | — | 7 | ENE | 3 | 0 | 3 | 52 | 41 | — | | |
| PENIN- SULA. | Lorient ... | 30.40 | 44 | ENE | 3 | 0 | 30.39 | — .01 | 41 | 41 | — | 7 | ENE | 3 | 0 | 3 | 52 | 41 | — | | |
| | Rochefort ... | 30.36 | 42 | ESE | 2 | 6 | 30.37 | — .01 | 40 | 39 | + | 1 | ESE | 3 | m | # | 48 | 36 | — | | |
| | Belfort ... | ? | ? | ? | ? | ? | ? | ? | ? | ? | ? | ? | ? | ? | ? | ? | ? | ? | ? | | |
| | Lyons ... | 30.55 | 34 | N | 1 | f | 30.55 | — .03 | 26 | 26 | — | 7 | W | 1 | f | # | 38 | 25 | — | | |
| | Nice ... | 30.45 | 48 | ENE | 2 | 6 | 30.47 | — .06 | 48 | 46 | + | 2 | SE | 1 | 6 | # | 57 | 41 | — | | |
| | Perpignan ... | 30.47 | 47 | SW | 1 | 0 | 30.47 | — .08 | 44 | 43 | + | 10 | SW | 1 | 0 | # | 50 | 34 | — | | |
| | Biarritz ... | 30.32 | 37 | E | 3 | m | 30.30 | — .08 | 40 | 36 | + | 10 | SSE | 4 | 6 | 2 | 48 | 30 | — | | |
| | Corunna ... | # | # | # | # | # | ? | ? | ? | ? | ? | ? | ? | ? | ? | ? | ? | ? | ? | | |
| | Lisbon ... | 30.24 | 53 | NNW | 3 | 6 | 30.23 | — .08 | 46 | 42 | + | 1 | NNE | 5 | 6 | # | 59 | 43 | — | | |

For Explanation of Columns, see bottom of last page.

† Received too late for insertion in Charts on next page.

WEATHER CHARTS

for 8 a.m. on Sunday, 18th Dec^r 1892.

BAROMETER, WIND AND SEA.

EXPLANATION OF MAP.

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

Changes since previous morning are stated in words.

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

their bars and feathers refer to force thus—

— forces above 10 — forces 8 to 10;

— forces 5 to 7 — forces 1 to 4

— dead calm.

SEA DISTURBANCE—Where considerable, as shown thus—

— Rough — High.

MEAN HEIGHT OF THE BAROMETER

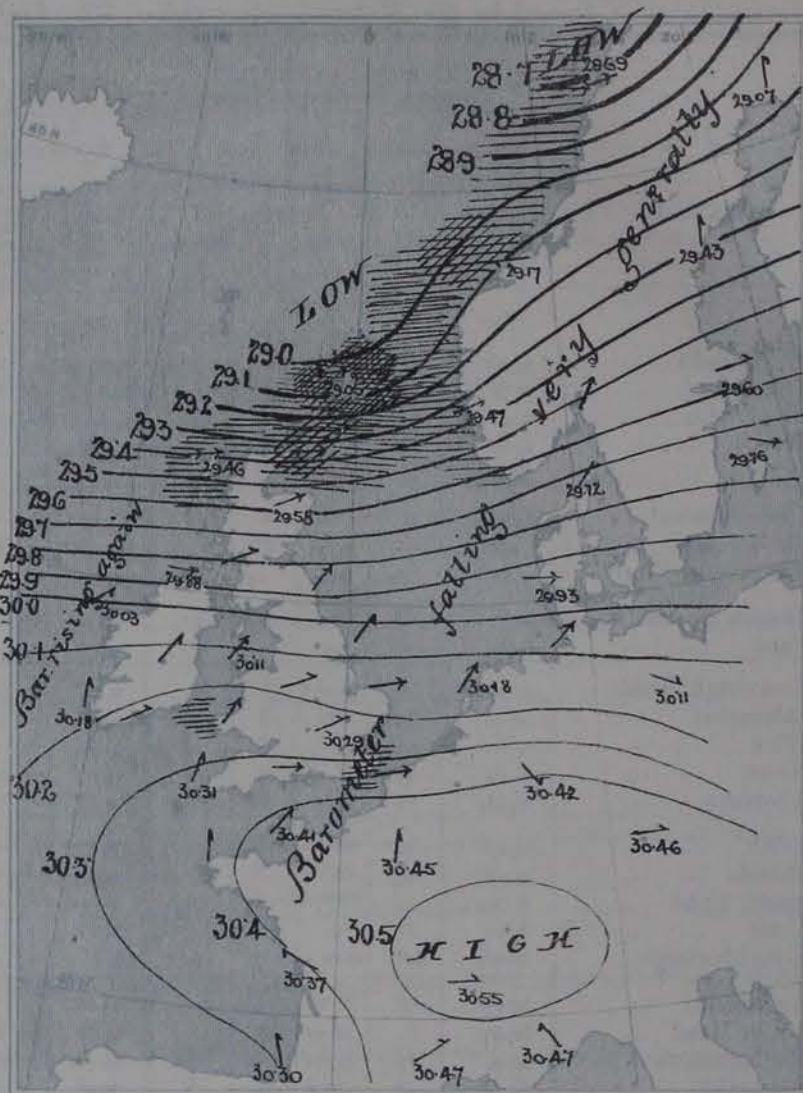
at 8.0 a.m. for the month of December.

During the 20 Years, 1871—1890.

STATIONS.

MEAN READINGS.

| STATIONS. | MEAN READINGS. |
|---------------|----------------|
| Sumburgh Head | 29.073 |
| Stornoway | 29.703 |
| Wick | 29.718 |
| Nairn | 29.713 |
| Aberdeen | 29.707 |
| Leith | 29.897 |
| Glasgow | 29.845 |
| Spurn Head | 29.873 |
| York | 29.890 |
| Loughborough | 29.921 |
| Aldershot | 29.824 |
| Mullaghmore | 29.821 |
| Donaghadee | 29.818 |
| Holyhead | 29.879 |
| Liverpool | 29.865 |
| Parsonstown | 29.901 |
| Valencia | 29.905 |
| Rosetta Point | 29.912 |
| Pembroke | 29.916 |
| Sully | 29.937 |
| Prawle Point | 29.970 |
| Hurst Castle | 29.983 |
| Dover | 29.983 |
| LONDON | 29.954 |
| Oxford | 29.955 |
| Cambridge | 29.954 |
| Yarmouth | 29.910 |



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

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

WEATHER—is shown by Letters of the Beaufort Scale.

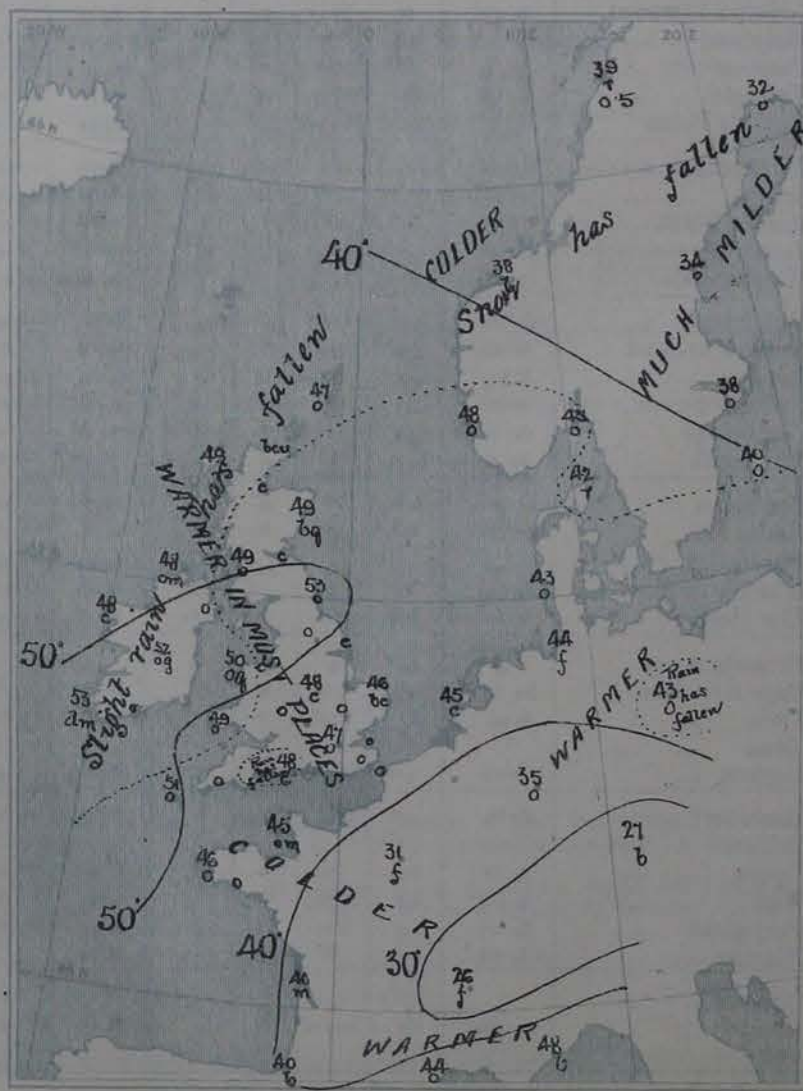
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of December.)

| STATIONS. | TEMPERATURE. | | | | RAINFALL inches. |
|---------------|---------------|---------------|-----------|-----------|---------------------|
| | Daily Max. | Daily Min. | at 8 a.m. | at 4 p.m. | |
| Sumburgh Head | 42.0 | 33.1 | 39.6 | 38.1 | 1.25 |
| Stornoway | 43.1 | 34.2 | 39.4 | 38.6 | 0.03 |
| Wick | 42.2 | 32.7 | 38.1 | 36.8 | 0.10 |
| Nairn | 41.9 | 32.8 | 37.1 | 35.8 | 1.96 |
| Aberdeen | 41.9 | 32.6 | 36.9 | 35.2 | 1.21 |
| Leith | 41.0 | 33.7 | 38.5 | 37.0 | 1.89 |
| Glasgow | 42.9 | 33.9 | 38.5 | 36.0 | 2.57 |
| Spurn Head | 44.1 | 35.3 | 38.8 | 37.7 | 2.14 |
| York | 42.3 | 32.3 | 36.4 | 33.4 | 1.28 |
| Loughborough | 42.7 | 32.2 | 36.3 | 35.4 | 2.24 |
| Aldershot | 44.3 | 33.9 | 40.0 | 38.7 | 3.73 |
| Mullaghmore | 40.3 | 37.8 | 42.2 | 39.8 | 1.51 |
| Donaghadee | 43.8 | 36.2 | 40.2 | 39.3 | 2.84 |
| Holyhead | 40.4 | 39.1 | 43.8 | 41.1 | 3.82 |
| Liverpool | 44.0 | 35.0 | 38.8 | 37.1 | 2.50 |
| Parsonstown | 41.7 | 33.1 | 37.8 | 36.0 | 3.03 |
| Valencia | 42.7 | 40.0 | 44.6 | 42.4 | 3.90 |
| Rosetta Point | 47.0 | 38.9 | 42.9 | 41.0 | 1.95 |
| Pembroke | 46.8 | 40.3 | 43.6 | 42.2 | 3.99 |
| Sully | 49.5 | 43.1 | 47.0 | 45.1 | 1.02 |
| Prawle Point | 47.0 | 38.2 | 42.6 | 41.1 | 1.76 |
| Jersey | 47.3 | 39.3 | 43.1 | 41.4 | 0.82 |
| Hurst Castle | 43.6 | 36.0 | 40.6 | 39.8 | 2.78 |
| Dover | 44.3 | 36.2 | 41.3 | 38.6 | 3.00 |
| LONDON | 44.0 | 44.9 | 37.8 | 36.7 | 2.10 |
| Oxford | 42.9 | 33.5 | 37.0 | 35.0 | 2.10 |
| Cambridge | 42.8 | 31.0 | 36.2 | 35.3 | 1.88 |
| Yarmouth | 41.0 | 31.2 | 37.9 | 37.0 | 2.01 |

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



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.5 in: and more to 30.2 in: in a high pressure area, covering the whole of the southern half of Europe.
 Lowest, 28.7 in: and less, over Denmark; 29.1 in: and less, over the Shetlands.
 Gradients very steep over Scotland and steep over northern Europe generally, slight in the south.
 Barometer falling rapidly over Scandinavia, rising a little in Ireland, and beginning to rise in Scotland also.

TEMPERATURE

Highest, 51° to 53° at our extreme southwestern stations, 50° at Mullaghmore, Holyhead, Liverpool, York, and Naim, 53° at Shields.
 Lowest, 27° at Lyons and Munich, 31° at Paris; 32° to 34° over the northern parts of Sweden.
 The maxima recorded yesterday exceeded 50° over nearly the whole of our islands, and touched 54° at several of the western stations.

WIND

Mainly E³ but variable over the south of France and the Bay of Biscay, fresh S³ to SW³ in Ireland, and SW³ to W³ over England. Strong W³ in south of Scotland and blowing very hard gale from W. in the north of Scotland, the Shetlands, and at Shetland and Bodo.
 The gale in the north came on suddenly, and is blowing with force 10 at Lumburgh H.

WEATHER

Clear over Spain and in the south and southwest of France, foggy over Central France, very cloudy in our islands with a little rain at some eastern and northwestern stations.
 Appearance at Wick still very threatening.

SEA

Exceedingly high in the far north, moderate to rather rough on our western and northern coasts.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

For the 24 hours ending at NOON on 19th DEC^r

1892.

DISTRICTS.

FORECASTS.

DISTRICTS.

FORECASTS.

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

NONE ISSUED

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

WARNINGS

NONE ISSUED

The SOUTH CONE is still flying in districts 0, 1, and 6 to 10.

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

YESTERDAY'S 2 P.M. REPORTS.

| | BAR. | THER. | | WIND. Direc. | F. | WEA. | SEA. | | BAR. | THER. | | WIND. Direc. | F. | WEA. | SEA. |
|-------------------|-------|-------|------|-----------------|----|------|------|--------------------|-------|-------|------|-----------------|----|------|------|
| | | Dry. | Wet. | | | | | | | Dry. | Wet. | | | | |
| Skudesnaes ... | 29.76 | 46 | 43 | W | 6 | c | 6 | Valencia ... | 30.16 | 52 | 52 | S | 4 | rm | 4 |
| Sumburgh Head ... | 29.63 | 46 | 43 | WNW | 5 | c | 6 | Scilly ... | 30.39 | 52 | 50 | SSW | 4 | o | 4 |
| Stornoway ... | 29.87 | 46 | 46 | W | 4 | c | 4 | Jersey ... | 30.43 | 48 | 45 | SSW | 2 | o | 2 |
| Aberdeen ... | 29.96 | 45 | 40 | SW | 2 | bc | 2 | Hurst Castle ... | 30.37 | 49 | 47 | WSW | 4 | cm | 4 |
| Shields ... | 30.08 | 51 | 49 | WSW | 2 | o | 2 | Dungeness ... | 30.34 | 49 | 48 | W | 5 | c | 4 |
| Ardrossan ... | 30.02 | 48 | 47 | S | 3 | o | 2 | North Foreland ... | 30.31 | 50 | 48 | W | 2 | o | 2 |
| Malin Head ... | 29.96 | 48 | 47 | S | 4 | o | 4 | London ... | 30.33 | 50 | 47 | SW | 4 | og | * |
| Mullaghmore ... | 29.98 | 52 | 51 | SSW | 7 | og | 6 | Yarmouth ... | 30.24 | 49 | 47 | WSW | 4 | bc | 3 |
| Belmullet ... | 29.98 | 50 | 49 | SW | 6 | om | * | Rochefort ... | 30.37 | 46 | 44 | SE | 3 | bc | * |
| Holyhead ... | 30.18 | 49 | 49 | SW | 4 | omg | 4 | | | | | | | | |

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

Weather cloudy or overcast in most parts of northwestern, northern, and eastern Europe, with rain at Christiansund, Stornoway, and Rochford, and with snow at Kropis and Peteraburg. Fine and bright in the east and south of Scotland, as well as over the greater part of France and southern Europe, but cloudy at the Alpine stations, with rain at Nemours. Snow falling later over the whole of Finland and the north of Scandinavia, and rain at several of our own western and extreme northern stations.

Temperature rises in our islands and Scandinavia, falls in France and Germany, changed irregularly elsewhere. Morning readings highest 61° at Malta and 56° at Langirane and Oran and 55° at La Calle, reaching 50° or more at some of our own western and northern stations. Lowest 10° at Riga, 12° at Archangel and Moscow, and 14° at St. Petersburg; below the freezing point at most of the Russian and Swedish stations, as well as in South Germany, northern Italy and central France. Rising during day to 50° or more in many parts of the United Kingdom, and reaching 55° at Hain and Louth. Exceeding 60° in the southern parts of Spain and Italy, the highest reading of all being 66° at Palermo.

Wind SW or W over our islands, Scandinavia, Denmark and Germany; strong in force in the north of Scotland and also on the eastern shore of the North Sea. Light from the S over Finland and the Baltic; NW in Austria and the south of Russia. Light or moderate from the NE in Spain and Italy, E or SE in the east of France, and also in Algeria. Subsequently increasing to a strong breeze from between S. and W. at some of the Baltic stations.

Barometer highest 30.5 ins. and upwards over Switzerland and the neighbouring parts of France and Germany; 30.3 ins. and upwards in an anticyclone lying over the greater part of central and southern Europe and extending northwards over the south of England. Lowest 29.2 ins. here in a depression lying off the coast of Norway. Gradients steep over Scandinavia and the northern parts of the North Sea. Depression subsequently moving northwards, but new disturbance beginning to approach our western coasts in evening.

SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLES AND THEIR NEIGHBOURHOOD FROM DEC. 11th to 17th 1892.

The weather over the British Islands during this week was of two distinct types. In the first (which lasted until Tuesday) pressure was high both over northern Europe and to the southward of our Islands, so that the main depressions passed in a northerly direction outside our northern coasts. Separate V shaped systems were developed over the North Sea, and mild SW breezes alternated with cold winds from NW, and at nighttime fronts of considerable intensity were experienced especially inland.

The northern high pressure area then gave way, and that over the Atlantic advanced inland over Spain, France, and Germany. The depressions which appeared in the north now travelled more rapidly; temperature became permanently very high for the time of year; the wind varied in direction between S. and W. and occasionally blew hard in the west and north. The rainfall decreased and eventually was confined to our northern and western districts, but large quantities of cloud prevailed over the Kingdom generally. On Thursday the maximum temperatures ranged between 50° and 55°.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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

„ Weekly „ „ „ „ £1 10 0 „

DAILY WEATHER REPORT

for 8 a.m. on Monday, 19th December, 1892.

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

| STATIONS. | | YESTERDAY EVENING. (See note at bottom of last page.) | | | | | THIS MORNING. (See note at bottom of last page.) | | | | | | | | | | PAST 24 HOURS. | | | |
|---------------------|------------------------------|--|------------------------|--------|------------------|----------|---|------------------------------|-------------|-----------|--------------------------------|--------|------------------|---------------|----------|-------------|----------------|---------------------|------|--|
| | | Barom. Reading at 32° F. and Sea Level. | Temp. Dry Bulb. | Wind. | | Weather. | Barometer. | | Shade Temp. | | | Wind. | | Sea (0 to 9). | Weather. | Shade Temp. | | Amount of Rainfall. | | |
| | | | | Direc. | Force (0 to 12). | | Reading at 32° F. and Sea Level. | Change since Yesterday Morn. | Dry Bulb. | Wet Bulb. | Change in dry since Yesterday. | Direc. | Force (0 to 12). | | | Max. | Min. | | | |
| | | | | | | | | | | | | | | | | | | | | |
| Ins. | | ° | | | | Ins. | ° | ° | ° | | | | | | | ° | Ins. | | | |
| SCANDINAVIA. | Haparanda ... | 28.91 | 15 | Z | 0 | b | 28.94 | -.53 | 28 | 27 | - 4 | SW | 2 | 0 | # | b | 32 | 14 | - | |
| | Hernösand ... | 28.84 | 33 | Z | 0 | o | 28.92 | -.51 | 33 | 32 | - 1 | Z | 0 | 0 | # | o | 36 | 18 | 0.08 | |
| | Stockholm ... | 28.93 | 43 | W | 6 | c | 29.11 | -.49 | 34 | 32 | - 4 | W | 9 | 5 | # | c | 45 | 32 | 0.04 | |
| | Wisby ... | | | | | | | | | | | | | | | | | | | |
| | Bodö ... | 28.86 | 31 | Z | 0 | b | 28.86 | -.61 | 30 | 27 | - 9 | E | 2 | 6 | 1 | b | 39 | ? | - | |
| | Christiansund... | 28.76 | 43 | WSW | 9 | r | 29.36 | +1.19 | 34 | 32 | - 4 | WNW | 9 | 0 | 7 | r | 45 | 34 | 0.39 | |
| | Skudesnaes ... | 29.53 | 44 | W | 9 | c | 29.57 | +1.10 | 37 | 36 | - 11 | WNW | 8 | q+sph | ? | c | 48 | 36 | - | |
| | Christiania Fjord (Fjord) | | | | | | | | | | | | | | | | | | | |
| | Skagen (The Scaw) | 29.45 | 42 | WNW | 8 | b | 29.45 | -.27 | 41 | 39 | - 1 | WNW | 8 | 6 | 5 | b | 45 | 41 | 0.12 | |
| | Fanö ... | 29.68 | 41 | WNW | 6 | c | 29.79 | -.14 | 42 | 41 | - 1 | WNW | 6 | 6 | # | c | 45 | 41 | - | |
| BRITISH ISLANDS. | Sumburgh Head | 29.49 | 42 | WNW | 9 | r | 29.77 | +1.72 | 33 | 32 | - 14 | WNW | 4 | 5 | 7 | r | 47 | 33 | 0.10 | |
| | Stornoway ... | 29.77 | 45 | W | 4 | o | 29.97 | +1.51 | 38 | 37 | - 11 | N | 4 | 4 | 4 | o | 49 | 36 | 0.02 | |
| | Wick ... | 29.70 | 40 | W | 7 | bc | 29.80 | +1.44 | 37 | 36 | - 11 | N | 4 | 4 | 3 | q, bc | 48 | 36 | 0.03 | |
| | Nairn ... | 29.79 | 45 | W | 4 | c | 29.97 | +1.42 | 41 | 40 | - 9 | W | 2 | 0 | 1 | c | 57 | 40 | - | |
| | Aberdeen ... | 29.83 | 42 | WSW | 3 | b | 29.96 | +1.38 | 41 | 38 | - 8 | WNW | 3 | 0 | 2 | b, p | 50 | 40 | 0.04 | |
| | Leith ... | 29.92 | 44 | WSW | 5 | bc | 29.98 | +1.18 | 47 | 45 | - 5 | W | 2 | om | # | bc | 52 | 44 | - | |
| | Shields ... | 30.02 | 47 | Z | 0 | b | 30.00 | +1.15 | 48 | 46 | - 5 | WNW | 3 | 4 | 2 | 6 | 56 | 42 | - | |
| | Spurn Head ... | 30.08 | 49 | SW | 4 | og | 30.05 | -.01 | 46 | 45 | - 0 | WSW | 4 | 4 | 3 | og | 50 | 43 | - | |
| | York ... | 30.10 | 52 | WSW | 3 | o | 30.07 | +1.05 | 50 | 49 | - 0 | W | 2 | 0 | # | o | 54 | 49 | - | |
| | Loughborough | 30.19 | 51 | SW | 2 | c | 30.16 | -.01 | 44 | 43 | - 4 | WSW | 2 | 4 | # | c | 52 | 43 | - | |
| GERMANY & HOLLAND. | Ardrossan ... | 30.02 | 47 | WSW | 3 | c | 29.99 | +1.03 | 46 | 46 | - 3 | SSW | 2 | om | 2 | c | 50 | 43 | 0.01 | |
| | Malin Head ... | 30.02 | 47 | SW | 4 | om | 29.98 | +1.10 | 48 | 47 | - 0 | SW | 4 | 0 | 2 | o | 48 | 45 | 0.01 | |
| | Mullaghmore ... | 30.08 | 48 | WSW | 2 | od | 30.03 | +1.03 | 50 | 48 | - 0 | WSW | 5 | 0 | 3 | d, p | 51 | 47 | 0.08 | |
| | Belmullet ... | 30.07 | 49 | S | 2 | og | 30.03 | +1.00 | 48 | 47 | - 0 | SSW | 2 | 0 | # | og | 50 | 46 | 0.08 | |
| | Donaghadee ... | 30.10 | 48 | SW | 4 | c | 30.05 | +1.08 | 49 | 48 | - 5 | WSW | 4 | 4 | 2 | c | 55 | 49 | 0.01 | |
| | Liverpool (Bidston) | 30.13 | 51 | WSW | 4 | o | 30.13 | +1.02 | 47 | 45 | - 3 | WSW | 3 | 0 | 3 | o | 53 | 47 | - | |
| | Holyhead ... | 30.13 | 50 | WSW | 4 | ogm | 30.13 | +1.02 | 48 | 47 | - 2 | WSW | 4 | og | 4 | m, q, o | 51 | 48 | - | |
| | Parsonstown ... | 30.13 | 52 | SE | 1 | o | 30.10 | +1.00 | 44 | 43 | - 8 | Z | 0 | og | # | o | 54 | 43 | - | |
| | Valencia ... | 30.19 | 52 | SW | 3 | og | 30.08 | +1.10 | 48 | 44 | - 5 | SSW | 3 | og | 3 | og | 54 | 46 | 0.01 | |
| | Roche's Point | 30.22 | 51 | WSW | 3 | c | 30.12 | +1.09 | 49 | 48 | - 3 | SSW | 2 | 0 | 3 | c | 52 | 47 | - | |
| FRANCE AND BELGIUM. | Pembroke (St. Ann's Hd.) | 30.23 | 50 | SW | 4 | c | 30.17 | +1.06 | 47 | 45 | - 2 | SW | 2 | og | 4 | o, c | 50 | 47 | - | |
| | Scilly ... | 30.29 | 49 | SW | 3 | o | 30.15 | +1.16 | 49 | 47 | - 2 | SE | 3 | 0 | 3 | o | 51 | 46 | - | |
| | Prawle Point ... | 30.32 | 47 | WSW | 3 | o | 30.22 | +1.11 | 44 | 43 | - 3 | S | 2 | og | 2 | o | 48 | 43 | - | |
| | Jersey (St. Aubin's) | 30.39 | 44 | SW | 2 | cm | 30.27 | +1.14 | 45 | 43 | - 0 | Z | 0 | om | 0 | cm | 46 | 40 | - | |
| | Hurst Castle ... | 30.32 | 48 | W | 3 | c | 30.24 | +1.10 | 47 | 45 | - 1 | W | 3 | 4 | 2 | c | 49 | 45 | - | |
| | Dungeness ... | 30.28 | 47 | W | 5 | c | 30.22 | +1.08 | 46 | 44 | - 2 | WNW | 3 | 4 | 3 | c | 49 | 44 | - | |
| | North Foreland | 30.27 | 46 | SW | 1 | o | 30.22 | +1.06 | 43 | 41 | - 4 | W | 1 | og | 2 | c, o | 48 | 43 | - | |
| | London ... | 30.29 | 48 | WSW | 3 | o | 30.22 | +1.07 | 44 | 41 | - 3 | WSW | 2 | 0 | # | og | 49 | 43 | - | |
| | Oxford ... | 30.27 | 47 | SW | 1 | o | 30.22 | +1.05 | 44 | 43 | - 4 | SW | 2 | og | # | o | 50 | 45 | - | |
| | Cambridge ... | 30.24 | 48 | W | 1 | o | 30.16 | +1.04 | 43 | 42 | - 5 | SW | 1 | 6 | # | o | 52 | 42 | - | |
| PENINSULA. | Yarmouth ... | 30.16 | 48 | W | 5 | c | 30.13 | +1.02 | 45 | 44 | - 1 | WSW | 2 | 4 | 3 | c | 49 | 42 | - | |
| | Cuxhaven ... | 30.05 | 43 | WSW | 6 | o | 29.98 | +1.15 | 44 | 43 | - 0 | W | 6 | 0 | # | o | 45 | 43 | - | |
| | Berlin ... | 30.08 | 41 | W | 4 | o | 30.00 | +1.11 | 45 | 44 | - 2 | W | 4 | 0 | # | o | 45 | 41 | - | |
| | Wiesbaden ... | | | | | | 30.28 | +1.14 | 32 | 32 | - 3 | Z | 0 | 0 | # | # | 36 | 30 | - | |
| | Munich ... | 30.38 | 39 | SW | 3 | b | 30.32 | +1.14 | 36 | 32 | + 9 | SW | 4 | 6 | # | b | 48 | 27 | - | |
| | The Helder ... | 30.17 | 46 | SW | 5 | c | 30.12 | +1.06 | 46 | 45 | - 1 | SW | 5 | 4 | 3 | c | 46 | 45 | - | |
| | Brussels (9 a.m.) | | | | | | 30.28 | | 35 | 35 | | SW | 4 | f | # | o | 41 | 35 | - | |
| | Cape Gris Nez | 30.24 | 49 | WSW | 5 | o | ? | ? | 46 | 45 | - 1 | W | 4 | 0 | 4 | o | 48 | 46 | - | |
| | Paris ... | 30.43 | 32 | Z | 0 | o | 30.34 | +1.11 | 26 | 26 | - 5 | Z | 0 | 0 | # | o | 33 | 26 | - | |
| | Brest ... | | 45 | NE | 2 | o | ? | ? | 45 | 43 | - 1 | E | 2 | 0 | 3 | o | 50 | 41 | - | |
| FRANCE AND BELGIUM. | Lorient ... | 30.33 | 40 | NE | 4 | c | 30.21 | +1.18 | 42 | 41 | - 1 | ESE | 4 | 0 | 2 | c | 46 | 39 | - | |
| | Rochefort ... | 30.30 | 46 | SE | 3 | b | 30.24 | +1.13 | 39 | 38 | - 1 | SE | 3 | 6 | # | b | 54 | 36 | - | |
| | Belfort ... | | | | | | | | | | | | | | | | | | | |
| | Lyons ... | | | | | | | | | | | | | | | | | | | |
| | Nice ... | 30.42 | 50 | Z | 0 | b | 30.38 | +1.09 | 40 | 39 | - 9 | E | 1 | 6 | # | b | 57 | 39 | - | |
| PENINSULA. | Perpignan ... | 30.39 | 50 | Z | 0 | o | 30.32 | +1.15 | 50 | 48 | - 6 | E | 1 | 0 | # | o | 57 | 44 | - | |
| | Biarritz ... | 30.30 | 50 | ESE | 4 | b | 30.23 | +1.07 | 46 | 42 | - 6 | ESE | 3 | 6 | 2 | b | 55 | 39 | - | |

For Explanation of Columns, see bottom of last page.

† Received too late for insertion in Charts on next page.

WEATHER CHARTS

for 8 a.m. on Monday, 19th Dec^r 1892.

BAROMETER, WIND AND SEA.

EXPLANATION OF MAP.

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

Changes since previous morning are stated in words.

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

— forces above 10; — forces 8 to 10;

— forces 5 to 7; — forces 1 to 4;

○ = dead calm.

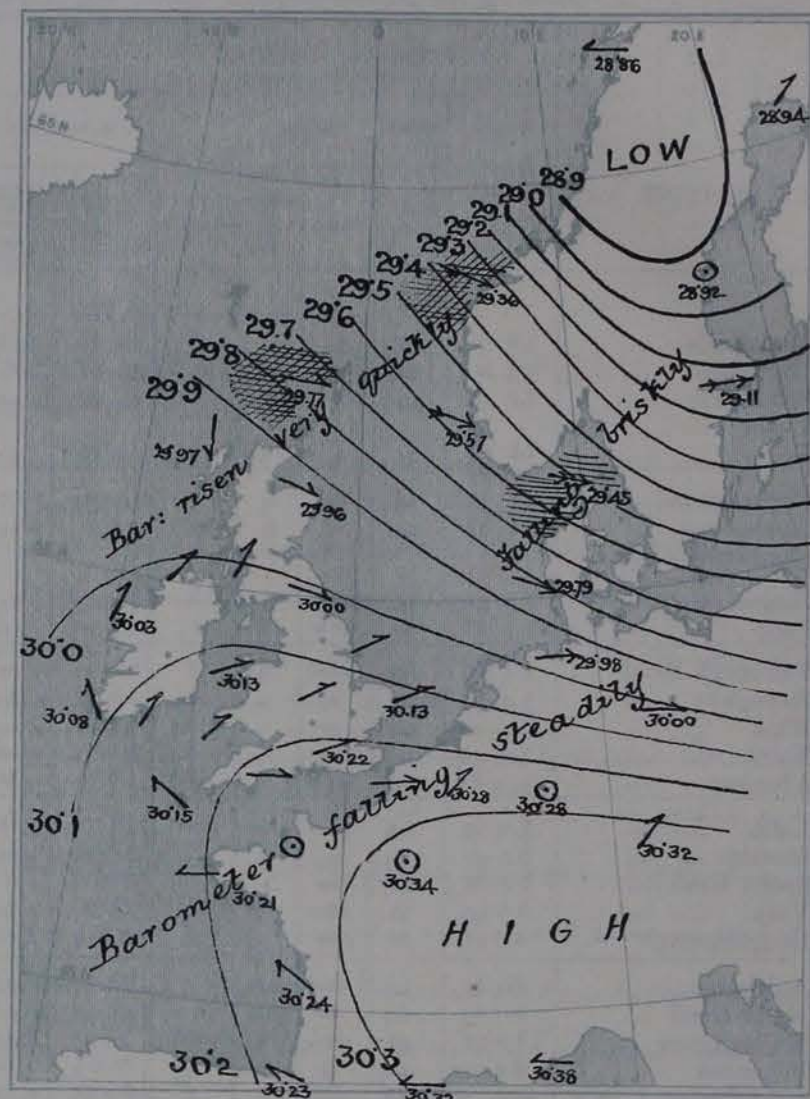
SEA DISTURBANCE—Where considerable, is shown thus:

— = Rough. — = High.

MEAN HEIGHT OF THE BAROMETER

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

| STATIONS. | MEAN READINGS. |
|---------------|----------------|
| Sumburgh Head | 29.673 |
| Stornoway | 29.705 |
| Wick | 29.718 |
| Nairn | 29.743 |
| Aberdeen | 29.767 |
| Leith | 29.807 |
| Shields | 29.845 |
| Spurn Head | 29.878 |
| York | 29.890 |
| Loughborough | 29.921 |
| Ardrossan | 29.820 |
| Mullaghmoze | 29.821 |
| Donaghadee | 29.848 |
| Holyhead | 29.879 |
| Liverpool | 29.895 |
| Parsonstown | 29.901 |
| Valencia | 29.903 |
| Roche's Point | 29.912 |
| Pembroke | 29.916 |
| Sally | 29.931 |
| Praske Point | 29.979 |
| Jersey | 30.085 |
| Hurst Castle | 30.058 |
| Dover | 30.153 |
| LONDON | 30.154 |
| Oxford | 30.155 |
| Cambridge | 30.181 |
| Yarmouth | 30.010 |



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

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

WEATHER—is shown by Letters of the Beaufort Scale.

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

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of December.)

| STATIONS. | TEMPERATURE. | | | | RAINFALL. (Inches.) |
|---------------|---------------|---------------|-----------|-----------|------------------------|
| | Daily Max. | Daily Min. | at 8 a.m. | at 8 a.m. | |
| Sumburgh Head | 42.6 | 35.2 | 39.6 | 38.1 | 1.25 |
| Stornoway | 43.1 | 34.2 | 39.4 | 38.5 | 5.43 |
| Wick | 42.2 | 33.7 | 38.1 | 36.8 | 3.10 |
| Nairn | 41.0 | 32.8 | 37.1 | 35.0 | 1.95 |
| Aberdeen | 41.0 | 32.6 | 36.9 | 35.2 | 2.24 |
| Leith | 44.0 | 33.7 | 38.5 | 37.0 | 1.86 |
| Shields | 42.9 | 33.9 | 38.3 | 36.9 | 2.57 |
| Spurn Head | 42.4 | 33.3 | 38.8 | 37.1 | 2.14 |
| York | 42.3 | 32.3 | 36.1 | 35.4 | 1.28 |
| Loughborough | 42.7 | 32.2 | 36.3 | 35.1 | 2.24 |
| Ardrossan | 41.5 | 33.0 | 38.0 | 36.7 | 3.73 |
| Mullaghmoze | 40.5 | 37.3 | 42.2 | 39.8 | 1.51 |
| Donaghadee | 43.8 | 36.2 | 40.2 | 39.3 | 2.84 |
| Holyhead | 46.4 | 39.1 | 42.8 | 41.1 | 3.82 |
| Liverpool | 43.5 | 35.6 | 38.8 | 37.1 | 2.60 |
| Parsonstown | 41.7 | 33.1 | 37.8 | 36.0 | 3.04 |
| Valencia | 42.7 | 39.0 | 44.0 | 42.4 | 5.99 |
| Roche's Point | 47.9 | 38.9 | 42.9 | 41.5 | 4.95 |
| Pembroke | 43.3 | 40.3 | 43.6 | 42.2 | 3.00 |
| Sally | 49.5 | 43.1 | 47.0 | 45.1 | 1.02 |
| Praske Point | 47.0 | 38.2 | 42.5 | 41.1 | 3.76 |
| Jersey | 47.3 | 39.3 | 43.1 | 41.4 | 3.82 |
| Hurst Castle | 46.6 | 36.3 | 40.6 | 39.8 | 2.76 |
| Dover | 44.3 | 35.9 | 39.8 | 38.6 | 3.00 |
| LONDON | 44.0 | 34.9 | 37.8 | 36.7 | 2.10 |
| Oxford | 42.2 | 33.5 | 37.0 | 35.9 | 2.10 |
| Cambridge | 42.8 | 31.6 | 36.2 | 35.6 | 1.88 |
| Yarmouth | 41.9 | 31.7 | 37.0 | 37.0 | 2.60 |

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



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.3 ins. and more to 30.2 ins. over Germany, France, and the south of England, and 30.0 ins. in the west of Ireland.
 Lowest, 28.9 ins. and less, over the northern half of Scandinavia; 30.1 ins. at Lisbon.
 Gradients still steep over Norway and Denmark, moderate to slight over the British Islands and France.
 Barometer rising decidedly in the north, falling in the southwest and south.

TEMPERATURE

Highest, 50° at Lisbon, York, and Mullaghmore, 49° at Rochester and Peckham.
 Lowest, 28° at Haparanda, 30° at Bodo, 33° at Stockholm and Leningrad, 41° at Aberdeen.
 The maxima recorded yesterday exceeded 50° in many parts of our Islands and touched 55° at Liverpool.

WIND

- (1) Blowing a gale from the West over the greater part of Norway and Sweden, but moderate E³ at Bodo.
 - (2) N² moderate in Scotland, W¹ light, over the east of England.
 - (3) S³ to SE³ at our western stations; E¹ and SE¹ over the Bay of Biscay — light in force.
- A hard gale from the W⁴ was felt in the north of Scotland yesterday, but the wind there has since veered W² and moderated.

WEATHER

Unsettled in the north, with sleet, hail, and cold rain in some places, dull over England, Ireland, and Brittany, fine and bright in the southwest and south of France.
 A little rain and snow have fallen in the northwest and north, none elsewhere.

SEA

Still high in the extreme north, slight or smooth in most other places.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The movement of the new disturbance in the southwest are at present undecided, but there are indications that an important change in the general distribution of pressure over the Kingdom is at hand. Temperature seems likely to decrease.

FORECASTS

For the 24 hours ending at NOON on 20th December, 1892.

DISTRICTS.

FORECASTS.

| | | |
|---|------------------|--|
| 9 | SCOTLAND NORTH | N ² and Varying winds; changeable, some cold showers. |
| 1 | SCOTLAND EAST | |
| 2 | ENGLAND N.E. | SW ² and S ² winds; fair to unsettled. |
| 3 | ENGLAND EAST | |
| 4 | MIDLAND COUNTIES | Wind backing to S. or SE.; colder, cold rain, unsettled. |
| 5 | ENGLAND SOUTH | |

DISTRICTS.

FORECASTS.

| | | |
|----------|---------------|--|
| 6 | SCOTLAND WEST | Wind very doubtful; weather dull, rain at times. |
| 7 | ENGLAND N.W. | |
| 8 | ENGLAND S.W. | Same as No 10 |
| 9 | IRELAND NORTH | Same as Nos 6 and 7 |
| 10 | IRELAND SOUTH | SE ² and Varying winds; very unsettled, rain at times. |
| WARNINGS | | The SOUTH CONE was re-hoisted last evening in districts 0.1.6 and 9. |

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

YESTERDAY'S 2 P.M. REPORTS.

| | BAR. | THER. | | WIND. | F. | WEA. | SEA. | | BAR. | THER. | | WIND. | F. | WEA. | SEA. |
|----------------|-------|-------|------|--------|----|------|------|-------------------|-------|-------|------|--------|----|------|------|
| | | Dry. | Wet. | Dirac. | | | | | | Dry. | Wet. | Dirac. | | | |
| Skudesnaes ... | 29.33 | 48 | 44 | W | 10 | om | 7 | Valencia ... | | | | | | | |
| Sumburgh Head | | | | | | | | Scilly ... | | | | | | | |
| Stornoway ... | 29.72 | 46 | 45 | W | 6 | 0 | 6 | Jersey ... | 30.41 | 45 | 41 | SSW | 2 | cm | 2 |
| Aberdeen ... | | | | | | | | Hurst Castle | | | | | | | |
| Shields ... | | | | | | | | Dungeness... | 30.27 | 48 | 46 | W | 6 | c | 4 |
| Ardrossan ... | | | | | | | | North Foreland... | 30.24 | 48 | 46 | SW | 2 | c | 2 |
| Malin Head | 30.00 | 48 | 45 | WSW | 6 | 0 | 5 | London ... | | | | | | | |
| Mullaghmore | | | | | | | | Yarmouth ... | | | | | | | |
| Belmullet ... | 30.08 | 50 | 48 | SW | 2 | 0 | * | Rocheport ... | 30.34 | 50 | 47 | SE | 3 | b | * |
| Holyhead ... | 30.13 | 50 | 50 | SW | 5 | ogm | 5 | | | | | | | | |

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

Weather dull over the greater part of western, northern, and central Europe, fog or mist reported in France, rain in the Hebrides, as well as at several of the Scandinavia, Danish, and north German stations, and snow in Finland. Fine and bright in the east of Scotland, and also in Spain, Italy, and the extreme south of France, but dull and rainy in Algeria. A little rain falling later in the extreme east and north of our Islands generally; no important change occurring elsewhere.

Temperature fallen a little in many parts of France, Prussia, and southern Europe, but risen elsewhere. Morning readings highest (1) 60° at Malta, 57° at La Cella and Tunis and 56° at Algiers; (2) 54° at Danzig and 53° at Shields and Valencia Island; reaching 50° or more at several of our western and northern stations. Lowest 5° at Archangel, 7° at Arkhangel, 8° at Moscow, and 15° at Nicolaieff, below the freezing point over nearly the whole of Russia, south Germany, and central France. Rising during day as high as 56° at Shields and 57° at Nain, where weather was as mild as in the extreme south of France. Maximum reading at Paris only 33°.

Winds moderate to fresh from the SW^d over Ireland, England, Denmark, and the Netherlands; strong to a gale from the W^d over Scotland and the south of Norway—gale severe in the Shetlands. Moderate to strong from the W^d over the Baltic and eastern Germany, and light from the same quarter in Austria, but S¹ or SE¹ over the northern parts of Sweden and Prussia. Light from the E¹ or SE¹ in the west of France, NE¹ in Spain; N¹ or NW¹ in Italy; S¹ or SE¹ in Algeria. Gale continuing in extreme north of Scotland all day, and spreading to many of the Scandinavian stations.

Barometer highest 30.5 in. and upwards over Central France, 30.3 in. and upwards, in an anticyclone covering nearly the whole of Central and southern Europe, and spreading northwards as far as the extreme south of England. Lowest 29.1 in. and less in a deep depression lying to the northward of Scotland, and also in another well marked system over the north of Sweden. Gradients steep over the northern part of Scotland and the North Sea. Former disturbance subsequently travelling quickly in an easterly direction, but barometer beginning to fall again in the west of Ireland in evening.

SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD FROM THE 11TH TO 17TH DEC. 1892.

For Summary see Sunday's report.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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

„ Weekly „ „ „ „ £1 10 0 „

DAILY WEATHER REPORT

for 8 a.m. on Tuesday 20th December. 1892.

