

1815-4

METEOROLOGICAL OFFICE.

DAILY WEATHER REPORTS.

1ST JULY TO 31ST DECEMBER, 1893.

Sec. Hyg. Serv.

21. 1. 95

DAILY WEATHER REPORT.

July to December 1893.



DAILY WEATHER REPORT

for 8 a.m. on Sunday 1st OCTOBER

1893

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 ... | 29.72 | 45 | S | 4 | 0 | 29.78 | + .01 | 46 | 45 | + 3 | S | 2 | 0 | # | 0 | 46 | 32 | 0.12 | | |
| | Hernösand ... | 29.63 | 50 | S | 4 | 0 | 29.54 | + .13 | 49 | 49 | 0 | S | 4 | 0 | # | 0 | 55 | 37 | 0.12 | | |
| | Stockholm ... | 29.68 | 51 | SE | 2 | r | 29.65 | ? | 56 | 52 | + 4 | SSE | 4 | 0 | # | r | 61 | 48 | — | | |
| | Wisby ... | 29.71 | 54 | SSW | 4 | 0 | 29.72 | + .08 | 55 | 53 | + 2 | SSW | 4 | 0 | # | 0 | 59 | 54 | — | | |
| | Bodö ... | 29.41 | 46 | ESE | 2 | 0 | 29.43 | + .08 | 49 | 48 | + 1 | E | 4 | 0 | # | 0 | 50 | 43 | 0.20 | | |
| | Christiansund... | 29.30 | 49 | ESE | 1 | 6 | 29.25 | + .10 | 49 | 48 | — 2 | WSW | 3 | 6 | 3 | 6 | 55 | 46 | 0.08 | | |
| | Skudesnaes ... | 29.23 | 52 | SSE | 8 | r | 29.43 | + .23 | 55 | 53 | 0 | S | 7 | 0 | 5 | cr | 57 | 50 | — | | |
| | Christiania Fjord (Færd) | 29.41 | 55 | SSE | 4 | r | 29.53 | + .13 | 52 | 52 | 0 | SW | 4 | 6 | 3 | r | 55 | 54 | 0.32 | | |
| | Skagen (The Seaw) | 29.38 | 55 | S | 4 | 0 | 29.58 | + .14 | 51 | 50 | — 3 | SW | 3 | 0 | 1 | 0 | 55 | 50 | 0.08 | | |
| | Fanö ... | 29.43 | 52 | SW | 2 | c | 29.61 | + .17 | 55 | 54 | 0 | SW | 3 | 0 | # | c | 57 | 52 | 0.16 | | |
| BRITISH ISLANDS. | Sumburgh Head | 28.95 | 51 | SSE | 3 | 0 | 29.11 | + .20 | 51 | 48 | + 1 | W | 3 | 0 | # | 0 | 55 | 49 | 0.04 | | |
| | Stornoway ... | 28.92 | 51 | SW | 3 | r | 29.19 | + .46 | 49 | 48 | — 1 | W | 3 | 0 | # | r | 54 | 45 | 0.22 | | |
| | Wick ... | 28.94 | 54 | W | 2 | 6 | 29.24 | + .36 | 49 | 47 | — 4 | SW | 1 | 0 | # | 6 | 57 | 44 | — | | |
| | Nairn ... | 28.97 | 51 | SW | 2 | c | 29.24 | + .39 | 50 | 47 | — 2 | SW | 2 | 0 | # | c | 59 | 45 | — | | |
| | Aberdeen ... | 29.05 | 51 | SSW | 3 | be | 29.34 | + .36 | 51 | 47 | — 1 | S | 2 | 0 | # | be | 57 | 45 | — | | |
| | Leith ... | 29.15 | 50 | SSW | 2 | be | 29.41 | + .41 | 55 | 51 | + 2 | SW | 3 | 0 | # | be | 60 | 47 | 0.13 | | |
| | Shields ... | 29.19 | 54 | SW | 3 | c | 29.46 | + .37 | 47 | 45 | — 2 | SW | 1 | 0 | # | c | 60 | 44 | 0.08 | | |
| | Spurn Head ... | 29.30 | 55 | SSW | 3 | 6 | 29.55 | + .35 | 53 | 51 | + 1 | SSW | 3 | 0 | # | 6 | 60 | 48 | — | | |
| | York ... | 29.28 | 55 | WSW | 1 | 6 | 29.54 | + .37 | 47 | 46 | — 1 | S | 1 | 0 | # | 6 | 61 | 42 | — | | |
| | Loughborough | 29.35 | 54 | SW | 1 | be | 29.58 | + .36 | 47 | 47 | — 3 | S | 1 | 0 | # | be | 64 | 42 | 0.02 | | |
| BRITISH ISLANDS. | Ardrrossan ... | 29.14 | 53 | SW | 3 | be | 29.40 | + .42 | 54 | 52 | + 1 | SW | 3 | 0 | # | be | 58 | 50 | 0.12 | | |
| | Malin Head ... | 29.15 | 52 | W | 5 | 6 | 29.37 | + .43 | 52 | 49 | 0 | W | 5 | 0 | # | be | 56 | 50 | 0.08 | | |
| | Mullaghmore ... | | | | | | | | | | | | | | | | | | | | |
| | Belmullet ... | 29.28 | 52 | WNW | 3 | be | 29.50 | + .39 | 52 | 49 | + 1 | W | 3 | 0 | # | be | 57 | 49 | 0.10 | | |
| | Donaghadee ... | 29.23 | 51 | WSW | 3 | c | 29.47 | + .41 | 46 | 45 | — 2 | WSW | 3 | 0 | # | c | 61 | 45 | 0.01 | | |
| | Liverpool (Bidston) | 29.29 | 51 | SSW | 3 | 6 | 29.55 | + .40 | 50 | 48 | — 1 | S | 1 | 0 | # | 6 | 58 | 48 | — | | |
| | Holyhead ... | 29.28 | 54 | WSW | 1 | 6 | 29.52 | + .38 | 56 | 53 | + 1 | WSW | 1 | 0 | # | 6 | 59 | 49 | 0.01 | | |
| | Parsonstown ... | 29.30 | 53 | W | 1 | be | 29.54 | + .38 | 44 | 43 | — 4 | W | 0 | 0 | # | be | 58 | 41 | 0.05 | | |
| | Valencia ... | 29.38 | 55 | WSW | 3 | c | 29.63 | + .35 | 55 | 52 | 0 | WNW | 3 | 0 | # | be | 59 | 48 | 0.02 | | |
| | Roche's Point | 29.37 | 56 | W | 3 | be | 29.60 | + .38 | 50 | 48 | — 3 | N | 2 | 0 | # | be | 62 | 46 | — | | |
| BRITISH ISLANDS. | Pembroke (St. Ann's Hd.) | 29.37 | 57 | W | 4 | be | 29.56 | + .33 | 55 | 52 | — 1 | NW | 3 | 0 | # | be | 59 | 52 | 0.04 | | |
| | Scilly ... | 29.45 | 58 | W | 4 | be | 29.58 | + .26 | 55 | 52 | — 2 | NW | 1 | 0 | # | be | 61 | 51 | 0.05 | | |
| | Prawle Point ... | 29.45 | 56 | WSW | 5 | be | 29.59 | + .27 | 53 | 52 | — 2 | WNW | 2 | 0 | # | be, p. | 59 | 51 | 0.04 | | |
| | Jersey (St. Aubin's) | 29.51 | 59 | WSW | 6 | be | 29.61 | + .24 | 58 | 55 | — 1 | SW | 5 | 0 | # | be, p. | 63 | 55 | 0.03 | | |
| | Hurst Castle ... | 29.45 | 59 | WSW | 5 | be | 29.60 | + .30 | 50 | 49 | — 6 | W | 2 | 0 | # | be | 64 | 48 | 0.05 | | |
| | Dungeness ... | 29.44 | 58 | W | 5 | c | 29.62 | + .31 | 56 | 55 | + 2 | NE | 1 | 0 | # | be, c | 61 | 49 | 0.24 | | |
| | North Foreland | 29.44 | 56 | SW | 3 | 6 | 29.62 | + .31 | 56 | 52 | + 3 | W | 1 | 0 | # | be, c | 61 | 55 | 0.25 | | |
| | London ... | 29.43 | 55 | WSW | 2 | 6 | 29.61 | + .32 | 54 | 52 | 0 | S | 1 | 0 | # | be, c | 63 | 42 | 0.01 | | |
| | Oxford ... | 29.44 | 52 | WSW | 2 | 6 | 29.60 | + .34 | 50 | 48 | — 1 | SSE | 1 | 0 | # | 6 | 62 | 43 | — | | |
| | Cambridge ... | 29.39 | 54 | S | 3 | 6 | 29.62 | + .35 | 47 | 47 | — 6 | SSE | 3 | 0 | # | 6 | 64 | 40 | — | | |
| BRITISH ISLANDS. | Yarmouth ... | 29.36 | 57 | WSW | 3 | 6 | 29.60 | + .31 | 51 | 50 | — 3 | WSW | 2 | 0 | # | be, c | 59 | 45 | 0.01 | | |
| | Cuxhaven ... | 29.45 | 52 | S | 3 | 6 | 29.69 | + .12 | 49 | 48 | — 2 | SW | 2 | 0 | # | be | 58 | 48 | — | | |
| | Berlin ... | 29.59 | 62 | SE | 2 | 6 | 29.82 | + .12 | 57 | 56 | — 3 | WNW | 1 | 0 | # | 6 | 72 | 57 | — | | |
| | Wiesbaden ... | * | * | * | * | * | 29.74 | + .08 | 55 | 54 | — 2 | W | 0 | 0 | # | # | 72 | 55 | 0.24 | | |
| | Munich ... | 29.67 | 62 | SW | 6 | 0 | 29.75 | + .06 | 53 | 51 | + 3 | NW | 3 | 0 | # | 0 | 70 | 50 | — | | |
| | The Helder ... | 29.48 | 57 | SW | 5 | 6 | 29.67 | + .26 | 51 | 50 | — 4 | S | 1 | 0 | # | 6 | 57 | 48 | 0.20 | | |
| | Brussels (9 a.m.) | * | * | * | * | * | 29.69 | + .23 | 52 | 50 | — 3 | SSE | 1 | 0 | # | 6 | 59 | 44 | 0.16 | | |
| | Cape Gris Nez | 29.44 | 55 | W | 5 | be | 29.59 | + .24 | 55 | 53 | 0 | SE | 2 | 0 | # | be | 61 | 52 | 0.59 | | |
| | Paris ... | 29.58 | 58 | SSW | 2 | c | 29.68 | + .18 | 47 | 47 | — 8 | S | 2 | 0 | # | c | 66 | 45 | 0.04 | | |
| | Brest ... | ? | 57 | WNW | 2 | be | ? | ? | 56 | 54 | + 1 | NW | 3 | 0 | # | be | 64 | 54 | 0.12 | | |
| FRANCE AND BELGIUM. | Lorient ... | 29.58 | 63 | W | 5 | c | 29.62 | + .17 | 54 | 52 | — 5 | E | 1 | 0 | # | c | 66 | 52 | 0.43 | | |
| | Roche fort ... | 29.89 | 61 | W | 4 | 0 | 29.60 | + .10 | 55 | 55 | — 5 | SSE | 3 | 0 | # | 0 | 66 | 54 | 0.39 | | |
| | Belfort ... | | | | | | | | | | | | | | | | | | | | |
| | Lyons ... | 29.71 | 57 | ESE | 1 | r | 29.71 | + .08 | 53 | 50 | — 12 | NW | 1 | 0 | # | r | 72 | 52 | 0.35 | | |
| | Nice ... | 29.76 | 60 | SSW | 3 | r | 29.70 | + .21 | 56 | 54 | — 5 | N | 4 | 0 | # | r | 63 | 55 | — | | |
| | Perpignan ... | 29.78 | 57 | W | 2 | r | 29.76 | + .09 | 54 | 51 | — 11 | W | 2 | 0 | # | r | 71 | 50 | 0.24 | | |
| | Biarritz ... | 29.76 | 62 | W | 5 | be | 29.76 | + .05 | 57 | 53 | — 4 | SW | 5 | 0 | # | be, c | 66 | 54 | 0.67 | | |
| | Corunna ... | * | * | * | * | * | 30.02 | + .03 | 60 | 57 | — 4 | WNW | 4 | 0 | # | * | 70 | 59 | — | | |
| | Lisbon ... | 29.97 | 62 | W | 4 | 6 | | | | | | | | | | | | | | | |

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, 1st October 1893.

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:

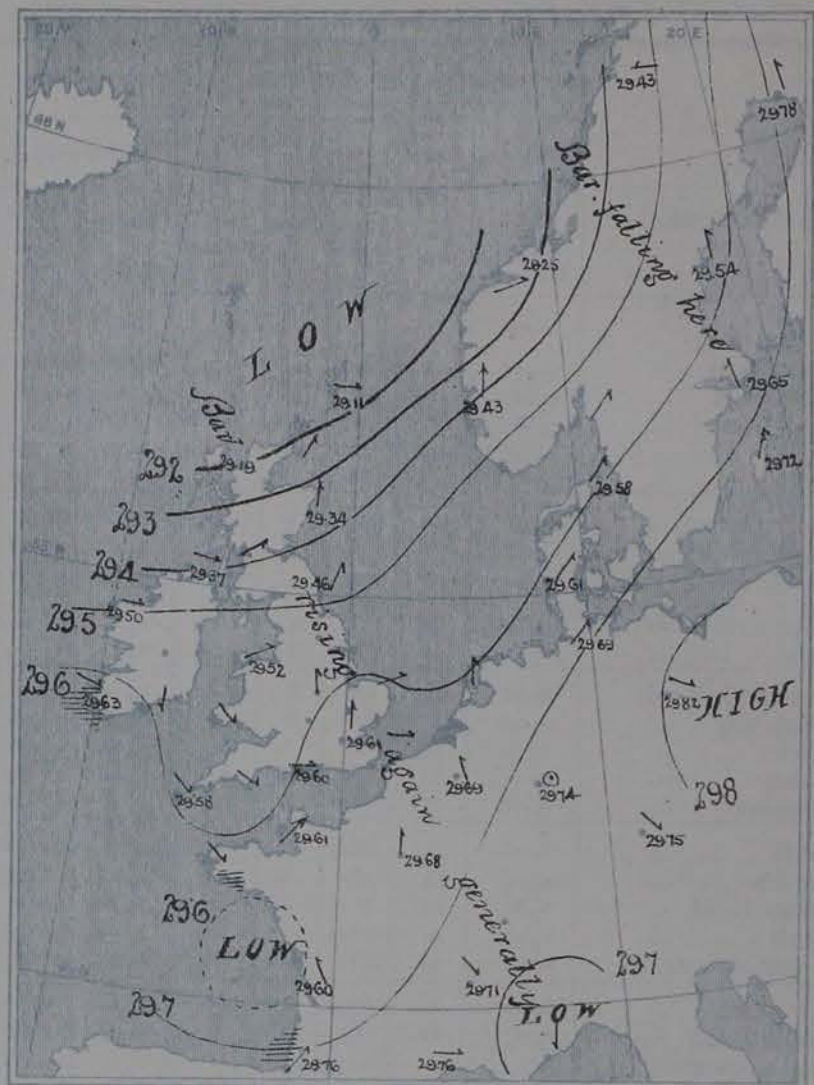
☼ = Rough ☼ = High.