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

| STATIONS. | | YESTERDAY EVENING. (See note at bottom of last page.) | | | | | THIS MORNING. (See note at bottom of last page.) | | | | | | | | | | LAST 24 HOURS. | | | | |
|---|-------------------------------|--|---------------------------|---|--|--------------|---|--------------------------------------|-------------|---------------------------|----------|-------|------|------------------|-------------|----|----------------|---------------------------|--|--|--|
| | | BAROM. | TEMP. | WIND. | | Weather. | BAROMETER. | | SHADE TEMP. | | | WIND. | | Sea (0 to 9). | SHADE TEMP. | | | Amount of Rainfall. | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| Reading at 32° F. and Sea Level. | Dry Bulb. | Dirac. | Force (0 to 12). | Reading at 32° F. and Sea Level. | Change since Yester- day Morn. | Dry Bulb. | Wet Bulb. | Change in dry since Yesterday. | Dirac. | Force (0 to 12). | Weather. | Max. | Min. | | | | | | | | |
| Ina. | ° | | | Ina. | | ° | ° | | | | | ° | | | | | | | | | |
| SCANDINAVIA. | Haparanda ... | 29.26 | 14 | N | 4 | 29.50 | +0.26 | 2 | 1 | -2.6 | N | 2 | b | * | b | 28 | 2 | — | | | |
| | Hernösand ... | 29.32 | 25 | S | 2 | 29.61 | +0.29 | 21 | 20 | -1.2 | NW | 2 | c | * | o | ? | ? | 0.24 | | | |
| | Stockholm ... | 29.21 | 31 | N | 6 | 29.48 | +0.27 | 28 | 25 | -6 | NW | 4 | o | * | o | 45 | 27 | — | | | |
| | Wishby ... | | | | | | | | | | | | | | | | | | | | |
| | Bodö ... | | | | | | | | | | | | | | | | | | | | |
| | Christiansund... | 29.50 | 23 | NW | 8 | 29.80 | +0.30 | 33 | 35 | +3 | NW | 3 | c | 5 | o | 37 | 30 | 0.08 | | | |
| | Skudesnaes ... | 29.80 | 33 | NW | 7 | 29.88 | +0.08 | 30 | 27 | -7 | N | 4 | bc | 3 | ohg | 37 | 37 | — | | | |
| | Christiania Fjord (Farder) | 29.61 | 34 | NW | 4 | 29.69 | +0.08 | 33 | 30 | -3 | NW | 4 | b | 3 | o | 41 | 32 | — | | | |
| | Skagen (The Scaw) | 29.71 | 26 | NW | 6 | 29.64 | +0.19 | 36 | 34 | -5 | N | 6 | o | 3 | b | 41 | 34 | — | | | |
| | Fanö ... | 29.92 | 36 | NW | 4 | 29.86 | +0.07 | 38 | 36 | -4 | NW | 4 | bc | * | c | 45 | 36 | — | | | |
| BRITISH ISLANDS. | Samburgh Head | 29.86 | 36 | NW | 3 | 29.06 | +0.20 | 34 | 33 | +1 | NW | 1 | o | 4 | cbc | 37 | 30 | 0.01 | | | |
| | Stornoway ... | 29.98 | 33 | NE | 4 | 29.98 | +0.02 | 37 | 36 | -1 | SE | 3 | c | 4 | o | 37 | 35 | — | | | |
| | Wick ... | 29.97 | 36 | NW | 2 | 29.96 | +0.26 | 36 | 35 | -1 | SE | 2 | bc | 2 | o | 37 | 32 | — | | | |
| | Nairn ... | 29.98 | 33 | N | 0 | 29.98 | +0.10 | 35 | 33 | -6 | 2 | 0 | o | 1 | o | 41 | 32 | 0.01 | | | |
| | Aberdeen ... | 30.02 | 33 | NW | 1 | 30.09 | +0.13 | 34 | 33 | -7 | NW | 2 | c | 4 | o | 41 | 33 | — | | | |
| | Leith ... | 29.98 | 42 | 2 | 0 | 29.07 | +0.09 | 40 | 38 | -7 | NE | 4 | + | * | + | 47 | 37 | 0.10 | | | |
| | Shields ... | 29.98 | 50 | SW | 2 | 29.08 | +0.10 | 44 | 43 | -4 | NW | 1 | d | 2 | o | 51 | 41 | 0.01 | | | |
| | Spurn Head ... | 29.03 | 44 | NW | 3 | 29.03 | -0.02 | 41 | 41 | -5 | NW | 2 | omg | 3 | c | 46 | 40 | — | | | |
| | York ... | 29.06 | 47 | SW | 2 | 29.05 | -0.02 | 42 | 41 | -1 | N | 1 | omg | * | o | 51 | 41 | — | | | |
| | Loughborough | 29.12 | 44 | NW | 1 | 29.08 | -0.04 | 41 | 40 | -3 | SW | 1 | omg | * | o | 47 | 41 | — | | | |
| GERMANY & HOLLAND. | Ardrossan ... | 29.00 | 47 | 2 | 0 | 29.01 | +0.02 | 43 | 43 | -3 | NE | 2 | af | 1 | odpm | 47 | 38 | 0.02 | | | |
| | Malin Head ... | 29.97 | 46 | S | 3 | 29.92 | -0.06 | 44 | 43 | -4 | SE | 3 | b | 2 | o, o, o | 48 | 43 | 0.01 | | | |
| | Mullaghmore ... | 29.98 | 46 | S | 3 | 29.92 | -0.11 | 43 | 46 | -2 | SW | 4 | og | 4 | og, o | 53 | 45 | — | | | |
| | Belmullet ... | 29.95 | 47 | SE | 4 | 29.89 | -0.14 | 47 | 45 | -1 | E | 2 | o | * | om, o | 48 | 46 | 0.02 | | | |
| | Donaghadee ... | 29.04 | 46 | SW | 3 | 29.01 | -0.04 | 45 | 45 | -4 | SW | 3 | o | 2 | c | 53 | 43 | 0.01 | | | |
| | Liverpool (Bldston) | 29.11 | 44 | N | 1 | 29.07 | -0.06 | 43 | 41 | -4 | SE | 1 | f | 2 | o | 48 | 42 | — | | | |
| | Holyhead ... | 29.08 | 46 | NW | 2 | 29.03 | -0.10 | 45 | 45 | -3 | SE | 1 | og | 2 | c, og | 48 | 44 | 0.01 | | | |
| | Parsonstown ... | 29.00 | 46 | 2 | 0 | 29.95 | -0.15 | 46 | 45 | +2 | 2 | 0 | o | * | og | 47 | 43 | — | | | |
| | Valencia ... | 29.98 | 50 | SE | 2 | 29.91 | -0.17 | 52 | 49 | +4 | SE | 4 | c | 4 | og | 52 | 47 | — | | | |
| | Roche's Point | 29.02 | 50 | S | 3 | 29.96 | -0.16 | 50 | 49 | +1 | S | 3 | o | 3 | o | 50 | 48 | — | | | |
| FRANCE AND BELGIUM. | Pembroke (St. Ann's Hd.) | 29.09 | 49 | SW | 4 | 29.03 | -0.14 | 46 | 45 | -1 | SE | 3 | og | 4 | o | 49 | 46 | — | | | |
| | Scilly ... | 29.06 | 51 | SE | 4 | 29.02 | -0.13 | 50 | 49 | +1 | SE | 2 | o | 4 | o | 52 | 46 | — | | | |
| | Prawle Point ... | 29.14 | 45 | S | 2 | 29.06 | -0.16 | 49 | 47 | +5 | ENE | 1 | og | 0 | og | 49 | 43 | — | | | |
| | Jersey (St. Aubin's) | 29.17 | 43 | NW | 2 | 29.08 | -0.19 | 47 | 46 | +2 | SE | 3 | cm | 3 | cm, o, f | 47 | 41 | — | | | |
| | Hurst Castle ... | 29.15 | 46 | NW | 2 | 29.10 | -0.14 | 45 | 44 | -2 | NNE | 2 | og | 1 | og, o, f | 48 | 44 | — | | | |
| | Dungeness ... | 29.13 | 46 | N | 3 | 29.08 | -0.14 | 43 | 43 | -3 | SW | 2 | d | 1 | c, o | 47 | 42 | 0.01 | | | |
| | North Foreland | 29.12 | 42 | N | 1 | 29.08 | -0.14 | 41 | 41 | -2 | N | 1 | ogm | 2 | o | 48 | 40 | — | | | |
| | London ... | 29.15 | 43 | N | 1 | 29.09 | -0.13 | 42 | 41 | -2 | S | 2 | ogm | * | og | 47 | 41 | — | | | |
| | Oxford ... | 29.14 | 42 | SW | 1 | 29.10 | -0.12 | 42 | 40 | -2 | SW | 1 | og | * | og | 45 | 41 | — | | | |
| | Cambridge ... | 29.13 | 43 | SW | 1 | 29.10 | -0.06 | 42 | 41 | -1 | SW | 1 | o | * | og | 48 | 40 | — | | | |
| PENINSULA. | Yarmouth ... | 29.09 | 43 | N | 2 | 29.05 | -0.08 | 41 | 40 | -4 | N | 2 | bef | 3 | b, c | 47 | 39 | — | | | |
| | Cuxhaven ... | 29.92 | 41 | N | 5 | 29.95 | -0.03 | 42 | 41 | -2 | N | 3 | o | * | o | 44 | 41 | 0.02 | | | |
| | Berlin ... | 29.90 | 44 | N | 5 | 29.93 | -0.07 | 39 | 38 | -6 | N | 3 | + | * | + | 46 | 37 | 0.04 | | | |
| | Wiesbaden ... | 29.19 | 37 | SW | 4 | 29.13 | -0.15 | 29 | 28 | -3 | 2 | 0 | o | * | + | 37 | 27 | — | | | |
| | Munich ... | 29.19 | 37 | SW | 4 | 29.12 | -0.20 | 28 | 26 | -8 | SW | 3 | b | * | + | 40 | 27 | — | | | |
| | The Helder ... | | | | | | | | | | | | | | | | | | | | |
| | Brussels (9 a.m.) | * | * | * | * | 29.13 | -0.15 | 33 | 32 | -2 | SW | 3 | f, f | * | o | 37 | 33 | — | | | |
| | Cape Gris Nez | 29.09 | 45 | NW | 3 | 29.06 | -0.13 | 37 | 36 | -1 | SW | 2 | f, o | 2 | o | 48 | 36 | — | | | |
| | Paris ... | 29.21 | 29 | 2 | 0 | 29.18 | -0.19 | 28 | 28 | +2 | 2 | 0 | o | * | o | 50 | 26 | — | | | |
| | Brest ... | 29.21 | 30 | E | 2 | 29.18 | -0.19 | 48 | 47 | +3 | E | 2 | o | * | o | 52 | 41 | — | | | |
| FRANCE AND BELGIUM. | Lorient ... | 29.10 | 51 | S | 3 | 29.08 | -0.13 | 44 | 43 | +2 | E | 3 | o | 2 | o | 52 | 41 | — | | | |
| | Rocheport ... | 29.12 | 44 | SE | 2 | 29.06 | -0.18 | 41 | 41 | +2 | SE | 3 | f, b | * | b | 50 | 37 | — | | | |
| | Belfort ... | 29.20 | 38 | N | 2 | 29.20 | -0.18 | 26 | 25 | -1 | N | 2 | f, b | * | b | 46 | 23 | — | | | |
| | Lyons ... | 29.30 | 26 | NW | 1 | 29.20 | -0.18 | 28 | 28 | -1 | SW | 1 | f, b | * | b | 50 | 23 | — | | | |
| | Nice ... | 29.28 | 46 | 2 | 0 | 29.19 | -0.19 | 41 | 39 | +1 | E | 3 | + | * | + | 52 | 35 | — | | | |
| | Perpignan ... | 29.09 | 53 | E | 1 | 29.15 | -0.17 | 47 | 47 | -3 | NE | 3 | + | * | o | 53 | 46 | 0.16 | | | |
| | Biarritz ... | | | | | | | | | | | | | | | | | | | | |
| | Corunna ... | 29.08 | 34 | N | 3 | 29.07 | -0.04 | 44 | 44 | -6 | N | 3 | b | * | + | 37 | 41 | — | | | |
| | Lisbon ... | | | | | | | | | | | | | | | | | | | | |

For Explanation of Columns, see bottom of last page.

† Received too late for insertion in Charts on next page.

WEATHER CHARTS

for 8 a.m. on Tuesday, 20th Dec: 1892.

BAROMETER, WIND AND SEA.

EXPLANATION OF MAP

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

Changes since previous morning are stated in words.

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

their barbs and feathers refer to force thus—

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

SEA DISTURBANCE—Where squally, is shown thus

— Rough. — High.

MEAN HEIGHT OF THE BAROMETER

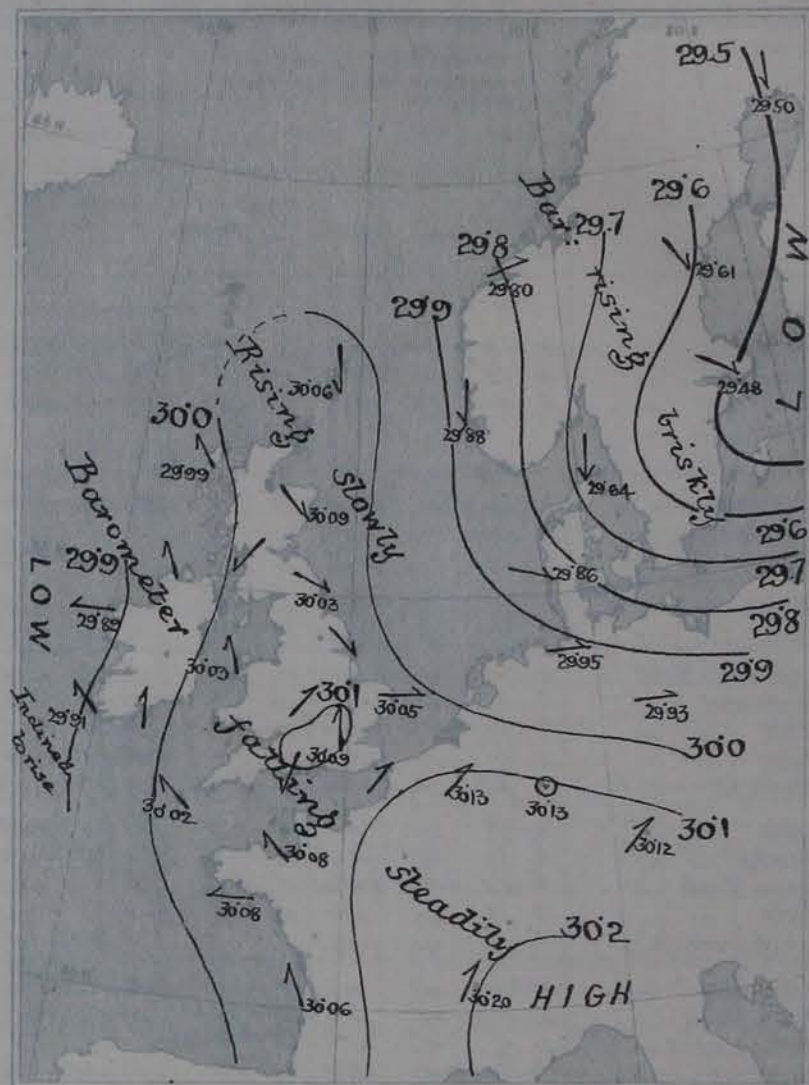
at 8 a.m. for the month of December

During the 20 Years 1871-1890.

STATIONS

MEAN READINGS

| STATIONS | MEAN READINGS |
|---------------|---------------|
| Samburgh Head | 29.873 |
| Stormway | 29.763 |
| Wick | 29.717 |
| Nairn | 29.712 |
| Aberdeen | 29.707 |
| Leith | 29.807 |
| Shields | 29.845 |
| Spurn Head | 29.873 |
| York | 29.890 |
| Loughborough | 29.971 |
| Aldershot | 29.920 |
| Mullaghmore | 29.821 |
| Dunghaden | 29.818 |
| Holyhead | 29.870 |
| Liverpool | 29.845 |
| Parsonstown | 29.901 |
| Valencia | 29.905 |
| Rosco's Point | 29.911 |
| Pembroke | 29.910 |
| Sally | 29.911 |
| Prawle Point | 29.970 |
| Jersey | 29.980 |
| Hurst Castle | 29.958 |
| Dover | 29.933 |
| LONDON | 29.931 |
| Oxford | 29.955 |
| Cambridge | 29.941 |
| Yarmouth | 29.910 |



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.2 in: and upwards, in the southeast of France; 30.0 in: and upwards in a "ridge" extending northwards over the whole of Great Britain.
 Lowest, 29.5 in: and less, over Iceland and the northern parts of the Baltic.
 Gradients slight. Barometer rising in Scandinavia, Denmark, and the east of Scotland; falling in most other localities, but inclined to rise again at Valerius Island.

TEMPERATURE

Highest, 52° at Valerius Island, 50° at Helsingfors and Luleå, 49° at Brøndby, and 48° at Skutumpah.
 Lowest, 2° at Haparanda, 21° at Helsingfors, 28° at Stockholm, Munich and Lyons, and 29° at Wiesbaden.
 During yesterday the thermometer rose to 50° or a little above it in many parts of England and Ireland; in the north of Scotland it did not reach 40°.

WIND

Light from the SE^W in the west and extreme north of our Islands, and also in the west of France.
 W^W or SW^W over Germany, the Netherlands, and the extreme southeast of England.
 Light from the NW^W on our east coast, and moderate to strong from the same quarter or from the N^W in Scandinavia and Denmark.

WEATHER

Dull over the greater part of our Islands, France, and Germany, with mist or fog in many places, and with rain at Leith and Berlin.
 Fine at most of the Scandinavian stations.
 A little rain fell yesterday in many parts of our northern and northwestern districts.

SEA

Moderate to smooth.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Depressions are apparently advancing towards our western coasts from the Atlantic, but there are at present no indications of the approach of any serious disturbance. Dull weather seems likely to continue in most districts, with a little rain in places.

FORECASTS

For the 24 hours ending at NOON on 21st DEC^r 1892.

DISTRICTS.

FORECASTS.

- | | | |
|---|------------------|---|
| 0 | SCOTLAND NORTH | } E ^W and SE ^W winds, light or moderate; fair to dull, with some rain or sleet. |
| 1 | SCOTLAND EAST | |
| 2 | ENGLAND N.E. | } Same as N ^W 5 |
| 3 | ENGLAND EAST | |
| 4 | MIDLAND COUNTIES | |
| 5 | ENGLAND SOUTH | Variable breezes, finally SE ^W ; dull, misty, probably some rain. |

DISTRICTS.

FORECASTS.

- | | | |
|----|---------------|---|
| 6 | SCOTLAND WEST | } SE ^W winds, light or moderate; dull, misty, some rain. |
| 7 | ENGLAND N.W. | |
| 8 | ENGLAND S.W. | } SE ^W winds, freshening; dull, some rain. |
| 9 | IRELAND NORTH | |
| 10 | IRELAND SOUTH | |

WARNINGS

At 7.30 pm, yesterday to districts 0, 1, 6 and 9 "Lower Cone".

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

YESTERDAY'S 2 P.M. REPORTS.

| | BAR. | THER. | | WIND. Direc. | F. | WEA. | SEA. | | BAR. | THER. | | WIND. Direc. | F. | WEA. | SEA. |
|-------------------|-------|-------|------|-----------------|----|------|------|--------------------|-------|-------|------|-----------------|----|------|------|
| | | Dry. | Wet. | | | | | | | Dry. | Wet. | | | | |
| Skudeenaes ... | 29.71 | 36 | 32 | NW | 1 | ohg | 5 | Valencia ... | 30.00 | 51 | 49 | SE | 4 | og | 4 |
| Snmburgh Head ... | 29.86 | 35 | 33 | WNW | 3 | c | 5 | Scilly ... | 30.10 | 51 | 49 | SE | 3 | og | 3 |
| Stornoway ... | 29.98 | 35 | 33 | 2 | 0 | 0 | 3 | Jersey ... | 30.20 | 42 | 40 | SE | 2 | cm | 2 |
| Aberdeen ... | 30.00 | 35 | 36 | NW | 1 | 0 | 2 | Hurst Castle ... | 30.18 | 46 | 44 | WNW | 2 | og | 2 |
| Shields ... | 30.01 | 35 | 40 | WNW | 3 | 0 | 2 | Dungeness ... | 30.17 | 46 | 44 | W | 4 | og | 3 |
| Ardrossan ... | 29.99 | 45 | 48 | SE | 2 | 0 | 2 | North Foreland ... | 30.13 | 45 | 44 | W | 1 | 0 | 2 |
| Malin Head ... | 29.98 | 47 | 46 | WNW | 3 | 0 | 2 | London ... | 30.18 | 45 | 42 | WNW | 1 | ogm | * |
| Mullaghmore ... | 30.02 | 48 | 46 | 0 | 4 | og | 3 | Yarmouth ... | 30.09 | 47 | 45 | W | 3 | og | 3 |
| Belmullet ... | 29.99 | 48 | 46 | SE | 3 | om | * | Rocheport ... | 30.19 | 49 | 47 | SE | 3 | og | * |
| Holyhead ... | 30.10 | 47 | 45 | WNW | 3 | c | 3 | | | | | | | | |

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

Weather in morning fine and bright over Italy and the Adriatic, as well as in the north of Spain, the southwest of France and at Bodo; cloudy or overcast elsewhere - very gloomy, but dry, over the British Islands, very unsettled over the Baltic, Finland, and the northern half of Russia. Snow at St Petersburg and Stockholm, cold rain at Hango. Very slight showers at some of our western and northern stations later and in Germany; considerable snow at Hernöand; sky continuously overcast at most of our own stations.

Temperature fallen somewhat decidedly over Gt Britain and France. Morning readings 60° at Malta, 50° and more on the coasts of Algeria, the south of Spain and at York, 48° at Kelly and Rocher. Lowest (1) 8° at Archangel, 14° at Moscow, 25° at Kuopio, 28° at Napaevand, (2) 24° at L'Anno, 26° at Paris, 30° at Yver; (3) 33° at Lumburgh, 11° 37° at Wick. Rising to between 50° and 52° at several of the Irish stations later and in the southwest of France, not exceeding 41° in the northeast of Scotland.

Wind mainly NE¹ to E² over southern Europe and the Bay of Biscay, SE¹ to S¹ on our southern and western coasts, SW¹ in the northwest, W¹ over England; light to moderate in all these regions. N¹ to NW² moderate at our most northern stations and blowing a gale from the W² and NW² over the southern half of Scandinavia, the Baltic, and Baltic Provinces; SE¹, light, at Moscow, E¹ at Bodo. Becoming S¹ all over Ireland and the Irish Sea later, but remaining light.

Barometer highest, 30.4 in: and more to 30.1 in: all over France, south Germany, Austria, the Mediterranean, Spain, and the southern half of England. Lowest 28.3 in: and less, over the north of Scandinavia, and 28.7 in: in a depression having its centre near St Petersburg. Gradients steep over Scandinavia, Denmark, the Baltic, and Germany, slight in the west and south. Falling a little in our islands later most in the east, rising over Norway and Sweden.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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

„ Weekly „ „ „ „ £1 10 0 „

DAILY WEATHER REPORT

for 8 a.m. on Wednesday, 21st December, 1892.

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

METEOROLOGICAL OFFICE, 65, VICTORIA STREET, LONDON. H. H. SCOTT, Secretary.

| STATIONS. | YESTERDAY EVENING. (See note at bottom of last page.) | | | | | | THIS MORNING. (See note at bottom of last page.) | | | | | | | | | | | PAST 24 HOURS. | | | | |
|-----------------------------|--|-------|---|--------------|----------|--|---|---------------------------|---|--|--------------|--------------|--------------------------------------|------------------|---|--|----------|----------------|---------------------------|------------------------|------|------|
| | Barom. | Temp. | Wind. | | Weather. | | Barometer. | | SHADE TEMP. | | | Wind. | | Sea (0 to 9). | | | Weather. | SHADE TEMP. | | Amount of Rainfall. | | |
| | | | Reading at 32° F. and Sea Level. | Dry Bulb. | | | Direc. | Force (0 to 12). | Reading at 32° F. and Sea Level. | Change since Yester- day Morn. | Dry Bulb. | Wet Bulb. | Change in dry since Yesterday. | | | | | Direc. | Force (0 to 12). | | Max. | Min. |
| | | | | | | | | | | | | | | | | | | | | | | |
| Inch. | ° | | | | Inch. | | ° | ° | ° | | | | | | | | | ° | Inch. | | | |
| SCANDINAVIA. | | | | | | | | | | | | | | | | | | | | | | |
| Häpäranta ... | 29.61 | 2 | N | 2 | b | | 29.55 | +05 | 6 | 6 | +4 | N | 0 | c | # | | b | 19 | 0 | | | |
| Hernösand ... | 29.80 | 18 | NE | 2 | s | | 29.74 | +13 | 17 | 16 | -4 | NE | 4 | s | # | | s | 28 | 16 | 0.16 | | |
| Stockholm ... | 29.80 | 25 | W | 2 | b | | 29.68 | +20 | 28 | 26 | 0 | W | 2 | o | # | | b | 34 | 23 | | | |
| Wisby ... | 29.82 | 33 | N | 0 | o | | 29.73 | | 33 | 32 | | NE | 6 | o | # | | o | 36 | 25 | | | |
| Bojö ... | | | | | | | | | | | | | | | | | | | | | | |
| Christiansund... | 29.88 | 35 | W | 8 | s | | 29.86 | +06 | 35 | 35 | -2 | W | 5 | s | 6 | | s | 37 | 30 | 0.51 | | |
| Skudesnaes ... | 30.07 | 33 | N | 0 | b | | 30.02 | +14 | 33 | 32 | +3 | NE | 2 | o | 2 | | b | 33 | 30 | | | |
| Christiania Fjord (Færd) | 29.92 | 33 | W | 2 | b | | 29.86 | +17 | 32 | 28 | -1 | W | 2 | b | 1 | | b | 37 | 30 | | | |
| Skagen (The Scaw) | 29.96 | 36 | W | 2 | b | | 29.87 | +23 | 37 | 34 | +1 | N | 4 | b | 2 | | b | 39 | 30 | | | |
| Fanø ... | 30.05 | 31 | W | 2 | b | | 30.02 | +16 | 34 | 33 | -4 | W | 2 | b | # | | b | 39 | 28 | | | |
| Sumburgh Head | 30.11 | 36 | NE | 1 | c | | 30.09 | +03 | 34 | 33 | 0 | NE | 1 | o | 3 | | o.c | 38 | 33 | | | |
| Stornoway ... | 29.99 | 41 | SE | 4 | o | | 29.97 | -02 | 42 | 41 | +5 | SE | 3 | 1 | 4 | | o | 43 | 35 | 0.04 | | |
| Wick ... | 29.97 | 39 | S | 3 | bc | | 30.01 | -05 | 42 | 40 | +6 | S | 3 | 0 | 2 | | bc | 42 | 35 | | | |
| Nairn ... | 30.03 | 37 | E | 1 | o | | 30.00 | -05 | 37 | 35 | +2 | N | 0 | o | 1 | | o | 40 | 34 | | | |
| Aberdeen ... | 30.12 | 37 | SE | 2 | og | | 30.07 | -02 | 42 | 41 | +8 | S | 1 | omdp | 2 | | o.d.g | 42 | 34 | 0.03 | | |
| Leith ... | 30.08 | 42 | NE | 2 | o | | 30.05 | -02 | 39 | 39 | -1 | N | 0 | m | # | | o | 42 | 37 | 0.01 | | |
| Shields ... | 30.10 | 46 | SE | 2 | d | | 30.07 | +04 | 42 | 41 | -2 | SSE | 1 | o | 3 | | d | 46 | 39 | 0.05 | | |
| Spurn Head ... | 30.06 | 42 | E | 1 | d | | 30.09 | +06 | 41 | 41 | 0 | SE | 2 | o | 3 | | d | 43 | 40 | 0.15 | | |
| York ... | 30.09 | 43 | SSE | 1 | o | | 30.10 | +05 | 41 | 41 | -1 | S | 1 | f | # | | o | 45 | 41 | | | |
| Loughborough | 30.09 | 42 | ESE | 1 | o | | 30.11 | +03 | 39 | 39 | -2 | N | 0 | ofw | # | | o | 46 | 39 | | | |
| BRITISH ISLANDS. | | | | | | | | | | | | | | | | | | | | | | |
| Ardrossan ... | 30.05 | 40 | NE | 2 | og | | 30.04 | +03 | 41 | 41 | -2 | NE | 1 | pf | 1 | | og | 44 | 37 | 0.02 | | |
| Malin Head ... | 29.92 | 46 | SSE | 4 | om | | 29.90 | -02 | 45 | 43 | +1 | SSE | 4 | o | 2 | | o.m | 46 | 44 | | | |
| Mullaghmore ... | 29.92 | 50 | ESE | 4 | og | | 29.89 | -03 | 49 | 47 | +1 | ESE | 5 | og | 4 | | og | 51 | 47 | | | |
| Belmullet ... | 29.88 | 49 | ESE | 4 | o | | 29.84 | -05 | 48 | 47 | +1 | SE | 4 | o | # | | o | 50 | 45 | 0.01 | | |
| Donaghadee ... | 30.03 | 47 | SSW | 3 | f | | 30.01 | 0.00 | 47 | 47 | +2 | SSE | 4 | c | 2 | | f | 48 | 44 | 0.04 | | |
| Liverpool (Bidston) | 30.06 | 44 | ESE | 1 | o | | 30.06 | -01 | 41 | 40 | -2 | SE | 2 | o | 2 | | o | 46 | 40 | 0.02 | | |
| Holyhead ... | 30.03 | 45 | N | 0 | ogm | | 30.04 | +31 | 43 | 43 | -2 | N | 0 | ogm | 0 | | ogm | 47 | 42 | | | |
| Parsonstown ... | 29.95 | 48 | SE | 1 | o | | 29.93 | -02 | 48 | 47 | +2 | SE | 1 | c | # | | o | 51 | 42 | | | |
| Valencia ... | 29.87 | 52 | SSE | 5 | og | | 29.88 | -03 | 53 | 52 | +1 | SSE | 3 | og | # | | og.t | 54 | 50 | 0.53 | | |
| Roche's Point | 29.97 | 50 | S | 4 | o | | 29.92 | -04 | 50 | 49 | 0 | SSE | 4 | m | 4 | | o | 51 | 49 | | | |
| Pembroke (St. Ann's Hd.) | 30.05 | 47 | ESE | 3 | c | | 30.01 | -02 | 47 | 47 | +1 | ESE | 3 | og | 4 | | o.c | 48 | 45 | | | |
| Scilly ... | 29.99 | 51 | SSE | 4 | o | | 29.98 | -04 | 51 | 51 | +1 | SE | 4 | om | 4 | | bc.o | 54 | 47 | | | |
| Prawle Point ... | 30.04 | 48 | SE | 3 | b | | 30.07 | +01 | 47 | 46 | -2 | SE | 4 | og | 3 | | b | 50 | 44 | | | |
| Jersey (St. Aubin's) | 30.08 | 47 | SSE | 2 | cm | | 30.10 | +02 | 45 | 42 | -2 | SE | 3 | c | 3 | | cm | 48 | 44 | | | |
| Hurst Castle ... | 30.09 | 45 | NE | 2 | m | | 30.11 | +01 | 44 | 43 | -1 | NE | 2 | cm | 1 | | m | 47 | 43 | | | |
| Dungeness ... | 30.10 | 43 | N | 0 | m | | 30.09 | +01 | 41 | 40 | -2 | N | 1 | f | 0 | | o.m | 44 | 40 | | | |
| North Foreland | 30.08 | 42 | W | 1 | o | | 30.08 | 0.00 | 40 | 40 | -1 | W | 1 | cf | 2 | | o.g.m | 43 | 38 | | | |
| London ... | 30.11 | 43 | N | 0 | om | | 30.11 | +02 | 38 | 38 | -4 | SW | 1 | fg | # | | og | 46 | 38 | | | |
| Oxford ... | 30.11 | 41 | S | 1 | o | | 30.11 | +01 | 39 | 38 | -3 | SE | 1 | og | # | | og | 44 | 39 | | | |
| Cambridge ... | 30.10 | 42 | N | 0 | o | | 30.11 | +01 | 39 | 39 | -3 | N | 0 | og | # | | o.m | 48 | 38 | | | |
| Yarmouth ... | 30.06 | 42 | N | 0 | c | | 30.08 | +03 | 42 | 41 | +1 | W | 2 | cf | 3 | | bc.f.c | 44 | 39 | | | |
| GERMANY & HOLLAND. | | | | | | | | | | | | | | | | | | | | | | |
| Cuxhaven ... | 30.04 | 40 | N | 2 | e | | 30.06 | +11 | 34 | 33 | -8 | N | 1 | b | # | | c | 42 | 34 | | | |
| Berlin ... | 30.04 | 34 | W | 3 | b | | 30.06 | +13 | 29 | 28 | -10 | W | 2 | b | # | | b | 45 | 28 | 0.28 | | |
| Wiesbaden ... | | | | | | | 30.12 | -01 | 33 | 33 | +4 | W | 2 | o | # | | # | 34 | 29 | | | |
| Munich ... | 30.11 | 31 | SW | 1 | b | | 30.08 | -04 | 25 | 24 | -3 | SW | 3 | bc | # | | b | 45 | 23 | | | |
| The Helder ... | 30.13 | 41 | E | 1 | c | | 30.13 | | 39 | 38 | | SSW | 1 | c | 1 | | c | 45 | 39 | 0.04 | | |
| FRANCE AND BELGIUM. | | | | | | | | | | | | | | | | | | | | | | |
| Brussels (9 a.m.) | | | | | | | 30.12 | -01 | 34 | 2 | +1 | SW | 2 | f | # | | f | 35 | 33 | | | |
| Cape Gris Nez | 30.04 | 40 | SSW | 1 | m | | 30.05 | -01 | 41 | 40 | +4 | S | 1 | f | # | | m | 41 | 36 | | | |
| Paris ... | 30.16 | 32 | N | 0 | o | | 30.14 | -01 | 32 | 32 | +4 | S | 1 | o | # | | o | 32 | 28 | | | |
| Brest ... | | 49 | SE | 2 | o | | | | 48 | 48 | 0 | SE | 2 | o | 6 | | o | 52 | 46 | | | |
| Lorient ... | 30.04 | 46 | ESE | 4 | c | | 30.06 | -02 | 43 | 43 | -1 | ESE | 5 | o | 5 | | c | 48 | 43 | | | |
| Rochefort ... | 30.06 | 42 | ESE | 3 | m | | 30.06 | 0.00 | 39 | 38 | -2 | E | 3 | m | # | | m | 45 | 36 | | | |
| Belfort ... | | 32 | W | 2 | b | | | | 32 | 30 | +6 | W | 2 | f | # | | b | 45 | 24 | | | |
| Lyons ... | 30.15 | 39 | N | 1 | b | | 30.16 | -04 | 28 | 28 | 0 | N | 1 | f | # | | b | 45 | | | | |
| Nice ... | 30.08 | 48 | E | 1 | c | | 30.03 | -16 | 44 | 41 | +3 | SE | 1 | b | 2 | | c | 54 | 41 | | | |
| Perpignan ... | 30.08 | 49 | N | 0 | o | | 30.05 | -10 | 46 | 46 | -1 | SW | 1 | bc | # | | o | 54 | 46 | 0.24 | | |
| Biarritz ... | 30.06 | 52 | ESE | 3 | b | | 30.06 | +01 | 44 | 43 | -6 | S | 3 | b | 3 | | b | 54 | 41 | | | |
| PENINSULA. | | | | | | | | | | | | | | | | | | | | | | |
| Corunna ... | | | | | | | 30.01 | -06 | 51 | 49 | +7 | E | 4 | o | # | | f | 54 | 44 | | | |
| Lisbon ... | 30.05 | 48 | NE | 2 | f | | | | | | | | | | | | | | | | | |

For Explanation of Columns, see bottom of last page.

† Received too late for insertion in Charts on next page.

WEATHER CHARTS

for 8 a.m. on Wednesday, 21st Dec^r 1892.

BAROMETER, WIND AND SEA.

EXPLANATION OF MAP

BAROMETER—Isobars are drawn for each tenth of an inch. Changes since previous morning are stated in words.

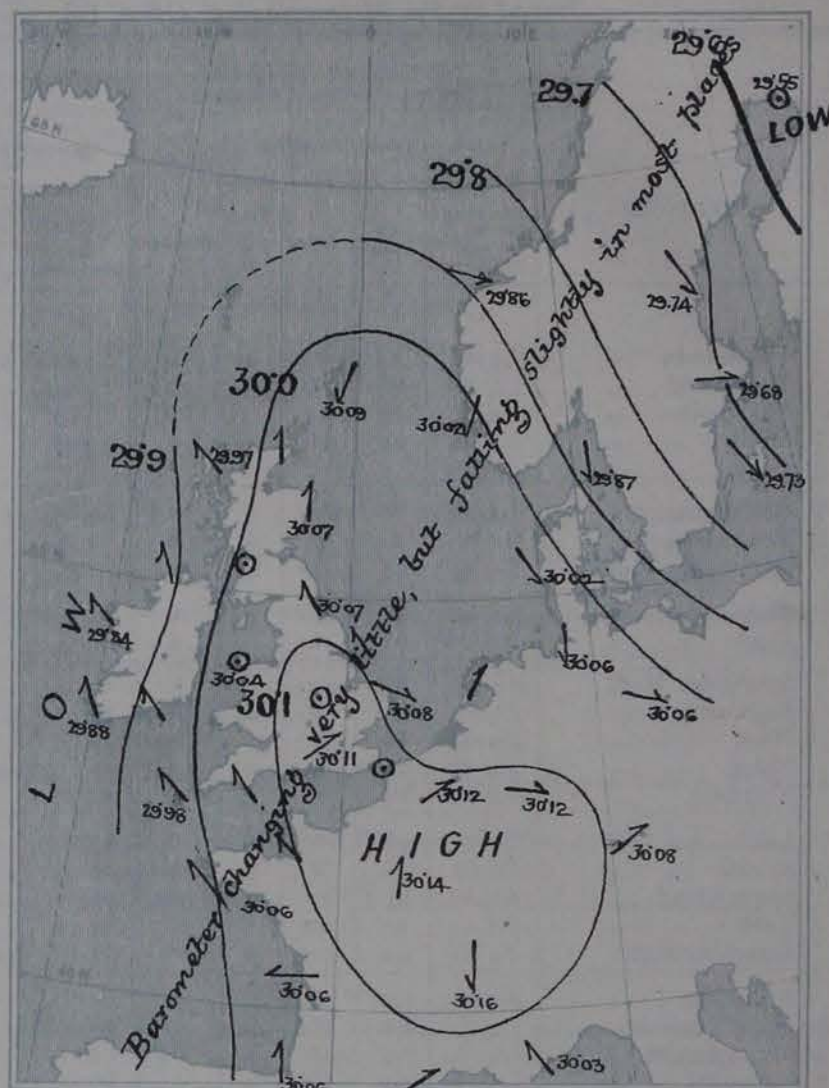
WIND—Arrows show the prevalent winds. They fly with the wind and their bars and feathers refer to force thus—
 — force above 10; — force 8 to 10;
 — force 5 to 7; — force 1 to 4.
 — dead calm.

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

MEAN HEIGHT OF THE BAROMETER

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

| STATIONS. | MEAN READINGS. |
|---------------|----------------|
| Sumburgh Head | 29.673 |
| Stormway | 29.705 |
| Wick | 29.718 |
| Nairn | 29.743 |
| Aberdeen | 29.761 |
| Leith | 29.807 |
| Shields | 29.815 |
| Spurn Head | 29.873 |
| York | 29.890 |
| Loughborough | 29.924 |
| Androssan | 29.929 |
| Mullaghmore | 29.921 |
| Donaghadee | 29.918 |
| Holyhead | 29.879 |
| Liverpool | 29.895 |
| Parsonstown | 29.901 |
| Valencia | 29.905 |
| Roshe's Point | 29.912 |
| Pembroke | 29.916 |
| Silly | 29.951 |
| Praske Point | 29.970 |
| Jersey | 29.983 |
| Hurst Castle | 29.958 |
| Dover | 29.953 |
| LONDON | 29.951 |
| Oxford | 29.955 |
| Cambridge | 29.941 |
| Yarmouth | 29.916 |



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.1 in: and upwards over France, Western Germany, and the central and southeastern parts of England.
 Lowest, 29.6 in: and less, in the north of Sweden; 29.9 in: and less, in a depression lying off the west of Ireland.
 Gradients slight. Barometer changing very slightly, but falling a little in most parts of our area.

TEMPERATURE

Highest, 53° at Valence Island, 51° at Selly and Leiton, 50° at Rocher Point, 49° at Mullaghmore, and 48° at Bilmullet, Larne, and Birt.
 Lowest, 6° at Hafnarvaga, 17° at Helsingfors, 25° at Munich, 28° at Stockholm and Lyons, and 29° at Berlin.
 The maxima registered yesterday were above 50° at some of our western stations, but below 45° on our north and east coasts.

WIND

Light or moderate from the SE² over the greater part of our Islands and France, but variable in the southeast of England.
 Light to fresh from the NW² over Scandinavia, Denmark, and North Germany.

WEATHER

Cloudy or overcast in most places, with fog at many of the English and French stations, rain at Stromsø, and snow at Helsingfors and Christiansund.
 Fine and bright in Denmark, Germany, and the south of France.
 Rain fell yesterday at several of our western, northern, and northeastern stations, the largest amount being 0.5 in: at Valence Island.

SEA

Moderate to smooth on our own coasts, but rough off the northwest of France, as well as at Christiansund.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

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

FORECASTS

For the 24 hours ending at NOON on 22nd DEC: 1892.

DISTRICTS.

FORECASTS.

- | | | |
|---|------------------|--|
| 0 | SCOTLAND NORTH | SE ² winds, freshening; drizzle, some rain. |
| 1 | SCOTLAND EAST | |
| 2 | ENGLAND N.E. | SE ² winds, light or moderate; drizzle, misty, slight rain locally. |
| 3 | ENGLAND EAST | |
| 4 | MIDLAND COUNTIES | Variable or SE ² airs; drizzle, foggy. |
| 5 | ENGLAND SOUTH | |

DISTRICTS.

FORECASTS.

- | | | |
|----|---------------|--|
| 6 | SCOTLAND WEST | Same as Nos 1 and 2. |
| 7 | ENGLAND N.W. | |
| 8 | ENGLAND S.W. | SE ² winds, freshening; drizzle, some rain. |
| 9 | IRELAND NORTH | |
| 10 | IRELAND SOUTH | |

WARNINGS

None issued.

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

YESTERDAY'S 2 P.M. REPORTS.

| | BAR. | THER. | | WIND. | P. | WEA. | SEA. | | BAR. | THER. | | WIND. | P. | WEA. | SEA. |
|-------------------|-------|-------|------|-------|----|------|------|--------------------|-------|-------|------|-------|----|------|------|
| | | Dry. | Wet. | Dir. | | | | | | Dry. | Wet. | Dir. | | | |
| Skudesnaes ... | 30.04 | 30 | 29 | NNE | 4 | 6 | 3 | Valencia ... | 29.90 | 52 | 50 | SSE | 4 | 0 | 4 |
| Sumburgh Head ... | 30.11 | 37 | 37 | NNE | 1 | 0 | 4 | Scilly ... | 30.00 | 53 | 50 | SE | 3 | bc | 4 |
| Stornoway ... | 29.99 | 42 | 41 | SE | 3 | 0 | 4 | Jersey ... | 30.08 | 48 | 46 | SE | 2 | c | 3 |
| Aberdeen ... | 30.12 | 37 | 35 | NW | 1 | 0 | 3 | Hurst Castle ... | 30.04 | 45 | 45 | NE | 3 | om | 1 |
| Shields ... | 30.10 | 43 | 41 | E | 3 | 0 | 3 | Dungeness ... | 30.07 | 44 | 43 | SW | 1 | om | 1 |
| Ardrossan ... | 30.05 | 40 | 40 | NE | 2 | 0 | 1 | North Foreland ... | 30.08 | 42 | 41 | W | 1 | o | 1 |
| Malin Head ... | 29.94 | 46 | 45 | SSE | 3 | 0 | 2 | London ... | 30.09 | 46 | 43 | WSW | 1 | ogm | * |
| Mullaghmore ... | 29.92 | 50 | 47 | SSE | 2 | og | 4 | Yarmouth ... | 30.05 | 44 | 43 | W | 2 | bcf | 3 |
| Belmullet ... | 29.88 | 49 | 47 | SE | 4 | 0 | * | Rocheport ... | 30.07 | 43 | 43 | E | 2 | m | * |
| Holyhead ... | 30.04 | 47 | 46 | SSE | 3 | ogm | 2 | | | | | | | | |

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

Weather in morning fine and bright over south Germany, Austria, at some stations on the southern side of the Mediterranean, over the Spanish Peninsula and Lapland, foggy over Switzerland and northern Italy, dull, gloomy, and hazy in our Islands; overcast and very unsettled in Russia, with snow in many places, rain at Berlin. Very slight rain showers over the northern half of our Islands later, and considerable falls at Valencia and Christiansund, and 0.28 in. at Berlin. Gloomy or hazy over the greater part of England.

Temperature showing some further fall over the greater part of the British Islands, but still high for time of year. Highest readings 50° to 60° at many of the southern, eastern and central stations in the Mediterranean, 50° to 52° on our own southwestern coast. Below 40° over Scotland and at all the stations over Central Europe; lowest of all (1) 2° at Haparanda, 5° at Archangel, 15° at St. Petersburg, 23° at Moscow, (2) 26° at Belfast, 28° at Munich, Lyons and Paris. Ranging from 57° at Kinnity to between 54° and 50° in the west and southwest of our Islands later, but scarcely exceeding 40° on our north and northeast coasts.

Winds light or moderate from the SE³ in the west and extreme north of our Islands and also in the west of France, but light from the NW² on our east coasts, and moderate to strong from the same quarter over Scandinavia, Denmark, the Baltic and the greater part of Russia. W¹ or SW¹ in Germany, variable in Italy and Algeria; NE³ in Spain and the south of France. No important change occurring during day.

Barometer highest 30.2 in. over Italy and Switzerland; 30.1 in. in an anticyclone lying over the greater part of France and southern Europe; 30.0 in. and upwards in a ridge extending thence over Great Britain. Lowest 28.8 in. in a well-marked depression lying over Central Russia, with steep gradients to the westward and southward of the disturbance. Changes over Western Europe very slight during day, but ridge of high readings over Gt. Britain, increasing considerably in size.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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

" Weekly " " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on Thursday, 22nd December, 1892.