MEAN HEIGHT OF THE BAROMETER

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

During the 20 Years 1871—1890.

| STATIONS. | MEAN READINGS. |
|---------------|----------------|
| Sumburgh Head | 29.726 |
| Stornoway | 29.756 |
| Wick | 29.763 |
| Nairn | 29.770 |
| Aberdeen | 29.793 |
| Leith | 29.822 |
| Shields | 29.846 |
| Spurn Head | 29.867 |
| York | 29.882 |
| Loughborough | 29.904 |
| Ardrossan | 29.931 |
| Mullaghmore | 29.945 |
| Donaghadee | 29.950 |
| Holyhead | 29.972 |
| Liverpool | 29.979 |
| Parsonstown | 29.997 |
| Valencia | 29.996 |
| Rocha's Point | 29.992 |
| Pembroke | 29.988 |
| Scilly | 29.910 |
| Frawle Point | 29.931 |
| Jersey | 29.925 |
| Hurst Castle | 29.922 |
| Dover | 29.916 |
| LONDON | 29.923 |
| Oxford | 29.924 |
| Cambridge | 29.912 |
| Yarmouth | 29.894 |



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 October.)

| STATIONS. | TEMPERATURE. | | | | RAINFALL. (Inches.) |
|---------------|---------------|---------------|-------------------|------|------------------------|
| | Daily Max. | Daily Min. | Dry. at 8 a.m. | Wet. | |
| Sumburgh Head | 40.8 | 41.6 | 40.0 | 44.3 | 4.27 |
| Stornoway | 51.0 | 40.5 | 45.6 | 44.5 | 5.04 |
| Wick | 51.7 | 40.5 | 46.3 | 44.6 | 3.02 |
| Nairn | 51.9 | 40.8 | 44.8 | 42.9 | 2.33 |
| Aberdeen | 52.5 | 41.4 | 45.6 | 43.6 | 2.87 |
| Leith | 54.7 | 41.8 | 46.7 | 44.9 | 1.97 |
| Shields | 53.2 | 42.7 | 47.2 | 45.4 | 2.48 |
| Spurn Head | 53.3 | 45.7 | 48.8 | 47.3 | 2.27 |
| York | 54.5 | 41.4 | 45.9 | 44.5 | 2.60 |
| Loughborough | 55.7 | 41.1 | 45.9 | 44.6 | 2.80 |
| Ardrossan | 53.7 | 43.7 | 47.8 | 45.8 | 3.87 |
| Mullaghmore | 54.2 | 45.7 | 49.1 | 46.9 | 4.75 |
| Donaghadee | 53.6 | 43.6 | 47.8 | 46.6 | 3.14 |
| Holyhead | 54.7 | 47.3 | 50.3 | 48.3 | 4.31 |
| Liverpool | 53.6 | 44.7 | 47.8 | 45.8 | 3.40 |
| Parsonstown | 54.8 | 41.0 | 46.2 | 44.6 | 3.16 |
| Valencia | 50.6 | 46.8 | 51.4 | 49.2 | 5.88 |
| Rocha's Point | 56.0 | 46.1 | 50.2 | 48.3 | 4.09 |
| Pembroke | 54.9 | 48.0 | 51.2 | 49.2 | 3.96 |
| Scilly | 50.6 | 50.2 | 53.7 | 51.6 | 3.70 |
| Frawle Point | 56.7 | 46.2 | 51.2 | 49.6 | 3.60 |
| Jersey | 58.2 | 48.6 | 53.3 | 50.7 | 4.45 |
| Hurst Castle | 57.1 | 45.8 | 50.8 | 49.2 | 3.26 |
| Dover | 56.1 | 46.2 | 50.2 | 48.2 | 3.22 |
| LONDON | 56.7 | 42.7 | 47.6 | 45.9 | 2.57 |
| Oxford | 56.5 | 42.2 | 46.2 | 44.9 | 2.56 |
| Cambridge | 50.5 | 41.0 | 46.4 | 45.3 | 2.27 |
| Yarmouth | 54.3 | 44.6 | 49.0 | 47.6 | 2.93 |

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 30.0 in: and upwards, in the southern parts of ^{the} Spanish Peninsula.

Lowest, 29.2 in: and less, in a depression lying to the northward of our Islands.

Gradients moderate over Scotland and the northern part of the North Sea, but slight elsewhere. Barometer rising at all but the Swedish and southern French stations.

TEMPERATURE

Highest, 60° at Lisbon, 58° at Jersey, 57° at Lorient, and 56° at Dungeness, the North Foreland, Brest and Nice.

Lowest, (1) 44° at Carnarvon, 46° at Donaghadee, and 47° at York and Loughborough; (2) 46° at Vassar, and 49° at Hov, Helsingfors and Christianund.

The maxima registered yesterday were a little above 60° in many parts of England and Ireland.

WIND

Light from the Wnd in the northwest of our Islands, and from the NWnd on our southwest coasts, but Snd or SWnd in most other parts of the United Kingdom, as well as over the Netherlands, Denmark, and the greater part of Scandinavia.

Cyclonic circulation reported in the west of France; variable breezes in the south of that country.

WEATHER

Fine over the greater part of our Islands, as well as in Denmark, the Netherlands, and the south of Scandinavia.

Dull in Sweden, Germany, and France, with rain in many places.

Shower fell yesterday in many parts of the United Kingdom, and considerable falls of rain at some of the French stations. Lightning was seen at Jersey, Helsingfors.

SEA

Moderate to smooth generally, but rather rough at Skudenare and Valeneir, as well as in the Bay of Biscay.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

For the 24 hours ending at NOON on 7th Oct^r 1893.

DISTRICTS.

FORECASTS.

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

None issued

DISTRICTS.

FORECASTS.

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

None issued.

WARNINGS

None issued.

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 ... | 29.26 | 57 | 54 | S | 8 | c | 5 | Valencia ... | 29.34 | 58 | 55 | WSW | 5 | bcmg | 5 |
| Sumburgh Head ... | 28.95 | 53 | 51 | SSE | 3 | c | 4 | Scilly ... | 29.40 | 60 | 55 | WNW | 4 | bc | 5 |
| Stornoway ... | 28.79 | 54 | 52 | W | 6 | r | 5 | Jersey ... | 29.47 | 61 | 55 | WSW | 6 | bc | 6 |
| Aberdeen ... | 29.00 | 55 | 49 | S | 3 | bcmg | 4 | Hurst Castle ... | 29.39 | 62 | 55 | WSW | 5 | bc | 4 |
| Shields ... | 29.13 | 54 | 50 | SW | 3 | cp | 2 | Dungeness ... | 29.35 | 61 | 58 | W | 6 | bcmg | 5 |
| Ardrossan ... | 29.06 | 52 | 50 | SW | 4 | c | 3 | North Foreland ... | 29.32 | 61 | 59 | W | 5 | c | 4 |
| Malin Head ... | 29.06 | 56 | 52 | W | 5 | c | 4 | London ... | 29.34 | 63 | 55 | W | 3 | bc | * |
| Mullaghmore ... | | | | | | | | Yarmouth ... | 29.30 | 59 | 55 | SW | 4 | bc | 4 |
| Belmullet ... | 29.22 | 57 | 52 | WNW | 4 | bc | * | Rocheport ... | 29.58 | 65 | 59 | WSW | 5 | bc | * |
| Holyhead ... | 29.22 | 58 | 54 | WSW | 4 | b | 3 | | | | | | | | |

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

Continental Information will appear on Tuesday'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