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

| PUBLISHED BY THE METEOROLOGICAL OFFICE, 65, VICTORIA STREET, LONDON. R. H. SCOTT, Secretary. | | | | | | | | | | | | | | | | | | | |
|--|-------------------------------|--|-------|---|--------------|----------|---|---------------------------|---|--|--------------|--------------|--------------------------------------|----------|------------------|----------|----------------|---------------------------|------------------------|
| STATIONS. | | YESTERDAY EVENING. (See note at bottom of last page.) | | | | | THIS MORNING. (See note at bottom of last page.) | | | | | | | | | | PAST 24 HOURS. | | |
| | | Barom. | Temp. | Wind. | | Weather. | Barometer. | | Shade Temp. | | | Wind. | | Weather. | Sea (0 to 9). | Weather. | Shade Temp. | | Amount of Rainfall. |
| | | | | Reading at 32° F. and Sea Level. | Dry Bulb. | | Dir. | Force (0 to 12). | Reading at 32° F. and Sea Level. | Change since Yester- day Morn. | Dry Bulb. | Wet Bulb. | Change in dry since Yesterday. | | | | Dir. | Force (0 to 12). | |
| | | Inch. | ° | | | | Inch. | | ° | ° | ° | | | | | | ° | ° | Inch. |
| SCANDINAVIA. | Haparanda ... | 29.89 | 5 | Z | 0 | c | 30.08 | + 53 | 2 | 1 | - 4 | Z | 0 | b | # | c | 9 | 1 | 0.04 |
| | Hernösand ... | 29.86 | 14 | NW | 2 | b | 30.03 | + 29 | 11 | 10 | - 6 | NW | 4 | b | # | b | 19 | 9 | 0.04 |
| | Stockholm ... | 29.74 | 21 | W | 6 | s | 29.86 | + 18 | 15 | 14 | - 13 | NW | 6 | c | # | s | 28 | 2 | 0.04 |
| | Wisby ... | 29.75 | 32 | N | 8 | bc | 29.85 | + 12 | 25 | 23 | - 8 | N | 8 | b | # | bc | 36 | ? | 0.04 |
| | Bodö ... | | | | | | | | | | | | | | | | | | |
| | Christiansund... | 30.09 | 30 | SE | 4 | b | 30.18 | + 32 | 31 | 29 | - 4 | SW | 4 | s | 4 | b | 35 | 28 | 0.08 |
| | Skudesnaes ... | 30.08 | 31 | NNE | 2 | b | 30.15 | + 13 | 32 | 29 | - 1 | E | 4 | o | 2 | b | 34 | 30 | - |
| | Christiania Fjord (Færder) | 29.95 | 31 | NW | 2 | b | 30.09 | + 23 | 28 | 22 | - 4 | NW | 4 | b | 1 | b | 32 | 27 | - |
| | Skagen (The Scaw) | 29.98 | 35 | N | 1 | b | 30.08 | + 21 | 32 | 31 | - 5 | NNE | 3 | bc | 1 | b | 37 | 30 | - |
| | Fanö ... | 30.02 | 36 | NW | 4 | o | 30.10 | + 08 | 28 | 27 | - 6 | N | 3 | b | # | o | 39 | 27 | - |
| ISLANDS. | Sumburgh Head | 30.10 | 35 | NNE | 1 | c | 30.11 | + 02 | 37 | 34 | + 3 | SE | 2 | c | 3 | c | 38 | 32 | - |
| | Stornoway ... | 29.95 | 44 | S | 3 | r | 29.97 | - 00 | 45 | 43 | + 3 | SE | 3 | o | 4 | o.c | 46 | 40 | 0.05 |
| | Wick ... | 30.01 | 42 | SE | 3 | o | 30.00 | - 01 | 43 | 43 | + 1 | SE | 5 | ru | 5 | o | 44 | 40 | 0.08 |
| | Nairn ... | 29.99 | 39 | Z | 0 | o | 29.99 | - 01 | 39 | 37 | + 2 | Z | 0 | of | 1 | o | 39 | 34 | 0.06 |
| | Aberdeen ... | 30.05 | 38 | SW | 1 | o | 30.05 | - 02 | 42 | 41 | - 0 | S | 1 | ogmr | 2 | om | 43 | 38 | 0.06 |
| | Leith ... | 30.06 | 41 | Z | 0 | o | 30.03 | - 02 | 40 | 40 | + 1 | E | 1 | om | # | o | 42 | 38 | 0.01 |
| | Shields ... | 30.08 | 42 | Z | 0 | o | 30.05 | - 02 | 37 | 37 | - 5 | SSW | 1 | f | 2 | o.f | 43 | 35 | - |
| | Spurn Head ... | 30.09 | 41 | SSE | 3 | om | 30.07 | - 02 | 39 | 39 | - 2 | S | 2 | f | 2 | om.f | 41 | 37 | - |
| | York ... | 30.09 | 42 | S | 1 | o | 30.08 | - 02 | 36 | 36 | - 5 | Z | 0 | f | # | o | 45 | 35 | - |
| | Loughborough | 30.12 | 42 | SE | 1 | o | 30.09 | - 02 | 35 | 35 | - 4 | SE | 1 | cmw | # | o | 44 | 35 | - |
| BRITISH ISLANDS. | Ardrossan ... | 30.03 | 42 | NNE | 1 | rf | 30.01 | - 03 | 40 | 40 | - 1 | NNE | 1 | bef | 1 | rf | 42 | 38 | 0.01 |
| | Malin Head ... | 29.91 | 47 | S | 4 | o | 29.92 | + 02 | 43 | 42 | - 2 | SSE | 4 | b | 2 | or | 48 | 42 | 0.41 |
| | Mullaghmore ... | 29.92 | 51 | SSE | 4 | ogm | 29.87 | - 02 | 47 | 45 | - 2 | ESE | 5 | c | 4 | o.mg | 52 | 46 | 0.02 |
| | Belmullet ... | 29.88 | 50 | SSE | 4 | o | 29.80 | - 04 | 47 | 45 | - 1 | E | 3 | bc | # | og | 51 | 46 | 0.03 |
| | Donaghadee ... | 30.02 | 48 | SSE | 3 | c | 29.98 | - 03 | 46 | 46 | - 1 | SSE | 5 | bc | 3 | c | 48 | 46 | - |
| | Liverpool (Bldston) | 30.08 | 44 | SE | 3 | o | 30.05 | - 01 | 36 | 34 | - 5 | SE | 2 | c | 2 | o | 45 | 36 | - |
| | Holyhead ... | 30.04 | 47 | S | 1 | ogm | 29.99 | - 05 | 39 | 38 | - 4 | ESE | 1 | b | 1 | ogm | 48 | 39 | - |
| | Parsonstown ... | 29.93 | 50 | SE | 1 | o | 29.84 | - 09 | 46 | 44 | - 2 | SE | 1 | og | # | o | 51 | 45 | 0.06 |
| | Valencia ... | 29.87 | 52 | SE | 4 | omp | 29.69 | - 19 | 50 | 48 | - 3 | ESE | 6 | og | 4 | o.p.m | 53 | 49 | 0.29 |
| | Roche's Point | 29.93 | 50 | SSE | 4 | m | 29.78 | - 14 | 49 | 48 | - 1 | SE | 6 | o | 5 | m.p | 51 | 48 | 0.05 |
| GERMANY & HOLLAND. | Pembroke (St. Ann's Hd.) | 30.01 | 48 | SE | 3 | c | 29.90 | - 11 | 45 | 44 | - 2 | ESE | 6 | om | 6 | o.c | 48 | 44 | - |
| | Scilly ... | 29.94 | 52 | SE | 4 | m | 29.78 | - 20 | 49 | 48 | - 2 | SE | 5 | c | 5 | om | 53 | 47 | - |
| | Prawle Point ... | 30.02 | 47 | SE | 4 | o | 29.94 | - 13 | 45 | 43 | - 2 | ESE | 5 | og | 4 | og | 47 | 44 | - |
| | Jersey (St. Aubin's) | 30.05 | 44 | SSE | 3 | bm | 29.97 | - 13 | 43 | 39 | - 2 | SE | 5 | em | 4 | bc.m | 49 | 42 | - |
| | Hurst Castle ... | 30.10 | 44 | E | 1 | m | 30.01 | - 10 | 42 | 41 | - 2 | E | 14 | om | 1 | m | 46 | 40 | - |
| | Dungeness ... | 30.10 | 40 | NNE | 1 | f | 30.05 | - 04 | 41 | 40 | - 0 | SE | 1 | m | 1 | b.f | 44 | 40 | - |
| | North Foreland | 30.12 | 42 | NW | 1 | c | 30.07 | - 01 | 42 | 41 | + 2 | NW | 1 | ogm | 2 | c.m | 43 | 39 | - |
| | London ... | 30.11 | 37 | Z | 0 | f | 30.08 | - 03 | 38 | 38 | - 5 | Z | 0 | f | # | g.f.bf | 46 | 32 | - |
| | Oxford ... | 30.13 | 34 | Z | 0 | b | 30.08 | - 03 | 29 | 29 | - 10 | NNE | 1 | bm | # | o.bf | 44 | 28 | - |
| | Cambridge ... | 30.13 | 40 | Z | 0 | o | 30.10 | - 01 | 37 | 37 | - 2 | E | 1 | o | # | m | 42 | 34 | - |
| FRANCE AND BELGIUM. | Yarmouth ... | 30.09 | 42 | NNE | 1 | c | 30.08 | - 00 | 42 | 41 | - 0 | E | 3 | cg | 3 | c.g.c | 43 | 40 | - |
| | Cuxhaven ... | 30.05 | 38 | NW | 1 | c | 30.09 | + 03 | 37 | 36 | + 3 | N | 1 | c | # | c | 38 | 34 | - |
| | Berlin ... | 30.04 | 31 | W | 2 | b | 30.04 | - 02 | 33 | 33 | + 4 | W | 2 | o | # | b | 34 | 29 | - |
| | Wiesbaden ... | * | * | * | * | * | 30.10 | - 02 | 32 | 32 | - 1 | W | 2 | o | # | * | 34 | 32 | - |
| | Munich ... | 30.08 | 29 | W | 3 | o | 30.05 | - 03 | 28 | 28 | + 3 | E | 2 | o | # | o | 34 | 25 | 0.04 |
| | The Helder ... | | | | | | | | | | | | | | | | | | |
| | Brussels (9 a.m.) | * | * | * | * | * | 30.10 | - 02 | 34 | 34 | - 0 | EHE | 2 | c | # | r | 38 | 34 | - |
| | Cape Gris Nez | 30.07 | 40 | EHE | 1 | m | 30.06 | + 04 | 40 | 39 | - 1 | ESE | 1 | m | 1 | m | 46 | 36 | - |
| | Paris ... | 30.14 | 35 | SSW | 1 | o | 30.07 | - 07 | 32 | 32 | - 0 | NNE | 2 | b | # | o | 37 | 32 | - |
| | Brest ... | ? | 48 | SE | 3 | m | ? | ? | 44 | 44 | - 4 | SE | 4 | o | 4 | m | 50 | 43 | - |
| PENINSULA. | Lorient ... | 30.01 | 44 | ESE | 5 | o | 29.87 | - 19 | 41 | 39 | - 2 | ESE | 6 | o | 5 | o | 48 | 41 | - |
| | Rochefort ... | 30.02 | 44 | SE | 3 | bc | 29.90 | - 16 | 39 | 38 | - 0 | SSE | 4 | f | # | m.bc | 48 | 36 | - |
| | Belfort ... | ? | 29 | NNE | 3 | c | ? | ? | 32 | 30 | - 0 | NNE | 2 | f | # | c | 32 | 28 | - |
| | Lyons ... | 30.12 | 33 | NW | 1 | o | 30.06 | - 10 | 38 | 32 | + 5 | NW | 1 | f | # | o | 33 | 28 | - |
| | Nice ... | 29.99 | 47 | Z | 0 | b | 29.97 | - 06 | 45 | 41 | + 1 | E | 1 | c | 2 | b | 55 | 44 | - |
| | Perpignan ... | 30.00 | 46 | Z | 0 | b | 29.98 | - 07 | 40 | 40 | - 6 | SSW | 1 | o | # | b | 59 | 37 | - |
| | Biarritz ... | 29.99 | 53 | EHE | 2 | b | 29.89 | - 17 | 43 | 39 | - 1 | S | 3 | bc | 2 | b | 57 | 37 | - |
| | Corunna ... | 29.93 | 54 | SE | 4 | r | 29.90 | - 11 | 55 | 55 | + 4 | ESE | 4 | r | # | * | 55 | 51 | 0.35 |
| | Lisbon ... | | | | | | | | | | | | | | | | | | |

For Explanation of Columns, see bottom of last page.

† Received too late for insertion in Charts on next page.

WEATHER CHARTS

for 8 a.m. on Thursday, 22nd December, 1892.

BAROMETER, WIND AND SEA.

EXPLANATION OF MAP

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

Changes since previous morning are stated in words.

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

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

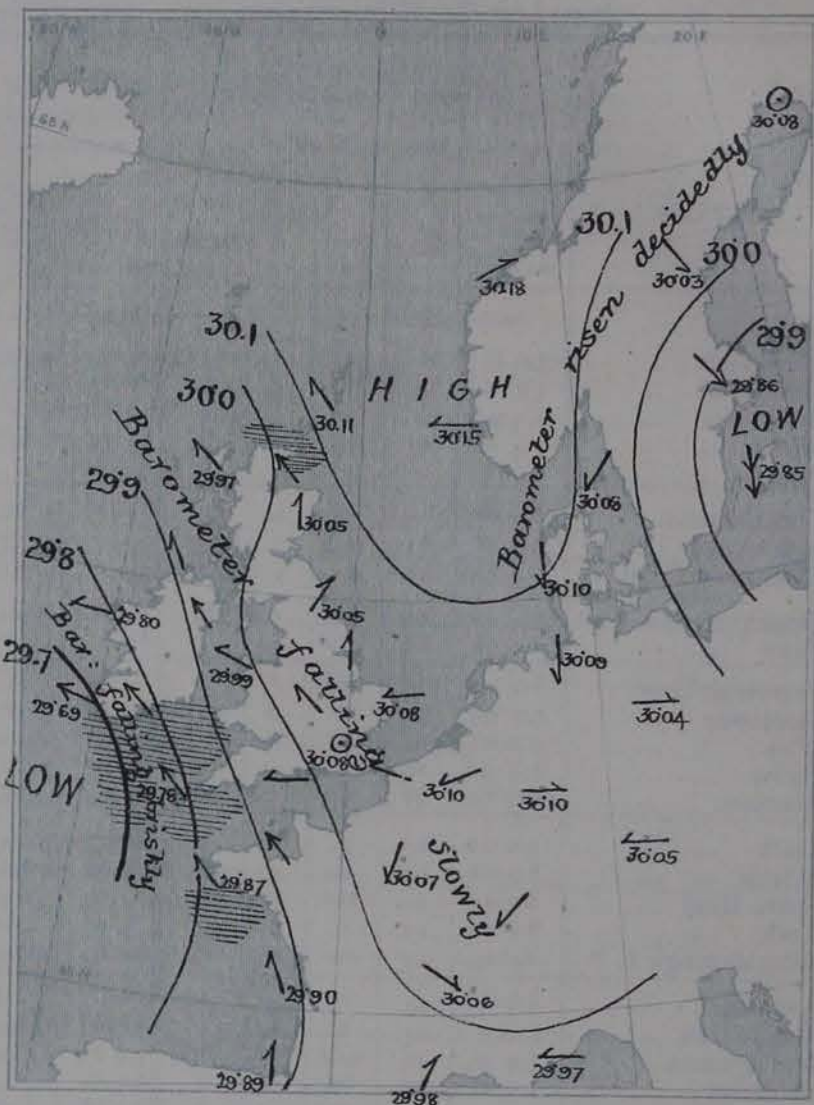
SEA DISTURBANCE—Where considerable, is shown thus—

☐ Rough. ☐ High.

MEAN HEIGHT OF THE BAROMETER

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

| STATIONS. | MEAN READINGS. |
|-----------------|----------------|
| Sunbury Head | 29.767 |
| Stornoway | 29.703 |
| Wick | 29.715 |
| Nairn | 29.713 |
| Aberdeen | 29.707 |
| Leith | 29.807 |
| Shields | 29.815 |
| Spurn Head | 29.874 |
| York | 29.890 |
| Loughborough | 29.921 |
| Andros | 29.890 |
| Mullaghmore | 29.821 |
| Donaghadee | 29.816 |
| Holyhead | 29.879 |
| Liverpool | 29.864 |
| Parsonstown | 29.901 |
| Valencia | 29.903 |
| Rodriguez Point | 29.912 |
| Pembroke | 29.946 |
| Sally | 29.955 |
| Prætor Point | 29.970 |
| Jersey | 29.985 |
| Hurst Castle | 29.959 |
| Dover | 29.952 |
| LONDON | 29.951 |
| Oxford | 29.953 |
| Cambridge | 29.911 |
| Vermouth | 29.916 |



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

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

WEATHER—is shown by Letters of the Beaufort Scale.

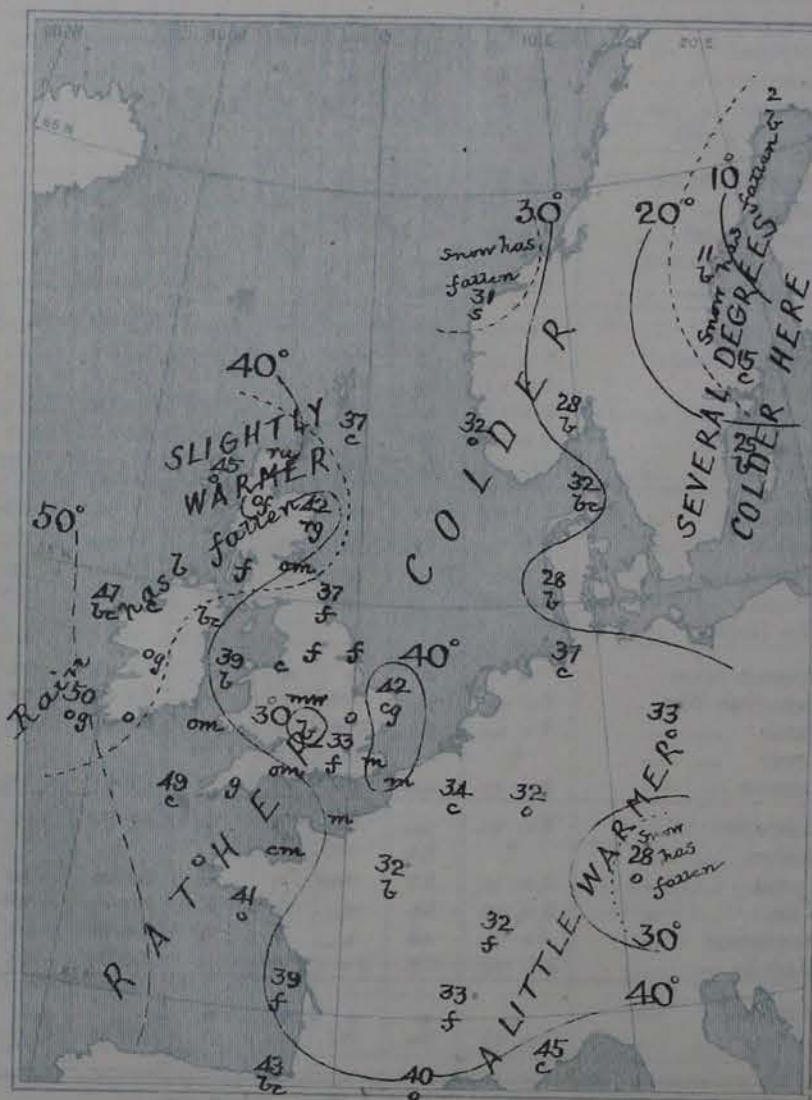
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of December.)

| STATIONS. | TEMPERATURE | | | | RAINFALL Inches. |
|-----------------|---------------|---------------|--------------|----------------|---------------------|
| | Daily Max. | Daily Min. | MEAN Day. | MEAN Night. | |
| Sunbury Head | 52.6 | 35.2 | 39.6 | 38.1 | 1.47 |
| Stornoway | 43.1 | 31.2 | 39.4 | 38.5 | 3.00 |
| Wick | 42.2 | 32.7 | 38.1 | 36.8 | 3.10 |
| Nairn | 41.9 | 32.8 | 37.1 | 35.6 | 1.04 |
| Aberdeen | 41.9 | 32.6 | 36.4 | 35.2 | 0.21 |
| Leith | 41.0 | 33.7 | 38.5 | 37.0 | 1.80 |
| Shields | 42.9 | 33.9 | 38.3 | 36.9 | 2.57 |
| Spurn Head | 42.4 | 33.3 | 38.8 | 37.7 | 2.14 |
| York | 42.3 | 32.3 | 36.4 | 35.4 | 2.28 |
| Loughborough | 42.7 | 32.2 | 36.4 | 35.4 | 2.24 |
| Andros | 41.6 | 35.9 | 40.0 | 38.7 | 3.73 |
| Mullaghmore | 40.5 | 37.8 | 39.2 | 39.8 | 1.01 |
| Donaghadee | 40.8 | 38.2 | 40.2 | 39.3 | 2.81 |
| Holyhead | 40.4 | 39.1 | 42.8 | 41.1 | 3.87 |
| Liverpool | 40.6 | 39.0 | 39.8 | 38.7 | 2.60 |
| Parsonstown | 41.7 | 33.1 | 37.8 | 36.6 | 3.01 |
| Valencia | 40.7 | 40.0 | 41.0 | 42.1 | 5.30 |
| Rodriguez Point | 40.9 | 38.9 | 42.0 | 41.6 | 1.03 |
| Pembroke | 40.8 | 40.7 | 41.0 | 42.2 | 3.09 |
| Sally | 40.5 | 40.4 | 41.0 | 43.1 | 1.02 |
| Prætor Point | 41.0 | 38.2 | 42.5 | 44.1 | 4.50 |
| Jersey | 41.1 | 39.3 | 43.1 | 44.4 | 3.82 |
| Hurst Castle | 40.3 | 36.3 | 40.6 | 39.8 | 2.78 |
| Dover | 41.3 | 35.9 | 44.8 | 35.6 | 3.00 |
| LONDON | 44.0 | 38.0 | 41.8 | 39.7 | 2.10 |
| Oxford | 42.9 | 35.0 | 37.9 | 35.9 | 2.10 |
| Cambridge | 42.8 | 31.0 | 36.2 | 35.6 | 1.88 |
| Vermouth | 41.0 | 33.2 | 37.0 | 37.0 | 2.60 |

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



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.1 ins. and upwards, in an anticyclone lying over Norway and the North Sea.
 Lowest, 29.7 ins. and less, in a depression lying to the southwestward of our Islands; 29.9 ins. and less, in another system lying over the Baltic.
 Gradients moderate, and increasing, over our western coasts, slight elsewhere.
 Barometer falling at all but the Scandinavian and Danish stations, — briskly, on our southwest coasts.

TEMPERATURE

Highest, 55° at Lybow, 50° at Valneria Island, 49° at Rostock, and 47° at Bilmullet and Mullaghmore.
 Lowest, 2° at Haparanda, 11° at Harnosand, 15° at Stockholm, 25° at Wistby, 28° at Munich, and 29° at Oxford.
 During yesterday the thermometer rose to 50° or a little above on several parts of our western coasts, but at our northern and eastern stations it did not reach 45°.

WIND

Strong from the SE² on our southwest coasts; light or moderate from the same quarter in the northwest and north of our Islands and also in the west of France.
 Light from the E² in the southeast of England; N¹ or NW¹ in Sweden and Denmark, with a gale at Wistby; light from the W² in Germany.

WEATHER

Foggy in the east and southeast of England, as well as at some of the French stations.
 Dull on our southwest coasts, and rainy in the east of Scotland, but fine at most of our northwestern stations.
 Fine also in Sweden and Denmark, but dull in Germany.
 Rain fell yesterday in most parts of Ireland and Scotland, the largest amount being 0.4 inch at Malin Hd.

SEA

Rough on our southwest coasts and rather rough at Wick, but moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression which is approaching our southwest coast seems likely to occasion gales from the SE² in the coast, and freshening winds in most other parts of the Kingdom. Rain or sleet is probable in nearly all districts.

FORECASTS

For the 24 hours ending at NOON on 23rd DEC. 1892.

DISTRICTS.

FORECASTS.

| | | |
|---|------------------|---|
| 0 | SCOTLAND NORTH | SE ² winds, increasing in force; dull, some rain. |
| 1 | SCOTLAND EAST | |
| 2 | ENGLAND N.E. | Same as No 5 |
| 3 | ENGLAND EAST | |
| 4 | MIDLAND COUNTIES | |
| 5 | ENGLAND SOUTH | E ² and SE ² winds, freshening; foggy at first then dull with some rain or sleet. |

DISTRICTS.

FORECASTS.

| | | |
|----------|---------------|--|
| 6 | SCOTLAND WEST | Same as No 0 and 1. |
| 7 | ENGLAND N.W. | |
| 8 | ENGLAND S.W. | SE ² and S ² winds, increasing to a gale; dull, rainy. |
| 9 | IRELAND NORTH | |
| 10 | IRELAND SOUTH | |
| WARNINGS | | At 10.20 am to districts 7 to 10. "Horst South Cone" |

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

YESTERDAY'S 2 P.M. REPORTS.

| | BAR. | THER. | | WIND. | F. | WEA. | SEA. | | BAR. | THER. | | WIND. | F. | WEA. | SEA. |
|-------------------|-------|-------|------|-------|----|------|------|--------------------|-------|-------|------|-------|----|------|------|
| | | Dry. | Wet. | Dir. | | | | | | Dry. | Wet. | Dir. | | | |
| Skudesnaes ... | 30.06 | 32 | 32 | HW | 4 | S | 2 | Valencia ... | 29.88 | 52 | 52 | SSE | 4 | om | 4 |
| Sumburgh Head ... | 30.10 | 35 | 33 | NNE | 2 | C | 3 | Scilly ... | 29.97 | 53 | 52 | SE | 4 | om | 4 |
| Stornoway ... | 29.97 | 45 | 45 | S | 4 | 0 | 4 | Jersey ... | 30.05 | 46 | 44 | SSE | 2 | bc | 2 |
| Aberdeen ... | 30.05 | 42 | 40 | SSW | 1 | om | 2 | Hurst Castle ... | 30.10 | 46 | 44 | ESE | 1 | m | 1 |
| Shields ... | 30.08 | 43 | 42 | SSW | 2 | 0 | 2 | Dungeness ... | 30.09 | 44 | 43 | W | 1 | b | 3 |
| Ardrossan ... | 30.07 | 42 | 42 | NE | 1 | 1 | 1 | North Foreland ... | 30.05 | 43 | 42 | WNW | 1 | c | 1 |
| Malin Head ... | 29.89 | 47 | 47 | S | 4 | 0 | 2 | London ... | 30.11 | 46 | 43 | Z | 0 | vgf | * |
| Mullaghmore ... | 29.90 | 51 | 49 | SE | 5 | vg | 4 | Yarmouth ... | 30.07 | 43 | 42 | NNE | 3 | c g | 3 |
| Behmullet ... | 29.86 | 51 | 50 | SE | 4 | vg | * | Rocheport ... | 30.05 | 44 | 41 | SE | 3 | m | * |
| Holyhead ... | 30.04 | 48 | 46 | S | 1 | vg | 1 | | | | | | | | |

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

Weather cloudy or dull over the greater part of our Islands and the Continent with fog at many of the English and French stations, rain in the west of Scotland and snow in some parts of Finland and Scandinavia, as well as at Moscow. Fine and bright in Denmark and North Germany. Rain falling later at most of the Irish and Scotch stations and also at Lisbon.

Temperature fallen quickly in Russia, risen in many parts of southern Europe, changed irregularly elsewhere. Morning readings highest 62° at Malta, 57° at Cagliari, and 55° at Barcelona and Algiers above 50° at most of the Mediterranean stations, as well as in the extreme southwest of our Islands. Lowest 1° Fahrenheit at St. Petersburg, +3° at Uleaborg, 6° at Haparanda and 8° at Helsingfors, below 10° in most parts of northern Russia, and below the freezing point over the greater part of Northern, Central, and Eastern Europe, as well as over Central Spain. Rising during day to 50° or a little above on many parts of our west and southwest coasts. Frost occurring over England at night.

Winds light or moderate from the SE² over the greater part of our Islands and France as well as in the western parts of the Iberian Peninsula, variable over the Netherlands, the southeast of England and the central parts of France. Light or moderate from the Nnd or NWnd over Scandinavia, Denmark, Russia and north Germany; W³ in Austria, E³ or SE³ in Italy, SE³ in Tunis, NW³ in Algeria. No important change occurring over Western Europe during day.

Barometer highest 30.2 in: and upwards over Central Spain, 30.1 in: and upwards over France, Western Germany, and the central and southeastern parts of England. Lowest 29.4 in: and less in a shallow depression lying over Central Russia; 29.8 in: and less, in a well marked disturbance over Tunis; 29.9 in: and less, in a system lying to the west of our Islands. No important change later.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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

" Weekly " " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on Friday, 23rd December, 1892.

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

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

| STATIONS. | YESTERDAY EVENING. (See note at bottom of last page.) | | | | | | THIS MORNING. (See note at bottom of last page.) | | | | | | | | | | PAST 24 HOURS. | | | |
|---|--|----------------------------------|----------------------------------|----------------------------|------------------------------|--|---|----------------------------------|----------------------------------|---------------------------------|---------------------------------|----------------------------|---------------------------------|----------------------------|---|----------------------------------|----------------------------------|-------------------------------------|------|------|
| | Barom. | Temp. | Wind. | | Weather. | | Barometer. | | Shade Temp. | | | Wind. | | Sea (0 to 9). | Weather. | Shade Temp. | | Amount of Rainfall. | | |
| | | | Reading at 32° F. and Sea Level. | Dry Bulb. | | | Dirac. | Force (0 to 12). | Reading at 32° F. and Sea Level. | Change since Yesterday Morn. | Dry Bulb. | Wet Bulb. | Change in dry since Yesterday. | | | Dirac. | Force (0 to 12). | | Max. | Min. |
| Ins. | ° | | | | | Ins. | | ° | ° | | | | | | | | | ins. | | |
| SCANDINAVIA. Haparanda ... Hernösand ... Stockholm ... Wisby ... Bodö ... | 30.30 | -12 | Z | 0 | b | 30.20 | +12 | 2 | 1 | 0 | 11 | 2 | 0 | # | 6 | 9 | -13 | - | | |
| Christiansund... Skudesnaes ... Christiania Fjord (Farder) Skagen (The Seaw) Fanö ... | 30.22 30.25 30.19 30.20 30.24 | 31 30 30 32 24 | SE E NW NE NE | 2 2 5 2 2 | c b b b b | 30.19 30.27 30.23 30.30 30.29 | +01 +12 +19 +22 +19 | 33 32 26 25 24 | 31 29 24 23 23 | +2 0 -2 -7 -4 | SW ENE Z ENE NE | 4 4 0 1 1 | bc c c b b | 4 2 1 0 * | c 0.6 b b b | 34 32 30 34 30 | 30 29 29 25 24 | 0.08 - - - - | | |
| Sumburgh Head Sornoway ... Wick ... Nairn ... Aberdeen ... | 30.15 29.99 30.06 30.02 30.08 | 38 44 43 39 43 | SE S SSE Z S | 2 2 4 0 1 | bc 0 0 0 ogpm | 30.11 30.03 30.05 30.07 30.11 | -00 +06 +05 +08 +06 | 41 35 42 35 40 | 40 32 41 33 39 | +4 -10 -1 -4 -2 | NE N S Z SSW | 2 3 1 0 3 | 0 6 f f bc | 4 3 1 0 2 | c, 0 0 0 0 og, p | 41 47 45 41 43 | 36 32 40 34 40 | - 0.02 0.10 0.02 0.10 | | |
| Leith ... Shields ... Spurn Head ... York ... Loughborough | 30.05 30.08 30.08 30.09 30.08 | 41 40 41 38 40 | NE SSW ESE S ESE | 1 1 4 1 1 | 0 om ov 0 0 | 30.14 30.16 30.15 30.17 30.12 | +11 +11 +08 +09 +03 | 33 39 38 35 36 | 33 37 35 34 35 | -7 +2 -1 -1 +1 | ESE SSE ESE ESE ESE | 1 3 5 1 2 | bm c cv b om | 4 3 4 # # | 0 f, 0 ov, p 0 0 | 42 40 41 39 41 | 31 33 37 38 32 | - - 0.03 - - | | |
| ARDROSSAN Malin Head ... Mullaghmore ... Behnullet ... Donaghadee ... | 30.04 29.90 29.87 29.77 29.99 | 37 43 45 46 46 | NE SE SE ESE ESE | 1 5 4 6 6 | bf bcm c 0 b | 30.09 29.91 29.88 29.78 30.03 | +08 -01 +01 -02 +05 | 34 38 43 44 41 | 33 36 40 42 40 | -6 -5 -4 -3 -5 | ENE SE ESE ESE SE | 1 5 6 6 6 | bm b om 0 bcq | 1 2 5 # 4 | bf, f 0.6c c, om og, 0 b | 42 45 47 48 47 | 33 38 42 43 40 | - - - - - | | |
| BRITISH ISLANDS. Liverpool (Bidston) Holyhead ... Parsonstown ... Valencia ... Roche's Point | 30.01 29.97 29.83 29.68 29.77 | 37 39 45 50 48 | ESE ESE SE ESE SE | 2 1 1 6 6 | f b 0 ogm 0 | 30.09 30.01 29.86 29.65 29.81 | +04 +02 +02 -04 +03 | 35 35 41 51 48 | 33 33 38 49 47 | -1 -4 -5 +1 -1 | E ESE SE ESE SSE | 2 1 2 7 8 | b b og og op | 2 1 # 6 5 | f m, b 0, q ogm op | 42 45 51 52 50 | 34 35 40 48 45 | - - - 0.03 0.10 | | |
| Pembrokeshire (St. Ann's Rd.) Scilly ... Prawle Point ... Jersey (St. Aubin's) Hurst Castle ... | 29.86 29.75 29.91 29.96 29.99 | 45 47 42 44 43 | ESE ESE E SSE E | 5 6 6 3 5 | c T T 0 c | 29.92 29.79 29.93 29.99 30.02 | +02 +01 -01 +02 +01 | 38 47 43 42 39 | 37 47 40 40 37 | -7 -2 -2 -1 -3 | E ESE E ESE E | 7 6 7 4 6 | c, q om ogmu opm cm | 6 5 5 3 3 | 0, c f p c, T c | 45 49 45 44 46 | 37 45 40 39 37 | - 0.20 0.01 0.05 - | | |
| Dungeness ... North Foreland London ... Oxford ... Cambridge ... Yarmouth ... | 30.03 30.05 30.02 30.06 30.08 30.09 | 41 40 37 37 35 40 | ESE ESE E E E ESE | 4 4 1 1 1 5 | bc bq b b b c | 30.07 30.09 30.09 30.13 30.12 30.13 | +02 +02 +01 +05 +02 +05 | 37 39 35 27 37 37 | 35 35 32 26 36 34 | -4 -3 +2 -2 0 -5 | ESE ESE E NE E E | 6 3 3 1 1 5 | bc c, q bc 0 0 c | 4 3 # # # 4 | c, bc f, bq f, b f, b 0, b c | 46 42 41 38 42 43 | 35 38 31 27 31 35 | - - - - - - | | |
| GERMANY & HOLLAND. Cuxhaven ... Berlin ... Wiesbaden ... Munich ... The Helder ... | 30.17 30.14 30.01 30.01 30.18 | 32 27 # 29 36 | NE NE # SE E | 3 3 # 3 3 | b b 0 0 c | 30.24 30.19 30.08 29.99 30.25 | +15 +15 -02 -06 +10 | 32 23 33 27 30 | 30 22 32 26 28 | -5 -10 +1 -1 -3 | NE NW NE NE E | 3 3 3 5 5 | b b 0 0 b | # # # # 3 | b b # # c | 37 37 36 30 41 | 29 21 30 27 30 | - - - 0.04 - | | |
| FRANCE AND BELGIUM. Brussels (o.a.m.) Cape Gris Nez Paris ... Brest ... Lorient ... | # 30.01 29.99 ? 29.83 | # 33 35 44 40 | # E NE SE ESE | # 4 2 4 6 | # m 0 T T | 30.06 30.03 29.99 ? 29.87 | -04 -03 -08 ? -00 | 31 30 32 46 41 | 31 29 32 45 41 | -3 -10 0 +2 0 | ENE ENE NE SE ESE | 4 3 3 4 5 | f b 0 0 0 | # 2 # 5 5 | b m 0 T T | 37 45 40 48 43 | 28 28 31 41 39 | - - - 0.55 0.08 | | |
| Rochefort ... Belfort ... Lyons ... Nice ... Perpignan ... Biarritz ... | 29.88 ? 30.00 29.94 29.95 29.89 | 44 31 35 46 49 55 | SE E NW E Z W | 3 3 1 1 0 4 | T m 0 T 0 0 | 29.89 ? 29.94 29.81 29.88 29.86 | -01 ? -12 -16 -10 -03 | 42 32 34 44 45 48 | 42 29 34 43 43 42 | +3 0 +1 -1 +5 +5 | SE E E E SW SSE | 3 3 1 1 2 3 | m f f 0 0 0 | # # # 2 # 4 | T m 0 T 0 0 | 45 32 40 48 51 57 | 39 30 33 43 40 43 | 0.08 - 0.04 0.04 - - | | |
| PENINSULA. Corunna ... Lisbon ... | 29.91 ? | 60 # | S # | # 4 | 0 0 | 29.90 ? | -00 ? | 59 58 | 58 58 | +4 ? | S ? | 4 ? | 0 ? | # ? | 61 55 | 55 1.02 | - - | | | |

For Explanation of Columns, see bottom of last page

1 Received too late for insertion in Charts on next page.

WEATHER CHARTS

for 8 a.m. on Friday, 23rd Dec. 1892.

BAROMETER, WIND AND SEA.

EXPLANATION OF MAP.

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

Changes since previous morning are stated in words.

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

their barbs and feathers refer to force thus—

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

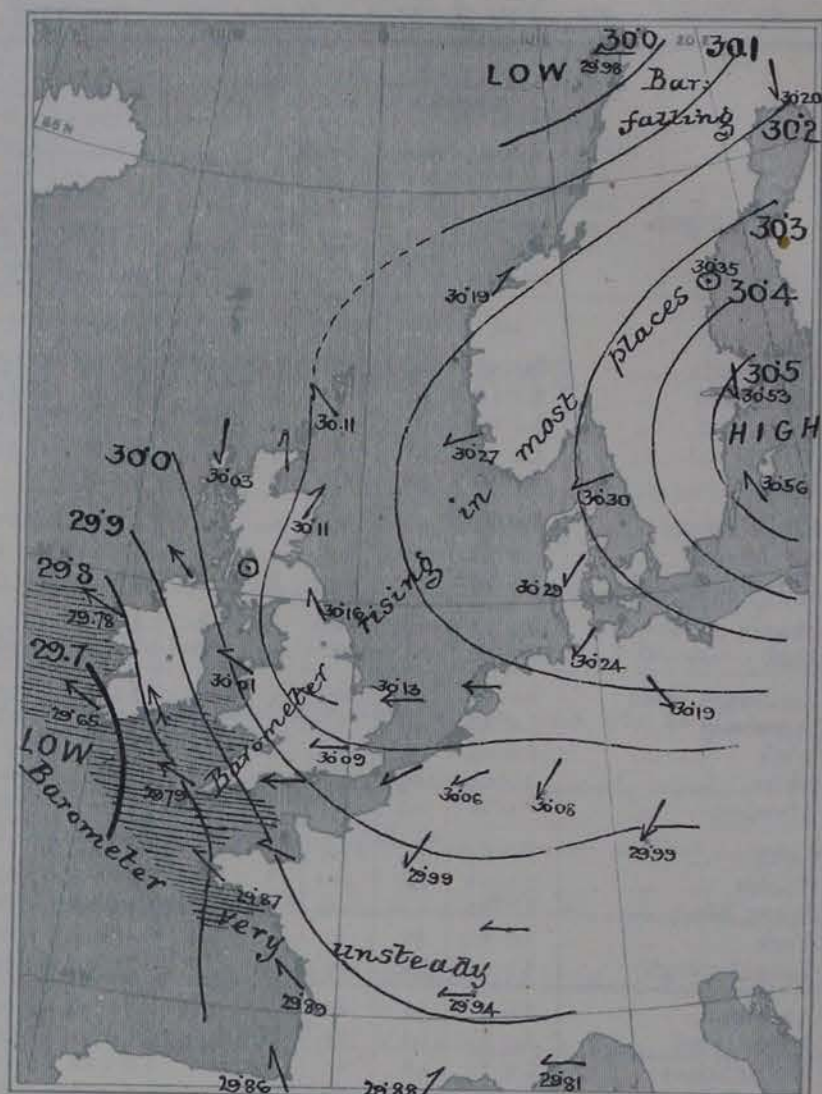
SEA DISTURBANCE—Where considerable, is shown thus:

▨ = Rough. ▩ = High.

MEAN HEIGHT OF THE BAROMETER

at 8.3 a.m. for the month of December
During the 20 Years: 1871—1890.

| STATIONS. | MEAN READINGS. |
|---------------|----------------|
| Sumburgh Head | 29.673 |
| Stornoway | 29.705 |
| Wick | 29.718 |
| Nairn | 29.743 |
| Aberdeen | 29.767 |
| Leith | 29.807 |
| Shielda | 29.845 |
| Spurn Head | 29.873 |
| York | 29.890 |
| Loughborough | 29.924 |
| Ardrossan | 29.820 |
| Mullaghmore | 29.821 |
| Dunaghadue | 29.818 |
| Holyhead | 29.879 |
| Liverpool | 29.895 |
| Parsonstown | 29.901 |
| Valencia | 29.905 |
| Roche's Point | 29.912 |
| Pembroke | 29.916 |
| Sally | 29.951 |
| Pravle Point | 29.970 |
| Jarvis | 29.983 |
| Hurst Castle | 29.938 |
| Dover | 29.953 |
| LONDON | 29.951 |
| Oxford | 29.955 |
| Cambridge | 29.941 |
| Yarmouth | 29.916 |



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

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

WEATHER is shown by Letters of the Beaufort Scale.

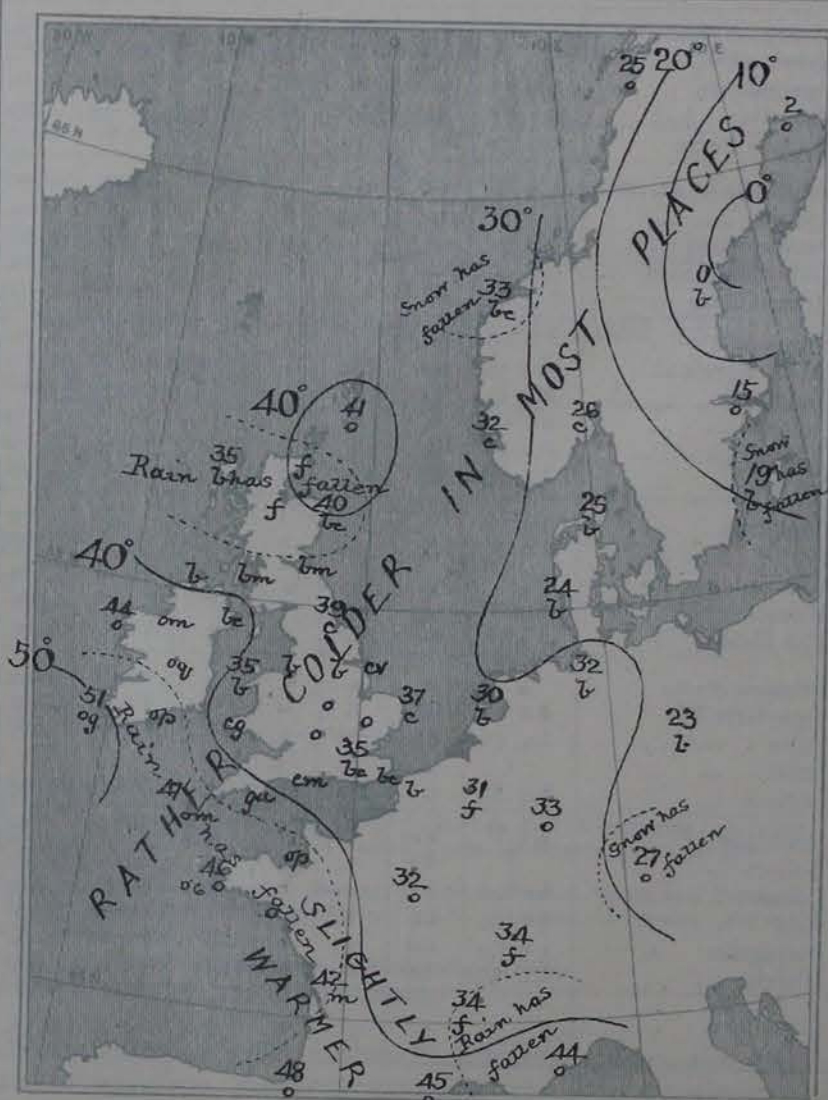
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of December.)

| STATIONS. | TEMPERATURE. | | | | RAINFALL. (Inches.) |
|---------------|---------------|---------------|-----------|-----------|------------------------|
| | Daily Max. | Daily Min. | at 8 a.m. | at 4 p.m. | |
| Sumburgh Head | 42.6 | 35.2 | 39.6 | 38.1 | 4.25 |
| Stornoway | 43.1 | 34.2 | 39.4 | 38.5 | 3.63 |
| Wick | 42.2 | 32.7 | 38.1 | 36.8 | 3.10 |
| Nairn | 41.9 | 32.8 | 37.1 | 35.6 | 1.95 |
| Aberdeen | 41.9 | 32.6 | 36.2 | 35.2 | 3.24 |
| Leith | 41.0 | 33.7 | 38.5 | 37.0 | 1.86 |
| Shielda | 42.9 | 35.9 | 38.3 | 36.9 | 2.57 |
| Spurn Head | 42.4 | 35.3 | 38.8 | 37.7 | 2.14 |
| York | 42.3 | 32.3 | 36.4 | 35.4 | 2.28 |
| Loughborough | 42.7 | 32.2 | 36.4 | 35.4 | 2.24 |
| Ardrossan | 41.5 | 35.9 | 40.0 | 38.7 | 3.73 |
| Mullaghmore | 40.5 | 37.8 | 42.2 | 39.8 | 1.51 |
| Dunaghadue | 45.8 | 36.2 | 40.2 | 39.3 | 2.84 |
| Holyhead | 46.4 | 39.1 | 42.8 | 41.1 | 3.82 |
| Liverpool | 40.5 | 35.6 | 38.8 | 37.1 | 2.69 |
| Parsonstown | 41.7 | 33.1 | 37.8 | 36.6 | 5.01 |
| Valencia | 49.7 | 40.0 | 44.6 | 42.4 | 5.99 |
| Roche's Point | 47.9 | 38.0 | 42.9 | 41.5 | 4.95 |
| Pembroke | 46.6 | 40.3 | 43.6 | 42.2 | 3.99 |
| Sally | 49.5 | 43.4 | 47.0 | 45.1 | 4.02 |
| Pravle Point | 47.0 | 38.2 | 42.5 | 41.1 | 3.76 |
| Jarvis | 47.3 | 40.3 | 43.1 | 41.4 | 3.82 |
| Hurst Castle | 45.6 | 39.3 | 40.6 | 39.8 | 2.78 |
| Dover | 44.3 | 35.9 | 39.8 | 38.6 | 3.00 |
| LONDON | 44.0 | 35.9 | 37.8 | 36.7 | 2.10 |
| Oxford | 42.9 | 33.5 | 37.0 | 35.9 | 2.10 |
| Cambridge | 42.8 | 31.6 | 36.2 | 35.5 | 1.88 |
| Yarmouth | 41.0 | 34.7 | 37.0 | 37.0 | 2.68 |

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



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.5 ins: and upwards, in an anticyclone lying over the Baltic.
 Lowest, 29.7 ins: and less, in a depression lying off the southwest of Ireland.
 Gradients moderate over our west and southwest coasts, but slight elsewhere.
 Barometer very unsteady over France and the southwest of our Islands, rising in most other localities, but falling in the north of Scandinavia.

TEMPERATURE

Highest, 53° at Lisbon, 51° at Valence Islands, 48° at Rocher Point and Biarritz, 47° at Scilly, and 46° at Algeciras.
 Lowest, 0° zero at Haparanda, 2° at Haparanda, 15° at Stockholm, 19° at Vicksy, 23° at Berlin and 24° at Tanö.
 That occurred in many parts of Great Britain; at Oxford the thermometer on the grass fell to 21°.

WIND

Strong from the SEnd or End on our western and southern coasts, with a gale at Rocher Point, moderate from the same quarters in the west of France.
 Light to moderate from the End or NEnd over Denmark, North Germany, the Netherlands, and the central parts of France.
 Light from the Snd in the north and east of Scotland; variable in Norway; Nnd in Sweden.
 A gale from the SEnd was experienced last night at several of the Irish stations.

WEATHER

Dull in France and the southwest of our Islands, with fog or mist in places, and with passing showers at Rocher Point and Jersey.
 Fair or fine in most other parts of Western Europe, but foggy in the north of Scotland.
 A little rain fell yesterday on our extreme southwestern and northern coasts, and larger amounts at some of the French stations.
 At Lisbon there was as much as 1.0 inch.

SEA

Rough on our southwest coasts and rather rough off the northwest of France, but moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

There are at present no indications of any very decided change. Strong winds or gales from the SEnd are likely to continue on our southwest coasts, and snow showers may possibly occur in some parts of England.

FORECASTS

For the 24 hours ending at NOON on 24th December, 1892.

DISTRICTS.

FORECASTS.

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

Snd winds, light or moderate, fair generally.
 End and SEnd winds, moderate; cloudy, some snow showers.
 Same as No 5
 Same as No 2
 End winds, fresh or strong, changeable, some snow showers.

DISTRICTS.

FORECASTS.

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

End winds, moderate or fresh, fair generally.
 SEnd winds, strong, a gale in places; dull, rain locally.

WARNINGS

The SOUTH CONE is still flying in districts 7 to 10.

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

YESTERDAY'S 2 P.M. REPORTS.

| | BAR. | THER. | | WIND. Direc. | F. | WEA. | SEA. | | BAR. | THER. | | WIND. Direc. | F. | WEA. | SEA. |
|-------------------|-------|-------|------|-----------------|----|------|------|--------------------|-------|-------|------|-----------------|----|------|------|
| | | Dry. | Wet. | | | | | | | Dry. | Wet. | | | | |
| Skudesnaes ... | 30.23 | 31 | 28 | E | 2 | o | 2 | Valencia ... | 29.63 | 52 | 49 | ESE | 6 | o | 6 |
| Sumburgh Head ... | 30.13 | 39 | 35 | SE | 2 | c | 4 | Scilly ... | 29.75 | 47 | 46 | ESE | 6 | r | 5 |
| Stornoway ... | 29.98 | 47 | 47 | S | 3 | o | 3 | Jersey ... | 29.92 | 46 | 40 | SSE | 4 | c | 0 |
| Aberdeen ... | 30.05 | 43 | 42 | S | 2 | ogm | 2 | Hurst Castle ... | 29.99 | 45 | 43 | ESE | 4 | c | 2 |
| Shields ... | 30.06 | 38 | 37 | SSW | 1 | og | 2 | Dungeness ... | 30.03 | 44 | 42 | ESE | 4 | c | 3 |
| Ardrossan ... | 30.02 | 40 | 40 | NE | 1 | 6 | 1 | North Foreland ... | 30.04 | 41 | 37 | ESE | 2 | bc | 3 |
| Malin Head ... | 29.90 | 44 | 43 | SE | 3 | o | 2 | London ... | 30.05 | 41 | 40 | E | 1 | m | * |
| Mullaghmore ... | 29.85 | 46 | 43 | ESE | 5 | om | 4 | Yarmouth ... | 30.07 | 43 | 41 | SE | 3 | bcv | 3 |
| Belmullet ... | 29.76 | 47 | 45 | E | 5 | og | * | Rochefort ... | 29.91 | 42 | 41 | SE | 4 | m | * |
| Holyhead ... | 29.96 | 45 | 42 | ESE | 1 | m | 1 | | | | | | | | |

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

Continental Information not yet received.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—Beaufort Scale is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.
* AN ASTERISK is inserted in all places for which information is not usually received.
N.B.—The morning observations are made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, 7 a.m. in France, Spain and Portugal, and 9 a.m. in Belgium. The evening observations are made at 6 p.m. in the British Islands (as a rule), and France, 8 p.m. at Oxford, in Sweden, Norway, and Germany, and 9 p.m. in Belgium. The time at each Station is the Standard Time of its Country.

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

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

DAILY WEATHER REPORT

for 8 a.m. on Saturday, 24th December, 1892.

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

| PUBLISHED BY THE METEOROLOGICAL OFFICE, 65, VICTORIA STREET, LONDON. R. H. SCOTT, Secretary. | | | | | | | | | | | | | | | | | | | |
|--|--------------------------------|--|-------|---|--------------|----------|---|------------------------|---|--|--------------|--------------|--------------------------------------|------------------|----------|-------------|------------------------|------------------------|------|
| STATIONS. | | YESTERDAY EVENING. (See note at bottom of last page.) | | | | | THIS MORNING. (See note at bottom of last page.) | | | | | | | | | | PAST 24 HOURS. | | |
| | | BAROM. | TEMP. | WIND. | | Weather. | BAROMETER. | | SHADE TEMP. | | | WIND. | | Sea (0 to 9). | Weather. | SHADE TEMP. | | Amount of Rainfall. | |
| | | | | Reading at 32° F. and Sea Level. | Dry Bulb. | | Dir. | Force (0 to 12). | Reading at 32° F. and Sea Level. | Change since Yester- day Morn. | Dry Bulb. | Wet Bulb. | Change in dry since Yesterday. | | | Dir. | Force (0 to 12). | | Max. |
| | | Inch. | ° | | | | Inch. | ° | ° | ° | | | | | | ° | in. | | |
| SCANDINAVIA. | Haparanda ... | 30.03 | -2 | SE | 4 | 0 | 29.97 | -23 | 2 | 2 | 0 | E | 2 | 0 | # | 0 | 10 | -17 | 0.04 |
| | Hernösand ... | 30.02 | 9 | Z | 0 | 0 | 29.65 | -70 | 20 | 18 | +20 | NE | 4 | 5 | # | 0 | 12 | -6 | 0.16 |
| | Stockholm ... | 30.21 | 12 | NW | 2 | 6 | 29.91 | -62 | 19 | 18 | +44 | SSW | 2 | 0 | # | 6 | 23 | 12 | - |
| | Wisby ... | 30.17 | 23 | NE | 6 | 6 | 30.35 | -51 | 22 | ? | +3 | SW | 4 | 6 | # | 6 | 27 | -2 | 0.08 |
| | Bodö ... | | | | | | | | | | | | | | | | | | |
| | Christiansund... | | | | | | | | | | | | | | | | | | |
| | Skudesnaes ... | 30.22 | 36 | SE | 4 | 0 | 29.98 | -29 | 41 | 37 | +9 | W | 6 | 0 | 3 | 0 | ? | 32 | - |
| | Christiania Fjord (Færdler) | 30.19 | 24 | WNW | 3 | 6 | 29.83 | -45 | 35 | 33 | +9 | SSW | 6 | 0 | 5 | 6 | 41 | ? | - |
| | Skagen (The Scaw) | 30.20 | 26 | SW | 1 | 6 | 29.99 | -31 | 37 | 36 | +12 | WNW | 4 | 0 | 2 | 6 | 36 | 23 | - |
| | Fanö ... | 30.29 | 24 | NE | 2 | 6 | 30.19 | -10 | 29 | 28 | +5 | SW | 2 | 0 | # | 6 | 30 | 23 | - |
| ISLANDS. | Sumburgh Head | 30.05 | 41 | Z | 0 | 0 | 30.01 | -10 | 36 | 35 | -5 | W | 1 | 0 | 2 | rc | 43 | 35 | 0.07 |
| | Stornoway ... | 30.02 | 34 | H | 2 | 6c | 29.91 | -12 | 32 | 32 | -3 | W | 2 | 6c | ? | f.6c | 38 | 27 | - |
| | Wick ... | 30.06 | 39 | S | 3 | 6 | 29.94 | -11 | 35 | 34 | -7 | S | 3 | 6 | 1 | 6 | 44 | 35 | - |
| | Nairn ... | 30.07 | 33 | Z | 0 | 6 | 29.95 | -12 | 24 | 24 | -11 | Z | 0 | 6 | 0 | 6 | 38 | 21 | - |
| | Aberdeen ... | 30.13 | 38 | S | 2 | 6 | 30.04 | -07 | 35 | 31 | -5 | S | 2 | 6c | 3 | 6c, q | 41 | 34 | - |
| | Leith ... | 30.12 | 32 | ESE | 2 | 0 | 30.02 | -12 | 27 | 26 | -6 | ESE | 1 | 6 | # | 0 | 39 | 26 | - |
| | Shields ... | 30.15 | 37 | S | 4 | 0 | 30.06 | -10 | 31 | 29 | -8 | SSE | 3 | 6c | 3 | 0 | 40 | 29 | - |
| | Spurn Head ... | 30.12 | 37 | ESE | 5 | 0 | 30.06 | -09 | 35 | 34 | -3 | SE | 5 | 0 | 5 | 0 | 38 | 33 | - |
| | York ... | 30.14 | 36 | S | 2 | 0 | 30.09 | -08 | 30 | 29 | -5 | SE | 1 | 6 | # | 0 | 39 | 29 | - |
| | Loughborough | 30.11 | 35 | E | 3 | 0 | 30.05 | -07 | 26 | 25 | -10 | ESE | 2 | 6cm | # | 0 | 40 | 25 | - |
| BRITISH ISLANDS. | Ardrossan ... | 30.07 | 36 | EHE | 3 | 6m | 29.99 | -10 | 27 | 26 | -7 | NE | 3 | 6m | 2 | 6m | 38 | 26 | - |
| | Malin Head ... | 29.92 | 38 | SE | 5 | 6 | 29.80 | -11 | 35 | 33 | -3 | SE | 5 | 0 | 2 | 6 | 39 | 34 | - |
| | Mullaghmore ... | 29.82 | 42 | E | 6 | 6c | 29.76 | -12 | 39 | 36 | -4 | EHE | 6 | 0gm | 5 | 6c | 43 | 37 | - |
| | Belmullet ... | 29.73 | 42 | ESE | 6 | 0 | 29.68 | -10 | 41 | 40 | -3 | SE | 6 | 0gm | # | 0 | 44 | 38 | 0.15 |
| | Donaghadee ... | 29.99 | 41 | SE | 6 | 6c | 29.92 | -11 | 38 | 37 | -3 | SE | 6 | 6c | 5 | 6c | 42 | 38 | - |
| | Liverpool (Bldston) | 30.05 | 36 | E | 5 | 0 | 29.98 | -11 | 29 | 28 | -6 | E | 5 | 6 | 3 | 0 | 39 | 29 | - |
| | Holyhead ... | 29.98 | 35 | ESE | 1 | 6c | 29.89 | -12 | 33 | 32 | -2 | SE | 1 | 6c | 1 | 6c | 40 | 32 | - |
| | Parsonstown ... | 29.80 | 41 | SE | 2 | 0 | 29.74 | -12 | 40 | 38 | -1 | SE | 1 | 0 | # | 0 | 41 | 38 | - |
| | Valencia ... | 29.56 | 51 | ESE | 7 | 0gm | 29.89 | -06 | 51 | 50 | 0 | SE | 5 | 0gm | # | 0 | 52 | 48 | 0.45 |
| | Roche's Point | 29.71 | 48 | SE | 8 | 0 | 29.70 | -11 | 47 | 47 | -1 | SE | 8 | 0 | 5 | 0 | 49 | 45 | 0.65 |
| GERMANY & HOLLAND. | Pembroke (St. Ann's Hd.) | 29.85 | 40 | ESE | 6 | 0 | 29.81 | -11 | 39 | 38 | +1 | ESE | 6 | 0 | 6 | 0 | 41 | 38 | - |
| | Scilly ... | 29.72 | 49 | ESE | 6 | 0m | 29.68 | -11 | 47 | 47 | 0 | ESE | 6 | 0 | 5 | 0 | 50 | 45 | 0.32 |
| | Prawle Point ... | 29.49 | 41 | E | 6 | 0 | 29.84 | -09 | 40 | 38 | -3 | E | 6 | 0gm | 5 | 0 | 43 | 38 | - |
| | Jersey (St. Aubin's) | 29.94 | 37 | E | 3 | 6cm | 29.86 | -13 | 35 | 33 | -7 | E | 5 | 0m | 4 | 6m, 6cm | 42 | 34 | - |
| | Hurst Castle ... | 29.99 | 39 | ESE | 6 | 6c | 29.94 | -08 | 36 | 34 | -3 | ESE | 5 | 6c | 4 | 6cm | 43 | 35 | - |
| | Dungeness ... | 30.06 | 36 | ESE | 6 | 6 | 30.00 | -07 | 31 | 30 | -6 | ESE | 6 | 6 | 5 | 6 | 39 | 30 | - |
| | North Foreland | 30.08 | 37 | ESE | 5 | 0 | 30.01 | -08 | 32 | 30 | -7 | ESE | 5 | 6q | 4 | 0 | 39 | 31 | - |
| | London ... | 30.09 | 34 | E | 2 | 6 | 30.02 | -07 | 27 | 26 | -8 | SE | 1 | 6c | # | 0 | 39 | 27 | - |
| | Oxford ... | 30.06 | 30 | ESE | 1 | 6 | 30.01 | -12 | 28 | 26 | +1 | E | 1 | 6 | # | 0 | 36 | 27 | - |
| | Cambridge ... | 30.12 | 31 | E | 1 | 6 | 30.05 | -07 | 26 | 25 | -11 | E | 1 | 6 | # | 0 | 40 | 24 | - |
| FRANCE AND BELGIUM. | Yarmouth ... | 30.13 | 36 | SE | 6 | 0q | 30.06 | -07 | 33 | 32 | -4 | SE | 6 | 6c, q | 5 | 0q | 37 | 31 | - |
| | Cuxhaven ... | 30.28 | 29 | NE | 3 | 6 | 30.23 | -01 | 23 | 21 | -9 | SSE | 2 | 6 | # | 6 | 32 | 21 | - |
| | Berlin ... | 30.25 | 20 | H | 3 | 6c | 30.24 | +05 | 19 | 18 | -4 | Z | 0 | f | # | 6c | 27 | 16 | - |
| | Wiesbaden ... | | | | | | 30.12 | +04 | 21 | 19 | -12 | NE | 2 | 6 | # | 0 | 34 | 19 | - |
| | Munich ... | 30.01 | 24 | E | 4 | 0 | 30.00 | +01 | 18 | 17 | -9 | NE | 4 | 0 | # | 0 | 28 | 18 | - |
| | The Helder ... | 30.27 | 30 | E | 3 | 6 | 30.20 | -05 | 25 | 24 | -5 | ESE | 4 | 6 | # | 6 | 32 | 25 | - |
| | Brussels (9 a.m.) | | | | | | 30.07 | +01 | 19 | 19 | -12 | E | 4 | 6 | # | 6 | 33 | 19 | - |
| | Cape Gris Nez | 30.04 | ? | E | 4 | 6c | 30.00 | -03 | 22 | 22 | -8 | E | 2 | 6c | 2 | 6c | 32 | 22 | - |
| | Paris ... | 30.01 | 30 | NE | 2 | 6 | 29.97 | -02 | 23 | 22 | -9 | EHE | 2 | 6 | # | 0 | 38 | 23 | - |
| | Brest ... | ? | 46 | SE | 4 | 0 | ? | ? | 39 | 38 | -7 | ESE | 4 | 7 | # | 0 | 48 | 37 | 0.32 |
| PENIN- SULA. | Lorient ... | 29.83 | 39 | ESE | 5 | 0 | 29.76 | -11 | 36 | 35 | -5 | ESE | 5 | 6 | 6 | 0 | 43 | 36 | - |
| | Rochefort ... | 29.86 | 39 | SE | 4 | f | 29.75 | -14 | 38 | 38 | -4 | EHE | 4 | m | # | f | 45 | 36 | - |
| | Belfort ... | ? | 33 | NE | 4 | 0 | ? | ? | 26 | 25 | -6 | NE | 4 | 0 | # | 0 | 33 | 25 | - |
| | Lyons ... | 29.93 | 35 | NW | 1 | 0 | 29.87 | -07 | 33 | 32 | -1 | N | 1 | 0 | # | 0 | 37 | 33 | - |
| | Nice ... | 29.76 | 46 | E | 1 | f | 29.76 | -15 | 43 | 42 | -1 | E | 3 | 0 | 2 | 0 | 50 | 43 | 0.08 |
| | Perpignan ... | | | | | | | | | | | | | | | | | | |
| | Biarritz ... | 29.79 | 54 | E | 4 | 6c | 29.75 | -11 | 50 | 50 | +2 | WNW | 7 | 7 | 6 | 6c | 57 | 43 | 0.12 |
| | Corunna .. | | | | | | | | | | | | | | | | | | |
| | Lisbon ... | 29.98 | 57 | WSW | 5 | 6 | 30.18 | +28 | 55 | 52 | -4 | WSW | 3 | 0 | # | 6 | 61 | 52 | 0.35 |

For Explanation of Columns, see bottom of last page.

† Received too late for insertion in Charts on next page.

WEATHER CHARTS

for 8 a.m. on Saturday, 24th Dec: 1892.

BAROMETER, WIND AND SEA.

EXPLANATION OF MAP

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

Changes since previous morning are stated in words.

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

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

○ = dead calm.

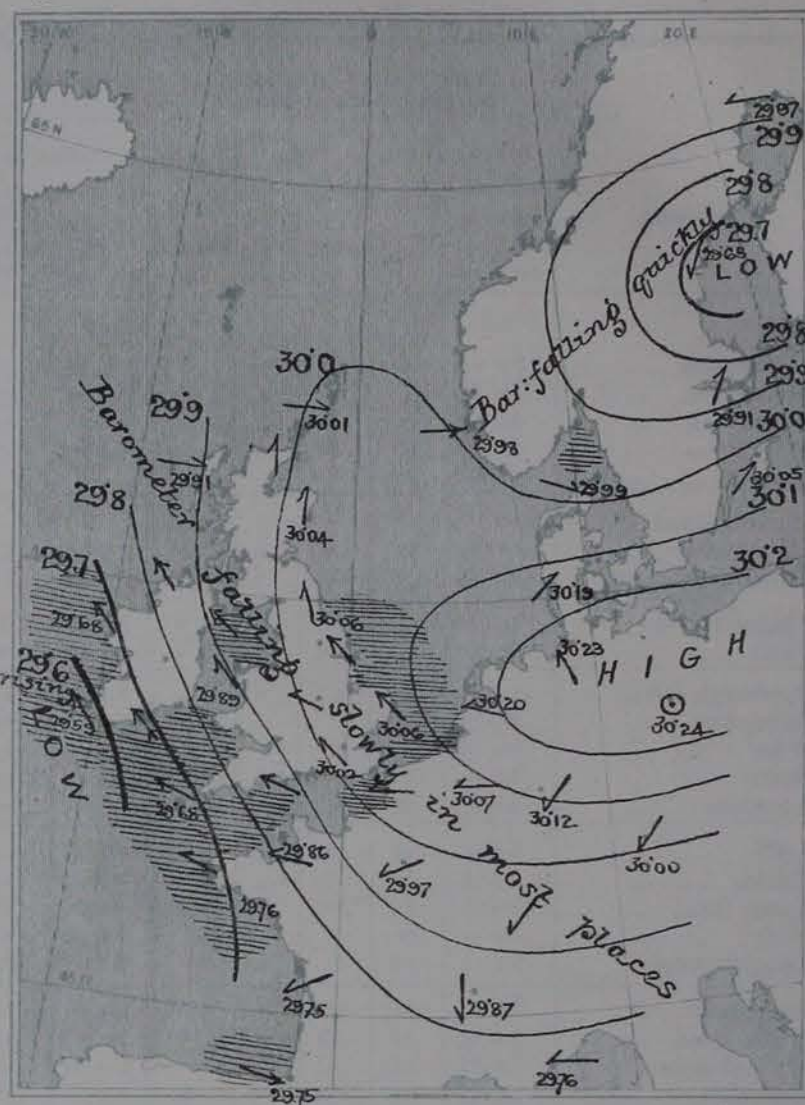
SEA DISTURBANCES—Where considerable, is shown thus:

— Rough — High.

MEAN HEIGHT OF THE BAROMETER

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

| STATIONS. | MEAN READINGS. |
|---------------|----------------|
| Sambargh Head | 29.673 |
| Stornoway | 29.703 |
| Wick | 29.718 |
| Nairn | 29.743 |
| Aberdeen | 29.767 |
| Leith | 29.807 |
| Shields | 29.843 |
| Spurn Head | 29.874 |
| York | 29.890 |
| Loughborough | 29.924 |
| Androsson | 29.829 |
| Mullaghmore | 29.821 |
| Donaghadee | 29.848 |
| Holyhead | 29.879 |
| Liverpool | 29.885 |
| Parsonstown | 29.901 |
| Valencia | 29.903 |
| Roche's Point | 29.914 |
| Pembroke | 29.919 |
| Sally | 29.931 |
| Prawle Point | 29.979 |
| Jersey | 29.983 |
| Hurst Castle | 29.948 |
| Dover | 29.943 |
| LONDON | 29.971 |
| Oxford | 29.975 |
| Cambridge | 29.971 |
| Yarmouth | 29.910 |



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

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

WEATHER—is shown by Letters of the Beaufort Scale.

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

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of December.)

| STATIONS. | TEMPERATURE. | | | | RAINFALL. Inches. |
|---------------|---------------|---------------|-----------|-----------|----------------------|
| | Daily Max. | Daily Min. | At 8 a.m. | At 4 p.m. | |
| Sambargh Head | 42.5 | 35.3 | 39.4 | 38.1 | 1.24 |
| Stornoway | 43.1 | 31.2 | 39.4 | 38.5 | 1.01 |
| Wick | 42.2 | 32.7 | 38.1 | 36.8 | 3.10 |
| Nairn | 41.9 | 32.8 | 37.1 | 35.9 | 1.30 |
| Aberdeen | 41.9 | 32.6 | 36.9 | 35.2 | 3.21 |
| Leith | 44.0 | 33.7 | 38.5 | 37.9 | 1.86 |
| Shields | 42.0 | 33.0 | 38.3 | 36.9 | 2.57 |
| Spurn Head | 42.1 | 33.3 | 38.8 | 37.7 | 2.14 |
| York | 42.4 | 32.3 | 36.4 | 35.4 | 2.28 |
| Loughborough | 42.7 | 32.2 | 36.3 | 35.1 | 2.24 |
| Androsson | 44.3 | 33.9 | 39.0 | 38.7 | 3.74 |
| Mullaghmore | 40.5 | 37.8 | 32.2 | 39.8 | 1.51 |
| Donaghadee | 43.8 | 33.2 | 39.2 | 39.3 | 2.84 |
| Holyhead | 40.4 | 33.1 | 32.8 | 41.1 | 3.82 |
| Liverpool | 43.5 | 33.0 | 38.5 | 37.1 | 2.59 |
| Parsonstown | 44.7 | 33.1 | 37.8 | 36.6 | 3.01 |
| Valencia | 43.7 | 40.0 | 44.0 | 42.4 | 5.39 |
| Roche's Point | 47.9 | 38.9 | 42.9 | 41.5 | 4.95 |
| Pembroke | 43.8 | 40.3 | 43.0 | 42.2 | 3.94 |
| Sally | 49.0 | 43.1 | 47.0 | 45.1 | 1.02 |
| Prawle Point | 47.0 | 38.2 | 42.5 | 41.1 | 2.70 |
| Jersey | 47.9 | 39.5 | 43.1 | 41.4 | 3.82 |
| Hurst Castle | 45.5 | 36.3 | 40.6 | 39.8 | 2.78 |
| Dover | 41.3 | 35.9 | 34.8 | 38.6 | 3.00 |
| LONDON | 44.0 | 34.9 | 37.8 | 36.7 | 2.10 |
| Oxford | 42.9 | 33.6 | 37.0 | 35.9 | 2.10 |
| Cambridge | 42.8 | 31.6 | 36.2 | 35.3 | 1.88 |
| Yarmouth | 41.9 | 31.7 | 37.0 | 37.0 | 2.66 |

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



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.2 ins. and upwards over north Germany.
 Lowest 29.6 ins. and less in a depression lying off the southwest of Ireland; 29.7 ins. and less in another disturbance lying over central Sweden.
 Gradients moderate generally. Barometer falling in most places, but rising at Valencia Island.

TEMPERATURE

Highest 51° at Valencia Island, 50° at Biarritz, 47° at Roche's Point & Scilly, and 43° at Nice.
 Lowest 2° at Haparanda, 18° at Munich, 19° at Stockholm, Brussels and Berlin, 21° at Wiesbaden, & 22° at Wiesbaden.
 Sharp frost occurred last night over the inland parts of Great Britain; in London the thermometer on the grass fell to 22°.

WIND

Strong from the E^{ly} or SE^{ly} on our west, south and southeast coasts; moderate from E. or NE. over western Germany, the Netherlands and the greater part of France, but strong from WNW at Biarritz. W^{ly} or SW^{ly} over Denmark and the southern parts of Scandinavia; NE^{ly} in the northern parts of Sweden.

WEATHER

Fine in all the more northern, eastern and central parts of the United Kingdom, as well as in the Netherlands and the northeast of France.
 Raining in the southwest of our Islands and the west of France; dull in Scandinavia, with snow at Hernösand.
 Considerable quantities of rain have fallen at some of our southwestern stations, the largest amount measured this morning being 0.7 inch at Roche's Point.

SEA

Rough in the Bay of Biscay and also at Penzance, rather rough on most parts of the English and Irish coasts.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The barometer is now falling rather decidedly in France, with rain at the western stations. The unsettled weather may possibly spread northwards to our southeastern districts and strong E^{ly} winds are likely to continue on our southeast, south and southwest coasts.

FORECASTS

For the 24 hours ending at NOON on 25TH DEC. 1892.

DISTRICTS.

FORECASTS.

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

S^{ly} and SW^{ly} winds, light; fair generally.
 SE^{ly} winds, moderate or fresh, fine to cloudy and unsettled, probably some snow.
 Same as N^o 5.
 Same as N^o 2.
 E^{ly} winds, moderate inland, strong on coast, fine to cloudy & unsettled, probably some snow.

DISTRICTS.

FORECASTS.

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

E^{ly} and SE^{ly} winds, light; fair generally.
 E^{ly} and SE^{ly} winds, strong; dull, some rain.

WARNINGS

None Issued.

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

YESTERDAY'S 2 P.M. REPORTS.

| | BAR. | THER. | | WIND. Direc. | F. | WEA. | SEA. | | BAR. | THER. | | WIND. Direc. | F. | WEA. | SEA. |
|-------------------|-------|-------|------|-----------------|----|------|------|--------------------|-------|-------|------|-----------------|----|------|------|
| | | Dry. | Wet. | | | | | | | Dry. | Wet. | | | | |
| Skudesnaes ... | 30.27 | 34 | 32 | SE | 4 | S | 2 | Valencia ... | 29.61 | 52 | 49 | ESE | 7 | og | 6 |
| Sumburgh Head ... | 30.08 | 42 | 42 | SE | 1 | T | 3 | Scilly ... | 29.76 | 50 | 49 | ESE | 6 | c | 5 |
| Stornoway ... | 30.04 | 38 | 38 | SE | 0 | f | 2 | Jersey ... | 29.97 | 42 | 39 | E | 3 | bm | 3 |
| Aberdeen ... | 30.14 | 39 | 36 | SW | 2 | bc | 3 | Hurst Castle ... | 30.01 | 42 | 39 | ESE | 6 | bc | 3 |
| Shields ... | 30.15 | 39 | 35 | S | 4 | c | 3 | Dungeness ... | 30.05 | 38 | 36 | ESE | 6 | b | 5 |
| Ardrossan ... | 30.08 | 38 | 36 | ESE | 1 | b | 1 | North Foreland ... | 30.02 | 37 | 35 | ESE | 3 | c | 3 |
| Malin Head ... | 29.89 | 39 | 36 | SE | 7 | b | 2 | London ... | 30.08 | 39 | 34 | E | 4 | o | * |
| Mullaghmore ... | 29.81 | 42 | 39 | ESE | 6 | bc | 5 | Yarmouth ... | 30.12 | 37 | 34 | ESE | 5 | c | 5 |
| Belmullet ... | 29.73 | 42 | 40 | E | 6 | o | 1 | Rochefort ... | 29.89 | 40 | 39 | SE | 8 | f | * |
| Holyhead ... | 29.99 | 39 | 36 | SE | 1 | b | 1 | | | | | | | | |

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

Continental information not received.

General Remarks on the Weather over Europe for 24 hours ended 8 a.m. Dec 23rd 1892.

Weather foggy in the east and southeast of England as well as at some of the French stations. Dull on our southwest coast and also over the greater part of the Continent, with rain at Lisbon and Algiers. Fine in the northwest of our Islands, and also over Sweden, Denmark and northern Russia. A little rain falling later in the southwest and extreme north of our Islands, as well as in the west of France, and considerable quantities at Brest and Lisbon. Weather clearing in the southeast of England.

Temperatures fallen in most parts of Western and northern Europe but risen in the south. Morning readings highest 60° at Malta, 59° at La Calle, and 55° at Corunna and Lisbon, above 45° in Ireland and the southeast of England generally, and reaching 50° at Valencia Island. Lowest 12° Fahrenheit at Archangel, -4° at Krasnoyarsk, +1° at Moscow, and 2° at Khabarovsk, below the freezing point in nearly all parts of northern, central, and eastern Europe, as well as in some parts of Central England. Daily maxima below 40° at some of the inland English stations, but exceeding 50° on our southwest coast. Sharp frost occurring over England at night.

Winds strong from the SE. on our southwest coasts, light or moderate from the same quarter in the northwest and north of our Islands and also in the western parts of France and Spain. Light from the E. over the Netherlands and the southeast of England. N. or NW. over Scandinavia, Denmark and eastern Germany, W. in the central and southern parts of Russia. Variable in Austria and also in Algeria; N. or NE. in Italy. Increasing at night to a gale from the SE. over Ireland.

Barometer highest 30.1 in. and upwards over Norway and the greater part of the North Sea and also in Algeria and the southeast of Spain. Lowest 29.6 in. and less, in a well defined depression lying over the Baltic Provinces; 29.7 in. and less, in another disturbance lying to the southwestward of our Islands. Anticyclone over North Sea subsequently increasing in size, barometer rising decidedly over Scandinavia.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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

" Weekly " " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on

Sunday 25th Dec^r.

1892.

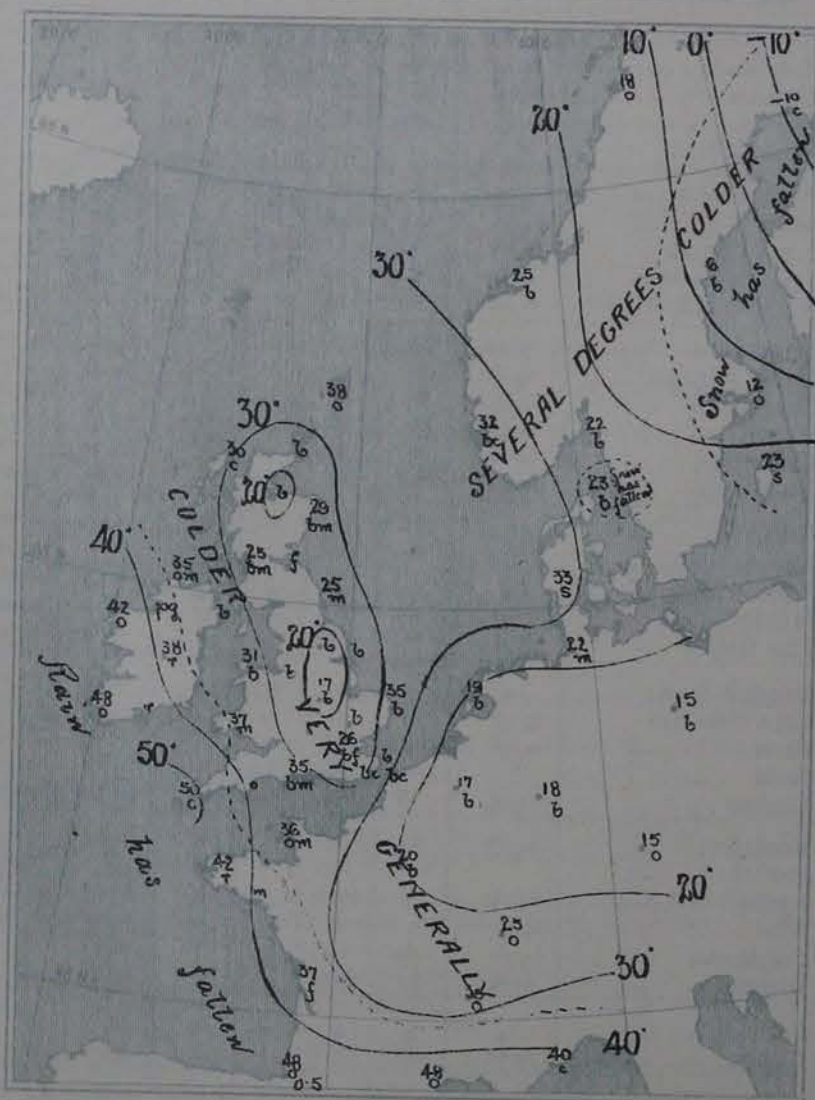
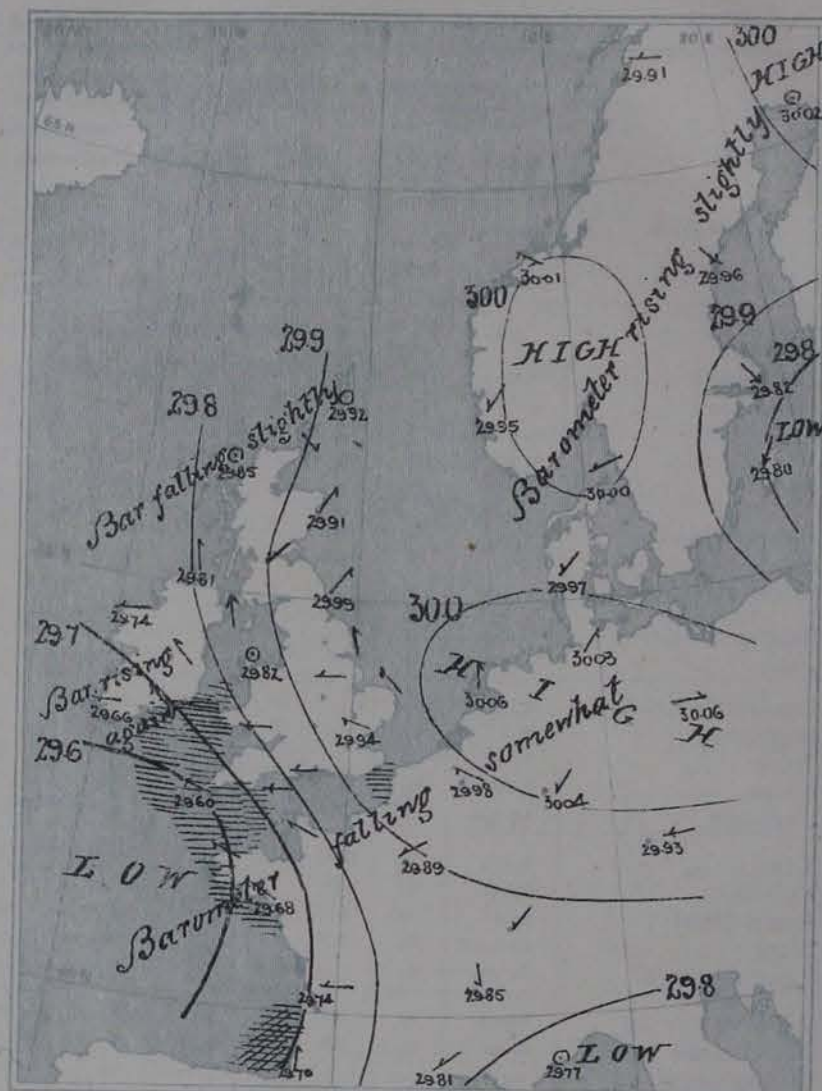
Issued by the Meteorological Office, 63, Victoria Street, London. R. H. SCOTT, Secretary.

| STATIONS. | | YESTERDAY EVENING. (See note at bottom of last page.) | | | | | THIS MORNING. (See note at bottom of last page.) | | | | | | | | | | PAST 24 HOURS. | | | | |
|---------------------|--------------------------------|--|-------|----------------------------------|-----------|----------|---|------------------|----------------------------------|-------------------------|-----------|-----------|--------------------------------|---------------|----------|-------------|------------------|---------------------|------|------|--|
| | | Barom. | Temp. | Wind. | | Weather. | Barometer. | | Shade Temp. | | | Wind. | | Sea (0 to 9). | Weather. | Shade Temp. | | Amount of Rainfall. | | | |
| | | | | Reading at 52° F. and Sea Level. | Dry Bulb. | | Dirac. | Force (0 to 12). | Reading at 52° F. and Sea Level. | Change since Yesterday. | Dry Bulb. | Wet Bulb. | Change in dry since Yesterday. | | | Dirac. | Force (0 to 12). | | Max. | Min. | |
| | | Inch. | ° | | | | Inch. | | ° | ° | | | | | | ° | Inch. | | | | |
| SCANDINAVIA. | Haparanda ... | 30.01 | -4 | NE | 2 | bc | 30.02 | +0.05 | -10 | -10 | - | 12 | Z | 0 | c | 3 | -11 | 0.04 | | | |
| | Hernösand ... | 29.88 | 10 | NNE | 6 | s | 29.96 | +0.31 | 6 | 5 | - | 14 | NN | 6 | b | 23 | 5 | 0.08 | | | |
| | Stockholm ... | 29.73 | 17 | N | 4 | o | 29.82 | -0.09 | 12 | 11 | - | 7 | NN | 6 | o | 28 | 9 | 0.16 | | | |
| | Wibby ... | 29.65 | 30 | SW | 8 | s | 29.80 | -0.25 | 23 | 22 | + | 1 | NNE | 8 | s | 32 | 14 | 0.51 | | | |
| | Bodö ... | 29.94 | 12 | E | 4 | b | 29.91 | +0.08 | 18 | 16 | - | 0 | E | 2 | o | 18 | 7 | - | | | |
| | Christiansund... | 29.97 | 34 | NE | 3 | b | 30.01 | +0.19 | 25 | 24 | - | 12 | ESE | 2 | b | 34 | 25 | - | | | |
| | Skudesnaes ... | 29.90 | 38 | NNW | 2 | bc | 29.95 | -0.03 | 32 | 31 | - | 9 | NE | 1 | bc | 41 | 28 | - | | | |
| | Christiania Fjord (Fuerder) | 29.85 | 34 | NNW | 5 | bc | 30.02 | +0.19 | 22 | 19 | - | 13 | NNE | 5 | b | 36 | 22 | - | | | |
| | Skagen (The Spaw) | 29.84 | 35 | NE | 4 | s | 30.00 | +0.01 | 23 | 22 | - | 14 | ENE | 1 | b | 39 | 23 | 0.08 | | | |
| | Fandø ... | 30.01 | 35 | W | 6 | o | 29.97 | -0.22 | 33 | 33 | + | 4 | NE | 2 | s | 36 | 28 | - | | | |
| BRITISH ISLANDS. | Sumburgh Head | 29.96 | 37 | Z | 0 | c | 29.92 | -0.09 | 38 | 36 | + | 2 | Z | 0 | o | 2 | 39 | 33 | - | | |
| | Stornoway ... | 29.88 | 32 | W | 3 | c | 29.85 | -0.06 | 30 | 30 | - | 2 | Z | 0 | c | 3 | 35 | 25 | - | | |
| | Wick ... | 29.86 | 30 | S | 1 | b | 29.84 | -0.10 | 22 | 21 | - | 13 | NN | 1 | b | 3 | 38 | 20 | - | | |
| | Nairn ... | 29.88 | 24 | Z | 0 | b | 29.86 | -0.09 | 15 | 15 | - | 9 | Z | 0 | b | 0 | 35 | 12 | - | | |
| | Aberdeen ... | 29.94 | 30 | SSW | 3 | b | 29.91 | -0.13 | 29 | 27 | - | 6 | SW | 2 | bm | 2 | 36 | 28 | - | | |
| | Leith ... | 29.96 | 29 | ESE | 1 | b | 29.94 | -0.08 | 24 | 23 | - | 3 | W | 1 | f | 3 | 35 | 20 | - | | |
| | Shields ... | 30.02 | 31 | SSE | 2 | bc | 29.99 | -0.07 | 25 | 24 | - | 6 | SW | 1 | m | 3 | 34 | 24 | - | | |
| | Spurn Head ... | 30.01 | 35 | SSE | 4 | b | 29.97 | -0.09 | 35 | 33 | - | 0 | SSE | 3 | b | 4 | 36 | 31 | - | | |
| | York ... | 30.03 | 30 | SSE | 1 | b | 30.00 | -0.09 | 17 | 17 | - | 13 | N | 1 | b | 3 | 35 | 16 | - | | |
| | Loughborough | 30.02 | 27 | ESE | 1 | b | 29.97 | -0.08 | 17 | 17 | - | 9 | E | 1 | bm | 3 | 36 | 15 | - | | |
| GERMANY & HOLLAND. | Ardrossan ... | 29.92 | 29 | NE | 3 | bm | 29.90 | -0.09 | 25 | 24 | - | 2 | NE | 3 | bm | 2 | 34 | 23 | - | | |
| | Malin Head ... | 29.80 | 37 | SE | 4 | om | 29.81 | +0.01 | 35 | 33 | - | 0 | SSE | 4 | om | 3 | 37 | 35 | - | | |
| | Mullaghmore ... | 29.73 | 40 | E | 6 | ogm | 29.77 | +0.01 | 39 | 38 | - | 0 | E | 5 | ogm | 5 | 41 | 37 | 0.08 | | |
| | Belmullet ... | 29.64 | 43 | SE | 6 | o | 29.74 | +0.06 | 42 | 40 | + | 1 | E | 4 | o | 4 | 43 | 40 | 0.04 | | |
| | Donaghadee ... | 29.88 | 39 | SSE | 5 | b | 29.88 | -0.04 | 38 | 37 | - | 0 | SSE | 6 | b | 4 | 40 | 37 | - | | |
| | Liverpool (Bliston) | 29.95 | 30 | ESE | 4 | b | 29.92 | -0.06 | 26 | 26 | - | 3 | ESE | 3 | b | 2 | 31 | 26 | - | | |
| | Holyhead ... | 29.87 | 35 | Z | 0 | bc | 29.82 | -0.07 | 31 | 30 | - | 2 | Z | 0 | b | 0 | 39 | 31 | - | | |
| | Parsonstown ... | 29.74 | 42 | SE | 1 | o | 29.76 | +0.02 | 38 | 37 | - | 2 | SE | 1 | or | 4 | 42 | 37 | 0.13 | | |
| | Valencia ... | 29.64 | 49 | S | 5 | r | 29.66 | +0.07 | 48 | 46 | - | 3 | E | 4 | o | 5 | 52 | 45 | 0.24 | | |
| | Roche's Point | 29.70 | 47 | ESE | 7 | r | 29.69 | -0.01 | 45 | 44 | - | 2 | ESE | 6 | r | 5 | 49 | 44 | 0.20 | | |
| FRANCE AND BELGIUM. | Pembroke (St. Ann's Hd.) | 29.79 | 39 | ESE | 6 | c | 29.75 | -0.06 | 37 | 36 | - | 2 | E | 5 | ogm | 6 | 3 | 36 | - | | |
| | Scilly ... | 29.72 | 46 | ESE | 6 | r | 29.60 | -0.08 | 50 | 49 | + | 3 | ESE | 5 | c | 6 | 50 | 44 | 0.07 | | |
| | Prawle Point ... | 29.85 | 39 | E | 6 | o | 29.77 | -0.07 | 39 | 38 | - | 1 | E | 5 | og | 5 | 40 | 37 | - | | |
| | Jersey (St. Aubin's) | 29.86 | 36 | SE | 3 | b | 29.78 | -0.08 | 36 | 34 | + | 1 | ESE | 4 | om | 3 | 36 | 33 | - | | |
| | Hurst Castle ... | 29.93 | 35 | ESE | 5 | c | 29.85 | -0.09 | 35 | 34 | - | 1 | E | 4 | bm | 4 | 42 | 34 | - | | |
| | Dungeness ... | 29.98 | 34 | ESE | 5 | b | 29.91 | -0.09 | 31 | 30 | - | 0 | SE | 5 | bc | 5 | 35 | 30 | - | | |
| | North Foreland | 29.98 | 35 | ESE | 3 | bc | 29.93 | -0.08 | 32 | 30 | - | 0 | ESE | 2 | b | 3 | 35 | 29 | - | | |
| | London ... | 29.99 | 30 | E | 2 | b | 29.94 | -0.08 | 26 | 25 | - | 1 | ESE | 2 | bf | 3 | 35 | 25 | - | | |
| | Oxford ... | 29.99 | 26 | E | 1 | bc | 29.93 | -0.08 | 23 | 22 | - | 5 | E | 2 | bm | 3 | 31 | 23 | - | | |
| | Cambridge ... | 30.03 | 27 | E | 1 | b | 29.97 | -0.08 | 21 | 21 | - | 5 | E | 1 | b | 3 | 29 | 19 | - | | |
| PENINSULA. | Yarmouth ... | 30.04 | 34 | SE | 4 | bc | 29.97 | -0.09 | 35 | 33 | + | 2 | SE | 3 | b | 4 | 35 | 31 | - | | |
| | Cuxhaven ... | 30.14 | 23 | SSW | 2 | b | 30.03 | -0.20 | 22 | 20 | - | 1 | SW | 2 | m | 3 | 23 | 20 | - | | |
| | Berlin ... | 30.17 | 20 | SW | 1 | b | 30.06 | -0.18 | 15 | 14 | - | 4 | W | 3 | b | 3 | 23 | 12 | - | | |
| | Wiesbaden ... | 30.04 | 18 | E | 5 | o | 30.04 | -0.08 | 18 | 17 | - | 3 | NE | 2 | b | 3 | 26 | -16 | - | | |
| | Munich ... | 29.98 | 18 | E | 5 | o | 29.93 | -0.07 | 15 | 15 | - | 3 | E | 5 | o | 3 | 21 | 14 | - | | |
| | The Helder ... | 30.12 | 25 | ESE | 1 | b | 30.06 | -0.14 | 19 | 19 | - | 6 | SSE | 1 | b | 3 | 27 | 19 | - | | |
| | Brussels (9 a.m.) | * | * | * | * | * | 29.98 | -0.09 | 7 | 16 | - | 2 | ESE | 2 | b | 3 | 27 | 16 | - | | |
| | Cape Gris Nez | 29.98 | 24 | E | 4 | bc | 29.91 | -0.09 | 22 | 19 | - | 0 | NE | 3 | bc | 3 | 28 | 19 | - | | |
| | Paris ... | 29.95 | 24 | NE | 2 | b | 29.89 | -0.08 | 20 | 19 | - | 3 | ENE | 3 | b | 3 | 31 | 19 | - | | |
| | Brest ... | 29.95 | 40 | SE | 4 | r | 29.89 | -0.08 | 42 | 41 | + | 3 | ESE | 4 | r | 3 | 48 | 37 | 0.32 | | |
| PENINSULA. | Lorient ... | 29.80 | 38 | ESE | 4 | r | 29.68 | -0.08 | 37 | 36 | + | 1 | ESE | 5 | m | 3 | 39 | 28 | 0.12 | | |
| | Rochefort ... | 29.82 | 39 | ENE | 3 | m | 29.74 | -0.01 | 37 | 37 | - | 1 | E | 3 | f | 3 | 41 | 36 | 0.12 | | |
| | Belfort ... | 29.87 | 31 | NE | 3 | o | 29.85 | -0.02 | 30 | 29 | - | 3 | NE | 4 | o | 3 | 34 | 30 | - | | |
| | Lyons ... | 29.87 | 31 | NNW | 1 | o | 29.85 | -0.02 | 30 | 29 | - | 3 | NNW | 1 | o | 3 | 34 | 30 | - | | |
| | Nice ... | 29.77 | 41 | E | 1 | bc | 29.77 | +0.01 | 40 | 37 | - | 3 | Z | 0 | c | 2 | 46 | 40 | 0.20 | | |
| | Perpignan ... | 29.76 | 44 | NE | 2 | r | 29.81 | -0.05 | 48 | 44 | - | 2 | NE | 2 | o | 3 | 50 | 40 | 0.24 | | |
| | Biarritz ... | 29.86 | 53 | NNW | 6 | r | 29.70 | -0.05 | 48 | 47 | - | 2 | S | 4 | o | 3 | 54 | 45 | 0.51 | | |
| | Corunna ... | 30.08 | 38 | SW | 6 | o | 30.01 | -0.17 | 57 | 54 | + | 2 | NNW | 4 | bc | 3 | 59 | 55 | 0.62 | | |
| | Lisbon ... | 30.08 | 38 | SW | 6 | o | 30.01 | -0.17 | 57 | 54 | + | 2 | NNW | 4 | bc | 3 | 59 | 55 | 0.62 | | |

For Explanation of Columns, see bottom of last page.