Monday, 2nd October

1893

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. |
| | | Inch. | ° | | | | Inch. | ° | ° | ° | | | | | | | ° | Inch. | | |
| SCANDINAVIA. | Haparanda ... | 29.76 | 47 | S | 2 | 0 | 29.94 | +16 | 45 | 44 | -1 | SW | 4 | 0 | # | 0 | 50 | 45 | 0.63 | |
| | Hernösand ... | 29.76 | 50 | S | 2 | bc | 29.82 | +28 | 43 | 42 | -6 | Z | 0 | 0 | # | bc | 52 | 37 | 0.04 | |
| | Stockholm ... | 29.84 | 53 | Z | 0 | 0 | 29.63 | -02 | 52 | 52 | -4 | SE | 4 | r | # | 0 | 61 | 50 | 0.24 | |
| | Wisby ... | 29.84 | 50 | SSW | 4 | 0 | 29.58 | -14 | 54 | 53 | -1 | S | 6 | r | # | 0 | 61 | 50 | 0.12 | |
| | Bodö ... | 29.56 | 51 | SE | 4 | c | 29.72 | +20 | 49 | 45 | -4 | E | 2 | b | 1 | c | 50 | 45 | 0.08 | |
| | Christiansund... | 29.54 | 52 | Z | 0 | b | 29.65 | +10 | 47 | 44 | -3 | Z | 0 | bc | 2 | b | 55 | 45 | - | |
| | Skudesnaes ... | 29.66 | 54 | S | 7 | 0 | 29.63 | +20 | 52 | 49 | -3 | SSE | 2 | 0 | 3 | 0 | 57 | 48 | - | |
| | Christiania Fjord (Færd) | 29.70 | 55 | S | 3 | b | 29.60 | +07 | 51 | 50 | -1 | NNE | 4 | r | 1 | b | 55 | ? | - | |
| | Skagen (The Scaw) | 29.72 | 53 | SW | 1 | c | 29.52 | -06 | 51 | 51 | 0 | NNE | 2 | 0 | 1 | c | 57 | 50 | 0.12 | |
| | Fanö ... | 29.68 | 52 | ENE | 2 | 0 | 29.59 | -02 | 52 | 52 | -1 | NW | 2 | 0 | # | 0 | 63 | 50 | - | |
| BRITISH ISLANDS. | Sumburgh Head | 29.34 | 49 | W | 3 | c | 29.40 | +20 | 50 | 49 | -1 | SSE | 1 | b | 3 | c | 54 | 46 | 0.03 | |
| | Stornoway ... | 29.32 | 51 | W | 4 | 0 | 29.33 | +14 | 46 | 45 | -1 | SW | 4 | c | 4 | c, v | 55 | 41 | 0.15 | |
| | Wick ... | 29.40 | 54 | SW | 2 | bc | 29.42 | +18 | 51 | 51 | 0 | SW | 3 | bc | 1 | bc | 57 | 47 | - | |
| | Nairn ... | 29.40 | 50 | Z | 0 | b | 29.39 | +15 | 51 | 49 | -2 | Z | 0 | bc | 1 | bc | 59 | 43 | - | |
| | Aberdeen ... | 29.48 | 51 | SSW | 2 | bc | 29.47 | +13 | 48 | 46 | -2 | SSW | 2 | bmw | 2 | bc | 60 | 42 | - | |
| | Leith ... | 29.51 | 52 | SW | 1 | 0 | 29.46 | +05 | 49 | 47 | -2 | SSW | 2 | bcw | # | 0 | 60 | 45 | 0.01 | |
| | Shields ... | 29.57 | 58 | SW | 2 | b | 29.53 | +07 | 47 | 46 | -1 | S | 3 | c/p | 2 | bc | 63 | 42 | - | |
| | Spurn Head ... | 29.61 | 56 | SW | 2 | bcw | 29.57 | +02 | 52 | 50 | -2 | SSW | 2 | bw | 2 | bc | 64 | 48 | - | |
| | York ... | 29.60 | 55 | WSW | 1 | b | 29.58 | +04 | 40 | 40 | 0 | S | 1 | f | # | b | 62 | 38 | - | |
| | Loughborough | 29.64 | 53 | NW | 1 | b | 29.63 | +05 | 41 | 41 | 0 | SE | 1 | b/w | # | b | 67 | 35 | - | |
| GERMANY & HOLLAND. | Ardrossan ... | 29.50 | 54 | SSW | 2 | c | 29.44 | +04 | 53 | 51 | -2 | S | 4 | 0 | 3 | c/p | 58 | 50 | 0.02 | |
| | Malin Head ... | 29.48 | 52 | SW | 4 | 0 | 29.38 | +01 | 48 | 46 | -2 | S | 4 | 0 | 2 | c, op | 56 | 47 | 0.12 | |
| | Mullaghmore ... | 29.62 | 53 | SW | 3 | c | 29.40 | -10 | 52 | 49 | -3 | SW | 3 | 0 | # | c/p | 57 | 49 | 0.16 | |
| | Belmullet ... | 29.55 | 51 | WSW | 4 | c | 29.48 | +01 | 46 | 45 | -1 | SW | 3 | c | 2 | c | 64 | 45 | 0.08 | |
| | Liverpool (Bidston) | 29.63 | 54 | Z | 0 | b | 29.55 | -00 | 51 | 48 | -3 | SE | 1 | c | 1 | b | 59 | 46 | - | |
| | Holyhead ... | 29.60 | 55 | SW | 2 | b | 29.52 | -08 | 53 | 51 | -2 | SSW | 1 | bc | 2 | b | 62 | 50 | - | |
| | Parsonstown ... | 29.61 | 54 | W | 1 | bc | 29.50 | -11 | 46 | 45 | -1 | SW | 1 | bc | # | bc | 59 | 44 | - | |
| | Valencia ... | 29.68 | 52 | W | 2 | c | 29.53 | -15 | 54 | 52 | -2 | SSW | 4 | c | 4 | c | 58 | 48 | 0.12 | |
| | Roche's Point | 29.66 | 55 | W | 2 | bc | 29.60 | +04 | 50 | 49 | -1 | W | 2 | bc | 3 | bc | 60 | 48 | 0.02 | |
| | Pembroke (St. Ann's Hd.) | 29.65 | 56 | W | 3 | bc | 29.57 | +01 | 54 | 50 | -4 | W | 4 | bc | 3 | bc | 58 | 52 | 0.05 | |
| FRANCE AND BELGIUM. | Scilly ... | 29.71 | 57 | NW | 3 | bc | 29.64 | +06 | 57 | 53 | -4 | WNW | 4 | c/p | 3 | bc | 60 | 52 | 0.01 | |
| | Prawle Point ... | 29.70 | 53 | WSW | 3 | b | 29.66 | +07 | 52 | 52 | 0 | WSW | 3 | c/p | 2 | b, p | 59 | 50 | 0.01 | |
| | Jersey (St. Aubin's) | 29.69 | 58 | NW | 3 | bc | 29.71 | +10 | 57 | 54 | -3 | WSW | 5 | bc | 4 | c | 63 | 52 | 0.11 | |
| | Hurst Castle ... | 29.68 | 59 | WSW | 2 | b | 29.67 | +07 | 56 | 55 | -1 | WSW | 2 | p | 3 | b | 65 | 44 | 0.04 | |
| | Dungeness ... | 29.65 | 60 | WSW | 2 | b | 29.65 | +03 | 55 | 54 | -1 | SW | 3 | c | 2 | bc, r | 66 | 53 | 0.49 | |
| | North Foreland | 29.64 | 58 | SW | 1 | b | 29.63 | +01 | 54 | 52 | -2 | SSW | 1 | c | 2 | bc, b | 62 | 54 | 0.09 | |
| | London ... | 29.65 | 58 | SW | 1 | b | 29.66 | +05 | 50 | 49 | -1 | W | 1 | b | # | bc, b, w | 66 | 45 | 0.11 | |
| | Oxford ... | 29.68 | 53 | SW | 1 | b | 29.64 | +04 | 47 | 46 | -1 | SSE | 1 | f | # | b, p | 65 | 42 | 0.01 | |
| | Cambridge ... | 29.65 | 54 | SSE | 2 | b | 29.64 | +02 | 50 | 49 | -1 | SSE | 1 | b | # | b | 67 | 45 | - | |
| | Yarmouth ... | 29.64 | 57 | S | 2 | b | 29.62 | +02 | 54 | 52 | -2 | SW | 1 | b | 2 | b | 60 | 48 | - | |
| PENIN- SULA. | Cuxhaven ... | 29.74 | 56 | Z | 0 | c | 29.67 | -07 | 55 | 54 | -1 | W | 2 | bc | # | c | 59 | 49 | - | |
| | Berlin ... | 29.52 | 55 | Z | 0 | r | 29.73 | +21 | 51 | 50 | -1 | SW | 4 | r | # | r | 64 | 50 | 0.32 | |
| | Wiesbaden ... | * | * | * | * | * | 29.81 | +07 | 53 | 52 | -1 | W | 1 | 0 | # | * | 59 | 52 | 0.59 | |
| | Munich ... | 29.79 | 48 | SW | 6 | r | 29.92 | +13 | 49 | 48 | -1 | SE | 4 | b | # | r | 55 | 43 | 0.16 | |
| | The Helder ... | 29.77 | 56 | SW | 1 | b | 29.71 | +04 | 50 | 49 | -1 | S | 1 | c | 1 | b | ? | 45 | - | |
| | Brussels (9 a.m.) | * | * | * | * | * | 29.74 | +05 | 50 | 49 | -1 | SSE | 1 | b | # | bc | 64 | 45 | - | |
| | Cape Gris Nez | 29.69 | 53 | SE | 2 | b | 29.63 | +04 | 53 | 52 | -1 | SSE | 2 | 0 | 2 | b | 66 | 50 | 0.08 | |
| | Paris ... | 29.72 | 54 | SSE | 1 | b | 29.78 | +06 | 52 | 51 | -1 | SSW | 2 | 0 | # | b | 61 | 47 | 0.08 | |
| | Brest ... | ? | 58 | NW | 3 | c | ? | ? | 57 | 53 | -4 | W | 4 | c | 4 | c | 61 | 52 | - | |
| | Lorient ... | 29.75 | 57 | NW | 3 | c | 29.77 | +02 | 57 | 54 | -3 | WSW | 5 | c | 4 | c | 63 | 52 | - | |
| FRANCE AND BELGIUM. | Rochefort ... | 29.71 | 61 | WNW | 4 | bc | 29.82 | +11 | 55 | 54 | -1 | W | 1 | 0 | 0 | bc, cl | 66 | 52 | 0.75 | |
| | Belfort ... | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | |
| | Lyons ... | 29.83 | 53 | S | 1 | bc | 29.93 | +10 | 51 | 48 | -3 | SW | 1 | c | # | bc | 61 | 50 | 0.20 | |
| | Nice ... | 29.71 | 61 | SW | 4 | b | 29.84 | +13 | 58 | 49 | -9 | E | 1 | b | 2 | b | 70 | 54 | 0.04 | |
| | Perpignan ... | 29.91 | 54 | SW | 2 | 0 | 30.02 | +11 | 49 | 48 | -1 | W | 2 | b | # | 0 | 71 | 46 | 0.12 | |
| | Biarritz ... | 29.84 | 62 | WSW | 6 | r | 30.01 | +17 | 59 | 55 | -4 | WSW | 6 | r | 5 | r, cl | 64 | 54 | 0.47 | |
| PENIN- SULA. | Corunna ... | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | |
| | Lisbon ... | 30.22 | 60 | NW | 4 | b | 30.29 | +07 | 62 | 58 | -4 | NW | 2 | b | # | b | 68 | 57 | - | |