† Received too late for insertion in Charts on next page.

for 8 a.m. on Sunday, 25th Dec. 1892.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.0 ins. and more to 29.9 ins. over Scandinavia, Germany, the North Sea, and the eastern half of Britain.

Lowest, 29.8 ins. and less over the Baltic; 29.6 ins. and less off our extreme southwest coasts and over the Bay of Biscay.

Gradients slight over Scandinavia and the North Sea, moderate in the west and southwest.

Barometer rising again in Ireland and over Scandinavia, falling elsewhere, most over the Bay of Biscay and at the mouth of the Channel.

TEMPERATURE

Highest, 57° at Lisbon, 50° at Selly, 48° at Ruygnan and Biarritz and Valencia Island.

Lowest, (1) -10° F. at Haparanda, +6° at Helsingfors, 12° at Moscow; (2) 17° at York, Loughborough and Brussels; 19° at the Helder, 20° at Paris, 21° at Cambridge, 23° at Oxford.

It has fallen fast over Great Britain during the night.

WIND

Extremely light from SE. and S. over the North Sea and east of Britain; moderate SE. over the Irish Sea.

Moderately E. over the Bay of Biscay and the English Channel.

Strong E. in the southeast of Ireland and at Lorient.

WEATHER

Very dull in Ireland, with rain at Rock Point, rainy at Brest also; fine and bright over Great Britain, France, and Germany as a whole.

Some rain has fallen in the south and west of France, the south and west of Ireland, and snow over Scandinavia.

SEA

High at Biarritz, rough off Brest and on our southwest coasts, rather rough at Bungenies, moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

For the 24 hours ending at NOON on 26th DEC^r, 1892.

DISTRICTS.

FORECASTS.

DISTRICTS.

FORECASTS.

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

None issued

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

None issued.

WARNINGS

At 9.45 am to districts 3, 5, 8, and 10. Hoist North Cone.

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

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

YESTERDAY'S 2 P.M. REPORTS.

| | BAR. | THER. | | WIND. | F. | WEA. | SEA. | | BAR. | THER. | | WIND. | F. | WEA. | SEA. |
|-----------------|-------|-------|------|-------|----|------|------|--------------------|-------|-------|------|-------|----|------|------|
| | | Dry. | Wet. | Dir. | | | | | | Dry. | Wet. | Dir. | | | |
| Skudesnaes ... | 30.14 | 41 | 39 | W | 6 | c | 4 | Valencia ... | 29.61 | 52 | 50 | SSE | 4 | omg | 5 |
| Sumburgh Head | 29.48 | 34 | 36 | Z | 0 | o | 2 | Scilly ... | 29.71 | 46 | 45 | ESE | 6 | o | 6 |
| Stornoway ... | 29.39 | 34 | 32 | N | 2 | bc | 3 | Jersey ... | 29.87 | 36 | 34 | SE | 4 | om | 3 |
| Aberdeen ... | 29.98 | 33 | 30 | SSW | 3 | b | 4 | Hurst Castle ... | 29.93 | 39 | 35 | ESE | 5 | c | 4 |
| Shields ... | 30.05 | 34 | 31 | SSE | 3 | bc | 3 | Dungeness ... | 29.99 | 35 | 33 | ESE | 1 | b | 4 |
| Ardrossan ... | 29.95 | 32 | 32 | NE | 3 | c | 2 | North Foreland ... | 29.99 | 35 | 33 | ESE | 3 | b | 4 |
| Mallu Head ... | 29.80 | 37 | 35 | SSE | 4 | o | 2 | London ... | 30.00 | 34 | 32 | E | 2 | bc | 5 |
| Mullaghmore ... | 29.74 | 40 | 38 | ESE | 5 | rmg | 4 | Yarmouth ... | 30.05 | 34 | 32 | SE | 5 | b | 5 |
| Belmullet ... | 29.65 | 43 | 41 | SE | 6 | c | 4 | Rocheport ... | 29.76 | 41 | 40 | ENE | 3 | m | 5 |
| Holyhead ... | 29.88 | 38 | 36 | SSE | 1 | cpm | 1 | | | | | | | | |

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

Weather in morning fine and bright over Germany, the N. of France, the North Sea and nearly the whole of St. Britain, cloudy or overcast elsewhere, rainy over the Adriatic, as well as in the western part of France and our Islands. Continuing fine over Germany and Great Britain all day, but unsettled over northern Europe and on the Atlantic coast, the British Islands and Europe.

Temperature in morning highest 60° at Malta, 57° at San Fernando, and exceeding 50° over the whole of the Iberian Peninsula, 51° at Valencia (Ireland), and 47° at Scilly. Below the freezing point over the inland parts both of the Continent and the United Kingdom, lowest (1) -26° F. at Moscow, -3° F. at Kuopio, -2° at St. Petersburg, (2) at Archangel, and below 10° F. all over central Europe, (2) 24° at Naim, 26° at Loughborough and Cambridge, and 27° in London. Rising later to 59° at Lisbon, and to 54° at Biarritz, but falling over NW. Europe generally, and touching 15° at Loughborough, 16° at Brussels, 19° at Paris, C. Gris Noy and Cambridge.

Wind (1) E. to NE. over the Mediterranean and Adriatic, NW. over Algeria; (2) W. over the Iberian Peninsula, E. in the west of France, SE. over the United Kingdom; (3) W. on the E. shores of the North Sea, SW. to S. over the Baltic, E. over northern Europe. Little change later.

Barometer Highest 30.2 ins. and more to 30.5 ins. in a high pressure area, of irregular form, covering the North Sea, central Europe and the greater part of Russia, as well as over the S.W. of Spain. Lowest 29.7 ins. and less in a depression having its centre near Harnesand, 29.6 ins. and less in another lying to the W. of Valencia and in a third off Brindisi, and below 29.8 ins. in a band stretching from our S.W. coasts to the Mediterranean and Italy. Heavily and change later.

General remarks on the Weather for 24 hours ending 8 a.m. on Dec. 24th.

Weather fine in all the more N. and E. parts of our Islands as well as in Scandinavia, Denmark, Finland and N. Germany. Dull elsewhere with passing showers at some of our own southwestern stations and with snow at Kier. Heavy rain falling later in the southern part of Ireland and Wales, and snow at several of the Scandinavian stations; no important changes occurring elsewhere.

Temperature fallen in nearly all parts of our Islands and the Continent. Morning reading, highest 61° at Malta, 59° at Lisbon and San Fernando, and 57° at Sanganeire, above 50° in the extreme S.W. of our Islands, and reaching 51° at Valencia Island. Lowest -20° F. at Moscow, -12° at Kuopio, -8° at St. Petersburg, and -7° at Helsingfors, below zero in most parts of N. and central Russia, below the freezing point over N. and E. and central Europe generally, as well as in some parts of central England. Daily maxima below 40° at several of our own N. and E. stations, but thermometer reaching 50° on our extreme S.W. coasts as well as in the W. of France. Sharp frost occurring over St. Britain at night.

Wind strong from the E. or SE. in the W. and S. of our Islands and moderate from the same quarters in the west of France but light from the S. in the N. and E. of Scotland. Moderate from E. or NE. over Denmark, Germany and the Baltic; N. or NW. in Austria and Italy, and W. in the S. of Russia. Variable in the S. of France, chiefly S. in Algeria. Strong SW. winds setting in later on the west coast of Norway. No important change occurring elsewhere.

Barometer highest 30.3 ins. and upwards over central Sweden, 30.1 ins. and upwards in a large anticyclone covering the greater part of N. Europe, with the North Sea and the E. parts of Great Britain, as well as in a separate area lying over Algeria. Lowest 29.7 ins. and less in a depression lying off the S.W. of Ireland. New disturbance with reading below 29.9 ins. appearing later off the W. of Norway, and barometer falling decidedly in Scandinavia.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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

Weekly " " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on *Monday, 26th December, 1892.*

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

| METEOROLOGICAL OFFICE, 65, VICTORIA STREET, LONDON. R. H. SCOTT, Secretary. | | | | | | | | | | | | | | | | | | | |
|---|-------------------------------|--|-------|---|--------------|----------|---|---------------------------|---|--|--------------|--------------|--------------------------------------|------------------|----------|-------------|---------------------------|------------------------|------|
| STATIONS. | | YESTERDAY EVENING. (See note at bottom of last page.) | | | | | THIS MORNING. (See note at bottom of last page.) | | | | | | | | | | PAST 24 HOURS. | | |
| | | BAROM. | TEMP. | WIND. | | Weather. | BAROMETER. | | SHADE TEMP. | | | WIND. | | Sea (0 to 9). | Weather. | SHADE TEMP. | | Amount of Rainfall. | |
| | | | | Reading at 32° F. and Sea Level. | Dry Bulb. | | Dirac. | Force (0 to 12). | Reading at 32° F. and Sea Level. | Change since Yester- day Morn. | Dry Bulb. | Wet Bulb. | Change in dry since Yesterday. | | | Dirac. | Force (0 to 12). | | Max. |
| | | Ina. | ° | | | | Ina. | ° | ° | ° | | | | | | ° | ins. | | |
| SCANDINAVIA. | Haparanda ... | 29.93 | -1 | L | 0 | o | 29.86 | -17 | 7 | -7 | + 3 | S | 4 | o | # | o | -11 | - | |
| | Hernösand ... | 29.99 | 1 | NW | 2 | b | 29.88 | -08 | 6 | 6 | 0 | L | 0 | o | # | b | 12 | -2 | |
| | Stockholm ... | 29.89 | 5 | NW | 2 | b | 29.91 | +09 | 7 | 7 | -5 | W | 2 | o | # | b | 19 | 1 | |
| | Wisby ... | 29.90 | 21 | N | 8 | s | 29.93 | +13 | 20 | 19 | -3 | NNE | 6 | o | # | s | 25 | 16 | |
| | Bodö ... | 29.52 | 30 | E | 2 | o | 29.52 | -39 | 29 | 25 | +11 | E | 2 | o | # | o | 30 | 16 | |
| | Christiansund... | 29.88 | 32 | SW | 11 | o | 29.71 | -30 | 37 | 36 | +12 | NNW | 4 | o | 5 | o | 37 | 25 | |
| | Skudesnaes ... | 29.99 | 36 | S | 4 | o | 29.92 | -03 | 36 | 34 | +4 | E | 2 | o | 2 | o | 36 | 28 | |
| | Christiania Fjord (Færder) | 30.03 | 22 | L | 0 | b | 29.87 | -15 | 23 | 22 | +1 | NNW | 3 | o | 1 | b | 23 | 22 | |
| | Skagen (The Scaw) | 30.00 | 27 | NE | 1 | bc | 29.86 | -14 | 28 | 28 | +5 | SW | 3 | o | 2 | bc | 28 | 21 | |
| | Fanö ... | 30.08 | 26 | NE | 2 | c | 30.00 | +03 | 34 | 33 | +1 | L | 0 | o | # | c | 36 | 25 | |
| BRITISH ISLANDS. | Sumburgh Head | 29.90 | 35 | L | 0 | b | 29.97 | +05 | 38 | 37 | 0 | L | 0 | o | 1 | b | 40 | 32 | |
| | Stornoway ... | 29.94 | 30 | L | 0 | bc | 30.06 | +21 | 31 | 30 | +1 | L | 0 | o | 3 | b, bc | 35 | 25 | |
| | Wick ... | 29.90 | 27 | L | 0 | b | 30.01 | +17 | 34 | 33 | +12 | NW | 1 | c | 2 | b | 35 | 22 | |
| | Nairn ... | 29.95 | 22 | L | 0 | b | 30.08 | +22 | 26 | 26 | +11 | W | 2 | b | 0 | b | 30 | 13 | |
| | Aberdeen ... | 29.97 | 24 | NW | 2 | bm | 30.09 | +18 | 28 | 26 | -1 | NW | 2 | bc | 2 | bm | 33 | 20 | |
| | Leith ... | 30.00 | 25 | L | 0 | m | 30.10 | +16 | 23 | 21 | -1 | W | 1 | f | # | m | 34 | 15 | |
| | Shields ... | 30.03 | 30 | SW | 1 | bm | 30.11 | +12 | 23 | 22 | -2 | SW | 2 | b | 2 | b | 31 | 19 | |
| | Spurn Head ... | 30.02 | 57 | ESE | 2 | bc | 30.12 | +15 | 27 | 27 | -8 | NNW | 1 | f | 3 | b, f | 40 | 25 | |
| | York ... | 30.03 | 21 | N | 1 | s | 30.15 | +15 | 20 | 20 | +3 | L | 0 | f | # | f | 26 | 15 | |
| | Loughborough | 30.03 | 28 | ESE | 2 | b | 30.17 | +20 | 18 | 18 | +1 | NW | 1 | of | # | b | 36 | 17 | |
| GERMANY & HOLLAND. | Ardrossan ... | 30.03 | 27 | NE | 2 | bm | 30.15 | +25 | 24 | 23 | -1 | L | 0 | bm | 0 | bm | 33 | 22 | |
| | Malin Head ... | 29.94 | 33 | SSE | 3 | bcm | 30.09 | +28 | 33 | 31 | -2 | S | 2 | b | 2 | c, bc | 37 | 32 | |
| | Mullaghmore ... | 29.93 | 37 | ENE | 5 | bc | 30.11 | +34 | 29 | 29 | -10 | E | 1 | b | 3 | bc | 41 | 27 | |
| | Belmullet ... | 29.91 | 39 | E | 3 | b | 30.11 | +37 | 33 | 36 | -4 | E | 3 | o | # | o, b | 43 | 36 | |
| | Donaghadee ... | 29.96 | 39 | SSW | 5 | b | 30.14 | +26 | 27 | 29 | -11 | WSW | 3 | b | 1 | b | 40 | 25 | |
| | Liverpool (Bldston) | 30.02 | 29 | ESE | 3 | b | 30.15 | +23 | 24 | 24 | -2 | ESE | 2 | b | 1 | b | 33 | 24 | |
| | Holyhead ... | 29.93 | 36 | L | 0 | b | 30.11 | +29 | 30 | 30 | -1 | L | 0 | bm | 0 | b | 40 | 29 | |
| | Parsonstown ... | 29.92 | 37 | L | 0 | o | 30.14 | +38 | 25 | 24 | -13 | L | 0 | b | # | o | 39 | 24 | |
| | Valencia ... | 29.87 | 47 | SW | 1 | og | 30.11 | +45 | 44 | 43 | -4 | SE | 2 | ogm | # | og | 48 | 42 | |
| | Roche's Point | 29.87 | 43 | ESE | 5 | o | 30.10 | +41 | 35 | 33 | -10 | E | 2 | b | 4 | p, o | 45 | 33 | |
| FRANCE AND BELGIUM. | Pembroke (St. Ann's Hd.) | 29.87 | 36 | E | 4 | bc | 30.11 | +36 | 30 | 29 | -1 | ENE | 3 | b | 3 | bc | 37 | 29 | |
| | Scilly ... | 29.74 | 44 | E | 5 | c | 30.03 | +43 | 39 | 38 | -11 | ENE | 4 | c | 5 | c | 50 | 37 | |
| | Prawle Point ... | 29.32 | 40 | E | 5 | b | 30.05 | +28 | 31 | 30 | -8 | NE | 3 | b | 2 | q, bc | 42 | 30 | |
| | Jersey (St. Aubin's) | 29.80 | 33 | ESE | 3 | cm | 30.00 | +22 | 29 | 23 | -7 | E | 3 | bm | 3 | o, cm | 37 | 28 | |
| | Hurst Castle ... | 29.90 | 34 | E | 7 | b | 30.07 | +22 | 29 | 28 | -6 | NE | 5 | bm | 3 | b | 39 | 28 | |
| | Dungeness ... | 29.92 | 38 | ESE | 5 | b | 30.05 | +14 | 35 | 35 | +4 | E | 4 | b | 4 | b | 36 | 30 | |
| | North Foreland | 29.93 | 36 | E | 5 | b | 30.07 | +14 | 38 | 32 | +6 | E | 2 | b | 3 | b, q | 38 | 30 | |
| | London ... | 29.96 | 31 | E | 1 | b | 30.08 | +14 | 24 | 22 | -2 | ESE | 2 | bf | # | b, bf | 34 | 23 | |
| | Oxford ... | 30.03 | 25 | ENE | 1 | b | 30.15 | +22 | 20 | 20 | -3 | NE | 1 | bf | # | b | 34 | 26 | |
| | Cambridge ... | 30.03 | 28 | E | 1 | b | 30.15 | +18 | 19 | 19 | -2 | N | 1 | b | # | b | 35 | 18 | |
| PENIN- SULA. | Yarmouth ... | 29.98 | 35 | ESE | 4 | b | 30.11 | +14 | 31 | 30 | -4 | L | 0 | bf | 3 | b | 36 | 30 | |
| | Cuxhaven ... | 30.03 | 29 | NNW | 1 | o | 30.09 | +06 | 28 | 27 | +6 | SW | 3 | f | # | o | 31 | 22 | |
| | Berlin ... | 30.05 | 23 | L | 0 | bc | 30.15 | +09 | 16 | 16 | +1 | NW | 2 | o | # | bc | 23 | 14 | |
| | Wiesbaden ... | * | * | * | * | * | 30.03 | +04 | 15 | 14 | -3 | NE | 2 | b | # | * | 25 | 14 | |
| | Munich ... | 20.94 | 12 | SE | 3 | b | 29.97 | +04 | 8 | 8 | -7 | NE | 4 | c | # | b | 18 | 7 | |
| | The Helder ... | 30.10 | 26 | ESE | 1 | b | 30.15 | +09 | 27 | 24 | +8 | ENE | 1 | b | 1 | b | 28 | 19 | |
| | Brussels (9 a.m.) | * | * | * | * | * | 30.09 | +11 | 17 | 16 | 0 | ENE | 2 | b | # | b | 28 | 16 | |
| | Cape Gris Nez | 29.91 | 26 | E | 3 | bc | ? | ? | 22 | 21 | 0 | NE | 2 | bc | 2 | bc | 27 | 19 | |
| | Paris ... | 29.88 | 23 | NE | 2 | b | 29.99 | +10 | 18 | 17 | -2 | NE | 3 | b | # | b | 28 | 17 | |
| | Brest ... | ? | 40 | E | 3 | c | ? | ? | 31 | 30 | -11 | ESE | 3 | b | 4 | c | 43 | 30 | |

For Explanation of Columns, see bottom of last page.

† Received too late for insertion in Charts on next page.

WEATHER CHARTS

for 8 a.m. on Monday, 26 Dec.: 1892.

BAROMETER, WIND AND SEA.

EXPLANATION OF MAP

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

Changes since previous morning are stated in words.

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

their barbs and feathers refer to force thus—

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

SEA DISTURBANCE—Where considerable, is shown thus

— Rough. — High.

MEAN HEIGHT OF THE BAROMETER

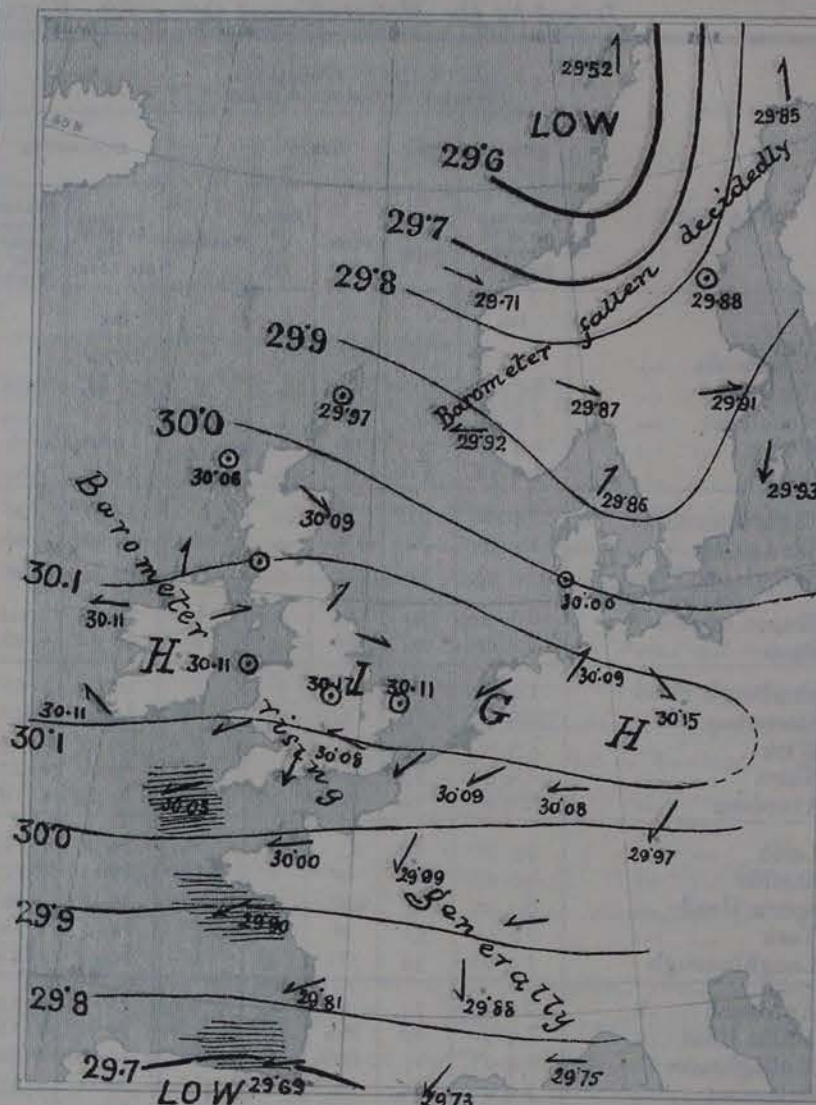
at 8 a.m. for the month of December.

During the 20 Years: 1871–1890.

STATIONS.

MEAN READINGS.

| STATIONS. | MEAN READINGS. |
|---------------|----------------|
| Sumburgh Head | 29.674 |
| Stornoway | 29.700 |
| Wick | 29.718 |
| Nairn | 29.743 |
| Aberdeen | 29.767 |
| Leith | 29.807 |
| Shields | 29.845 |
| Spurn Head | 29.878 |
| York | 29.890 |
| Loughborough | 29.924 |
| Ardsman | 29.820 |
| Mullaghmore | 29.821 |
| Dunghallow | 29.818 |
| Holyhead | 29.870 |
| Liverpool | 29.895 |
| Parsloftown | 29.907 |
| Valencia | 29.905 |
| Roch's Point | 29.912 |
| Pembroke | 29.910 |
| St. Ives | 29.907 |
| Præstø Point | 29.970 |
| Jorsey | 29.980 |
| Hurst Castle | 29.985 |
| Dover | 29.983 |
| LONDON | 29.981 |
| Oxford | 29.955 |
| Cambridge | 29.941 |
| Yarmouth | 29.910 |



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

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

WEATHER—is shown by letters of the Beaufort Scale.

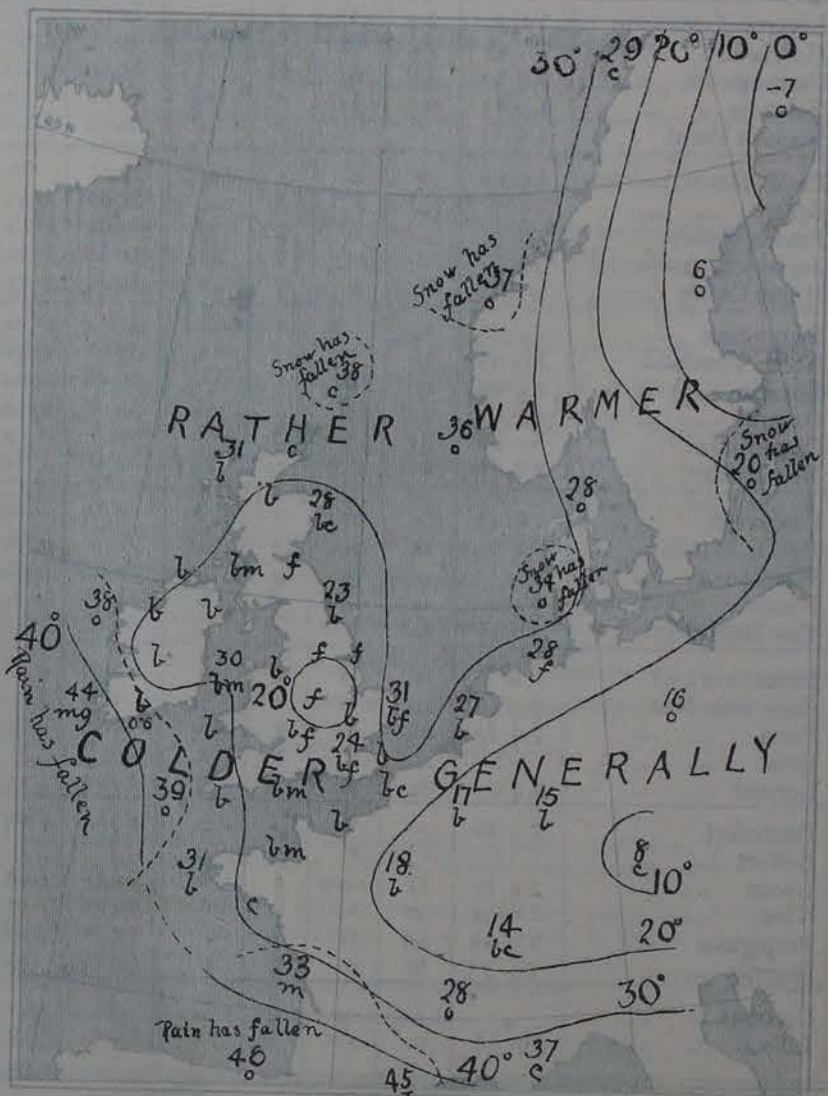
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of December.)

| STATIONS. | TEMPERATURE. | | | | RAINFALL inches. |
|---------------|---------------|---------------|-----------|-----------|---------------------|
| | Daily Max. | Daily Min. | At 8 a.m. | At 4 p.m. | |
| Sumburgh Head | 42.6 | 31.2 | 39.6 | 38.4 | 4.20 |
| Stornoway | 43.1 | 34.0 | 39.4 | 38.6 | 0.00 |
| Wick | 42.2 | 32.7 | 38.1 | 36.8 | 3.10 |
| Nairn | 41.9 | 32.8 | 37.1 | 35.6 | 1.90 |
| Aberdeen | 41.0 | 32.6 | 36.9 | 35.2 | 3.24 |
| Leith | 41.0 | 33.7 | 39.5 | 37.0 | 1.80 |
| Shields | 42.9 | 33.9 | 38.3 | 37.9 | 2.37 |
| Spurn Head | 42.1 | 33.3 | 38.8 | 37.7 | 2.14 |
| York | 42.8 | 32.3 | 36.1 | 35.4 | 2.28 |
| Loughborough | 42.7 | 32.2 | 36.3 | 35.1 | 2.24 |
| Ardsman | 41.5 | 31.9 | 36.0 | 35.7 | 3.75 |
| Mullaghmore | 40.0 | 31.8 | 34.2 | 33.8 | 1.41 |
| Dunghallow | 40.8 | 30.2 | 34.2 | 33.3 | 2.84 |
| Holyhead | 40.1 | 31.1 | 32.8 | 31.1 | 3.82 |
| Liverpool | 40.5 | 31.6 | 38.8 | 37.1 | 0.00 |
| Parsloftown | 41.7 | 31.1 | 37.8 | 36.6 | 3.01 |
| Valencia | 42.5 | 30.0 | 36.0 | 34.0 | 3.98 |
| Roch's Point | 41.0 | 31.0 | 34.0 | 31.5 | 1.95 |
| Pembroke | 40.8 | 30.8 | 33.0 | 30.0 | 3.00 |
| St. Ives | 39.0 | 29.0 | 32.0 | 30.0 | 1.02 |
| Præstø Point | 47.0 | 38.0 | 42.0 | 41.0 | 1.70 |
| Jorsey | 47.0 | 38.0 | 43.0 | 41.0 | 1.82 |
| Hurst Castle | 45.0 | 36.0 | 40.0 | 38.0 | 1.24 |
| Dover | 44.0 | 35.0 | 39.0 | 38.0 | 1.08 |
| LONDON | 44.0 | 35.0 | 37.0 | 36.0 | 1.10 |
| Oxford | 42.0 | 32.0 | 37.0 | 35.0 | 2.10 |
| Cambridge | 42.0 | 31.0 | 36.0 | 34.0 | 1.83 |
| Yarmouth | 41.0 | 31.0 | 35.0 | 33.0 | 2.00 |

NOTE—The Temperature means are for the 20 years 1871–90, the Rainfall means are mainly 1871–90, but the 20 years 1871–90.



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.1 ins. and more to 30.0 ins. over the British Islands, the North Sea, and the Netherlands.
Lowest, 29.7 ins. and less over Spain, 29.9 ins. and less over Scandinavia.

Gradients slight — for W. winds in the north, for E. winds in the south.

Barometer rising throughout our Islands, falling over Scandinavia.

TEMPERATURE

Highest, 45° at Perpignan, 46° at Biarritz, 44° at Valencia (Ireland).

Lowest, -7°F at Haparanda, +7° at Stockholm, 8° at Munich, 15° at Wimbarton, 18° at Paris and Loughborough, 26° at Laronsstora.
It is falling steadily over our Islands and France.

WIND

W¹ & S¹ over Scandinavia; W² and Variable in Scotland.

NE³ in the south of England, E³ over France. The E² breeze is of moderate strength, but calm and variable airs prevail at our inland stations.

WEATHER

Fine and dry over the United Kingdom and France, but foggy or hazy at many of our southeastern and southern stations. Over Scandinavia it is dull generally.

Very slight showers have fallen at a few of our northern and western stations, heavy showers at Rock's Point, and a considerable fall of rain in the southwest of France.

SEA

Moderate or slight except at the mouth of the Channel and at Biarritz, where it is rough.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The anticyclone is spreading, and very cold weather is probable all over our Islands (especially inland) with an increase of fog.

FORECASTS

For the 24 hours ending at NOON on 27th DEC^r 1892.

DISTRICTS.

FORECASTS.

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

Variable airs and Calms, dry.
sharp frost continuing, hazy or foggy.

E² airs (moderate breeze in Channel),
very cold, thick fog night or early morning

DISTRICTS.

FORECASTS.

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

Same as N^o 0 to 4.

E² breezes, light to moderate; fine, cold

SE² airs and Calms, continuing
very cold, fair.

WARNINGS

The Signals have been lowered this morning in districts 3 5 8 and 10

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

YESTERDAY'S 2 P.M. REPORTS.

| | BAR. | THER. | | WIND. | F. | WEA. | SEA. | | BAR. | THER. | | WIND. | F. | WEA. | SEA. |
|-----------------|-------|-------|------|-------|----|------|------|-------------------|-------|-------|------|-------|----|------|------|
| | | Dry. | Wet. | Dir. | | | | | | Dry. | Wet. | Dir. | | | |
| Skudesnaes ... | 30.00 | 36 | 34 | S | 4 | 0 | 4 | Valencia ... | | | | | | | |
| Sumburgh Head | | | | | | | | Scilly ... | | | | | | | |
| Stornoway ... | 29.90 | 35 | 35 | 2 | 0 | 6 | 3 | Jersey ... | 29.74 | 35 | 32 | E | 4 | 0 | 3 |
| Aberdeen ... | | | | | | | | Hurst Castle | | | | | | | |
| Shields ... | | | | | | | | Dungeness... | 29.89 | 34 | 33 | ESE | 5 | 6 | 0 |
| Ardrossan ... | | | | | | | | North Foreland... | 29.93 | 36 | 32 | E | | 6 | 3 |
| Malin Head ... | 29.15 | 37 | 35 | SSE | 2 | 0 | 2 | London ... | | | | | | | * |
| Mullaghmore ... | | | | | | | | Yarmouth ... | | | | | | | |
| Belmullet ... | 29.82 | 43 | 41 | E | 3 | 0 | | Rocheport ... | 29.67 | 42 | 40 | ENE | 3 | m | * |
| Holyhead ... | 29.88 | 39 | 36 | 2 | 0 | 6 | 0 | | | | | | | | |

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

Continental information not received.

SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS & THEIR NEIGHBOURHOOD FROM THE 18TH TO 24TH DEC. 1892.

The weather of the past week has been mostly fair in the eastern and southern parts of the Kingdom but unsettled in the extreme southwest, west and north, with occasional gales and some rather heavy falls of rain.

At the commencement of the period a large anticyclone lay over France, while a deep depression skirted our extreme northern coasts and passed on to Scandinavia. W^{ly} winds prevailed generally and blew with the force of a strong gale in the north of Scotland, while rain fell in the extreme north and northwest generally.

As the depression passed away over Scandinavia, the barometer rose generally, and a ridge of high pressure was gradually formed over St. Britain, the latter system ultimately developing with a definite anticyclone which settled down over Scandinavia. A depression now appeared off our southwest coasts and S.E.^{ly} winds set in generally, their force being light or moderate in the N^m and N.E.^m districts, but strong to a gale in the southwest. The weather in the former district was mostly fair, but occasionally foggy, while in the latter it was dull and unsettled with intermittent rains.

Towards the close of the time the anticyclone over Scandinavia moved southward, and a definite depression advanced over Sweden from the westward. The disturbance in the southwest began to disperse, and the wind therefore moderated. Sharp frost was experienced over the northern and eastern parts of the Kingdom on the nights of the 23rd and 24th the thermometer on the grass in London falling to a minimum of 19°.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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

" Weekly " " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on TUESDAY 27TH DECEMBER. 1892.

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

| STATIONS. | | YESTERDAY EVENING. (See note at bottom of last page.) | | | | | THIS MORNING. (See note at bottom of last page.) | | | | | | | | | | PAST 24 HOURS. | | | | |
|---------------------|-----------------------------|--|-------|---|--------------|----------|---|-------------|---------------------|--------------|--------------|--------------------------------------|------------------|----------|-------------|---------------------|------------------------|------|------|--|--|
| | | Barom. | Temp. | WIND. | | Weather. | Barometer. | SHADE TEMP. | | | WIND. | | Sea (0 to 9). | Weather. | SHADE TEMP. | | Amount of Rainfall. | | | | |
| | | | | Reading at 32° F. and Sea Level. | Dry Bulb. | | | Direc. | Force (0 to 12). | Dry Bulb. | Wet Bulb. | Change in dry since Yesterday. | | | Direc. | Force (0 to 12). | | Max. | Min. | | |
| | | | | | | | | | | | | | | | | | | | | | |
| Ins. | | ° | | | | Ins. | ° | ° | ° | | | | | | ° | ins. | | | | | |
| SCANDINAVIA. | Haparanda ... | 29.83 | 2 | SE | 2 | 0 | 29.93 | +0.1 | -1 | -1 | +6 | SE | 2 | 0 | * | 0 | 5 | -8 | 0.01 | | |
| | Hernösand ... | 29.84 | 6 | 2 | 0 | C | 29.96 | +0.1 | 3 | 3 | -3 | SE | 2 | 0 | 0 | C | 14 | -2 | — | | |
| | Stockholm ... | 29.90 | 12 | 2 | 0 | 0 | 29.97 | +0.6 | 19 | 18 | +12 | W | 2 | 0 | 0 | 0 | 2 | 3 | — | | |
| | Wishby ... | 29.93 | 21 | NW | 4 | C | 29.98 | +0.5 | 23 | 20 | +3 | NW | 6 | 0 | 0 | C | 2 | 12 | — | | |
| | Bodö ... | 29.74 | 33 | NW | 4 | C | 29.83 | +0.1 | 32 | 29 | +3 | E | 1 | 0 | 1 | C | 34 | 25 | — | | |
| | Christiansund... | 29.91 | 36 | NW | 3 | C | 30.02 | +0.1 | 35 | 34 | -2 | W | 4 | 0 | 4 | C | 37 | 34 | 0.32 | | |
| | Skudesnaes ... | 29.95 | 35 | NW | 3 | C | 30.10 | +0.1 | 32 | 31 | -4 | 2 | 0 | C | 2 | 0 | 37 | 29 | — | | |
| | Christiania Fjord (Færd) | 29.89 | 28 | NW | 4 | C | 30.04 | +0.1 | 28 | 27 | +5 | NW | 3 | 0 | 1 | C | 30 | 23 | — | | |
| | Skagen (The Seaw) | 29.93 | 33 | SE | 1 | C | 30.04 | +0.1 | 30 | 29 | +2 | 2 | 0 | 0 | 0 | C | 37 | 29 | — | | |
| | Fanö ... | 29.94 | 33 | NW | 4 | C | 30.05 | +0.5 | 28 | 27 | -6 | ESE | 1 | 0 | 0 | C | 37 | 27 | — | | |
| BRITISH ISLANDS. | Sumburgh Head | 30.04 | 32 | NW | 1 | C | 30.09 | +0.2 | 41 | 40 | +3 | W | 1 | 0 | 1 | C | 42 | 34 | — | | |
| | Stornoway ... | 30.09 | 35 | 2 | 0 | 0 | 30.09 | +0.3 | 32 | 36 | +6 | W | 4 | 0 | 4 | C | 37 | 29 | — | | |
| | Wick ... | 30.06 | 34 | NW | 1 | C | 30.09 | +0.1 | 34 | 34 | 0 | W | 1 | 0 | 2 | C | 38 | 34 | — | | |
| | Nairn ... | 30.10 | 26 | 2 | 0 | C | 30.13 | +0.5 | 20 | 19 | -6 | 2 | 0 | 0 | 1 | C | 32 | 16 | — | | |
| | Aberdeen ... | 30.13 | 32 | NW | 2 | C | 30.20 | +0.1 | 25 | 28 | -3 | NW | 1 | 0 | 2 | C | 35 | 22 | — | | |
| | Leith ... | 30.16 | 25 | W | 1 | C | 30.23 | +0.3 | 20 | 20 | -3 | W | 1 | 0 | 1 | C | 32 | 18 | — | | |
| | Shields ... | 30.12 | 29 | NW | 2 | C | 30.25 | +0.4 | 24 | 24 | +1 | SW | 2 | 0 | 2 | C | 35 | 20 | — | | |
| | Spurn Head ... | 30.11 | 30 | NW | 3 | C | 30.20 | +0.1 | 33 | 32 | +6 | NW | 2 | 0 | 2 | C | 33 | 26 | — | | |
| | York ... | 30.16 | 18 | N | 1 | C | 30.26 | +0.1 | 18 | 18 | -2 | NW | 1 | 0 | 1 | C | 22 | 13 | — | | |
| | Loughborough | 30.19 | 16 | ESE | 1 | C | 30.27 | +0.1 | 10 | 10 | -8 | SW | 1 | 0 | 1 | C | 28 | 9 | — | | |
| GERMANY & HOLLAND. | Ardrossan ... | 30.14 | 29 | NE | 1 | C | 30.23 | +0.1 | 27 | 27 | +3 | NE | 1 | 0 | 1 | C | 31 | 23 | — | | |
| | Malin Head ... | 30.10 | 32 | 2 | 3 | C | 30.13 | +0.4 | 35 | 34 | +2 | 2 | 4 | 0 | 2 | C | 37 | 31 | — | | |
| | Mullaghmore ... | 30.12 | 33 | NE | 1 | C | 30.17 | +0.6 | 34 | 31 | +5 | SE | 3 | 0 | 2 | C | 36 | 27 | — | | |
| | Belmullet ... | 30.11 | 35 | ESE | 2 | C | 30.10 | -0.1 | 34 | 32 | -4 | ESE | 2 | 0 | 2 | C | 43 | 33 | — | | |
| | Donaghadee ... | 30.16 | 28 | W | 1 | C | 30.23 | +0.9 | 28 | 28 | +1 | W | 2 | 0 | 0 | C | 37 | 27 | — | | |
| | Liverpool (Bidston) | 30.18 | 28 | SE | 1 | C | 30.26 | +0.1 | 24 | 24 | 0 | SE | 1 | 0 | 1 | C | 31 | 22 | — | | |
| | Holyhead ... | 30.15 | 35 | 2 | 0 | C | 30.23 | +0.2 | 32 | 32 | +2 | 2 | 0 | 0 | 0 | C | 42 | 30 | — | | |
| | Parsonstown ... | 30.14 | 29 | 2 | 0 | C | 30.20 | +0.6 | 26 | 24 | +1 | 2 | 0 | 0 | 0 | C | 39 | 20 | — | | |
| | Valencia ... | 30.12 | 41 | SE | 3 | C | 30.16 | +0.5 | 40 | 37 | -4 | SE | 2 | 0 | 2 | C | 45 | 37 | — | | |
| | Roche's Point | 30.14 | 38 | E | 1 | C | 30.19 | +0.9 | 45 | 43 | +10 | SE | 3 | 0 | 4 | C | 45 | 33 | — | | |
| FRANCE AND BELGIUM. | Pembroke (St. Ann's Hd.) | 30.13 | 35 | E | 2 | C | 30.22 | +0.1 | 32 | 31 | +2 | ESE | 2 | 0 | 2 | C | 37 | 30 | — | | |
| | Scilly ... | 30.09 | 40 | ESE | 3 | C | 30.16 | +0.3 | 44 | 42 | +5 | E | 4 | 0 | 4 | C | 44 | 37 | — | | |
| | Prawle Point ... | 30.13 | 37 | NE | 3 | C | 30.23 | +0.1 | 33 | 33 | +2 | NE | 4 | 0 | 3 | C | 39 | 29 | — | | |
| | Jersey (St. Aubin's) | 30.08 | 33 | ESE | 3 | C | 30.23 | +0.3 | 32 | 30 | +3 | E | 2 | 0 | 2 | C | 38 | 28 | — | | |
| | Hurst Castle ... | 30.14 | 33 | NNE | 4 | C | 30.24 | +0.1 | 25 | 25 | -4 | NNE | 2 | 0 | 2 | C | 37 | 25 | — | | |
| | Dungeness ... | 30.11 | 38 | ESE | 3 | C | 30.19 | +0.4 | 21 | 21 | -14 | N | 3 | 0 | 2 | C | 39 | 20 | — | | |
| | North Foreland | 30.11 | 38 | E | 1 | C | 30.18 | +0.1 | 32 | 32 | -6 | NW | 2 | 0 | 2 | C | 38 | 25 | — | | |
| | London ... | 30.18 | 32 | E | 1 | C | 30.24 | +0.6 | 17 | 16 | -7 | SW | 1 | 0 | 1 | C | 37 | 17 | — | | |
| | Oxford ... | 30.20 | 23 | 2 | 0 | C | 30.27 | +0.2 | 14 | 14 | -6 | 2 | 0 | 0 | 0 | C | 37 | 14 | 0.01 | | |
| | Cambridge ... | 30.18 | 25 | N | 1 | C | 30.23 | +0.1 | 17 | 17 | -2 | 2 | 0 | 0 | 0 | C | 34 | 16 | — | | |
| PENINSULA. | Yarmouth ... | 30.12 | 30 | ESE | 1 | C | 30.17 | +0.6 | 31 | 30 | 0 | NW | 2 | 0 | 2 | C | 36 | 24 | — | | |
| | Cuxhaven ... | 30.03 | 32 | SE | 3 | 0 | 30.08 | -0.1 | 35 | 34 | +7 | W | 2 | 0 | 0 | 0 | 3 | 2 | — | | |
| | Berlin ... | 30.09 | 22 | SW | 2 | 0 | 30.09 | -0.6 | 26 | 25 | +10 | 2 | 0 | 0 | 0 | 0 | 26 | 16 | 0.04 | | |
| | Wiesbaden ... | 30.00 | 13 | 2 | 0 | C | 30.15 | +0.7 | 21 | 20 | +6 | 2 | 0 | 0 | 0 | 0 | 30 | 15 | — | | |
| | Munich ... | 30.00 | 13 | 2 | 0 | C | 30.08 | +0.1 | 10 | 9 | +2 | E | 2 | 0 | 0 | 0 | 13 | 25 | — | | |
| | The Helder ... | 30.10 | 37 | NW | 2 | C | 30.17 | +0.2 | 37 | 36 | +10 | NNE | 1 | 0 | 1 | C | 39 | 25 | — | | |
| | Brussels (a.m.) | 30.08 | 28 | ESE | 1 | C | 30.17 | +0.1 | 25 | 23 | +8 | SE | 1 | 0 | 1 | C | 31 | 17 | — | | |
| | Cape Gris Nez | 30.12 | 37 | N | 2 | C | 30.18 | +0.1 | 33 | 32 | +11 | N | 2 | 0 | 2 | C | 34 | 21 | — | | |
| | Paris ... | 30.12 | 37 | N | 2 | C | 30.18 | +0.1 | 33 | 32 | +11 | N | 2 | 0 | 2 | C | 34 | 21 | — | | |
| | Brest ... | 30.12 | 37 | NE | 3 | C | 30.18 | +0.1 | 33 | 32 | +11 | NE | 2 | 0 | 3 | C | 35 | 30 | — | | |

For Explanation of Columns, see bottom of last page.

† Received too late for insertion in Charts on next page.

WEATHER CHARTS

for 8 a.m. on *Tuesday, 27th Dec: 1892.*

BAROMETER, WIND AND SEA.

EXPLANATION OF MAP

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

Changes since previous morning are stated in words.

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

their bars and feathers refer to force thus—

— forces above 10 — forces 8 to 10.

— forces 5 to 7 — forces 1 to 4.

— dead calm.

SEA DISTURBANCE—Where considerable, is shown thus:

— = Rough. — = High.

MEAN HEIGHT OF THE BAROMETER

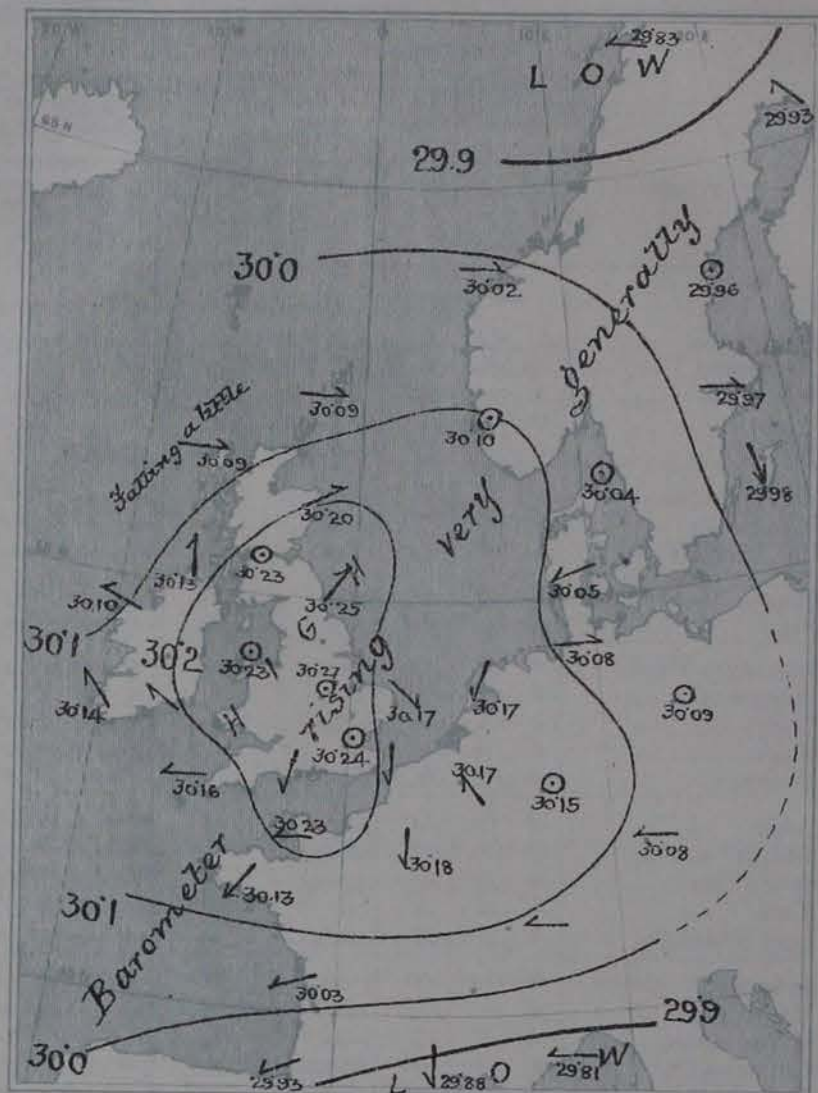
at 8 a.m. for the month of December

During the 20 Years: 1871—1890.