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. 2ND Oct: 1893.

EXPLANATION OF MAP

Changes since previous morning are stated in words.

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

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

During the 20 Years 1871—1890.

A hand-drawn weather map of the North Atlantic and Europe, showing isobars, pressure trends, and handwritten annotations. The map includes a low pressure system (L) over the North Atlantic and a high pressure system (H) over Europe. Isobars are labeled with values like 29.4, 29.5, 29.6, 29.7, 29.8, and 29.9. Handwritten notes include 'Barometer', 'rising', 'falling', 'slowly LOW', and 'HIG'.

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.

[illegible]

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 ins. and upwards in Spain and the extreme southwest of France; 29.9 ins. and upwards in the north of Sweden.
 Lowest, 29.4 ins. and less, in a depression lying to the northward of our Islands; 29.5 ins. and less, in another system lying over the south of Sweden.
 Gradients slight. Barometer falling in most parts of the United Kingdom, as well as in Denmark, North Germany, and the south of Scandinavia, rising elsewhere.

TEMPERATURE

Highest, 59° at Biarritz, 58° at Nice, 57° at Scilly, Jersey, Brest, and Lorient, and 56° at Hurst Castle.
 Lowest, (1) 40° at York, 41° at Loughborough, and 46° at Tromsø, Donaghadee and Cronstoun; (2) 43° at Haparanda, and 45° at Haparanda.
 The highest maxima registered over our Islands yesterday were 57° at Loughborough and Cambridge, and 66° in London.

WIND

Light to moderate from the S^W or S^W over the greater part of the United Kingdom, but W¹ in the southwest of England, and also in the west of France.
 S over the Netherlands and Central France; W¹ in the south of Denmark; E¹ (SE to NE) in the south of Scandinavia; variable over the northern parts of Scandinavia.

WEATHER

Fair over the greater part of the United Kingdom, but foggy over Central England, and showery on our extreme south and southwest coast.
 B. at most of the Continental stations, with rain in the south of Scandinavia, as well as at Brest and Biarritz.
 Showers fell yesterday in most parts of Ireland and England, and heavy rain at some of the French and Scandinavian stations.
 Thunderstorms occurred in the southwest of France, and thunder was heard in London.

SEA

Slight or smooth generally, but rather rough at Biarritz.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Further depressions are approaching our western coasts, and unsettled, showery weather seems likely to continue in most districts, with freshening SW¹ winds in the west and south.

FORECASTS

For the 24 hours ending at NOON on 3rd OCTOBER, 1893.

DISTRICTS.

FORECASTS.

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

S¹ winds, moderate; fair to unsettled and some showers.
 SW¹ winds, light to fresh; changeable, some showers.

DISTRICTS.

FORECASTS.

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

S¹ winds, freshening; cloudy, showery.
 W¹ to SW¹ winds, freshening; cloudy, showery.

Same as Nos 6 and 7.

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 ... | 29.51 | 57 | 53 | S | 6 | c | 5 | Valencia ... | | | | | | | |
| Sumburgh Head | | | | | | | | Scilly ... | | | | | | | |
| Stornoway ... | 29.29 | 55 | 52 | W | 4 | b | 4 | Jersey ... | 29.66 | 61 | 55 | WSW | 5 | c | 4 |
| Aberdeen ... | | | | | | | | Hurst Castle | | | | | | | |
| Shields ... | | | | | | | | Dungeness ... | 29.63 | 64 | 61 | WSW | 3 | bc | 2 |
| Ardrossan ... | | | | | | | | North Foreland ... | 29.68 | 62 | 57 | S | 2 | bc | 2 |
| Malin Head ... | 29.44 | 56 | 51 | WN | 5 | c | 3 | London ... | | | | | | | * |
| Mullaghmore ... | | | | | | | | Yarmouth ... | | | | | | | |
| Belmullet ... | 29.55 | 56 | 52 | SW | 3 | bc | * | Rochefort ... | 29.66 | 62 | 56 | WNW | 4 | c | * |
| Holyhead ... | 29.50 | 59 | 54 | WSW | 2 | b | 2 | | | | | | | | |

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

Weather in morning fine, but not settled, over the British Islands, the North Sea, and north of France, dull and unsettled over the Continent, with rain in many places, thunder and lightning at Donaghadee. Rain later over the southern parts of our Islands and the Continent, and some local falls in the northern and western parts of Scotland and Ireland; thunder in the southwest of London, shortly before one pm, and at Biarritz later.

Temperature in morning. Highest 75° to 81° on the southern side of the Mediterranean, but below 60° over Europe as a whole, and below 50° in many places. Lowest 39° at Archangel, 43° at Moscow, 44° at Pansovtoun, 46° at Odessa, Ulesborg, and Le Mans, 47° at Paris, Cambridge and York, 49° at Stornoway and Wick. Rising later to between 60° and 67° over Great Britain and France, and to 70° or more on the Riviera, falling below 40° over our north midland counties in the night.

Wind W² to NW², and light on our west and southwest coasts, S² in the east, and also over the northern parts of the Continent. Very light and variable over central Europe, E² in the south of Russia, strong and completely cyclonic over the northern parts of the Mediterranean. Beginning to back to SW² over the northwest of our Islands later, but seeing W² over England.

Barometer Highest 30.4 ins. and more to 29.9 ins. over Russia, and exceeding 30.0 ins. over the extreme south of the Spanish Peninsula. Lowest 29.2 ins. and less over the Shetlands and extreme north of Scotland, 29.6 ins. and less in a depression over the Gulf of Genoa. Rising slowly later over western Europe and the British Islands, and briskly over northern Europe.

SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD FROM THE 24TH TO 30TH SEPT. 1893.

The weather of last week was very changeable, with heavy falls of rain at some of our extreme northern and southern stations, and with showers of varying intensity in all other parts of the Kingdom.

At the commencement of the week an anticyclone lay over the southwest of our Islands, while depressions were found over Scandinavia and Denmark. The prevailing winds were therefore NW², and the weather showery and very cool, the maximum temperatures of the 24th being below 60° at all but our extreme southern stations, and below 50° in the north of Scotland.

After the 25th the anticyclone moved away to the SE² and S², and for the remainder of the week a series of depressions skirted our northwestern and northern coasts, the winds being therefore SW² and the weather fairly mild for the time of year. The first two or three depressions were of very little intensity, but on the 28th and 29th a system of considerable depth skirted the northwest of Scotland, the minimum pressures on the latter date being below 28.7 ins. A considerable increase of wind was therefore experienced over the whole Kingdom, with slight gales on some parts of our south coasts, and with squally, showery weather in all districts.

At the close of the week the depression was moving slowly northwards, and at the same time filling up. The winds were therefore moderating, but changeable, showery weather was still reported in many places, with a slight fall of temperature.

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 3rd OCTOBER.

1893

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.) | | | | | | | | | | FAST 24 HOURS. | | | |
|---------------------|-------------------------------|--|-----------|--------|------------------|----------|----------------------------------|---|-----------|-------------|--------------------------------|--------|------------------|----------|---------------|-------------|-------------|----------------|---------------------|--|--|
| | | BAROM. | | TEMP. | | WIND. | | BAROMETER. | | SHADE TEMP. | | | WIND. | | | | SHADE TEMP. | | Amount of Rainfall. | | |
| | | Reading at 32° F. and Sea Level. | Dry Bulb. | Direc. | 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. | Direc. | Force (0 to 12). | Weather. | Sea (0 to 9). | Weather. | Max. | Min. | | | |
| | | Inch. | ° | | | | Inch. | ° | ° | ° | | | | | | | ° | Inch. | | | |
| SCANDINAVIA. | Haparanda ... | 29.78 | 50 | SSE | 4 | 0 | 29.61 | - .33 | 48 | 48 | - 3 | S | 6 | r | # | 0 | 52 | 45 | 0.67 | | |
| | Hernösand ... | 29.45 | 50 | SE | 8 | 0 | 29.68 | - .14 | 49 | 46 | - 6 | SW | 2 | b | # | 0 | 50 | 37 | 0.95 | | |
| | Stockholm ... | 29.44 | 50 | SE | 6 | r | 29.86 | + .23 | 49 | 48 | - 3 | SE | 2 | 0 | # | r | 57 | 48 | 0.24 | | |
| | Wisby ... | | | | | | | | | | | | | | | | | | | | |
| | Bodö ... | 29.63 | 49 | E | 4 | 0 | 29.61 | - .11 | 46 | 45 | - 3 | SSW | 2 | r | # | 0 | 54 | 45 | 0.43 | | |
| | Christiansund... | 29.47 | 49 | NE | 1 | b | 29.59 | - .06 | 46 | 44 | - 1 | E | 2 | b | 3 | r | 54 | 45 | - | | |
| | Skudesnaes ... | 29.52 | 54 | SSE | 4 | r | 29.46 | - .17 | 53 | 51 | + 1 | SE | 6 | r | 4 | r | 57 | 48 | - | | |
| | Christiania Fjord (Farder) | 29.50 | 53 | W | 5 | 0 | 29.66 | + .06 | 51 | 51 | 0 | SE | 5 | 0 | 2 | 0 | 54 | 51 | 0.32 | | |
| | Skagen (The Scaw) | 29.50 | 50 | W | 3 | c | 29.59 | + .07 | 53 | 52 | + 2 | SE | 3 | c | 0 | c | 54 | 48 | 0.32 | | |
| | Fanö ... | 29.60 | 52 | WSW | 4 | b | 29.47 | - .12 | 51 | 50 | - 1 | SSE | 4 | c | # | b | 61 | 50 | - | | |
| BRITISH ISLANDS. | Sumburgh Head | 29.33 | 51 | SSE | 1 | 0 | 29.25 | - .15 | 52 | 51 | + 2 | E | 2 | 0 | 3 | b, 0 | 55 | 49 | - | | |
| | Stornoway ... | 29.21 | 48 | SW | 4 | 0 | 29.13 | - .20 | 45 | 45 | - 1 | Z | 0 | 0 | 3 | 0 | 54 | 47 | 0.15 | | |
| | Wick ... | 29.29 | 52 | SW | 3 | be | 29.18 | - .24 | 51 | 50 | - 0 | SW | 3 | be | 2 | be | 58 | 49 | - | | |
| | Nairn ... | 29.25 | 50 | ESE | 2 | be | 29.15 | - .24 | 45 | 44 | - 6 | Z | 0 | c | 0 | be | 60 | 37 | 0.07 | | |
| | Aberdeen ... | 29.33 | 51 | SSE | 3 | be | 29.19 | - .28 | 43 | 42 | - 5 | WNW | 1 | c, m | 2 | c, be, l | 54 | 40 | - | | |
| | Leith ... | 29.30 | 49 | S | 2 | be | 29.19 | - .27 | 45 | 43 | - 4 | W | 3 | c | # | be | 59 | 42 | 0.04 | | |
| | Shields ... | 29.34 | 54 | SSW | 2 | 0 | 29.22 | - .31 | 46 | 44 | - 1 | SW | 2 | c | 2 | c, 0, l, r | 59 | 41 | 0.02 | | |
| | Spurn Head ... | 29.40 | 54 | SSE | 3 | c | 29.26 | - .31 | 48 | 46 | - 4 | W | 3 | c | 3 | c, r | 62 | 47 | 0.06 | | |
| | York ... | 29.40 | 50 | S | 1 | c | 29.27 | - .31 | 46 | 44 | + 6 | W | 1 | b | # | c | 60 | 39 | 0.02 | | |
| | Loughborough | 29.43 | 51 | S | 2 | c | 29.35 | - .28 | 45 | 42 | + 4 | W | 2 | be | # | c | 64 | 41 | - | | |
| GERMANY & HOLLAND. | Ardrossan ... | 29.25 | 52 | SW | 2 | op | 29.20 | - .24 | 48 | 46 | - 5 | S | 1 | c | 1 | op | 55 | 46 | 0.24 | | |
| | Malin Head ... | 29.24 | 46 | WNW | 2 | op | 29.15 | - .23 | 44 | 43 | - 4 | S | 4 | op | 2 | op | 53 | 44 | 0.25 | | |
| | Mullaghmore ... | | | | | | | | | | | | | | | | | | | | |
| | Belmullet ... | 29.34 | 50 | W | 5 | c | 29.15 | - .25 | 46 | 45 | - 6 | W | 4 | 0 | # | op, c | 52 | 45 | 0.35 | | |
| | Donaghadee ... | 29.29 | 48 | SSW | 3 | 0 | 29.24 | - .24 | 42 | 41 | - 4 | SW | 3 | b | 1 | 0 | 57 | 42 | 0.05 | | |
| | Liverpool (Bldston) | 29.37 | 52 | S | 2 | r | 29.31 | - .24 | 48 | 45 | - 3 | SW | 2 | be | 3 | r | 57 | 44 | 0.45 | | |
| | Holyhead ... | 29.32 | 54 | SW | 3 | c | 29.30 | - .22 | 51 | 47 | - 2 | WSW | 1 | b | 2 | c | 60 | 47 | 0.02 | | |
| | Parsonstown ... | 29.38 | 46 | SW | 1 | c | 29.26 | - .24 | 45 | 43 | - 1 | WSW | 1 | c | # | or | 55 | 40 | 0.18 | | |
| | Valencia ... | 29.51 | 50 | W | 5 | q, m, p | 29.40 | - .13 | 53 | 50 | - 1 | WSW | 5 | c | 5 | p, q, m, r | 55 | 48 | 0.24 | | |
| | Roche's Point | 29.47 | 50 | WNW | 4 | b | 29.42 | - .18 | 49 | 47 | - 1 | W | 3 | b | 3 | b, p, l | 56 | 45 | - | | |
| FRANCE AND BELGIUM. | Pembroke (St. Ann's Hd.) | 29.39 | 54 | W | 5 | r | 29.37 | - .20 | 53 | 48 | - 1 | WNW | 5 | be | 5 | r | 58 | 49 | 0.18 | | |
| | Scilly ... | 29.48 | 55 | WNW | 6 | c, p | 29.49 | - .15 | 55 | 50 | - 2 | WNW | 5 | c | 4 | op | 61 | 50 | 0.24 | | |
| | Prawle Point ... | 29.47 | 54 | W | 4 | be | 29.48 | - .18 | 59 | 58 | + 5 | WNW | 4 | be | 3 | be, p | 60 | 45 | 0.22 | | |
| | Jersey (St. Aubin's) | 29.52 | 58 | SSW | 3 | c, p, q | 29.54 | - .17 | 55 | 51 | - 2 | W | 5 | be | 4 | c, q, m, r | 63 | 49 | 0.33 | | |
| | Hurst Castle ... | 29.47 | 56 | SW | 4 | c, p | 29.45 | - .22 | 50 | 49 | - 6 | WNW | 4 | b | 4 | c, p, q | 60 | 46 | 0.36 | | |
| | Dungeness ... | 29.50 | 55 | SSW | 5 | c, r, q | 29.39 | - .26 | 51 | 49 | - 4 | WNW | 4 | b | 3 | c, r, q | 60 | 45 | 0.26 | | |
| | North Foreland | 29.51 | 55 | S | 3 | c, q | 29.35 | - .28 | 48 | 46 | - 6 | WNW | 5 | c, q | 4 | c, q | 62 | 47 | 0.06 | | |
| | London ... | 29.49 | 53 | WSW | 2 | be | 29.41 | - .25 | 46 | 44 | - 4 | W | 2 | be | # | c, r, l, be | 62 | 43 | 0.06 | | |
| | Oxford ... | 29.41 | 48 | SSW | 1 | r | 29.40 | - .24 | 45 | 43 | - 2 | W | 1 | b | # | p | 61 | 41 | 0.32 | | |
| | Cambridge ... | 29.45 | 54 | SSE | 1 | be | 29.36 | - .28 | 46 | 45 | - 4 | WSW | 5 | b | # | be | 64 | 43 | 0.11 | | |
| PENINSULA. | Yarmouth ... | 29.48 | 57 | SSW | 3 | b | 29.29 | - .33 | 49 | 48 | - 5 | WNW | 3 | c, m | 3 | b, l | 61 | 46 | 0.14 | | |
| | Cuxhaven ... | 29.69 | 54 | SSW | 2 | c | 29.52 | - .15 | 51 | 50 | - 4 | SSE | 2 | b | # | c | 59 | 50 | - | | |
| | Berlin ... | 29.80 | 54 | S | 2 | b | 29.61 | - .12 | 50 | 48 | - 1 | SE | 2 | b | # | b | 63 | 48 | 0.04 | | |
| | Wiesbaden ... | | | | | | 29.45 | - .36 | 49 | 46 | - 4 | Z | 0 | r | # | # | 59 | 48 | 0.04 | | |
| | Munich ... | 29.87 | 48 | SW | 5 | r | 29.63 | - .29 | 43 | 46 | - 1 | SE | 4 | c | # | r | 63 | 41 | 0.39 | | |
| | The Helder ... | 29.34 | 53 | S | 2 | c | 29.34 | - .37 | 50 | 49 | - 0 | SSE | 2 | c | 1 | c | 61 | 48 | 0.04 | | |
| | Brussels (9 a.m.) | # | # | # | # | # | 29.34 | - .40 | 48 | 48 | - 2 | WSW | 3 | r | # | b | 59 | 48 | 0.28 | | |
| | Cape Gris Nez | 29.53 | 58 | ? W | 5 | r | 29.36 | - .27 | 50 | 49 | - 3 | WNW | 6 | 0 | # | r | 57 | 45 | 1.14 | | |
| | Paris ... | 29.66 | 51 | SSE | 2 | c | 29.52 | - .26 | 49 | 46 | - 3 | SW | 3 | b | # | c | 7 | 48 | 1.14 | | |
| | Brest ... | ? | 35 | WNW | 3 | 0 | ? | ? | 54 | 52 | - 3 | W | 4 | c | 4 | 0 | 61 | 48 | 0.32 | | |
| PENINSULA. | Lorient ... | 29.57 | 58 | WSW | 4 | r | 29.63 | - .14 | 57 | 51 | - 0 | W | 5 | c | 4 | r | 66 | 52 | 0.20 | | |
| | Rochefort ... | 29.61 | 56 | SSW | 5 | r | 29.67 | - .15 | 59 | 54 | + 4 | WNW | 5 | c | # | b, l, r | 64 | 54 | 0.55 | | |
| | Belfort ... | | | | | | | | | | | | | | | | | | | | |
| | Lyons ... | 29.90 | 56 | SSW | 2 | r | ? | ? | 53 | 47 | + 2 | SW | 2 | b | # | r | 55 | ? | 0.08 | | |
| | Nice ... | 29.82 | 60 | W | 2 | be | 29.74 | - .10 | 57 | 50 | - 1 | W | 2 | be | 2 | be | 70 | 54 | - | | |
| | Perpignan ... | 29.94 | 60 | SE | 2 | c | 29.89 | - .13 | 62 | 54 | + 13 | WNW | 4 | c | # | c | 72 | ? | - | | |
| | Biarritz ... | 29.85 | 59 | SW | 5 | r | 29.86 | - .15 | 63 | 57 | + 4 | WSW | 6 | r | 5 | r | 68 | 57 | 0.47 | | |
| | Corunna ... | | | | | | | | | | | | | | | | | | | | |
| | Lisbon ... | 30.28 | 63 | SW | 1 | b | 30.21 | - .08 | 65 | 62 | + 3 | W | 4 | be | # | b | 70 | 61 | - | | |