STATIONS.

MEAN READINGS.

| STATIONS. | MEAN READINGS. |
|---------------|----------------|
| Samburgh Head | 29.670 |
| Stornoway | 29.705 |
| Wick | 29.718 |
| Nairn | 29.714 |
| Aberdeen | 29.707 |
| Leith | 29.807 |
| Shields | 29.813 |
| Spurn Head | 29.873 |
| York | 29.890 |
| Loughborough | 29.824 |
| Androssan | 29.829 |
| Mullaghmore | 29.821 |
| Dunghadale | 29.818 |
| Holyhead | 29.879 |
| Liverpool | 29.805 |
| Parslowdown | 29.901 |
| Valencia | 29.905 |
| Roch's Point | 29.912 |
| Pembroke | 29.910 |
| Sally | 29.951 |
| Pravle Point | 29.970 |
| Jersey | 29.984 |
| Hurst Castle | 29.958 |
| Dover | 29.951 |
| LONDON | 29.931 |
| Oxford | 29.933 |
| Cambridge | 29.941 |
| Yarmouth | 29.910 |



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

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

WEATHER—is shown by Letters of the Beaufort Scale.

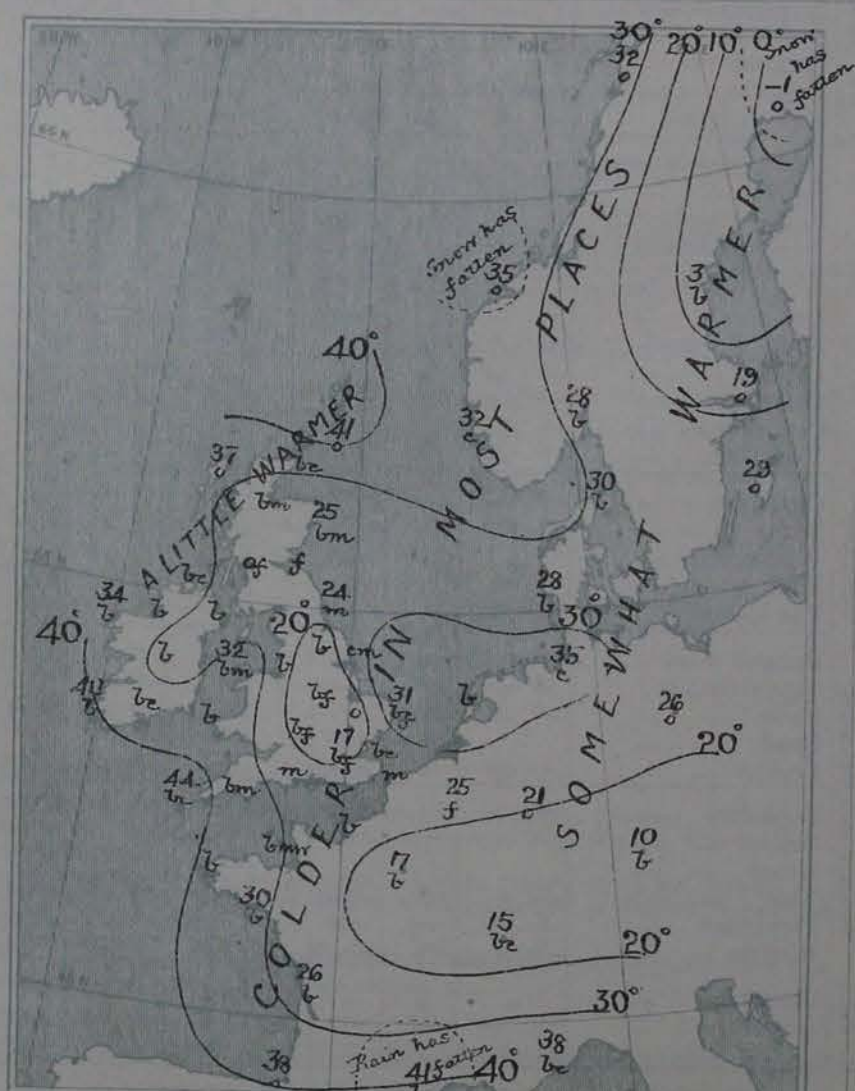
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of December.)

| STATIONS. | TEMPERATURE. | | | | RAINFALL. Inches. |
|---------------|--------------|-------------|-------------------|---------------------|----------------------|
| | Day Max. | Day Min. | at 8 a.m. Day. | at 8 a.m. Night. | |
| Samburgh Head | 42.4 | 33.2 | 30.6 | 28.9 | 1.20 |
| Stornoway | 43.1 | 34.2 | 30.4 | 28.5 | 0.10 |
| Wick | 42.9 | 32.7 | 30.1 | 28.8 | 0.10 |
| Nairn | 41.9 | 32.8 | 30.1 | 28.6 | 1.05 |
| Aberdeen | 41.9 | 32.6 | 30.0 | 28.2 | 0.21 |
| Leith | 41.0 | 33.7 | 30.5 | 28.0 | 1.30 |
| Shields | 42.0 | 33.9 | 30.3 | 28.9 | 2.37 |
| Spurn Head | 42.1 | 35.3 | 30.8 | 27.7 | 2.11 |
| York | 42.3 | 32.3 | 30.4 | 28.4 | 1.28 |
| Loughborough | 42.7 | 32.2 | 30.3 | 28.1 | 1.21 |
| Androssan | 41.0 | 33.0 | 30.0 | 28.7 | 1.74 |
| Mullaghmore | 40.3 | 32.8 | 29.2 | 28.8 | 1.31 |
| Dunghadale | 40.8 | 30.2 | 40.2 | 30.3 | 2.84 |
| Holyhead | 40.4 | 30.1 | 42.8 | 31.1 | 3.82 |
| Liverpool | 41.3 | 33.6 | 30.8 | 27.1 | 2.69 |
| Parslowdown | 41.7 | 33.1 | 30.8 | 28.0 | 3.01 |
| Valencia | 40.7 | 30.0 | 41.0 | 32.4 | 3.99 |
| Roch's Point | 40.9 | 30.0 | 42.9 | 31.0 | 1.95 |
| Pembroke | 40.8 | 30.3 | 40.0 | 30.2 | 3.09 |
| Sally | 40.3 | 43.1 | 47.0 | 43.1 | 1.02 |
| Pravle Point | 40.0 | 38.2 | 42.5 | 41.1 | 3.76 |
| Jersey | 40.3 | 39.3 | 43.1 | 41.1 | 3.82 |
| Hurst Castle | 40.0 | 36.3 | 40.0 | 39.8 | 2.78 |
| Dover | 44.3 | 33.0 | 31.8 | 28.0 | 3.00 |
| LONDON | 44.0 | 33.0 | 31.8 | 28.7 | 2.10 |
| Oxford | 42.0 | 33.5 | 37.0 | 35.0 | 2.10 |
| Cambridge | 42.8 | 31.0 | 30.2 | 35.5 | 1.88 |
| Yarmouth | 41.2 | 31.7 | 37.0 | 37.0 | 2.60 |

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



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.2 in: and more to 30.0 in in a large anticyclone covering the whole of the British Islands and northern Europe.
 Lowest, 29.9 in: and less, over Lapland, and about 29.8 in: over the Gulf of Genoa.
 Gradients slight everywhere.
 Barometer rising except at Stornoway, where there is a slight fall.

TEMPERATURE

Highest, 44° at Lisbon and Seilly, 41° at Perpignan and also at Lumburg H^t, 40° at Valencia (Ireland).
 Lowest, 11° F. at Hafnarvundur, 13° at Helsingfors, 15° at Munich, 17° at Paris; (3) 10° at Loughlaugh, 11° at Oxford, 18° at York, 19° at Birmingham.
 The minimum readings reported on grass were 7° at Oxford and 12° in London.

WIND

Moderate from NE. or E. over the Bay of Biscay and at the mouth of the Channel, SE³ on the Irish coasts.
 W¹ at Stornoway, Lumburg H^t and Christianund, NW¹ in the south of Sweden.
 Calms and variable airs are reported over Great Britain.

WEATHER

Fair and dry over the British Islands and northwestern Europe generally — clear and bright in many places, foggy in others, and overcast in the east and north of Scotland, as well as at Stockholm and Viborg.

SEA

Moderate both on our southwestern coasts and in the extreme northwest, slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

There is no definite indication of any important change.

FORECASTS

For the 24 hours ending at NOON on 28th Decr 1892.

DISTRICTS.

FORECASTS.

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

SW² breezes; fair as a whole.
 SW² airs and Calms; foggy, very cold.
 Calms and variable airs; very foggy, with hard frost continuing.

DISTRICTS.

FORECASTS.

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

Same as No 0
 Same as No 3 to 5.
 E² winds, moderate to light; fair, cold.
 SE² winds, light; fine cold.

WARNINGS

None issued.

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

YESTERDAY'S 2 P.M. REPORTS.

| | BAR. | THER. | | WIND. Direc. | F. | WEA. | SEA. | | BAR. | THER. | | WIND. Direc. | F. | WEA. | SEA. |
|-------------------|-------|-------|------|-----------------|----|------|------|--------------------|-------|-------|------|-----------------|----|------|------|
| | | Dry. | Wet. | | | | | | | Dry. | Wet. | | | | |
| Skudesnaes ... | 29.91 | 37 | 36 | ESE | 1 | 0 | 2 | Valencia ... | 30.11 | 49 | 43 | SE | 1 | mg | 3 |
| Sumburgh Head ... | 30.02 | 40 | 38 | WNW | 1 | C | 1 | Scilly ... | 30.06 | 42 | 39 | E | 3 | bc | 3 |
| Stornoway ... | 30.06 | 37 | 36 | 2 | 0 | C | 3 | Jersey ... | 30.03 | 38 | 34 | NE | 3 | b | 3 |
| Aberdeen ... | | | | | | | | Hurst Castle ... | | | | | | | |
| Shields ... | 30.13 | 35 | 35 | WNW | 2 | bc | 2 | Dungeness ... | 30.09 | 35 | 34 | E | 3 | bc | 3 |
| Ardrossan ... | 30.13 | 30 | 29 | 2 | 0 | bc | 0 | North Foreland ... | 30.12 | 38 | 32 | E | 3 | b | 3 |
| Malin Head ... | 30.10 | 37 | 34 | 2 | 2 | bc | 2 | London ... | 30.13 | 37 | 34 | ESE | 1 | mg | * |
| Mullaghmore ... | 30.12 | 35 | 34 | ESE | 2 | b | 2 | Yarmouth ... | 30.12 | 36 | 32 | E | 1 | bc | 2 |
| Belmullet ... | 30.11 | 43 | 41 | E | 2 | b | * | Rochefort ... | 29.87 | 34 | 33 | ESE | 4 | m | * |
| Holyhead ... | 30.13 | 40 | 38 | WNW | 1 | b | 1 | | | | | | | | |

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

Weather in morning fine and bright over the greater part of the United Kingdom, central, and southeastern Europe, as well as over the north of Russia, but foggy locally in many places; dull over the Mediterranean and the Iberian Peninsula as well as over the Baltic and Scandinavia. Some snow later over the northern part of Sweden and Norway, and about 0.4 in. of rain at Perpignan. Continuing foggy over England.

Temperature in morning exceeding 50° at the coast stations of the south of Italy, Algeria, and Spain, only; exceeding 40° at Biarritz and Valencia (Ireland); very low over the Continent and inland parts of our Islands. Lowest, -2° to -13° F over Iceland and Russia, +7° at Stockholm; 3° at Kiev, 8° at Munich, Vienna, and Budapesth, 10° at Berlin, 18° at Paris; 18° to 20° over the English midland counties, 25° at Carronston. Rising to 40° and more in the extreme north and west of our Islands later, to 48° at Nice, 50° at Biarritz, and 57° at Lisbon. Hard frost at night over all inland districts.

Wind light and anticyclonic over the British Islands as well as over Hungary and the south of Russia; W¹ to S³ over Scandinavia, N³ over the Baltic; E³ over France, N³ over Italy, W³ over Algeria. No important change later.

Barometer highest 30.3 in. and more to 30.2 in. over Russia, and 30.1 in. and more to 30.0 in. in a broad band extending thence across Poland, Austria-Hungary, Germany, and the British Islands to the Atlantic. Lowest, 29.6 in. and less, over the northwest of Norway, 29.8 in. and less, over the Gulf of Riga, and below 29.7 in. over the northern half of the Mediterranean. Rising slowly over Western Europe later, falling a little over the Baltic.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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

„ Weekly „ „ „ „ £1 10 0 „

DAILY WEATHER REPORT

for 8 a.m. on Wednesday, 28th December, 1892.

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

| STATIONS. | | YESTERDAY EVENING. (See note at bottom of last page.) | | | | | THIS MORNING. (See note at bottom of last page.) | | | | | | | | | | PAST 24 HOURS. | | | | |
|---|--------------|--|---------------------------|---|--|--------------|---|--------------------------------------|-------------|---------------------------|----------|----------|------|------------------|-------------|----|------------------------|------|--|--|--|
| | | Barom. | Temp. | Wind. | | Weather. | Barometer. | | Shade Temp. | | | Wind. | | Sea (0 to 9). | Shade Temp. | | Amount of Rainfall. | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| Reading at 82° F. and Sea Level. | Dry Bulb. | Dirac. | Force (0 to 12). | Reading at 82° F. and Sea Level. | Change since Yester- day Morn. | Dry Bulb. | Wet Bulb. | Change in dry since Yesterday. | Dirac. | Force (0 to 12). | Weather. | Weather. | Max. | Min. | | | | | | | |
| Ins. | ° | | | Ins. | ° | ° | ° | ° | | | | | ° | Ins. | | | | | | | |
| SCANDINAVIA. | | | | | | | | | | | | | | | | | | | | | |
| Haparanda ... | 29.92 | 4 | SE | 2 | 0 | 29.76 | - .17 | 9 | 9 | + 10 | Z | 0 | 0 | # | 0 | ? | -2 | - | | | |
| Hernösand ... | 29.97 | 10 | Z | 0 | c | 29.78 | - .18 | 26 | 25 | + 23 | Z | 0 | 0 | # | c | ? | 0 | 0.04 | | | |
| Stockholm ... | 30.05 | 18 | Z | 0 | c | 29.94 | - .03 | 25 | 24 | + 6 | SW | 2 | 0 | # | c | ? | 10 | - | | | |
| Wisby ... | 30.07 | 31 | N | 4 | bc | 30.02 | + .04 | 33 | 32 | + 4 | NW | 4 | 0 | # | bc | 32 | 18 | - | | | |
| Bodö ... | 29.69 | 32 | E | 4 | 0 | 29.48 | - .35 | 33 | 32 | + 1 | ESE | 4 | m | 2 | 0 | 33 | 28 | - | | | |
| Christiansund... | 29.90 | 40 | NSW | 4 | 0 | 29.81 | - .21 | 37 | 36 | + 2 | NSW | 6 | r | 4 | 0 | ? | 35 | - | | | |
| Skudesnaes ... | 30.14 | 34 | ESE | 2 | c | 30.06 | - .04 | 36 | 36 | + 4 | NE | 1 | 0 | 2 | 0.6 | ? | 32 | - | | | |
| Christiania Fjord (Færd) | 30.09 | 27 | NW | 3 | c | ? | ? | 30 | 28 | + 2 | NSW | 2 | 0 | 1 | c | ? | 23 | - | | | |
| Skagen (The Scaw) | 30.08 | 30 | SW | 2 | f | 30.02 | - .02 | 31 | 30 | + 1 | N | 1 | 0 | 0 | f | 34 | 24 | - | | | |
| Fanö ... | 30.20 | 30 | SW | 1 | f | 30.19 | + .14 | 36 | 35 | + 8 | N | 1 | c | # | f | 36 | 25 | - | | | |
| BRITISH ISLANDS. | | | | | | | | | | | | | | | | | | | | | |
| Sumburgh Head | 30.06 | 41 | NSW | 2 | c | 30.00 | - .09 | 43 | 42 | + 2 | NSW | 3 | 0 | 3 | bc,c | 45 | 38 | 0.01 | | | |
| Stornoway ... | 30.10 | 40 | S | 4 | 0 | 29.99 | - .10 | 41 | 40 | + 4 | SW | 4 | 0 | 4 | 0 | 42 | 34 | - | | | |
| Wick ... | 30.12 | 32 | NW | 1 | bc | 30.03 | - .06 | 35 | 34 | + 1 | NW | 2 | c | 1 | bc | 38 | 29 | - | | | |
| Nairn ... | 30.13 | 34 | N | 2 | bc | 30.08 | - .05 | 35 | 34 | + 15 | NSW | 2 | c | 1 | b | 37 | 15 | - | | | |
| Aberdeen ... | 30.18 | 24 | WNW | 1 | b | 30.11 | - .09 | 25 | 24 | 0 | NW | 1 | cm | 2 | bm | 30 | 21 | - | | | |
| Leith ... | 30.23 | 30 | NSW | 2 | b | 30.18 | - .05 | 33 | 32 | + 13 | NSW | 1 | f | # | b | 34 | 18 | - | | | |
| Shields ... | 30.25 | 31 | N | 2 | m | 30.20 | - .05 | 30 | 30 | + 6 | Z | 0 | m | 2 | m | 33 | 24 | - | | | |
| Spurn Head ... | 30.27 | 35 | NW | 2 | om | 30.27 | + .07 | 31 | 30 | - 2 | NSW | 2 | bm | 2 | om | 35 | 30 | - | | | |
| York ... | 30.28 | 25 | NW | 1 | f | 30.26 | - .00 | 20 | 20 | + 2 | S | 1 | f | # | f | 28 | 17 | - | | | |
| Loughborough | 30.31 | 17 | ESE | 1 | b | 30.34 | + .07 | 16 | 16 | + 6 | ESE | 1 | f | # | b | 27 | 9 | - | | | |
| GERMANY & HOLLAND. | | | | | | | | | | | | | | | | | | | | | |
| Ardrossan ... | 30.24 | 38 | S | 1 | cm | 30.20 | - .03 | 39 | 39 | + 12 | SSE | 4 | cm | 3 | cm | 39 | 27 | - | | | |
| Malin Head ... | 30.16 | 35 | S | 4 | b | 30.08 | - .05 | 35 | 34 | 0 | S | 5 | om | 2 | b | 38 | 34 | - | | | |
| Mullaghmore ... | 30.20 | 36 | NE | 2 | b | 30.15 | - .02 | 39 | 37 | + 5 | SSW | 4 | c | 2 | b | 46 | 32 | - | | | |
| Belmullet ... | 30.17 | 36 | SE | 3 | b | 30.07 | - .03 | 45 | 43 | + 11 | S | 3 | 0 | # | b | 45 | 32 | - | | | |
| Donaghadee ... | 30.26 | 26 | S | 1 | m | 30.22 | - .01 | 28 | 28 | 0 | SSE | 2 | b | 1 | m | 34 | 25 | - | | | |
| FRANCE AND BELGIUM. | | | | | | | | | | | | | | | | | | | | | |
| Liverpool (Bldston) | 30.29 | 30 | SE | 1 | b | 30.32 | + .06 | 22 | 22 | - 2 | SE | 1 | S | 1 | b | 33 | 22 | - | | | |
| Holyhead ... | 30.27 | 34 | Z | 0 | bm | 30.26 | + .03 | 36 | 35 | + 4 | SSW | 1 | b | 1 | bm | 39 | 28 | - | | | |
| Parsonstown ... | 30.23 | 32 | Z | 0 | b | 30.20 | - .00 | 32 | 31 | + 6 | Z | 0 | b | # | b | 38 | 23 | - | | | |
| Valencia ... | 30.20 | 45 | S | 1 | c | 30.19 | + .03 | 46 | 43 | + 6 | S | 3 | c | # | bcm,cm | 48 | 39 | - | | | |
| Roche's Point | 30.23 | 48 | SSE | 2 | c | 30.24 | + .05 | 45 | 43 | 0 | SSE | 3 | b | 4 | c | 47 | 43 | - | | | |
| Pembroke (St. Ann's Hd.) | 30.26 | 36 | E | 2 | b | 30.30 | + .08 | 34 | 33 | + 2 | E | 2 | bm | 2 | b | 39 | 30 | - | | | |
| Scilly ... | 30.21 | 45 | ESE | 3 | bc | 30.25 | + .09 | 43 | 40 | - 1 | ESE | 3 | bc | 3 | bc | 48 | 30 | - | | | |
| Prawle Point ... | 30.24 | 33 | NE | 2 | b | 30.30 | + .07 | 35 | 35 | + 2 | NE | 2 | ogm | 1 | b | 42 | 31 | - | | | |
| Jersey (St. Aubin's) | 30.25 | 33 | E | 2 | bm | 30.31 | + .08 | 34 | 31 | + 2 | E | 2 | bm | 2 | bm | 40 | 29 | - | | | |
| Hurst Castle ... | 30.28 | 31 | NE | 1 | m | 30.32 | + .08 | 28 | 28 | + 3 | NE | 1 | f | 1 | m | 36 | 24 | - | | | |
| PENINSULA. | | | | | | | | | | | | | | | | | | | | | |
| Dungeness ... | 30.23 | 34 | N | 3 | f | 30.30 | + .11 | 34 | 34 | + 13 | NW | 1 | f | 1 | f | 37 | 20 | - | | | |
| North Foreland | 30.25 | 38 | NW | 2 | 0 | 30.31 | + .13 | 35 | 35 | + 3 | NW | 2 | f | 2 | c,of | 40 | 30 | 0.08 | | | |
| London ... | 30.30 | 26 | Z | 0 | bm | 30.34 | + .10 | 26 | 26 | + 9 | Z | 0 | ogf | # | bf,of | 31 | 17 | - | | | |
| Oxford ... | 30.33 | 24 | Z | 0 | f | 30.35 | + .08 | 24 | 23 | + 10 | Z | 0 | f | # | bf,of | 29 | 14 | - | | | |
| Cambridge ... | 30.32 | 25 | Z | 0 | bc | 30.34 | + .11 | 27 | 27 | + 10 | Z | 0 | 0 | # | bcm | 32 | 16 | - | | | |
| Yarmouth ... | 30.24 | 34 | NW | 2 | bcf | 30.28 | + .11 | 29 | 28 | - 2 | WNW | 2 | bcf | 3 | bf, bcf | 38 | 27 | - | | | |
| GERMANY & HOLLAND. | | | | | | | | | | | | | | | | | | | | | |
| Cuxhaven ... | 30.20 | 32 | Z | 0 | f | 30.26 | + .18 | 33 | 32 | - 2 | SW | 2 | m | # | f | 35 | 32 | - | | | |
| Berlin ... | 30.25 | 30 | WNW | 2 | 0 | 30.27 | + .18 | 31 | 31 | + 5 | N | 2 | 0 | # | 0 | 30 | 26 | - | | | |
| Wiesbaden ... | 30.18 | 11 | E | 3 | # | 30.34 | + .19 | 16 | 15 | - 5 | Z | 0 | b | # | # | 28 | 16 | - | | | |
| Munich ... | 30.18 | 11 | E | 3 | # | 30.22 | + .14 | 6 | 6 | - 4 | NE | 3 | b | # | b | 18 | 5 | - | | | |
| The Helder ... | 30.29 | 37 | N | 1 | r | 30.32 | + .15 | 35 | 35 | - 2 | SE | 1 | c | 1 | r | 39 | 28 | 0.08 | | | |
| FRANCE AND BELGIUM. | | | | | | | | | | | | | | | | | | | | | |
| Brussels (9 a.m.) | ? | 35 | N | 2 | c | ? | ? | 35 | 32 | + 2 | EHE | 1 | m | 1 | c | 39 | 32 | - | | | |
| Cape Gris Nez | ? | 32 | N | 2 | 0 | 30.26 | + .08 | 24 | 24 | + 7 | NHE | 2 | b | # | 0 | ? | 17 | - | | | |
| Paris ... | 30.22 | 36 | E | 2 | b | ? | ? | 34 | 33 | + ? | EHE | 2 | b | 3 | b | 43 | 30 | - | | | |
| Brest ... | ? | 37 | EHE | 4 | b | 30.23 | + .10 | 33 | 32 | + 3 | EHE | 4 | b | 4 | b | 39 | 28 | - | | | |
| Lorient ... | 30.19 | 37 | EHE | 4 | b | 30.23 | + .10 | 33 | 32 | + 3 | EHE | 4 | b | 4 | b | 39 | 28 | - | | | |
| FRANCE AND BELGIUM. | | | | | | | | | | | | | | | | | | | | | |
| Rochefort ... | 30.08 | 32 | EHE | 4 | b | 30.08 | + .05 | 28 | 28 | + 2 | EHE | 4 | b | # | b | 45 | 23 | - | | | |
| Belfort ... | ? | 14 | E | 4 | bc | ? | ? | 13 | 12 | - 2 | E | 3 | bc | # | bc | 21 | 10 | - | | | |
| Lyons ... | ? | ? | ? | ? | ? | ? | ? | ? | ? | ? | ? | ? | ? | ? | ? | ? | ? | - | | | |
| Nice ... | 29.82 | 41 | Z | 0 | c | 29.95 | + .14 | 44 | 34 | + 6 | E | 2 | 0 | 2 | c | 48 | 37 | - | | | |
| Perpignan ... | 29.89 | 41 | N | 4 | b | 30.06 | + .18 | 29 | 29 | - 12 | S | 1 | b | # | b | 48 | 28 | - | | | |
| Biarritz ... | 29.96 | 56 | E | 3 | 0 | 30.01 | + .08 | 28 | 26 | - 10 | E | 3 | b | 2 | 0 | 46 | 25 | - | | | |
| PENINSULA. | | | | | | | | | | | | | | | | | | | | | |
| Corunna ... | ? | ? | ? | ? | ? | ? | ? | ? | ? | ? | ? | ? | ? | ? | ? | ? | ? | - | | | |
| Lisbon ... | 29.91 | 49 | NHE | 3 | b | 29.94 | - .02 | 43 | 40 | - 1 | NHE | 4 | b | # | b | 54 | 43 | - | | | |

For Explanation of Columns, see bottom of last page.

† Received too late for insertion in Charts on next page.

WEATHER CHARTS

for 8 a.m. on Wednesday, 28. Dec. 1892.

BAROMETER, WIND AND SEA.

EXPLANATION OF MAP

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

Changes since previous morning are stated in words.

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

their barbs and feathers refer to force thus—

— forces above 10; — forces 8 to 10;

— forces 5 to 7; — forces 1 to 4.

☉—dead calm.

SEA DISTURBANCE—Where considerable, is shown thus

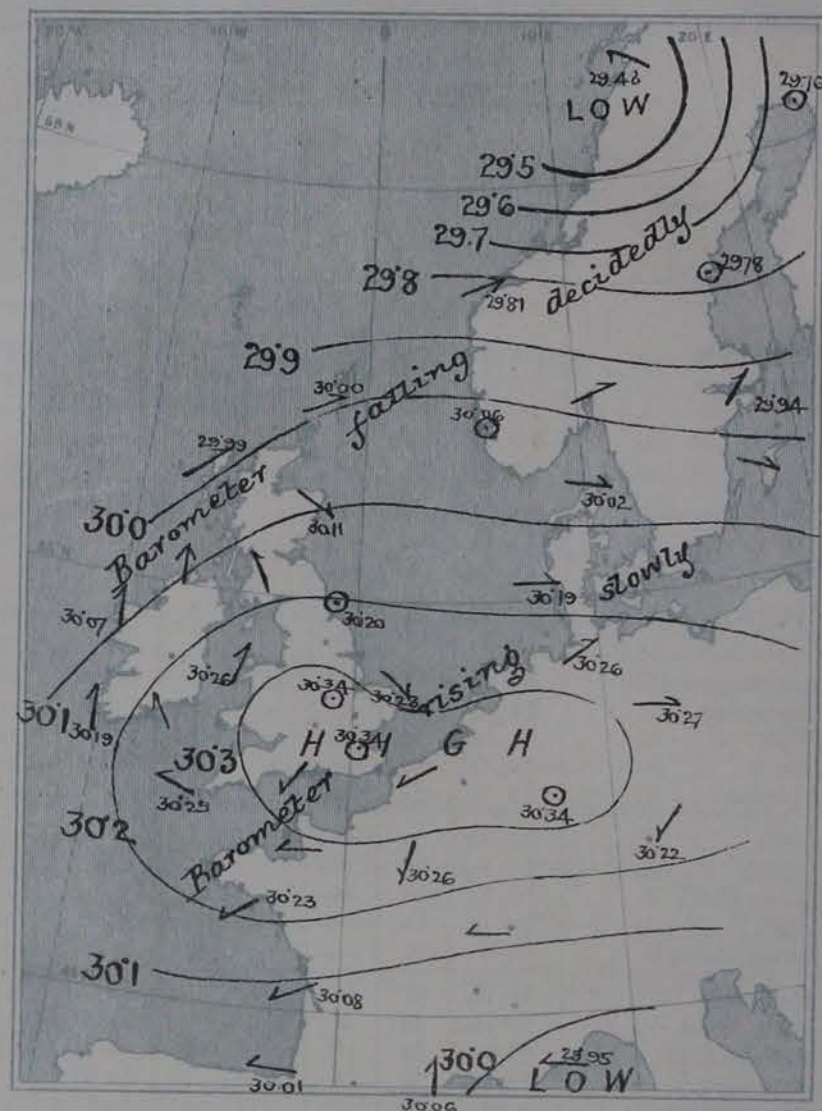
— = Rough. — = High.

MEAN HEIGHT OF THE BAROMETER

at 8.0 a.m. for the month of December

During the 20 Years: 1871—1890.

| STATIONS. | MEAN READINGS. |
|---------------|----------------|
| Sumburgh Head | 29.573 |
| Stornoway | 29.506 |
| Wick | 29.718 |
| Nairn | 29.713 |
| Aberdeen | 29.767 |
| Leith | 29.807 |
| Shields | 29.843 |
| Spurn Head | 29.873 |
| York | 29.880 |
| Loughborough | 29.921 |
| Androssan | 29.820 |
| Mullaghmore | 29.821 |
| Donaghadee | 29.818 |
| Holyhead | 29.879 |
| Liverpool | 29.893 |
| Parsonstown | 29.901 |
| Valencia | 29.903 |
| Roshe's Point | 29.912 |
| Pembroke | 29.916 |
| Sally | 29.951 |
| Prawle Point | 29.979 |
| Jersey | 29.984 |
| Hurst Castle | 29.958 |
| Dover | 29.943 |
| LONDON | 29.951 |
| Oxford | 29.955 |
| Cambridge | 29.941 |
| Yarmouth | 29.916 |



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

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

WEATHER—is shown by letters of the Beaufort Scale.

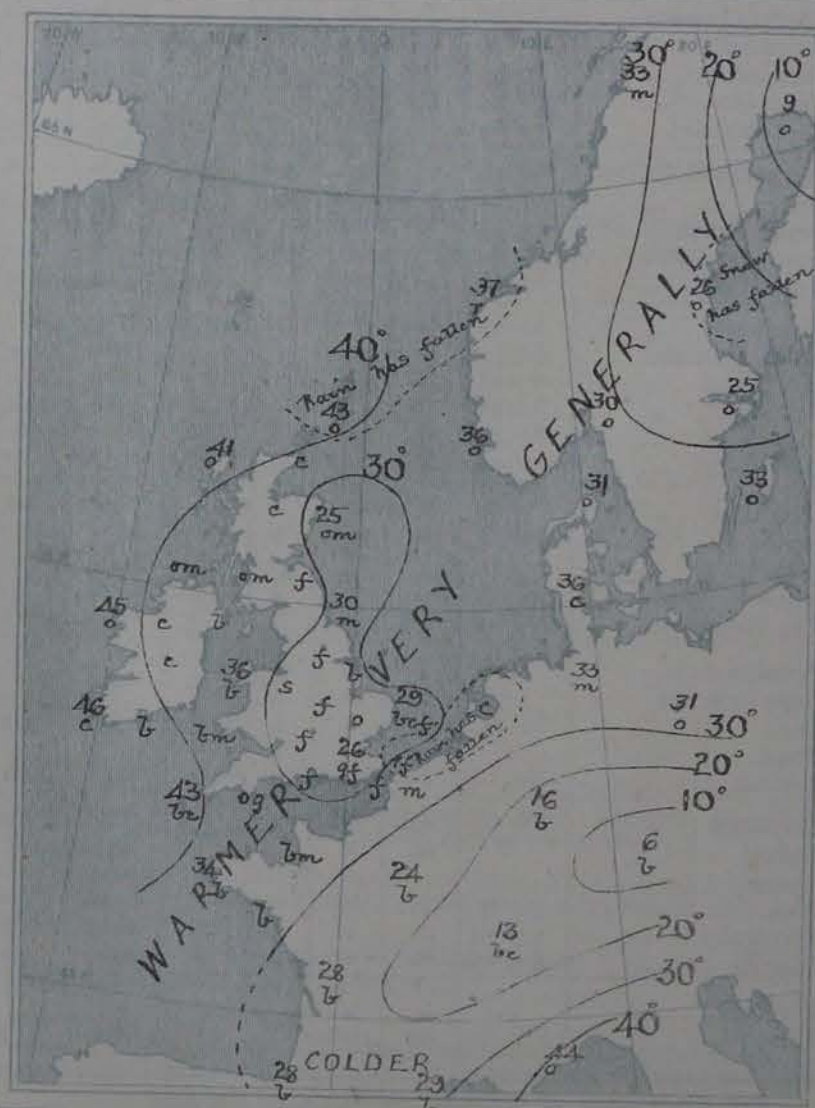
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of December.)

| STATIONS. | TEMPERATURE. | | | | RAINFALL. (Inches.) |
|---------------|---------------|---------------|-------------------|------|------------------------|
| | Daily Max. | Daily Min. | at 8 a.m. Dry. | Wet. | |
| Sumburgh Head | 42.6 | 35.2 | 39.6 | 38.1 | 1.26 |
| Stornoway | 43.1 | 34.2 | 39.1 | 38.5 | 5.03 |
| Wick | 42.2 | 32.7 | 38.1 | 36.8 | 3.10 |
| Nairn | 41.0 | 32.8 | 37.1 | 35.0 | 1.95 |
| Aberdeen | 41.0 | 32.6 | 36.9 | 35.2 | 3.24 |
| Leith | 41.0 | 33.7 | 38.5 | 37.0 | 1.86 |
| Shields | 42.9 | 33.9 | 38.8 | 36.0 | 2.57 |
| Spurn Head | 42.4 | 35.3 | 38.8 | 37.7 | 2.14 |
| York | 42.5 | 32.3 | 36.4 | 35.4 | 2.28 |
| Loughborough | 42.7 | 32.3 | 36.3 | 35.4 | 2.24 |
| Androssan | 41.5 | 35.0 | 40.0 | 38.7 | 8.74 |
| Mullaghmore | 41.3 | 37.8 | 42.2 | 39.8 | 1.51 |
| Donaghadee | 43.8 | 36.2 | 40.2 | 39.3 | 2.84 |
| Holyhead | 40.4 | 39.1 | 42.8 | 41.1 | 0.82 |
| Liverpool | 43.0 | 35.6 | 38.8 | 37.1 | 2.59 |
| Parsonstown | 41.7 | 35.1 | 37.8 | 36.8 | 3.01 |
| Valencia | 42.7 | 40.0 | 44.0 | 42.4 | 3.99 |
| Roshe's Point | 47.9 | 38.9 | 42.9 | 41.5 | 4.06 |
| Pembroke | 46.8 | 40.3 | 43.9 | 42.2 | 3.99 |
| Sally | 49.5 | 43.4 | 47.0 | 45.1 | 4.02 |
| Prawle Point | 47.0 | 38.2 | 42.5 | 41.1 | 3.76 |
| Jersey | 47.3 | 39.3 | 43.1 | 41.4 | 3.82 |
| Hurst Castle | 45.6 | 36.3 | 40.6 | 39.8 | 2.78 |
| Dover | 41.3 | 35.9 | 37.8 | 36.6 | 3.06 |
| LONDON | 44.0 | 34.2 | 37.8 | 36.7 | 3.10 |
| Oxford | 42.9 | 35.5 | 37.0 | 35.0 | 2.10 |
| Cambridge | 42.8 | 31.6 | 36.1 | 33.5 | 1.88 |
| Yarmouth | 41.3 | 35.7 | 37.0 | 37.0 | 2.60 |

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



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.8 inches and more to 30.0 inches over France, Germany, the British Islands and the North Sea.
 Lowest 29.5 inches and less in a depression off the coast of Finmark; and below 30.0 inches over the Gulf of Genoa.
 Gradients were slight over the Netherlands, the Channel and England, moderate elsewhere.
 Barometer was falling in the north and northwest, rising in the south, but the rise was very slight.

TEMPERATURE

Highest 45° to 46° on the west and south coasts of Ireland, 43° at Sally and Lumborough Head, 41° at Nice.
 Lowest (1.) 5° at Haparanda, 25° at Stockholm; (2.) 6° at Munich, 16° at Wiesbaden, 24° at Paris; (3.) 16° at Loughborough, 20° at York, and 24° at Oxford.
 It has risen in all parts of England since yesterday, but the change has occurred very irregularly.

WIND

Moderate from the eastward over France and the Bay of Biscay, light easterly to northerly in the Channel;
 Moderate southerly in Ireland, southwesterly in Scotland.
 Over the northern half of Norway there was a cyclonic circulation round the depression referred to above.

WEATHER

Cloudy or overcast at our western and northern stations, hazy in the west of Norway; very foggy over England and the Channel, clear and bright over France.
 Some rain fell last evening at the Helder and the North Foreland. Much fog has prevailed over England during the twenty-four hours.

SEA

Moderate on our extreme west and northwest coasts, slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The anticyclone has moved considerably in a southeasterly direction during the night, but there is doubt whether the change is of a permanent character.

FORECASTS

For the 24 hours ending at NOON on 29th December 1892.

DISTRICTS.

FORECASTS.

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

SW^{ly} and W^{ly} breezes; milder, rain or sleet at times.

Calms or variable airs; foggy, temperature rising somewhat.

DISTRICTS.

FORECASTS.

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

SW^{ly} winds; milder, some rain.

E^{ly} and SE^{ly} winds, moderate; unsettled.

S^{ly} and SW^{ly} winds, some showers.

WARNINGS

NONE ISSUED.

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

YESTERDAY'S 2 P.M. REPORTS.

| | BAR. | THER. | | WIND. Dirac. | F. | WEA. | SEA. | | BAR. | THER. | | WIND. Dirac. | F. | WEA. | SEA. |
|-------------------|-------|-------|------|-----------------|----|------|------|--------------------|-------|-------|------|-----------------|----|------|------|
| | | Dry. | Wet. | | | | | | | Dry. | Wet. | | | | |
| Skudesnaes ... | 30.13 | 34 | 33 | Z | 0 | b | 2 | Valencia ... | 30.18 | 48 | 44 | SSE | 2 | bcm | 3 |
| Sumburgh Head ... | 30.09 | 40 | 39 | W | 2 | bc | 1 | Scilly ... | 30.19 | 47 | 42 | ESE | 4 | bc | 3 |
| Stornoway ... | 30.10 | 40 | 39 | S | 4 | c | 4 | Jersey ... | 30.23 | 40 | 35 | ESE | 3 | bm | 3 |
| Aberdeen ... | 30.18 | 30 | 28 | W | 1 | bm | 2 | Hurst Castle ... | 30.24 | 36 | 34 | NE | 2 | m | 1 |
| Shields ... | 30.23 | 33 | 33 | SW | 1 | m | 2 | Dungeness ... | 30.20 | 35 | 34 | N | 3 | f | 2 |
| Ardrossan ... | 30.23 | 33 | 33 | ESE | 1 | cm | 1 | North Foreland ... | 30.19 | 37 | 36 | NE | 2 | c | 3 |
| Malin Head ... | 30.17 | 34 | 34 | S | 5 | b | 2 | London ... | 30.26 | 31 | 30 | Z | 0 | bc | * |
| Mullaghmore ... | 30.20 | 40 | 37 | ESE | 2 | b | 2 | Yarmouth ... | 30.21 | 38 | 37 | HW | 2 | bc | 2 |
| Balmullet ... | 30.17 | 42 | 38 | SE | 2 | b | # | Rochefort ... | 30.06 | 32 | 32 | ESE | 4 | b | # |
| Holyhead ... | 30.25 | 37 | 37 | Z | 0 | bm | 0 | | | | | | | | |

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

Weather. fair or dry over the greater part of Western and Southern Europe, but foggy or misty at several of our stations. Dull over Russia, Sweden, Germany, Austria and Northern Italy, with snow at Reiknigfots, St. Petersburg and Munich. No important change occurring during day, but a little rain falling at the North Foreland and also at the Helig.

Temperature. risen over Sweden, Russia, the Baltic, and the Netherlands, but fallen in most other localities. Morning readings, highest, 60° at Malta, 55° at Cagliari and 51° at Palermo and La Belle. Lowest, (1), -12° at Archangel, -10° at Moscow, -4° at Ulesborg, -1° at Lapland; (2), +6° at Budapest and 8° at Vienna; (3), 10° at Loughborough, 14° at Oxford, and 17° at Cambridge and in London; hard frost prevailing in nearly all parts of the United Kingdom as well as over northern, eastern, and central Europe generally. Daily maxima below the freezing point at many of the English and French stations, but thermometer ascending 45° on our extreme southwest coasts as well as in the extreme south of France.

Wind. light or moderate from the North-East over the Channel and France, from the South-East in Ireland, and from the South-West or West in Scotland, but variable over the more central parts of the United Kingdom. Southwesterly on the southern ^{shore} of the Baltic, but calm or variable in nearly all other parts of northern, eastern and Central Europe; chiefly Northerly in Spain, Italy and Algeria. No important change occurring during day.

Baromet. highest 30.3 inches and upwards in an anticyclone lying over Central Russia; 30.2 inches and upwards in two other areas lying respectively over northern Austria, and over all but the extreme eastern and northern parts of the United Kingdom. Lowest 29.8 inches and less in a large shallow area lying over the more central parts of the Mediterranean. 29.9 inches and less in another shallow system over the northwest of Norway. Scarcely any change occurring during day.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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

" Weekly " " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on Thursday, 29th December, 1892.