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, 3rd Oct: 1893.

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:

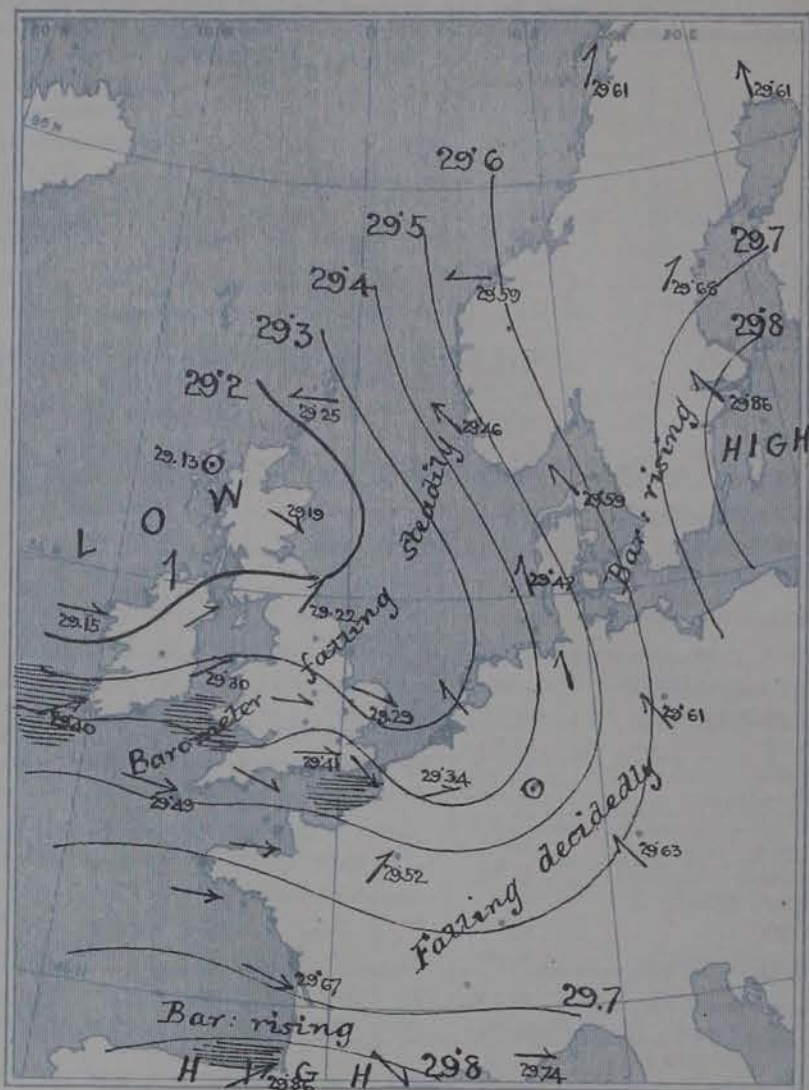
▨ = Rough. ▩ = High.