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

| STATIONS. | YESTERDAY EVENING. (See note at bottom of last page.) | | | | | | THIS MORNING. (See note at bottom of last page.) | | | | | | | | | | PAST 24 HOURS. | | | |
|---------------------|--|--------------|--------|---------------------|----------|----|---|--|--------------|--------------|--------------------------------------|--------|---------------------|----------|------------------|------|----------------|------|------------------------|--|
| | BAROM. | TEMP. | WIND. | | Weather. | | BAROMETER. | | SHADE TEMP. | | | WIND. | | Weather. | Sea (0 to 9). | | SHADE TEMP. | | Amount of Rainfall. | |
| | Reading at 32° F. and Sea Level. | Dry Bulb. | Dirac. | Force (0 to 12). | | | Reading at 32° F. and Sea Level. | Change since Yester- day Morn. | Dry Bulb. | Wet Bulb. | Change in dry since Yesterday. | Dirac. | Force (0 to 12). | | | | Max. | Min. | | |
| | Inch. | ° | | | | | Inch. | | ° | ° | ° | | | | | | | ° | Inch. | |
| SCANDINAVIA. | Haparanda ... | 29.77 | 15 | NE | 2 | 0 | 29.93 | +17 | 13 | 13 | +4 | E | 2 | 0 | # | 0 | 16 | 5 | 0.04 | |
| | Hernösand ... | 29.72 | 28 | Z | 0 | bc | 29.87 | +09 | 30 | 29 | +1 | Z | 0 | 0 | # | bc | 32 | 7 | 0.04 | |
| | Stockholm ... | 29.81 | 26 | Z | 0 | c | 29.80 | -14 | 19 | 18 | -6 | W | 2 | bc | # | c | 30 | 16 | | |
| | Wisby ... | 29.88 | 32 | NW | 4 | bc | 29.81 | -21 | 31 | 30 | -2 | N | 4 | bc | # | bc | 34 | 23 | | |
| | Bodö ... | | | | | | | | | | | | | | | | | | | |
| | Christiansund ... | 29.88 | 39 | NSW | 2 | c | 29.90 | +09 | 37 | 36 | 0 | ESE | 1 | b | 4 | c | 39 | 36 | 0.32 | |
| | Skudesnaes ... | 29.97 | 41 | Z | 0 | 0 | 29.88 | -18 | 37 | 37 | +1 | ESE | 2 | f | 2 | f.0 | 43 | 34 | | |
| | Christiania Fjord (Færdar) | 29.86 | 33 | NW | 2 | 0 | 29.89 | ? | 31 | 30 | +1 | NNE | 3 | c | 2 | 0 | 36 | 28 | | |
| | Skagen (The Seaw) | 29.89 | 40 | NW | 3 | f | 29.86 | -16 | 35 | 34 | +4 | E | 1 | b | 0 | f | 40 | 31 | 0.04 | |
| | Fanö ... | 30.04 | 37 | W | 3 | c | 29.92 | -27 | 37 | 36 | +1 | W | 2 | c | # | c | 37 | 28 | | |
| BRITISH ISLANDS. | Sumburgh Head | 29.91 | 41 | NSW | 1 | c | 29.78 | -22 | 43 | 42 | 0 | S | 1 | 0 | 2 | c.c | 44 | 39 | 0.02 | |
| | Stornoway ... | 29.85 | 43 | S | 6 | 0 | 29.66 | -33 | 42 | 40 | +1 | S | 8 | 0 | 6 | 0 | 45 | 40 | | |
| | Wick ... | 29.91 | 38 | SW | 3 | bc | 29.73 | -30 | 39 | 38 | +1 | S | 4 | bc | 2 | bc | 40 | 35 | | |
| | Nairn ... | 29.92 | 40 | NSW | 1 | c | 29.76 | -32 | 31 | 30 | -4 | Z | 0 | b | 0 | c | 41 | 25 | | |
| | Aberdeen ... | 29.99 | 35 | W | 1 | cm | 29.83 | -28 | 34 | 32 | +9 | SW | 2 | bc | 2 | cm | 36 | 25 | | |
| | Leith ... | 30.05 | 36 | NSW | 1 | 0 | 29.87 | -31 | 40 | 38 | +7 | SW | 1 | cm | # | 0 | 41 | 30 | | |
| | Shields ... | 30.12 | 33 | W | 1 | cm | 29.95 | -25 | 25 | 24 | -5 | SW | 2 | m | 2 | c.cm | 40 | 23 | | |
| | Spurn Head ... | 30.16 | 31 | SW | 2 | bc | 29.98 | -29 | 27 | 26 | -4 | NSW | 2 | bc | 2 | bc | 35 | 26 | | |
| | York ... | 30.17 | 29 | S | 2 | f | 30.00 | -26 | 16 | 16 | -4 | Z | 0 | f | # | f | 30 | 15 | | |
| | Loughborough | 30.23 | 25 | ESE | 1 | b | 30.06 | -28 | 20 | 20 | +4 | Z | 0 | of | # | bc | 32 | 13 | | |
| GERMANY & HOLLAND. | Ardrossan ... | 30.06 | 42 | S | 4 | c | 29.85 | -35 | 42 | 42 | +3 | S | 3 | cm | 3 | c.c | 43 | 38 | | |
| | Malin Head ... | 29.95 | 38 | S | 5 | b | 29.72 | -36 | 40 | 37 | +5 | S | 5 | cm | 3 | 0.b | 40 | 35 | | |
| | Mullaghmore ... | 29.97 | 42 | SW | 5 | b | 29.68 | -47 | 45 | 40 | +6 | S | 7 | bc | 4 | bc.b | ? | 38 | | |
| | Belmullet ... | 29.92 | 47 | SSE | 7 | bc | 29.61 | -46 | 46 | 43 | +1 | SSE | 5 | 0 | # | c.bc | 47 | 42 | | |
| | Donaghadee ... | 30.09 | 33 | S | 1 | b | 29.86 | -36 | 38 | 38 | +10 | SSW | 3 | c | 1 | b | 39 | 28 | | |
| | Liverpool (Bilston) | 30.19 | 29 | SE | 1 | b | 29.97 | -35 | 29 | 28 | +7 | SE | 3 | b | 1 | b | 35 | 22 | | |
| | Holyhead ... | 30.14 | 40 | S | 4 | c | 29.92 | -34 | 42 | 40 | +6 | S | 4 | og | 4 | bc.c | 42 | 36 | 0.01 | |
| | Parsonstown ... | 30.08 | 35 | Z | 0 | bc | 29.79 | -41 | 41 | 38 | +9 | SE | 1 | 0 | # | bc | 41 | 31 | | |
| | Valencia ... | 30.04 | 47 | SSE | 4 | c | 29.61 | -58 | 49 | 45 | +3 | SSE | 5 | og | 5 | c.g | 49 | 44 | | |
| | Roche's Point | 30.13 | 46 | SW | 3 | bc | 29.83 | -41 | 47 | 44 | +2 | SSW | 5 | 0 | 4 | bc | 48 | 44 | | |
| FRANCE AND BELGIUM. | Pembroke (St. Ann's Hd.) | 30.16 | 43 | SSE | 3 | c | 29.93 | -37 | 43 | 41 | +9 | S | 4 | og | 4 | c | 45 | 33 | | |
| | Scilly ... | 30.15 | 47 | SSE | 3 | 0 | 29.92 | -33 | 43 | 38 | 0 | S | 4 | bc | 4 | 0 | 48 | 38 | | |
| | Prawle Point ... | 30.21 | 39 | NE | 2 | 0 | 29.99 | -31 | 38 | 36 | +3 | SE | 3 | bc | 2 | 0 | 43 | 35 | | |
| | Jersey (St. Aubin's) | 30.22 | 37 | E | 2 | bc | 30.04 | -27 | 33 | 30 | -1 | SE | 3 | bc | 3 | bc | 41 | 32 | | |
| | Hurst Castle ... | 30.25 | 34 | ESE | 1 | m | 30.04 | -28 | 32 | 32 | +4 | ESE | 2 | m | 1 | f.m | 35 | 26 | | |
| | Dungeness ... | 30.25 | 39 | ESE | 1 | bc | 30.06 | -24 | 34 | 33 | 0 | S | 2 | m | 2 | c.bc | 42 | 24 | | |
| | North Foreland | 30.26 | 33 | NW | 1 | c | 30.04 | -27 | 35 | 33 | 0 | S | 1 | bc | 1 | f.bc | 35 | 31 | | |
| | London ... | 30.27 | 29 | Z | 0 | f | 30.06 | -28 | 28 | 26 | +2 | NSW | 1 | bf | # | ogf | 30 | 23 | | |
| | Oxford ... | 30.24 | 23 | Z | 0 | f | 30.07 | -28 | 21 | 21 | -3 | Z | 0 | of | # | of | 26 | 19 | | |
| | Cambridge ... | 30.27 | 25 | Z | 0 | c | 30.05 | -29 | 24 | 24 | -3 | SW | 1 | c | # | c | 28 | 18 | | |
| PENINSULA. | Yarmouth ... | 30.22 | 26 | NW | 2 | bc | 30.05 | -23 | 28 | 27 | -1 | NW | 1 | bcf | 3 | bcf | 30 | 24 | | |
| | Cuxhaven ... | 30.21 | 35 | SW | 1 | f | 30.02 | -24 | 34 | 33 | +1 | NSW | 3 | f | # | f | 36 | 32 | | |
| | Berlin ... | 30.21 | 33 | W | 2 | 0 | 30.02 | -25 | 33 | 32 | +2 | W | 3 | 0 | # | 0 | 34 | 31 | | |
| | Wiesbaden ... | | | | | | 30.12 | -32 | 15 | 14 | -1 | Z | 0 | 0 | # | # | 24 | 14 | | |
| | Munich ... | 30.19 | 14 | SE | 1 | b | 30.05 | -17 | 6 | 6 | 0 | N | 2 | 0 | # | b | 21 | 6 | | |
| | The Helder ... | 30.24 | 37 | SW | 1 | c | 30.11 | -21 | 39 | 36 | +4 | W | 2 | c | 2 | c | 39 | 34 | | |
| | Brussels (9 a.m.) | | | | | | 30.11 | | 16 | 16 | | SSE | 1 | bc | # | b | 31 | 14 | | |
| | Cape Gris Nez | 30.22 | 31 | E | 1 | bc | 30.05 | ? | 28 | 27 | -1 | SSE | 2 | b | # | bc | 39 | 27 | | |
| | Paris ... | 30.23 | 27 | NNE | 2 | b | 30.10 | -16 | 14 | 14 | -10 | NNE | 2 | b | # | b | 34 | 14 | | |
| | Brest ... | ? | 36 | ESE | 2 | b | ? | ? | 35 | 34 | +1 | E | 2 | b | # | b | 45 | 34 | | |
| FRANCE AND BELGIUM. | Lorient ... | 30.16 | 38 | NE | 4 | b | 29.97 | -26 | 30 | 29 | -3 | ESE | 4 | 0 | 4 | b | 37 | 28 | | |
| | Rochefort ... | 30.10 | 30 | ESE | 5 | b | 29.97 | -11 | 24 | 23 | -4 | ESE | 3 | b | # | b | 34 | 21 | | |
| | Belfort ... | ? | 13 | E | 3 | bc | ? | ? | 15 | ? | +2 | E | 2 | bc | # | bc | 25 | 13 | | |
| | Lyons ... | 30.23 | 24 | NW | 1 | b | 30.12 | | 19 | 18 | | NW | 1 | b | # | b | ? | 18 | | |
| | Nice ... | 30.02 | 43 | SW | 1 | b | 29.97 | +02 | 38 | 32 | -6 | E | 2 | b | 2 | b | 52 | 36 | | |
| | Perpignan ... | 30.10 | 39 | ESE | 2 | 0 | 29.99 | -07 | 36 | 35 | +7 | SW | 2 | c | # | 0 | 43 | 29 | | |
| | Biarritz ... | 30.06 | 30 | E | 3 | b | 29.95 | -06 | 31 | 30 | +3 | ESE | 3 | c | 3 | b | 37 | 28 | | |
| | Corunna ... | | | | | | | | | | | | | | | | | | | |
| | Lisbon ... | 29.94 | 46 | N | 4 | b | 29.93 | -01 | 40 | 36 | -3 | NNE | 3 | 0 | # | b | 52 | 37 | | |
| | | | | | | | | | | | | | | | | | | | | |

For Explanation of Columns, see bottom of last page.

† Received too late for insertion in Charts on next page.

WEATHER CHARTS

for 8 a.m. on Thursday, 29th Dec: 1892.

BAROMETER, WIND AND SEA.

EXPLANATION OF MAP

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

Changes since previous morning are stated in words.

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

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

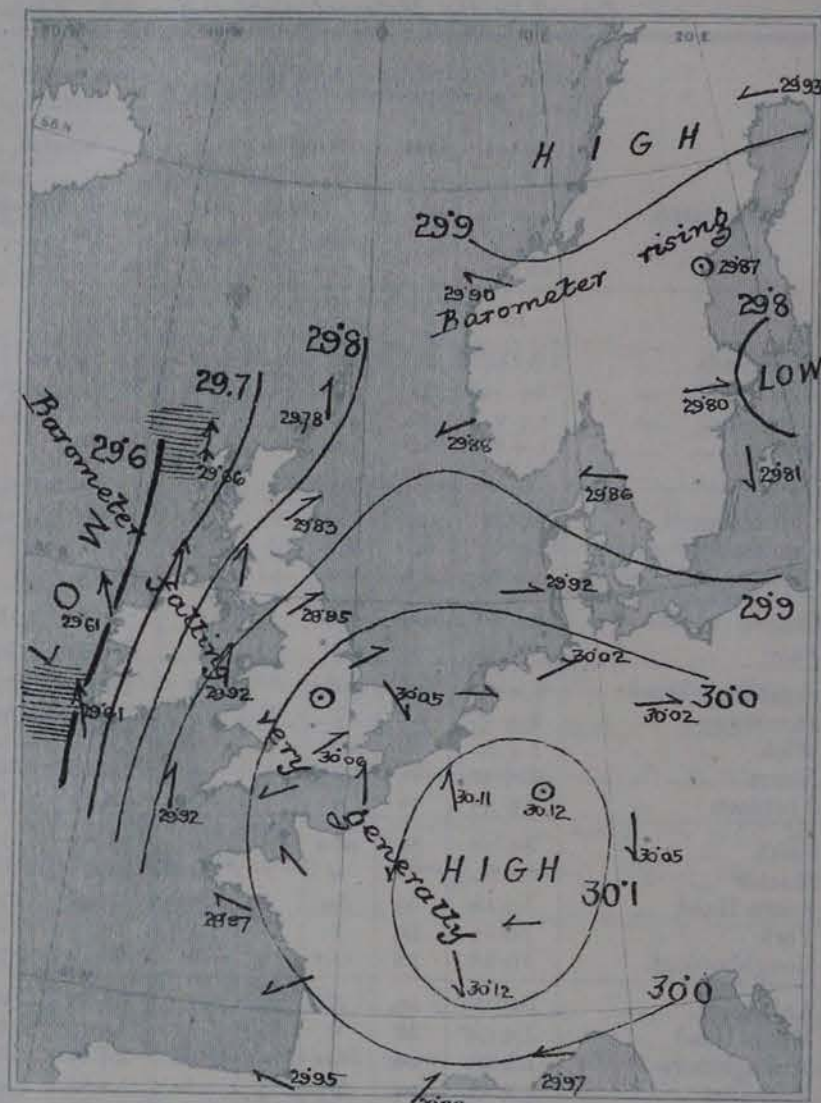
SEA DISTURBANCE—Where considerable, is shown thus—

— = Rough. — = High.

MEAN HEIGHT OF THE BAROMETER

at 800 a.m. for the month of December
during the 20 Years: 1871—1890.

| STATIONS. | MEAN READINGS |
|---------------|---------------|
| Sumburgh Head | 29.679 |
| Stormoway | 29.715 |
| Wick | 29.718 |
| Nairn | 29.713 |
| Aberdeen | 29.707 |
| Leith | 29.807 |
| Shields | 29.843 |
| Spurn Head | 29.878 |
| York | 29.899 |
| Loughborough | 29.924 |
| Ardrossan | 29.829 |
| Mullaghmore | 29.821 |
| Douglashead | 29.818 |
| Holyhead | 29.879 |
| Liverpool | 29.895 |
| Parsonstown | 29.901 |
| Valentia | 29.905 |
| Roche's Point | 29.912 |
| Pembroke | 29.916 |
| Silly | 29.951 |
| Pravle Point | 29.979 |
| Jersey | 29.985 |
| Hurst Castle | 29.958 |
| Dover | 29.953 |
| LONDON | 29.951 |
| Oxford | 29.943 |
| Cambridge | 29.941 |
| Yarmouth | 29.916 |



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

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

WEATHER—is shown by Letters of the Beaufort Scale.

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

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of December.)

| STATIONS. | TEMPERATURE. | | | | RAINFALL Inches. |
|---------------|---------------|---------------|-----------|-------|---------------------|
| | Daily Max. | Daily Min. | at 8 a.m. | Wind. | |
| Sumburgh Head | 42.6 | 33.2 | 39.6 | 38.1 | 1.25 |
| Stormoway | 43.1 | 34.2 | 39.1 | 38.5 | 0.65 |
| Wick | 42.2 | 32.7 | 38.1 | 36.8 | 3.10 |
| Nairn | 41.9 | 32.8 | 37.1 | 35.6 | 1.95 |
| Aberdeen | 41.0 | 32.9 | 36.9 | 35.2 | 0.21 |
| Leith | 41.0 | 33.7 | 38.5 | 37.9 | 1.80 |
| Shields | 42.9 | 33.9 | 38.3 | 36.9 | 2.75 |
| Spurn Head | 42.4 | 35.3 | 38.8 | 37.7 | 2.14 |
| York | 42.3 | 32.3 | 36.1 | 35.4 | 2.28 |
| Loughborough | 42.7 | 32.2 | 36.3 | 35.1 | 2.24 |
| Ardrossan | 41.5 | 35.9 | 40.0 | 38.7 | 3.73 |
| Mullaghmore | 40.5 | 37.8 | 42.2 | 39.8 | 1.51 |
| Douglashead | 45.8 | 36.2 | 40.2 | 39.3 | 2.81 |
| Holyhead | 46.4 | 39.1 | 42.8 | 41.1 | 3.82 |
| Liverpool | 43.5 | 35.6 | 38.8 | 37.1 | 2.59 |
| Parsonstown | 44.7 | 33.1 | 37.8 | 36.0 | 3.01 |
| Valentia | 40.7 | 30.0 | 44.6 | 42.4 | 5.99 |
| Roche's Point | 47.9 | 38.9 | 42.9 | 41.5 | 1.35 |
| Pembroke | 40.8 | 40.9 | 43.6 | 42.2 | 3.91 |
| Silly | 40.5 | 43.1 | 47.0 | 45.1 | 1.02 |
| Pravle Point | 47.0 | 38.2 | 42.5 | 41.1 | 3.79 |
| Jersey | 47.3 | 39.3 | 43.1 | 41.4 | 3.82 |
| Hurst Castle | 43.6 | 36.3 | 40.6 | 39.8 | 2.76 |
| Dover | 41.3 | 33.9 | 37.6 | 36.6 | 3.00 |
| LONDON | 44.0 | 33.9 | 37.6 | 36.7 | 2.19 |
| Oxford | 42.9 | 33.5 | 37.0 | 35.9 | 2.10 |
| Cambridge | 42.8 | 31.6 | 36.2 | 35.3 | 1.88 |
| Yarmouth | 41.9 | 35.7 | 37.0 | 37.0 | 2.60 |

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



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.1 inches and more to 29.9 inches over Germany, France, England and the North Sea.
 Lowest below 29.6 inches off the west of Ireland and below 29.7 inches off the west of Scotland.
 Gradients were somewhat steep over Ireland, moderate over Scotland, slight over the more eastern and southern countries.
 Barometer was falling generally — most in the west.

TEMPERATURE

Highest 46° to 49° in the west and south of Ireland, 43° at Lumburgh Head, and 42° at Holyhead.
 Lowest 13° at Hafslunda, 15° at Stockholm, (2) 6° at Munich, 14° at Paris, 15° at Delfort and Wiesbaden, (3) 16° at York, 21° at Oxford, 24° at Cambridge.

WIND

The sea has been considerable on all our western coasts, and appears to be spreading eastwards.
 Southerly on all our western and some northern coasts, — moderate in most places but blowing hard in the Ulster and over Donegal Bay.
 Very light and variable over our midland, eastern and south-eastern counties, but with a tendency to become strong in some places.
 Very light and anticyclonic over France and Germany.

WEATHER

Fine over France, very foggy over the greater part of England, dull and gloomy in Ireland and Scotland, fair over Scandinavia.
 Some snow had fallen in countries lying to the eastward of the North Sea.

SEA

Rough in the Ulster, moderate on our southern coasts, slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The southerly current of wind at our western stations appears to be spreading slowly to the eastward, but does not seem likely to last for long.

FORECASTS

For the 24 hours ending at NOON on 30th December 1892.

| DISTRICTS. | | FORECASTS. | DISTRICTS. | | FORECASTS. |
|---|------------------|---|------------|---------------|---|
| TT 0 | SCOTLAND NORTH | S ^{ly} winds, strong to a gale; milder, some rain and sleet. | TT 6 | SCOTLAND WEST | S ^{ly} winds, strong to a gale; showery, milder. |
| TT 1 | SCOTLAND EAST | | TT 7 | ENGLAND N.W. | |
| 2 | ENGLAND N.E. | | TT 8 | ENGLAND S.W. | |
| 3 | ENGLAND EAST | S ^{ly} breezes, freshening, with milder and brighter weather; perhaps rainy later. | TT 9 | IRELAND NORTH | S ^{ly} gales and strong winds; squally, rain at times. |
| 4 | MIDLAND COUNTIES | | TT 10 | IRELAND SOUTH | |
| 5 | ENGLAND SOUTH | | WARNINGS | | |
| The SOUTH CONE was hoisted yesterday in districts 6, 9 and 10 and has now been hoisted in districts 1, 7, 8 and 10. | | | | | |

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

YESTERDAY'S 2 P.M. REPORTS.

| | BAR. | THER. | | WIND. | F. | WEA. | SEA. | | BAR. | THER. | | WIND. | F. | WEA. | SEA. |
|-------------------|-------|-------|------|--------|----|------|------|--------------------|-------|-------|------|--------|----|------|------|
| | | Dry. | Wet. | Dirac. | | | | | | Dry. | Wet. | Dirac. | | | |
| Skudesnaes ... | 29.99 | 42 | 41 | WNW | 4 | of | 2 | Valencia ... | 30.11 | 49 | 45 | S | 4 | c.g. | 4 |
| Sumburgh Head ... | 29.95 | 43 | 41 | WSW | 1 | o | 3 | Scilly ... | 30.21 | 47 | 44 | E | 3 | o | 4 |
| Stornoway ... | 29.90 | 43 | 42 | SW | 6 | o | 6 | Jersey ... | 30.26 | 41 | 35 | ENE | 3 | b | 3 |
| Aberdeen ... | 30.03 | 34 | 30 | SSW | 1 | cm | 2 | Hurst Castle ... | 30.27 | 34 | 33 | ENE | 1 | m | 1 |
| Shields ... | 30.16 | 39 | 38 | WSW | 3 | c | 2 | Dungeness ... | 30.26 | 42 | 38 | E | 1 | c | 1 |
| Ardrossan ... | 30.14 | 43 | 42 | S | 4 | o | 3 | North Foreland ... | 30.29 | 33 | 33 | NW | 2 | f | 2 |
| Malin Head ... | 30.02 | 38 | 37 | S | 5 | o | 2 | London ... | 30.30 | 30 | 30 | 2 | 0 | fg | * |
| Mullaghmore ... | 30.04 | 42 | 39 | SE | 5 | bc | 4 | Yarmouth ... | 30.25 | 30 | 29 | WNW | 2 | bc | 3 |
| Belmullet ... | 30.03 | 47 | 45 | SSW | 6 | c | * | Rochefort ... | 30.09 | 32 | 30 | ENE | 4 | b | * |
| Holyhead ... | 30.20 | 39 | 38 | S | 3 | bc | 2 | | | | | | | | |

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

Weather still very foggy over the greater part of England, fair & fine at most of the Irish and Scotch stations, but dull in the extreme north and northwest. Fine and bright in France and Spain, and South Germany, but dull in all other parts of the Continent with rain at Christiansund, Rome and Constantinople and snow at Odessa. Fair in Algeria, but rainy at La Calle and Tunis. Very little change occurring over Western Europe during day.

Temperature fallen quickly over Central Russia and slightly over Spain and South Germany, but risen in most other localities. Morning readings highest, 62° at Malta, 51° at Algiers and 50° at La Calle and Tunis; reaching 45° or more in the extreme west and south of Ireland. Lowest -20° at St. Petersburg, -7° at Archangel, +4° at Kharkov and 6° at St. Petersburg and Munich, below 20° in most parts of Russia, Austria and South Germany as well as in some parts of Central England. Hard frost continuing all day at many of the English stations, but milder weather setting in gradually over Ireland and Scotland. Daily maxima below 40° in most parts of France, but reaching 52° at Nice and also at Lisbon.

Wind calm over Central England; light or moderate from the south in Ireland, from the South West in Scotland and from the west over the North Sea, Denmark, North Germany, and Poland. Variable in Russia, Easterly or North Easterly over France, Spain, and Italy; chiefly Southerly in Algeria. Subsequently increasing to a strong breeze or moderate gale from the South on our extreme western and northwestern coasts.

Barometer highest, 30.4 inches and upwards over Central Russia; 30.3 inches and upwards in a long band extending westwards from Central and Southern Russia across Germany and the Netherlands to England and Wales. Lowest, 29.5 inches and less in a depression lying off the northwest of Norway, 29.7 inches and less in a shallow system lying near Malta. Decided fall of barometer taking place over our islands later and large depression beginning to approach our extreme western coasts.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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

„ Weekly „ „ „ £1 10 0 „

DAILY WEATHER REPORT

for 8 a.m. on Friday, 30th December,

1892.

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

Published by the Meteorological Office, 25, Victoria Street, London. R. H. SCOTT, Secretary.

| STATIONS. | YESTERDAY EVENING. (See note at bottom of last page.) | | | | | | THIS MORNING. (See note at bottom of last page.) | | | | | | | | | | PAST 24 HOURS. | | | |
|-------------------------------|--|--------------|-------|---------------------|----------|---|---|--------------|--------------|--------------------------------------|--------|---------------------|------|------------------|----------|-------------|----------------|------------------------|--|--|
| | BAROM. | | TEMP. | | WIND. | | BAROMETER. | | SHADE TEMP. | | | WIND. | | Sea (0 to 9). | Weather. | SHADE TEMP. | | Amount of Rainfall. | | |
| | Reading at 32° F. and Sea Level. | Dry Bulb. | Dirc. | Force (0 to 12). | Weather. | Reading at 32° F. and Sea Level. | Change since Yester- day Morn. | Dry Bulb. | Wet Bulb. | Change in dry since Yesterday. | Direc. | Force (0 to 12). | Max. | | | Min. | | | | |
| | | | | | | | | | | | | | | | | | | | | |
| SCANDINAVIA. | | | | | | | | | | | | | | | | | | | | |
| Haparanda ... | 30.18 | 3 | N | 2 | b | 30.97 | +0.44 | -12 | -12 | -25 | N | 2 | 6 | 6 | 16 | ? | - | | | |
| Hernösand ... | 30.12 | 22 | NE | 2 | o | 30.26 | +0.39 | 12 | 11 | -18 | NE | 4 | 6 | 6 | 32 | ? | - | | | |
| Stockholm ... | 29.88 | 28 | N | 4 | o | 29.97 | +0.17 | 22 | 20 | +3 | N | 4 | 6 | 6 | 30 | 18 | - | | | |
| Wisby ... | 29.82 | 34 | NE | 4 | r | 29.86 | +0.05 | 28 | 26 | -3 | ? | 6 | 6 | 6 | 36 | 28 | 0.04 | | | |
| Bodö ... | | | | | | | | | | | | | | | | | | | | |
| Christiansund ... | 29.88 | 34 | SE | 5 | b | 29.97 | +0.07 | 31 | 29 | -6 | ESE | 2 | 6 | 6 | 37 | 30 | - | | | |
| Skudesnaes ... | 29.91 | 37 | ESE | 2 | b | 29.96 | +0.08 | 32 | 32 | -5 | ESE | 1 | 6 | 6 | 37 | 30 | - | | | |
| Christiania Fjord (Færder) | 29.95 | 32 | N | 4 | b | 30.03 | +0.14 | 31 | 29 | 0 | ESE | 3 | 6 | 6 | 32 | 28 | - | | | |
| Skagen (The Scaw) | 29.95 | 32 | E | 3 | o | 29.99 | +0.13 | 31 | 29 | -4 | E | 3 | 6 | 6 | ? | 35 | - | | | |
| Fanø ... | 29.88 | 34 | ESE | 2 | f | 29.90 | -0.02 | 31 | 31 | -6 | ESE | 3 | 6 | 6 | 39 | 28 | - | | | |
| Sumburgh Head | 29.70 | 44 | S | 1 | o | 29.73 | -0.05 | 42 | 40 | -1 | S | 3 | 6 | 6 | 45 | 35 | - | | | |
| Stornoway ... | 29.60 | 44 | SW | 7 | o | 29.61 | -0.05 | 44 | 42 | +2 | SW | 6 | 6 | 6 | 44 | 40 | 0.02 | | | |
| Wick ... | 29.68 | 37 | SW | 4 | b | 29.68 | -0.05 | 40 | 39 | +1 | S | 4 | 6 | 6 | 40 | 35 | - | | | |
| Nairn ... | 29.68 | 37 | SSW | 1 | b | 29.68 | -0.08 | 33 | 32 | +2 | W | 0 | 6 | 6 | 42 | 23 | - | | | |
| Aberdeen ... | 29.77 | 33 | S | 2 | b | 29.79 | -0.04 | 38 | 35 | +4 | S | 3 | 6 | 6 | 38 | 32 | - | | | |
| Leith ... | 29.80 | 37 | SW | 1 | c | 29.78 | -0.09 | 34 | 31 | -6 | SW | 1 | 6 | 6 | 42 | 31 | - | | | |
| Shields ... | 29.87 | 30 | SW | 2 | bm | 29.84 | -0.11 | 26 | 26 | +1 | SW | 2 | 6 | 6 | 36 | 25 | - | | | |
| Spurn Head ... | 29.91 | 31 | WSW | 2 | om | 29.86 | -0.12 | 29 | 29 | +2 | S | 2 | 6 | 6 | 34 | 26 | - | | | |
| York ... | 29.94 | 19 | SSE | 1 | f | 29.87 | -0.13 | 29 | 29 | +13 | SSE | 1 | 6 | 6 | 31 | 16 | - | | | |
| Loughborough | 29.95 | 30 | S | 1 | o | 29.89 | -0.17 | 17 | 17 | -3 | SE | 1 | 6 | 6 | 32 | 17 | - | | | |
| ISLANDS. | | | | | | | | | | | | | | | | | | | | |
| Ardrossan ... | 29.76 | 43 | S | 3 | om | 29.76 | -0.09 | 35 | 34 | -7 | NE | 1 | 6 | 6 | 44 | 33 | 0.01 | | | |
| Malin Head ... | 29.63 | 41 | S | 4 | bc | 29.61 | -0.11 | 40 | 39 | -0 | S | 4 | 6 | 6 | 43 | 38 | - | | | |
| Mullaghmore ... | 29.64 | 45 | SSE | 5 | cg | 29.61 | -0.07 | 41 | 39 | -4 | S | 2 | 6 | 6 | 46 | 40 | 0.01 | | | |
| Belmullet ... | 29.58 | 44 | SW | 3 | o | 29.58 | -0.03 | 39 | 38 | -7 | E | 3 | 6 | 6 | 46 | 39 | 0.20 | | | |
| Donaghadee ... | 29.78 | 39 | SW | 3 | c | 29.74 | -0.12 | 42 | 42 | +4 | SSW | 4 | 6 | 6 | 42 | 38 | - | | | |
| BRITISH ISLANDS. | | | | | | | | | | | | | | | | | | | | |
| Liverpool (Bidston) | 29.91 | 32 | SSE | 2 | bc | 29.80 | -0.17 | 27 | 26 | -2 | SE | 4 | 6 | 6 | 36 | 25 | - | | | |
| Holyhead ... | 29.84 | 39 | SSE | 4 | og | 29.75 | -0.17 | 38 | 36 | -4 | SE | 3 | 6 | 6 | 42 | 35 | - | | | |
| Parsonstown ... | 29.69 | 40 | SE | 1 | b | 29.64 | -0.15 | 41 | 39 | 0 | SE | 1 | 6 | 6 | 44 | 38 | - | | | |
| Valencia ... | 29.63 | 46 | SW | 3 | o | 29.55 | -0.06 | 46 | 45 | -3 | E | 3 | 6 | 6 | 49 | 36 | 0.21 | | | |
| Roche's Point | 29.70 | 48 | SSW | 5 | o | 29.62 | -0.21 | 47 | 47 | 0 | SSE | 5 | 6 | 6 | 49 | 45 | 0.05 | | | |
| Pembroke (St. Ann's Mt.) | 29.82 | 41 | SSE | 4 | bc | 29.72 | -0.21 | 38 | 37 | -5 | E | 4 | 6 | 6 | 44 | 36 | - | | | |
| Scilly ... | 29.79 | 46 | S | 4 | c | 29.66 | -0.26 | 50 | 47 | +7 | SSE | 5 | 6 | 6 | 50 | 37 | - | | | |
| Prawle Point ... | 29.88 | 38 | ESE | 2 | c | 29.79 | -0.20 | 40 | 38 | +2 | ESE | 2 | 6 | 6 | 40 | 37 | - | | | |
| Jersey (St. Aubin's) | 29.93 | 39 | SE | 3 | bm | 29.82 | -0.22 | 32 | 30 | -1 | ESE | 2 | 6 | 6 | 39 | 25 | - | | | |
| Hurst Castle ... | 29.93 | 35 | ESE | 3 | bm | 29.85 | -0.19 | 31 | 31 | -1 | E | 3 | 6 | 6 | 42 | 27 | - | | | |
| Dungeness ... | 29.94 | 32 | NE | 1 | m | 29.85 | -0.21 | 36 | 35 | +2 | ESE | 3 | 6 | 6 | 39 | 30 | - | | | |
| North Foreland | 29.94 | 34 | S | 1 | c | 29.85 | -0.19 | 38 | 34 | +3 | ESE | 2 | 6 | 6 | 38 | 30 | - | | | |
| London ... | 29.94 | 32 | SE | 2 | o | 29.88 | -0.18 | 24 | 23 | -4 | W | 0 | 6 | 6 | 37 | 21 | - | | | |
| Oxford ... | 29.94 | 29 | SSE | 1 | b | 29.88 | -0.19 | 20 | 20 | -1 | SE | 1 | 6 | 6 | 33 | 17 | - | | | |
| Cambridge ... | 29.97 | 27 | W | 0 | c | 29.88 | -0.17 | 18 | 18 | -6 | W | 0 | 6 | 6 | 32 | 17 | - | | | |
| Yarmouth ... | 29.94 | 33 | WNW | 2 | cf | 29.89 | -0.16 | 33 | 32 | +5 | WNW | 1 | 6 | 6 | 34 | 27 | - | | | |
| GERMANY & HOLLAND. | | | | | | | | | | | | | | | | | | | | |
| Cuxhaven ... | 29.90 | 35 | WSW | 2 | o | 29.90 | -0.12 | 34 | 33 | 0 | E | 3 | 6 | 6 | 35 | 32 | - | | | |
| Berlin ... | 29.87 | 33 | W | 3 | o | 29.78 | -0.24 | 33 | 33 | 0 | WNW | 4 | 6 | 6 | 34 | 32 | 0.12 | | | |
| Wiesbaden ... | | | | | | 29.86 | -0.26 | 26 | 25 | +11 | W | 0 | 6 | 6 | 27 | 15 | - | | | |
| Munich ... | 29.90 | 14 | SE | 1 | c | 29.77 | -0.23 | 13 | 13 | +7 | NE | 2 | 6 | 6 | 21 | 6 | - | | | |
| The Helder ... | 29.96 | 38 | W | 1 | bc | 29.89 | -0.22 | 38 | 37 | -1 | N | 1 | 6 | 6 | 39 | 37 | - | | | |
| FRANCE AND BELGIUM. | | | | | | | | | | | | | | | | | | | | |
| Brussels (9 a.m.) | | | | | | 29.89 | -0.22 | 20 | ? | +4 | ESE | 1 | 6 | 6 | 30 | 16 | - | | | |
| Cape Gris Nez | 29.95 | 30 | W | 0 | c | 29.86 | -0.19 | 30 | 30 | +2 | E | 2 | 6 | 6 | 32 | 25 | - | | | |
| Paris ... | 29.95 | 31 | WNW | 2 | c | 29.86 | -0.24 | 12 | 12 | -2 | WNW | 2 | 6 | 6 | ? | 10 | - | | | |
| Brest ... | | 40 | E | 2 | o | ? | ? | 40 | 39 | +5 | ESE | 3 | 6 | 6 | 43 | 32 | - | | | |
| Lorient ... | 29.88 | 35 | ESE | 4 | o | 29.78 | -0.19 | 36 | 34 | +6 | ESE | 4 | 6 | 6 | 39 | 28 | - | | | |
| Rochefort ... | 29.92 | 31 | E | 3 | b | ? | ? | 25 | 25 | +1 | E | 2 | 6 | 6 | 37 | 23 | - | | | |
| Belfort ... | | 22 | E | 2 | b | ? | ? | 19 | 18 | +4 | E | 2 | 6 | 6 | ? | 14 | - | | | |
| Lyons ... | | 26 | N | 2 | b | 29.84 | -0.28 | 19 | 19 | 0 | N | 1 | 6 | 6 | 31 | 18 | - | | | |
| Nice ... | 29.85 | 41 | E | 1 | b | 29.67 | -0.30 | 39 | 35 | +1 | E | 2 | 6 | 6 | 50 | 36 | - | | | |
| Perpignan ... | 29.86 | 40 | W | 0 | o | 29.68 | -0.31 | 39 | 35 | +3 | WNW | 2 | 6 | 6 | 44 | 36 | - | | | |
| Biarritz ... | 29.84 | 37 | E | 3 | b | 29.78 | -0.17 | 38 | 35 | +7 | W | 2 | 6 | 6 | 41 | 30 | - | | | |
| SPAIN. | | | | | | | | | | | | | | | | | | | | |
| Corunna ... | | | | | | | | | | | | | | | | | | | | |
| Lisbon ... | 29.89 | 43 | WNW | 2 | o | 29.78 | -0.15 | 39 | 38 | -1 | ESE | 3 | 6 | 6 | 46 | 37 | 0.20 | | | |

For Explanation of Columns, see bottom of last page.

† Received too late for insertion in Charts on next page.

WEATHER CHARTS

for 8 a.m. on Friday, 30th December, 1892.

BAROMETER, WIND AND SEA.

EXPLANATION OF MAP

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

Changes since previous morning are stated in words.

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

— forces above 10 — forces 8 to 10.

— forces 5 to 7 — forces 4 to 5.

— dead calm.

SEA DISTURBANCE—Where considerable, is shown thus:

— Rough. — High.

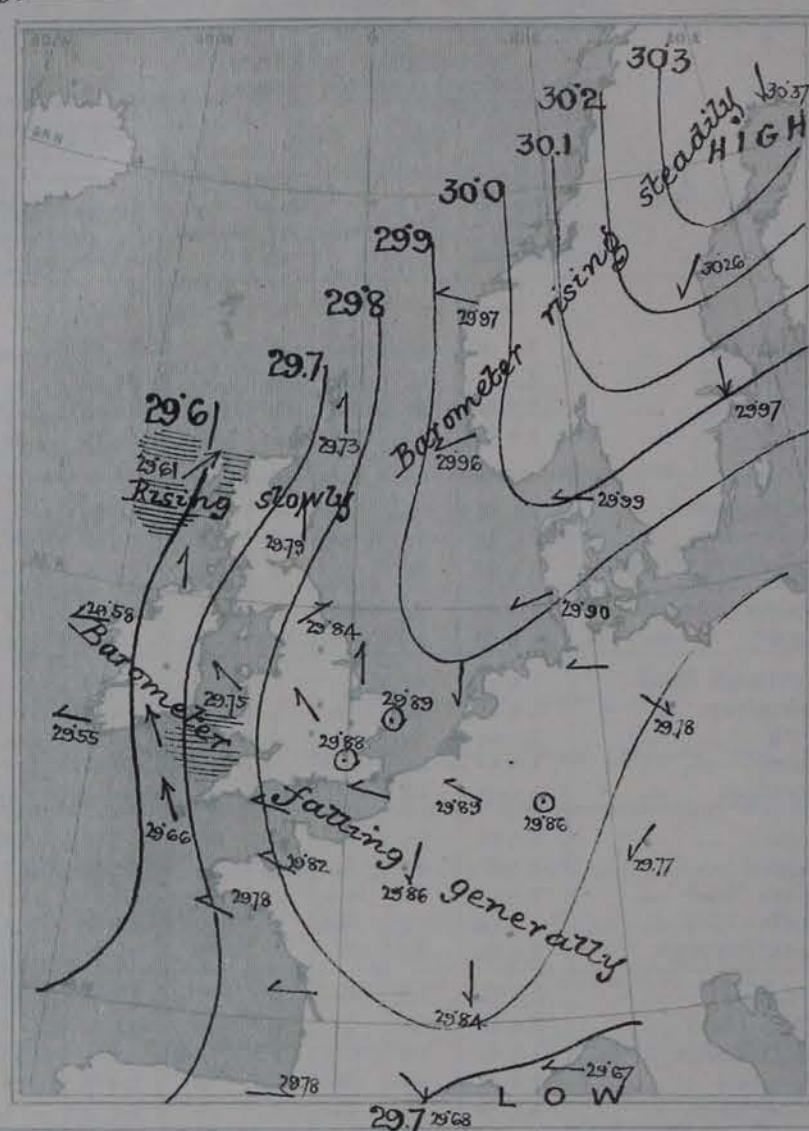
MEAN HEIGHT OF THE BAROMETER

at 8 a.m. for the month of December
during the 20 Years: 1871—1890.

STATIONS.

MEAN READINGS.

| | |
|---------------|-------|
| Sumburgh Head | 29.67 |
| Stormway | 29.70 |
| Wick | 29.71 |
| Nairn | 29.74 |
| Alford | 29.75 |
| Leith | 29.80 |
| Shields | 29.81 |
| Spurn Head | 29.87 |
| York | 29.89 |
| Loughborough | 29.92 |
| Androssau | 29.92 |
| Mullaghmore | 29.82 |
| Donaghadee | 29.81 |
| Holyhead | 29.87 |
| Liverpool | 29.88 |
| Parsonstown | 29.90 |
| Valencia | 29.90 |
| Roshe's Point | 29.91 |
| Pembroke | 29.91 |
| Sally | 29.91 |
| Peawle Point | 29.97 |
| Jersey | 29.98 |
| Hurst Castle | 29.98 |
| Dover | 29.98 |
| LONDON | 29.98 |
| Oxford | 29.98 |
| Cambridge | 29.98 |
| Yarmouth | 29.98 |



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

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

WEATHER—is shown by letters of the Beaufort Scale.

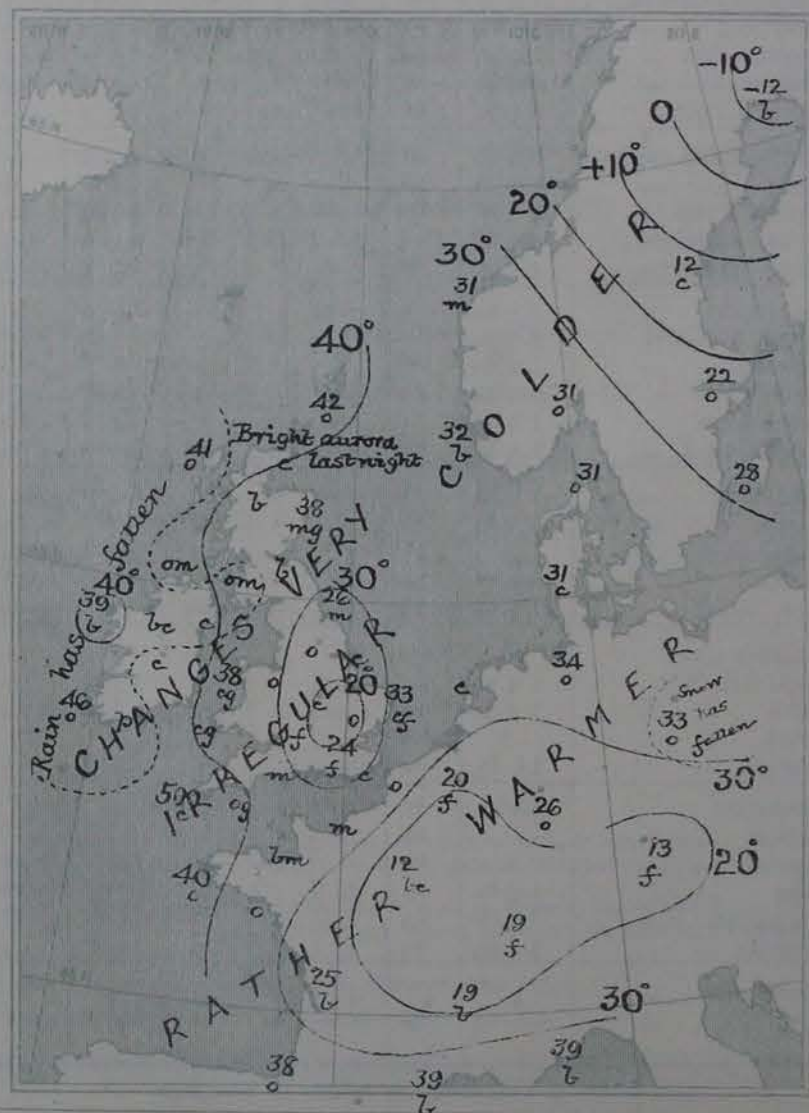
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of December.)

| STATIONS. | TEMPERATURE. | | | | RAINFALL (inches) |
|---------------|--------------|--------|-----------|-------|----------------------|
| | Day. | Night. | At 8 a.m. | Wind. | |
| Sumburgh Head | 42.8 | 40.2 | 50.0 | 58.1 | 4.25 |
| Stormway | 43.1 | 41.2 | 50.4 | 58.5 | 0.63 |
| Wick | 42.2 | 39.7 | 48.1 | 50.8 | 3.10 |
| Nairn | 41.0 | 38.8 | 47.1 | 55.6 | 1.94 |
| Alford | 41.0 | 38.6 | 46.9 | 55.2 | 3.24 |
| Leith | 41.0 | 38.7 | 46.8 | 57.0 | 1.36 |
| Shields | 42.0 | 38.0 | 45.2 | 56.9 | 2.57 |
| Spurn Head | 42.4 | 38.8 | 48.8 | 57.7 | 2.11 |
| York | 42.3 | 38.3 | 46.1 | 55.4 | 1.28 |
| Loughborough | 42.7 | 38.2 | 46.3 | 55.4 | 2.24 |
| Androssau | 41.4 | 35.9 | 49.0 | 58.7 | 3.73 |
| Mullaghmore | 40.5 | 37.8 | 42.2 | 59.8 | 4.51 |
| Donaghadee | 40.8 | 36.2 | 40.2 | 59.3 | 2.81 |
| Holyhead | 40.4 | 35.1 | 42.8 | 41.1 | 3.82 |
| Liverpool | 40.5 | 35.0 | 38.8 | 57.1 | 2.50 |
| Parsonstown | 41.7 | 39.1 | 37.8 | 56.6 | 2.01 |
| Valencia | 40.7 | 40.0 | 44.6 | 42.4 | 5.99 |
| Roshe's Point | 40.9 | 38.9 | 42.9 | 41.5 | 4.95 |
| Pembroke | 40.8 | 40.5 | 42.6 | 42.2 | 3.99 |
| Sally | 40.5 | 40.1 | 47.0 | 40.1 | 4.02 |
| Peawle Point | 47.0 | 38.2 | 43.5 | 41.1 | 3.76 |
| Jersey | 47.3 | 40.3 | 43.1 | 41.4 | 3.82 |
| Hurst Castle | 45.0 | 40.3 | 40.4 | 39.8 | 2.78 |
| Dover | 44.4 | 40.2 | 41.8 | 38.6 | 3.00 |
| LONDON | 44.0 | 39.9 | 37.5 | 38.7 | 2.10 |
| Oxford | 42.9 | 38.5 | 37.0 | 35.9 | 2.10 |
| Cambridge | 42.8 | 31.6 | 36.2 | 33.5 | 1.88 |
| Yarmouth | 41.0 | 37.7 | 37.0 | 37.0 | 2.60 |

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



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.3 in: and more to 30.0 in: over Scandinavia and exceeding 29.8 in: over the eastern half of England and the greater part of France.
Lowest, 29.6 in: and less off the southwest of Ireland; and below 29.8 in: over South Germany.

Gradients slight in the east and south, moderate in the west.

Barometer inclined to rise in the north, but falling in the southwest and south.

TEMPERATURE

Highest, 50° at Killybegs, 46° to 47° in the south of Ireland.

Lowest, -12° F. at Hafnarfjörður, +12° at Hamburg; 13° at Munich, 15° at Havre; 17° to 20° over our own midland Counties.

The maxima recorded yesterday exceeded 40° over our western and northern districts (49° in the south of Ireland), and ranged from 32° to 38° in the east and southeast. At York it did not rise above 22° all day, but at night it rose to 31°.

WIND

SE³ airs and Calms over the Netherlands and the midland and eastern parts of England; light E³ over the Bay of Biscay, fresh SE³ and S³ in Ireland, moderate S³ in Scotland.

The S³ gales experienced in the extreme northwest yesterday have completely subsided.

WEATHER

Fine over the south of France and in some parts of Scandinavia and Ireland, very foggy again over the southern parts of England, dull elsewhere, showery at Rockhampton.

Some rainfall was measured this morning at our extreme northwestern stations, and at Berlin. Brilliant Aurora was observed at Wall and Skudsmo last night.

SEA

Still rough in the Minch, moderate on our southeastern coast, slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The easterly winds in the Channel and the southeasterly on our southwestern coast appear likely to freshen and to clear away the fog now prevalent in London and at Oxford.

FORECASTS

For the 24 hours ending at NOON on 31st DEC^r 1892.

DISTRICTS.

FORECASTS.

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

S² winds, moderate, fair, cold.

SE³ airs and light winds; very cold, foggy to fair.

Same as N° 5

Same as N° 2

E² breezes, light to moderate; foggy to fair, very cold.

DISTRICTS.

FORECASTS.

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

Same as N° 0+1.

SE² winds, moderate, fair, cold.

SE² winds, freshening; fair.

Same as N° 7.

SE² winds, strong, some rain.

WARNINGS

The SOUTH CONE is still flying in district 10.

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

YESTERDAY'S 2 P.M. REPORTS.

| | BAR. | THER. | | WIND. | F. | WEA. | SEA. | | BAR. | THER. | | WIND. | F. | WEA. | SEA. |
|-------------------|-------|-------|------|--------|----|------|------|--------------------|-------|-------|------|--------|----|------|------|
| | | Dry. | Wet. | Dirac. | | | | | | Dry. | Wet. | Dirac. | | | |
| Skudesnaes ... | 29.88 | 35 | 35 | E | 2 | f | 2 | Valencia ... | 29.63 | 45 | 46 | SSE | 6 | r | 6 |
| Sumburgh Head ... | 29.71 | 44 | 42 | S | 1 | bc | 2 | Scilly ... | 29.81 | 45 | 41 | S | 4 | c | 4 |
| Stornoway ... | 29.58 | 44 | 42 | SW | 7 | o | 6 | Jersey ... | 29.96 | 35 | 32 | ESE | 3 | b | 3 |
| Aberdeen ... | 29.78 | 37 | 35 | S | 3 | bm | 2 | Hurst Castle ... | 29.96 | 40 | 37 | SE | 3 | b | 1 |
| Shields ... | 29.89 | 36 | 34 | SSW | 3 | m | 2 | Dungeness ... | 29.96 | 37 | 34 | SSW | 1 | b | 1 |
| Ardrossan ... | 29.78 | 43 | 42 | S | 3 | om | 3 | North Foreland ... | 29.95 | 37 | 35 | S | 1 | b | 1 |
| Malin Head ... | 29.61 | 42 | 39 | S | 6 | c | 3 | London ... | 29.99 | 37 | 34 | SE | 1 | bcm | 3* |
| Mullaghmore ... | 29.62 | 46 | 42 | SSE | 7 | c | 5 | Yarmouth ... | 29.97 | 34 | 33 | rrw | 1 | bef | 3 |
| Belmullet ... | 29.59 | 45 | 44 | SW | 4 | o | # | Rocheport ... | 29.94 | 36 | ? | ESE | 3 | b | # |
| Holyhead ... | 29.86 | 41 | 39 | SSE | 4 | og | 4 | | | | | | | | |

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

Weather still foggy over the greater part of England, dull in Ireland and Wales, but fine at most of the Scotch stations. Fine also over the south of Sweden and the greater part of France, but dull in all other parts of the Continent, with rain and fog at some of the German stations, and with snow over northern Russia, as well as at Kiev, Vienna, and Hermannstadt. Fog clearing later in some parts of England; rain falling in the west of Ireland and also in the Shetlands.

Temperature risen in the southwest, west, and north of our Islands, as well as over Poland and the northern parts of Sweden and Russia, fallen in most other localities. Morning readings highest 60° at Malta, 55° at Algiers and 51° at Brindisi. Valerms and Oran; above 45° in the west and south of Ireland. Lowest -15° Fahr at Kharkov, -12° at Moscow, -4° at Archangel, and +4° at Hermannstadt; below 10° at most of the Austrian stations, and below 20° over the north of England and central France. Slight rise taking place over England during day, but severe frost setting in again at night. Daily maxima over France mostly below 40° but thermometer reaching 50° at Nice.

Wind S in the west and north of our Islands, with a gale in the Hebrides and the northwest of Ireland, but light and variable in the central and southeastern parts of England, W over North Germany, but E or NE in Norway, variable over Sweden and S over Finland and the Baltic provinces. E in the west and south of France, NE in Spain and N or NW in Italy, but variable in Austria and S in Algeria. Light SE breeze setting in later over England; gale on our extreme northwest coasts subsiding quickly.

Barometer highest 30.3 ins. and upwards over the central and southern part of Russia; 30.0 ins. and upwards, in a large anticyclone area extending thence across central Europe to the southeastern parts of England. Lowest 29.6 ins. and less, in a depression lying off our extreme northwest coasts, 29.8 ins. and less, in two shallow systems lying over the Baltic and its immediate neighbourhood. Depression in northwest subsequently moving northwards and barometer rising slightly on our extreme western coasts.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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

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

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

„ Weekly „ „ „ £1 10 0 „

DAILY WEATHER REPORT

for 8 a.m. on Saturday, 31st December, 1892.

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

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

| STATIONS. | YESTERDAY EVENING. (See note at bottom of last page.) | | | | | | THIS MORNING. (See note at bottom of last page.) | | | | | | | | | | PAST 24 HOURS. | | | |
|---------------------|--|-------|---|--------------|---------------------|----------|---|---|--|--------------|--------------|--------------------------------------|------|---------------------|----------|------------------|----------------|---------------------|------------------------|------|
| | Barom. | Temp. | Wind. | | Force (0 to 12). | Weather. | Barometer. | | Shade Temp. | | | Wind. | | Force (0 to 12). | Weather. | Sea (0 to 9). | Shade Temp. | | Amount of Rainfall. | |
| | | | | | | | | | | | | | | | | | | | | |
| | | | Reading at 32° F. and Sea Level. | Dry Bulb. | | | Dir. | Reading at 32° F. and Sea Level. | Change since Yester- day Morn. | Dry Bulb. | Wet Bulb. | Change in dry since Yesterday. | Dir. | | | | Dir. | Force (0 to 12). | | Max. |
| Ina. | ° | | Ina. | ° | ° | ° | ° | | | | | | | | | Ina. | | | | |
| SCANDINAVIA. | Haparanda ... | 30.53 | 39 | N | 2 | b | 30.69 | +32 | -28 | -28 | -16 | 2 | 0 | b | # | b | 9 | ? | - | |
| | Hernösand ... | 30.41 | 7 | NE | 8 | 0 | 30.48 | +22 | 1 | 0 | -11 | NE | 4 | 0 | # | 0 | 23 | ? | - | |
| | Stockholm ... | 29.99 | 18 | NE | 6 | c | 30.08 | +11 | 8 | 7 | -14 | NE | 6 | 0 | # | c | 30 | ? | - | |
| | Wisby ... | 29.85 | 19 | NE | 8 | 3 | 29.80 | -06 | 22 | 21 | -6 | NE | 10 | 5 | # | 5 | 30 | 18 | 0.12 | |
| | Bodö ... | 30.16 | 16 | E | 6 | b | 30.29 | | 14 | 11 | | E | 6 | 6 | 2 | b | ? | ? | - | |
| | Christiansund... | 30.04 | 31 | NE | 8 | c | 30.14 | +17 | 28 | 27 | -3 | ESE | 4 | c | 3 | c | 32 | 28 | - | |
| | Skudesnaes ... | 30.07 | 33 | S | 6 | 0 | 30.16 | +20 | 28 | 26 | -4 | S | 4 | 0 | 3 | b, 0 | 36 | 27 | - | |
| | Christiania Fjord (Færd) | 30.17 | 22 | N | 6 | b, c | 30.24 | +21 | 19 | 16 | -12 | NNE | 7 | c | 2 | b, c | 32 | 18 | - | |
| | Skagen (The Scaw) | 30.13 | 23 | ENE | 4 | 0 | 30.15 | +16 | 20 | 18 | -11 | ENE | 5 | 0 | 3 | 0 | 31 | 19 | - | |
| | Fanö ... | 29.98 | 30 | ENE | 4 | 0 | 30.05 | +15 | 22 | 21 | -9 | NE | 4 | 6 | # | 0 | 32 | 21 | - | |
| BRITISH ISLANDS. | Sumburgh Head | 29.79 | 42 | S | 3 | 0 | 29.82 | +09 | 40 | 39 | -2 | SSE | 3 | 1 | 5 | 0 | 43 | 34 | 0.12 | |
| | Stornoway ... | 29.66 | 43 | SW | 6 | 0 | 29.77 | +16 | 40 | 39 | -4 | SW | 3 | 0 | 4 | 0 | 44 | 36 | - | |
| | Wick ... | 29.77 | 36 | S | 7 | c | 29.82 | +14 | 39 | 37 | -1 | S | 7 | 6 | 6 | c | 40 | 35 | - | |
| | Nairn ... | 29.72 | 30 | Z | 0 | c | 29.85 | +17 | 29 | 28 | -4 | SSW | 1 | 6 | 0 | c | 40 | 30 | - | |
| | Aberdeen ... | 29.83 | 36 | S | 4 | 0 | 29.94 | +15 | 36 | 33 | -2 | SSW | 1 | ogm | 3 | ogm | 39 | 35 | - | |
| | Leith ... | 29.79 | 29 | SW | 1 | m | 29.90 | +12 | 29 | 28 | -5 | ESE | 1 | om | # | m | 36 | 22 | - | |
| | Shields ... | 29.85 | 27 | S | 3 | b | 29.92 | +08 | 33 | 33 | +7 | SSW | 1 | f, s | 2 | m, 6m | 33 | 24 | - | |
| | Spurn Head ... | 29.86 | 35 | E | 1 | 0 | 29.88 | +02 | 36 | 35 | +7 | SE | 4 | ov | 4 | op | 38 | 28 | 0.01 | |
| | York ... | 29.88 | 26 | S | 1 | b, c | 29.90 | +03 | 33 | 32 | +4 | ESE | 1 | c | # | b, c | 33 | 26 | - | |
| | Loughborough | 29.87 | 26 | Z | 0 | 0 | 29.88 | -01 | 33 | 32 | +16 | SE | 2 | om | # | 0 | 34 | 17 | - | |
| GERMANY & HOLLAND. | Ardrossan ... | 29.76 | 35 | NE | 1 | 0 | 29.86 | +10 | 30 | 29 | -5 | NE | 3 | om | 1 | og | 37 | 26 | - | |
| | Malin Head ... | 29.63 | 39 | SSE | 5 | c | 29.72 | +11 | 35 | 34 | -5 | SE | 4 | om | 2 | om | 42 | 35 | - | |
| | Mullaghmore ... | 29.60 | 43 | E | 6 | 0 | 29.68 | +07 | 37 | 34 | -4 | E | 5 | 6 | 4 | og | 44 | 36 | 0.02 | |
| | Belmullet ... | 29.54 | 42 | ESE | 3 | b, c | 29.64 | +06 | 36 | 34 | -3 | E | 3 | 6 | # | 0, 6c | 44 | 35 | - | |
| | Donaghadee ... | 29.74 | 42 | SSE | 4 | m | 29.81 | +07 | 40 | 38 | -2 | SE | 6 | c | 4 | m | 42 | 39 | - | |
| | Liverpool (Bladon) | 29.80 | 25 | ESE | 3 | m | 29.84 | +04 | 34 | 34 | +7 | E | 3 | m | 3 | m | 34 | 25 | - | |
| | Holyhead ... | 29.73 | 38 | Z | 0 | b | 29.77 | +02 | 34 | 34 | -4 | ESE | 3 | 6 | 2 | c, 6m | 42 | 31 | - | |
| | Parsonstown ... | 29.64 | 43 | SE | 2 | c | 29.65 | +01 | 36 | 33 | -5 | SE | 2 | og | # | c | 44 | 34 | - | |
| | Valencia ... | 29.50 | 49 | SE | 4 | 0 | 29.67 | +08 | 43 | 39 | -3 | ENE | 5 | ou | 5 | og, om | 50 | 42 | - | |
| | Roche's Point | 29.56 | 48 | SSE | 4 | cp | 29.56 | -06 | 44 | 41 | -3 | SE | 7 | c | 5 | cp | 49 | 41 | 0.20 | |
| FRANCE AND BELGIUM. | Pembroke (St. Ann's Hd.) | 29.69 | 39 | ESE | 5 | b, c | 29.66 | -06 | 37 | 35 | -1 | E | 7 | ogm | 6 | 0, 6c | 40 | 36 | - | |
| | Scilly ... | 29.59 | 49 | SE | 5 | c, m | 29.50 | -16 | 43 | 39 | -7 | ESE | 6 | 6 | 5 | cr, cm | 50 | 39 | 0.10 | |
| | Prawle Point ... | 29.72 | 38 | E | 4 | c | 29.66 | -13 | 38 | 36 | -2 | E | 6 | 6 | 5 | c | 41 | 36 | - | |
| | Jersey (St. Aubin's) | 29.74 | 38 | ESE | 2 | b, m | 29.70 | -12 | 33 | 31 | +1 | ESE | 4 | 6m | 3 | 6m | 37 | 29 | - | |
| | Hurst Castle ... | 29.78 | 36 | E | 5 | c | 29.76 | -09 | 37 | 36 | +6 | E | 5 | c, g | 3 | cm | 38 | 31 | - | |
| | Dungeness ... | 29.82 | 37 | SE | 5 | c | 29.82 | -03 | 33 | 32 | -3 | ESE | 5 | c | 4 | b, c | 88 | 31 | - | |
| | North Foreland | 29.83 | 36 | SE | 2 | c | 29.83 | -02 | 34 | 32 | -4 | ESE | 5 | og | 4 | b, c | 38 | 32 | - | |
| | London ... | 29.82 | 37 | SE | 3 | c | 29.84 | -04 | 31 | 29 | +7 | E | 2 | 0 | # | f, a, b | 35 | 24 | - | |
| | Oxford ... | 29.84 | 29 | SE | 1 | 0 | 29.84 | -04 | 28 | 28 | +8 | E | 1 | 0 | # | f, c | 30 | 20 | - | |
| | Cambridge ... | 29.85 | 30 | Z | 0 | 0 | 29.88 | -00 | 32 | 32 | +14 | E | 1 | 0 | # | 0 | 32 | 17 | - | |
| PENINSULA. | Yarmouth ... | 29.84 | 36 | E, NE | 4 | c | 29.88 | -01 | 34 | 33 | +1 | E | 5 | ogh | 4 | c | 37 | 30 | - | |
| | Cuxhaven ... | 29.90 | 32 | E | 3 | 0 | 29.98 | +08 | 24 | ? | -10 | ENE | 5 | 6c | # | 0 | 34 | 23 | - | |
| | Berlin ... | 29.80 | 32 | Z | 0 | 0 | 29.83 | +05 | 23 | 22 | -10 | NW | 4 | 0 | # | 0 | 34 | 23 | 0.04 | |
| | Wiesbaden ... | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | - |
| | Munich ... | 29.71 | 17 | Z | 0 | 0 | 29.70 | -07 | 17 | 17 | +4 | NW | 2 | S | # | 0 | 19 | 12 | 0.04 | |
| | The Helder ... | 29.94 | 30 | E | 3 | f | 29.95 | +06 | 32 | 30 | -6 | E | 4 | c | 3 | f | 31 | 30 | - | |
| | Brussels (9 a.m.) | * | * | * | * | * | 29.86 | -03 | 24 | 24 | +4 | ENE | 1 | f | # | 0 | 31 | 20 | - | |
| | Cape Gris Nez | 29.81 | 29 | E | 1 | m | 29.81 | -05 | 29 | 29 | -1 | ENE | 3 | c | 3 | m | 36 | 27 | - | |
| | Paris ... | 29.79 | 18 | NE | 2 | b | 29.76 | -10 | 22 | 22 | +10 | NE | 2 | 6 | # | 6 | 32 | 12 | - | |
| | Brest ... | ? | 42 | SE | 3 | c | ? | ? | 41 | 41 | +1 | E | 4 | 6 | 4 | c | 45 | 32 | - | |
| FRANCE AND BELGIUM. | Lorient ... | 29.67 | 34 | ESE | 4 | b, c | 29.50 | -28 | 27 | 25 | -9 | E | 6 | 6 | 4 | b, c | 41 | 27 | - | |
| | Rochefort ... | 29.69 | 31 | ENE | 3 | b | 29.52 | ? | 24 | 23 | -1 | ENE | 5 | 6 | # | 6 | 37 | 21 | - | |
| | Belfort ... | ? | 17 | E | 3 | 3 | ? | ? | 20 | 19 | +1 | E | 3 | 0 | # | 3 | 28 | 14 | - | |
| | Lyons ... | 29.72 | 23 | N | 1 | b | 29.70 | -14 | 17 | 16 | -2 | E | 1 | f | # | 6 | 27 | 16 | - | |
| | Nice ... | 29.52 | 43 | E | 1 | 6 | 29.48 | -19 | 40 | 36 | +1 | E | 3 | c | 2 | 6 | 52 | 34 | - | |
| | Perpignan ... | 29.60 | 41 | NW | 2 | b | 29.51 | -17 | 32 | 30 | -7 | SW | 1 | 6 | # | 6 | 48 | 30 | - | |
| | Biarritz ... | 29.61 | 40 | E | 3 | b | 29.40 | -38 | 29 | 28 | -9 | ESE | 5 | 6c | 3 | 6 | 45 | 27 | - | |
| | Corunna ... | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | - |
| | Lisbon ... | 29.60 | 42 | ENE | 4 | 1 | 29.43 | -35 | 50 | 50 | +11 | W | 4 | c | # | ? | ? | 39 | - | |

For Explanation of Columns, see bottom of last page.

† Received too late for insertion in Charts on next page.

WEATHER CHARTS

for 8 a.m. on Saturday, 31st Dec. 1892.

BAROMETER, WIND AND SEA.

EXPLANATION OF MAP.

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

Changes since previous morning are stated in words.

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

their barbs and feathers refer to forces thus—

— forces above 10; — forces 8 to 10;

— forces 5 to 7; — forces 1 to 4.

☉ = dead calm.

SEA DISTURBANCE—Where considerable, is shown thus:

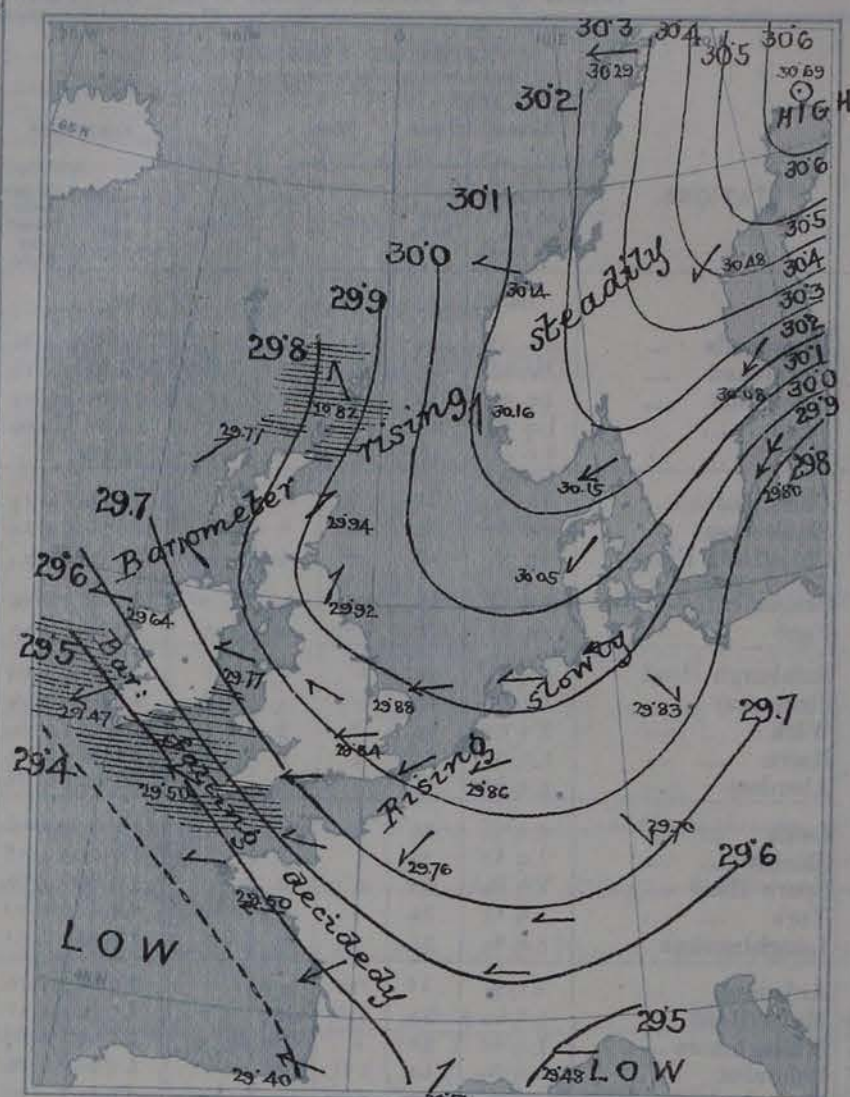
— = Rough. — = High.

MEAN HEIGHT OF THE BAROMETER

at 8.0 a.m. for the month of December

During the 20 Years: 1871—1890.

| STATIONS. | MEAN READINGS. |
|---------------|----------------|
| Sumburgh Head | 29.673 |
| Stornoway | 29.705 |
| Wick | 29.718 |
| Nairn | 29.713 |
| Aberdeen | 29.767 |
| Leith | 29.807 |
| Shields | 29.845 |
| Spurn Head | 29.873 |
| York | 29.890 |
| Loughborough | 29.924 |
| Ardrossan | 29.820 |
| Mullaghmore | 29.821 |
| Donaghadee | 29.848 |
| Holyhead | 29.879 |
| Liverpool | 29.895 |
| Parsonstown | 29.901 |
| Valencia | 29.905 |
| Roche's Point | 29.912 |
| Pembroke | 29.916 |
| Silly | 29.951 |
| Prawle Point | 29.970 |
| Jersey | 29.985 |
| Hurst Castle | 29.958 |
| Dover | 29.953 |
| LONDON | 29.951 |
| Oxford | 29.955 |
| Cambridge | 29.941 |
| Yarmouth | 29.916 |



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

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

WEATHER is shown by Letters of the Beaufort Scale.

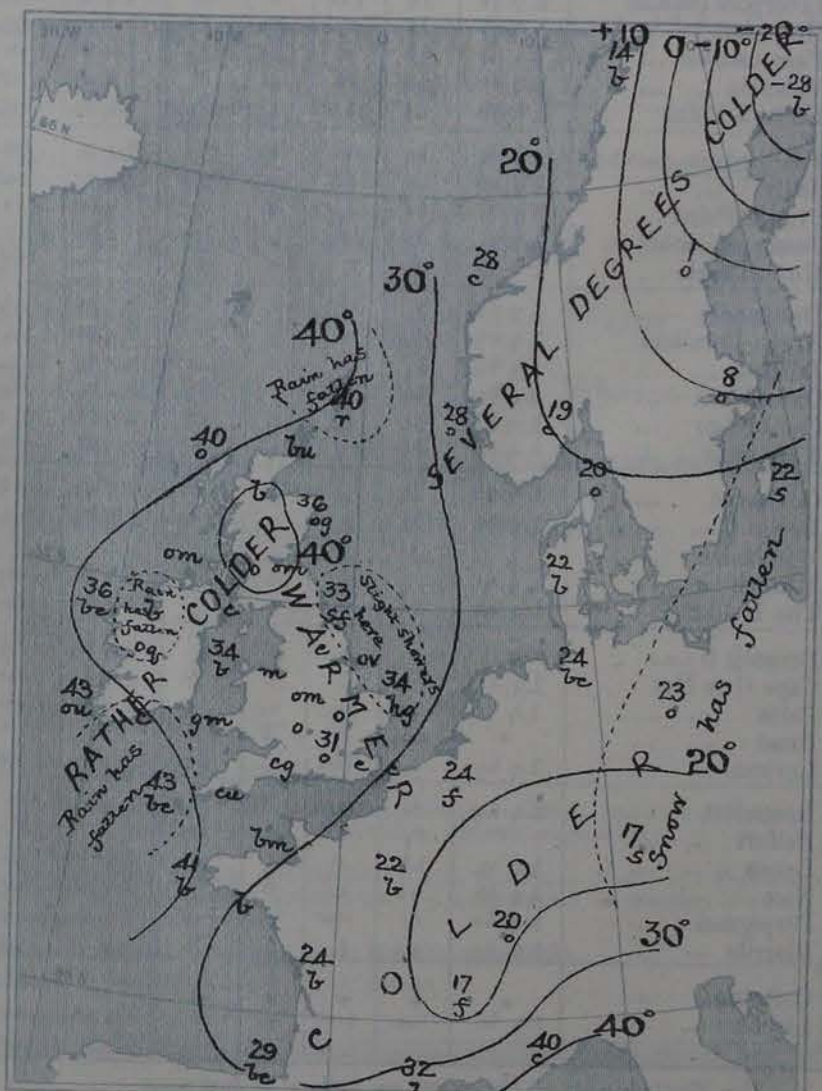
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of December.)

| STATIONS. | TEMPERATURE. | | | | RAINFALL (Inches.) |
|---------------|---------------|---------------|-------------------|------|-----------------------|
| | Daily Max. | Daily Min. | At 8 a.m. Dry. | Wet. | |
| Sumburgh Head | 42.6 | 35.2 | 39.6 | 38.1 | 1.25 |
| Stornoway | 43.1 | 34.2 | 39.4 | 38.5 | 0.63 |
| Wick | 42.2 | 32.7 | 38.1 | 36.8 | 3.10 |
| Nairn | 41.9 | 32.8 | 37.1 | 35.6 | 1.95 |
| Aberdeen | 41.9 | 32.6 | 36.9 | 35.2 | 3.24 |
| Leith | 41.0 | 33.7 | 38.5 | 37.0 | 1.80 |
| Shields | 42.9 | 33.9 | 38.3 | 36.0 | 2.57 |
| Spurn Head | 42.4 | 35.3 | 38.8 | 37.7 | 2.14 |
| York | 42.8 | 32.3 | 36.4 | 35.4 | 2.28 |
| Loughborough | 42.7 | 32.2 | 36.3 | 35.1 | 2.24 |
| Ardrossan | 41.6 | 35.9 | 40.0 | 38.7 | 3.73 |
| Mullaghmore | 40.5 | 37.8 | 42.2 | 39.8 | 1.51 |
| Donaghadee | 43.8 | 36.2 | 40.2 | 39.3 | 2.81 |
| Holyhead | 46.4 | 39.1 | 42.8 | 41.1 | 3.82 |
| Liverpool | 43.5 | 35.0 | 38.8 | 37.1 | 2.50 |
| Parsonstown | 44.7 | 33.1 | 37.8 | 36.6 | 3.04 |
| Valencia | 40.7 | 40.0 | 41.6 | 42.4 | 5.99 |
| Roche's Point | 47.9 | 38.9 | 42.9 | 41.5 | 4.06 |
| Pembroke | 46.8 | 40.3 | 43.6 | 42.2 | 3.99 |
| Silly | 49.5 | 43.4 | 47.0 | 45.1 | 4.02 |
| Prawle Point | 47.0 | 38.3 | 43.5 | 41.1 | 3.76 |
| Jersey | 47.3 | 39.3 | 43.1 | 41.4 | 3.82 |
| Hurst Castle | 45.0 | 38.3 | 40.6 | 39.8 | 2.70 |
| Dover | 41.3 | 35.9 | 34.8 | 38.6 | 3.00 |
| LONDON | 41.0 | 33.0 | 37.8 | 36.7 | 2.10 |
| Oxford | 42.0 | 33.5 | 37.0 | 35.9 | 2.10 |
| Cambridge | 42.8 | 31.0 | 36.2 | 35.5 | 1.85 |
| Yarmouth | 41.0 | 31.7 | 37.0 | 37.0 | 2.00 |

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



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.6 ins: and more to 30.0 ins: over Scandinavia and the northeastern parts of the North Sea.
 Lowest, 29.4 ins: and less, over the northern half of Spain, and 29.8 ins: and less, over the Baltic.
 Gradients steep over the south of Sweden, and rather so (and increasing) over the southwest of our Islands.
 Barometer still rising in the north, falling in the southwest and south.

TEMPERATURE

Highest, 50° at Lisbon, 43° at Lally and Valencia, 40° at Stomaway and Lumburgh 11th.
 Lowest, -28° F. at Haparanda, +8° at Stockholm, 17° at Munich and Lyons, 22° at Paris, 28° at Oxford.
 It is rising somewhat decidedly over England and France, and in many places the frost is breaking.

WIND

S¹ in Scotland (strong at Wick), SE¹ strong on our eastern coasts, E¹ strong in the Channel and fresh over the Bay of Biscay.
 At Wexh it is blowing a whole gale from NE.

WEATHER

Fine and bright at many of our northern and northwestern stations and in France, overcast and very unsettled over our southern and southern districts, with a threatening appearance in many places. Snow is falling at Munich and Wexh.
 A lunar halo was seen at Pembroke last evening.

SEA

Rough both on our most northern, and our southwestern and southern coasts, and rising in the Channel generally.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The easterly wind seems likely to increase to a gale over our eastern, southern, and southwestern districts generally, with sleet or snow showers.

FORECASTS

For the 24 hours ending at NOON on 1st January, 1892.

DISTRICTS.

FORECASTS.

| | | |
|---|------------------|--|
| 0 | SCOTLAND NORTH | } SE ² winds, fresh; some rain. |
| 1 | SCOTLAND EAST | |
| 2 | ENGLAND N.E. | SE ² and E ² winds, freshening; some cold showers. |
| 3 | ENGLAND EAST | Same as No 5 |
| 4 | MIDLAND COUNTIES | Same as No 2. |
| 5 | ENGLAND SOUTH | E ² gales and strong winds; some sleet or snow showers |

DISTRICTS.

FORECASTS.

| | | |
|----------|---------------|--|
| 6 | SCOTLAND WEST | } S ² and SE ² winds, fair as a whole. |
| 7 | ENGLAND N.W. | |
| 8 | ENGLAND S.W. | Same as No 5 |
| 9 | IRELAND NORTH | SE ² winds, fresh or strong; some cold showers. |
| 10 | IRELAND SOUTH | Same as No 5. |
| WARNINGS | | At 10.30 am today to districts 3.5.8 and 10 "Horist North Cone". |

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

YESTERDAY'S 2 P.M. REPORTS.

| | BAR. | THER. | | WIND. Dirac. | F. | WEA. | SEA. | | BAR. | THER. | | WIND. Dirac. | F. | WEA. | SEA. |
|-----------------|-------|-------|------|-----------------|----|------|------|-------------------|-------|-------|------|-----------------|----|-------|------|
| | | Dry. | Wet. | | | | | | | Dry. | Wet. | | | | |
| Skudesnaes ... | 30.02 | 35 | 32 | S | 6 | b | 3 | Valencia ... | 29.47 | 50 | 47 | SSE | 4 | o g | 4 |
| Sumburgh Head | 29.75 | 42 | 39 | S | 3 | o | 3 | Scilly ... | 29.61 | 48 | 47 | SSE | 5 | c t | 5 |
| Stornoway ... | 29.65 | 44 | 43 | SW | 6 | o | 6 | Jersey ... | 29.78 | 36 | 32 | E | 3 | b m | 2 |
| Aberdeen ... | 29.81 | 36 | 33 | SSE | 3 | o g | 4 | Hurst Castle | 29.80 | 37 | 35 | E | 4 | c m | 2 |
| Shields ... | 29.84 | 31 | 30 | S | 3 | m | 2 | Dungeness ... | 29.84 | 38 | 35 | SE | 5 | b | 4 |
| Ardrossan ... | 29.75 | 36 | 35 | NE | 4 | b | 1 | North Foreland... | 29.82 | 37 | 33 | SE | 2 | c | 3 |
| Malin Head ... | 29.62 | 41 | 40 | SSE | 5 | o | 3 | London ... | 29.82 | 35 | 32 | SE | 1 | o g f | * |
| Mullaghmore ... | 29.61 | 44 | 41 | SSE | 4 | o g | 4 | Yarmouth ... | 29.84 | 37 | 35 | ESE | 2 | c | 3 |
| Belmullet ... | 29.57 | 44 | 42 | ESE | 3 | o | * | Rocheport ... | 29.78 | 35 | 32 | E | 3 | b | * |
| Holyhead ... | 29.73 | 42 | 38 | SSE | 1 | c | 2 | | | | | | | | |

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

Weather foggy over the inland part of the south of England, and cloudy or overcast in most other part of the United Kingdom, but fine and bright at one or two of the Irish and Scotch stations. Dull over the Continent generally, with snow in many parts of Russia, Germany, and Austria, but fine in France and also in the west of Norway. A little rain falling during day on our extreme west and southwest coasts; fog dispersing in the south of England.

Temperature fallen generally, but risen over France, Austria, and the south of Russia. Morning readings highest 59° at Malta, 57° at Palermo, 54° at La Calle and 51° at Oran; ranging between 45° and 50° on the extreme southwest coasts of our Islands. Lowest -25° Fast: at Archangel, -15° at Kharlov, -12° at Haparanda, and -4° at Uleaborg; below 15° in Austria, and below 20° over the central parts of England and France. Thermometer remaining below the freezing point all day at some of the English stations, but exceeding 40° on our southwestern, western, and extreme northern coasts. Exceeding 45° in the south of France and reaching 52° at Nice.

Wind light from the End or SEnd over the greater part of England, Ireland, and France, but fresh on our extreme southwest coasts; S³ in the northern parts of Scotland and Ireland, NE³ or N³ in Finland and Sweden, E³ in Norway and Denmark, light from the Snd over the central and southern parts of Russia, N³ or NE³ in Spain and Italy, S³ or SW³ in Algeria. No important change occurring during day.

Barometer highest 30.3 in. and upwards, over the extreme northern parts of Russia and Scandinavia; 29.9 in. and upwards in a "ridge" extending in a southwesterly direction and embracing the greater part of the North Sea. Lowest 29.5 in. and less, in a depression lying to the southward of our Islands, 29.6 in. and less, in a large shallow disturbance over the western parts of the Mediterranean, 29.7 in. and less, in a well marked system lying over the Baltic Provinces. Anticyclone subsequently spreading further westwards; depression off our southwest coasts beginning to move slowly southwards.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

* AN ASTERISK is inserted in all places for which information is not usually received.
N.B.—The morning observations are made at 8 a.m. in the British Islands, Germany, Sweden, and Norway, 7 a.m. in France, Spain and Portugal, and 9 a.m. in Belgium. The evening observations are made at 6 p.m. in the British Islands (as a rule), and France, 8 p.m. at Oxford, in Sweden, Norway, and Germany, and 9 p.m. in Belgium. The time at each Station is the Standard Time of its Country.

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

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

" Weekly " " " £1 10 0 "

ADDITIONS AND CORRECTIONS TO THE

1. REPORTS RECEIVED TOO LATE FOR INSERTION DAILY.

| | | YESTERDAY EVENING. | | | | | 8 A.M. TO DAY. | | | | | | | | | | PAST 24 HOURS | | | |
|-------|-----------------|---|--------------|--------|---------------------------|----------|---|--|--------------|--------------|--------------------------------------|--------|---------------------------|----------|-------------------|----------|---------------|------|---------------------------|--|
| DATE. | STATIONS. | BAROM. | TEMP. | WIND. | | Weather. | BAROMETER. | | SHADE TEMP. | | | WIND. | | Weather. | Sea (10 to 9). | Weather. | SHADE TEMP. | | Amount of Rainfall. | |
| | | Reading at 32° F. and Sea Level. | Dry Bulb. | Dircc. | Force (0 to 12). | | Reading at 32° F. and Sea Level. | Change since Yester- day Morn. | Dry Bulb. | Wet Bulb. | Change in dry since Yesterday. | Dircc. | Force (0 to 12). | | | | Max. | Min. | | |
| 1 | Corunna | * | * | * | * | * | 30.36 | .00 | 45 | 42 | + 3 | SE | 5 | b | 5 | * | 55 | 37 | - | |
| 2 | Corunna | * | * | * | * | * | 30.17 | -.19 | 52 | - | + 7 | SSE | 4 | o | 4 | * | 57 | 43 | - | |
| 3 | Nice | 30.09 | 43 | E | 1 | bc | 30.08 | -.05 | 44 | - | + 3 | E | 2 | o | 2 | bc | 54 | 39 | - | |
| " | Biarritz | 30.12 | 51 | E | 3 | bc | 30.07 | -.11 | 47 | - | 0 | SSW | 3 | o | 2 | bc | 59 | 46 | - | |
| " | Corunna | * | * | * | * | * | 30.05 | -.12 | 53 | 50 | + 1 | SSW | 6 | r | 3 | * | 59 | 48 | 0.08 | |
| 5 | Wisby | 29.61 | 31 | SE | 6 | S | 29.73 | + .06 | 31 | 30 | - 4 | ESE | 6 | o | * | S | 36 | 27 | 0.16 | |
| " | Corunna | * | * | * | * | * | 30.27 | - | 52 | 52 | - | WNW | 6 | r | 6 | * | 59 | 48 | 0.12 | |
| 6 | Corunna | * | * | * | * | * | 30.18 | -.09 | 53 | 52 | + 1 | N | 3 | o | 5 | * | 55 | 50 | 0.08 | |
| 7 | Corunna | * | * | * | * | * | 30.09 | -.09 | 43 | 42 | - 10 | NNE | 4 | bc | 4 | * | 55 | 51 | - | |
| 8 | Corunna | * | * | * | * | * | 30.21 | + .12 | 47 | 44 | + 4 | NNE | 5 | o | 3 | * | 55 | ? | 0.12 | |
| 9 | Corunna | * | * | * | * | * | 30.22 | + .01 | 40 | 37 | - 7 | E | 3 | m | 2 | * | 54 | 36 | - | |
| 10 | Corunna | * | * | * | * | * | 30.17 | -.05 | 52 | 46 | + 12 | NNE | 6 | o | 4 | * | 54 | 37 | 0.04 | |
| 12 | Belfort | ? | 36 | W | 3 | o | ? | ? | 39 | - | + 18 | W | 3 | r | * | o | 39 | ? | 0.12 | |
| " | Corunna | * | * | * | * | * | 29.80 | ? | 49 | 48 | ? | SW | 6 | r | 6 | * | 55 | 46 | 0.12 | |
| 13 | Belfort | ? | 39 | SW | 6 | r | ? | ? | 39 | 36 | 0 | W | 4 | r | * | r | 41 | 34 | 0.43 | |
| " | Biarritz | 30.05 | 53 | SW | 3 | o | 30.06 | -.00 | 53 | - | + 1 | W | 5 | r | 4 | o | 57 | 50 | 0.04 | |
| " | Corunna | * | * | * | * | * | 30.19 | + .39 | 56 | 55 | + 7 | NW | 5 | o | 5 | * | 57 | 46 | 0.16 | |
| 14 | Belfort | ? | 33 | W | 3 | c | ? | - | 29 | - | - 10 | E | 1 | c | * | * | 42 | 26 | - | |
| " | Corunna | * | * | * | * | * | 30.38 | + .19 | 48 | 45 | - 8 | NW | 4 | c | 3 | * | 57 | 43 | 0.04 | |
| 15 | Biarritz | 30.37 | 45 | NE | 3 | b | 30.41 | + .11 | 41 | - | - 2 | SSE | 3 | bc | 2 | b | 50 | 37 | - | |
| " | Corunna | * | * | * | * | * | 30.36 | -.02 | 43 | 41 | - 5 | NNE | 3 | m | 2 | * | 55 | 37 | - | |
| 16 | Belfort | ? | 42 | SW | 2 | r | ? | - | 36 | - | + 5 | SW | 3 | r | * | r | ? | ? | 0.04 | |
| " | Corunna | * | * | * | * | * | 30.33 | -.03 | 44 | 41 | + 1 | SE | 4 | b | 3 | * | 54 | 37 | - | |
| 17 | Biarritz | 30.38 | 44 | E | 3 | bc | 30.34 | -.02 | 39 | - | - 6 | SE | 3 | b | 3 | bc | 48 | 36 | - | |
| " | Corunna | * | * | * | * | * | 30.30 | -.03 | 46 | 43 | + 2 | SE | 4 | b | 3 | * | 64 | 39 | - | |
| 18 | Brussels | * | * | * | * | * | 30.37 | -.03 | 37 | - | - 7 | NSW | 4 | o | * | o | 44 | 37 | - | |
| 19 | Christiansfjord | 29.18 | 44 | NSW | 9 | b | 29.33 | -.24 | 41 | 36 | - 2 | NSW | 6 | b | 5 | b | 46 | 41 | 0.39 | |
| 20 | The Helder | 30.10 | 45 | W | 2 | o | 30.05 | -.07 | 44 | - | - 2 | W | 2 | c | 2 | o | 46 | 43 | - | |
| " | Corunna | * | * | * | * | * | 30.02 | -.10 | 46 | 44 | - 1 | SE | 4 | bc | 2 | * | 59 | 41 | - | |
| 21 | Corunna | * | * | * | * | * | 29.94 | -.08 | 53 | 48 | - 7 | SSE | 5 | o | 2 | * | 61 | 45 | - | |
| 22 | The Helder | 30.17 | 36 | NE | 1 | b | 30.15 | + .02 | 33 | 31 | - 6 | E | 1 | b | 1 | b | 41 | 32 | - | |
| " | Corunna | * | * | * | * | * | 29.80 | -.14 | 55 | 52 | + 2 | SE | 5 | o | 3 | * | 57 | 50 | 0.20 | |
| 23 | Corunna | * | * | * | * | * | 29.70 | -.10 | 61 | 56 | + 6 | S | 6 | o | 3 | * | 63 | 50 | - | |
| 24 | Bodo | 29.77 | 26 | E | 4 | b | 29.83 | -.15 | 18 | 17 | - 7 | E | 4 | b | o | b | 28 | 10 | - | |
| " | Christiansund | 29.93 | 36 | SW | 9 | o | 29.82 | -.37 | 37 | 33 | + 4 | N | 3 | o | 3 | o | 37 | - | 0.51 | |
| " | Corunna | * | * | * | * | * | 29.91 | + .21 | 55 | 51 | - 6 | WNW | 6 | o | 5 | * | 63 | 50 | 0.32 | |
| 26 | Corunna | * | * | * | * | * | 29.88 | ? | 54 | 50 | ? | N | 5 | c | 5 | * | 57 | 45 | 0.32 | |
| 27 | Lyons | 29.99 | 26 | WNW | 1 | o | 30.06 | + .18 | 23 | - | - 5 | N | 1 | o | * | o | 28 | 23 | - | |
| " | Corunna | * | * | * | * | * | 29.97 | + .09 | 39 | 37 | - 15 | SE | 3 | m | 2 | * | 54 | 34 | - | |
| 28 | Brussels | * | * | * | * | * | 30.33 | + .16 | 27 | - | + 2 | E | 1 | f | * | o | 33 | 25 | - | |
| " | Lyons | 30.10 | 24 | WNW | 2 | b | 30.20 | + .14 | 19 | - | - 4 | N | 1 | b | * | b | 28 | 18 | - | |
| " | Corunna | * | * | * | * | * | 30.06 | + .09 | 46 | 41 | + 7 | NE | 4 | b | 2 | * | 54 | 36 | - | |
| 30 | Bodo | 29.99 | 30 | E | 2 | b | 30.03 | ? | 18 | 17 | ? | E | 6 | b | 2 | b | 36 | 14 | - | |
| " | Corunna | * | * | * | * | * | 29.63 | ? | 42 | 36 | ? | ESE | 5 | o | 3 | * | 46 | 41 | - | |
| 31 | Corunna | * | * | * | * | * | 29.30 | -.33 | 47 | 45 | + 5 | SSE | 5 | r | 3 | * | 50 | 39 | 0.51 | |

2. CORRECTIONS.

| | | YESTERDAY EVENING. | | | | | | 8 A.M. TO DAY. | | | | | | | | | | PAST 24 HOURS | | | |
|-------|----------------|----------------------------------|-----------|--------|------------------|----------|----------------------------------|------------------------------|-------------|-----------|--------------------------------|--------|------------------|---------------|----------|-------------|------|---------------------|--|--|--|
| DATE. | STATIONS. | BAROM. | TEMP. | WIND. | | Weather. | BAROMETER. | | SHADE TEMP. | | | WIND. | | Sea (0 to 9). | Weather. | SHADE TEMP. | | Amount of Rainfall. | | | |
| | | Reading at 32° F. and Sea Level. | Dry Bulb. | Dirac. | Force (0 to 12). | | Reading at 32° F. and Sea Level. | Change since Yesterday Morn. | Dry Bulb. | Wet Bulb. | Change in dry since Yesterday. | Dirac. | Force (0 to 12). | | | Max. | Min. | | | | |
| 2 | Wick | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 18 | - | | | |
| " | Aberdeen | - | - | - | - | - | 30.07 | +23 | - | - | - | - | - | - | - | - | - | - | | | |
| " | Leith | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 36 | - | | | |
| " | Parsonstown | - | - | - | - | - | 30.09 | +25 | - | - | - | - | - | - | - | - | - | - | | | |
| 3 | Stornoway | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1.00 | | | |
| 4 | Belmullet | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 46 | - | | | |
| " | Parsonstown | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 41 | 0.04 | | | |
| 5 | Roche's Point | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | |
| 6 | Adrossan | 29.58 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | |
| " | Hurst Castle | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 32 | - | | | |
| " | North Foreland | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 36 | - | | | |
| 7 | Adrossan 2pm | - | - | - | - | - | - | - | 41 | 39 | - | - | - | - | - | - | - | - | | | |
| " | Jersey 2pm | - | - | - | - | - | 29.99 | - | - | - | - | - | - | - | - | - | - | - | | | |
| 8 | York | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.02 | | | |
| " | Donaghadee | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.03 | | | |
| " | Pembroke | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 43 | 0.10 | | | |
| 9 | Sumburgh Hd | - | - | - | - | - | 29.81 | -17 | - | - | - | - | - | - | - | - | 33 | - | | | |
| " | Aberdeen | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | |
| 10 | Malin Head | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.02 | | | |
| " | Dungeness | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.03 | | | |
| 13 | Haparanda | 29.71 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | |
| " | Dungeness | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 45 | - | | | |
| " | North Foreland | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.01 | | | |
| " | Cambridge | 29.50 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | |
| " | Belmullet 2pm | - | - | - | - | - | 29.96 | - | - | - | - | - | - | - | - | - | - | - | | | |
| 14 | North Foreland | ? 30.05 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | |
| 15 | Pembroke | - | 50 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.11 | | | |
| " | Cambridge | - | - | - | - | - | 30.00 | -06 | - | - | - | - | - | - | - | - | - | - | | | |
| 16 | Cambridge | 30.05 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | |
| 17 | York | - | - | - | - | - | 30.10 | -16 | - | - | - | - | - | - | - | - | - | - | | | |
| " | Loughborough | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 48 | - | | | |
| 18 | Bodo | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | ? | - | | | |
| " | Aberdeen | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 54 | 42 | | | |
| " | Shields | - | - | - | - | - | ? 29.85 | -16 | - | - | - | - | - | - | - | - | - | - | | | |
| " | Malin Head | - | - | - | - | - | ? 29.96 | -04 | - | - | - | - | - | - | - | - | - | - | | | |
| 19 | Wick | - | - | - | - | - | 29.90 | +54 | - | - | - | - | - | - | - | - | - | - | | | |
| " | Valencia | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 46 | | | |
| " | Oxford | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 44 | | | |
| 21 | Wick | 30.07 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | |
| " | Cambridge | 30.10 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | |
| " | Berlin | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.16 | | | |
| 23 | Mullaghmore | 29.86 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | |
| 24 | Mullaghmore | - | 40 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | |
| 25 | Pembroke | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 40 | - | | | |
| 28 | Brawle Point | 30.27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | | |
| 29 | Valencia | - | - | - | - | - | 29.71 | -48 | - | - | - | - | - | - | - | - | - | - | | | |
| 30 | Shields | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 23 | | | |