MEAN HEIGHT OF THE BAROMETER

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

During the 20 Years 1871—1890.

| STATIONS. | MEAN READINGS. |
|---------------|----------------|
| Sumburgh Head | 29.726 |
| Sornoway | 29.758 |
| Wick | 29.763 |
| Nairn | 29.779 |
| Aberdeen | 29.793 |
| Leith | 29.822 |
| Shields | 29.846 |
| Spurn Head | 29.867 |
| York | 29.882 |
| Loughborough | 29.904 |
| Ardrossan | 29.831 |
| Mullaghmore | 29.845 |
| Donaghadee | 29.850 |
| Holyhead | 29.872 |
| Liverpool | 29.879 |
| Parsonstown | 29.897 |
| Valencia | 29.896 |
| Roche's Point | 29.892 |
| Pembroke | 29.888 |
| Scilly | 29.910 |
| Prawle Point | 29.931 |
| Jersey | 29.925 |
| Hurst Castle | 29.922 |
| Dover | 29.916 |
| LONDON | 29.923 |
| Oxford | 29.924 |
| Cambridge | 29.912 |
| Yarmouth | 29.894 |



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 October.)

| STATIONS. | TEMPERATURE | | | | RAINFALL (Inches.) |
|---------------|---------------|---------------|-------------------|------|-----------------------|
| | Daily Max. | Daily Min. | Dry. at 8 a.m. | Wet. | |
| Sumburgh Head | 49.8 | 41.6 | 46.0 | 44.3 | 4.27 |
| Sornoway | 51.0 | 40.5 | 45.0 | 44.5 | 5.04 |
| Wick | 51.7 | 40.5 | 46.3 | 44.6 | 3.02 |
| Nairn | 51.9 | 40.8 | 44.8 | 42.9 | 2.38 |
| Aberdeen | 52.5 | 41.4 | 45.6 | 43.6 | 2.87 |
| Leith | 54.7 | 41.8 | 46.7 | 44.9 | 1.97 |
| Shields | 53.2 | 42.7 | 47.2 | 45.4 | 2.48 |
| Spurn Head | 53.3 | 45.7 | 48.8 | 47.3 | 2.27 |
| York | 54.5 | 41.4 | 45.9 | 44.5 | 2.60 |
| Loughborough | 55.7 | 41.1 | 45.0 | 44.6 | 2.80 |
| Ardrossan | 53.7 | 43.7 | 47.8 | 45.8 | 3.87 |
| Mullaghmore | 54.2 | 45.7 | 49.1 | 46.9 | 4.75 |
| Donaghadee | 53.6 | 43.0 | 47.8 | 46.6 | 3.14 |
| Holyhead | 54.7 | 47.3 | 50.3 | 48.3 | 4.31 |
| Liverpool | 53.8 | 44.7 | 47.8 | 45.8 | 3.46 |
| Parsonstown | 54.8 | 41.0 | 46.2 | 44.5 | 3.16 |
| Valencia | 56.6 | 46.8 | 51.4 | 49.2 | 5.88 |
| Roche's Point | 56.0 | 46.1 | 50.2 | 48.3 | 4.60 |
| Pembroke | 54.9 | 48.0 | 51.2 | 49.2 | 3.00 |
| Scilly | 56.6 | 50.2 | 53.7 | 51.6 | 3.60 |
| Prawle Point | 56.7 | 48.2 | 51.2 | 49.6 | 3.60 |
| Jersey | 58.2 | 48.6 | 53.3 | 50.7 | 4.45 |
| Hurst Castle | 57.1 | 45.8 | 50.8 | 49.2 | 3.26 |
| Dover | 56.1 | 46.2 | 50.2 | 48.2 | 3.22 |
| LONDON | 56.7 | 42.7 | 47.5 | 45.9 | 2.57 |
| Oxford | 55.5 | 42.2 | 46.2 | 44.9 | 2.50 |
| Cambridge | 56.5 | 41.0 | 46.4 | 45.3 | 2.27 |
| Yarmouth | 54.3 | 44.6 | 49.0 | 47.6 | 2.92 |

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 | <p>Highest 29.8 ins. and more over the Baltic, and also over the Iberian Peninsula.</p> <p>Lowest 29.2 ins. and less over Scotland and the north of Ireland.</p> <p>Gradients moderate, but very irregular.</p> <p>Barometer still falling throughout our Islands.</p> |
| TEMPERATURE | <p>Highest 62° to 63° in the southwest of France, 50° and more at most of our Channel Stations ^{at Valencia}.</p> <p>Lowest 42° at Donaghadee, 43° at Aberdeen, and 46° in the northwest of Norway.</p> <p>The maxima again exceeded 60° over England yesterday, and were as high as 70° to 72° in the south of France.</p> |
| WIND | <p>W² to NW², moderate to fresh over Ireland, England, the Channel and Bay of Biscay; SE² moderate, on the eastern shores of the North Sea.</p> <p>It blew with the force of a fresh gale from WNW. at Scilly late last night.</p> |
| WEATHER | <p>Though clear in many parts of England, is in a very changeable, unsettled condition generally; rain is falling at several of the northern stations.</p> <p>Rain has fallen at almost all stations during the past day, and in the northeast of France the fall has been heavy (1.1 ins). Thunder and lightning have occurred at our southwestern and southern stations, and at Shields.</p> |
| SEA | <p>Rough on the north coast of France, rather rough on our southwestern coasts, moderate at our Channel stations, smooth in the north.</p> |

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

A continuation of changeable showery weather is probable, as further secondary depressions are advancing over our Islands from the Atlantic.

FORECASTS

For the 24 hours ending at NOON on 4th October 1893.

| DISTRICTS. | FORECASTS. | DISTRICTS. | FORECASTS. |
|--------------------|--|------------------|---|
| 0 SCOTLAND NORTH | Varying S ¹ / ₂ to W ¹ / ₂ airs; rain at times, unsettled. | 6 SCOTLAND WEST | Same as N ^o 0 to 2. |
| 1 SCOTLAND EAST | | 7 ENGLAND N.W. | |
| 2 ENGLAND N.E. | | 8 ENGLAND S.W. | |
| 3 ENGLAND EAST | W ¹ / ₂ breezes, moderate to strong; squally, fair to very showery. | 9 IRELAND NORTH | W ¹ / ₂ winds, fresh; showery, unsettled. |
| 4 MIDLAND COUNTIES | | 10 IRELAND SOUTH | |
| 5 ENGLAND SOUTH | | | |
| | | WARNINGS | NONE ISSUED. |

etc.—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. | F. | WEA. | SEA. |
|--------------------|-------|-------|------|--------|----|------|------|--------------------|-------|-------|------|--------|----|------|------|
| | | Dry. | Wet. | Dirac. | | | | | | Dry. | Wet. | Dirac. | | | |
| Skudesnaes ... | 29.54 | 57 | 53 | SSE | 2 | c | 3 | Valencia ... | 29.47 | 50 | 49 | W | 6 | pg | 6 |
| Stonburgh Head ... | 29.37 | 53 | 51 | SSE | 1 | b | 3 | Scilly ... | 29.52 | 59 | 55 | W | 4 | cp | 3 |
| Stornoway ... | 29.26 | 50 | 49 | SW | 4 | o | 4 | Jersey ... | 29.62 | 62 | 66 | SW | 4 | bc | 4 |
| Aberdeen ... | 29.38 | 52 | 48 | SSE | 3 | c | 2 | Hurst Castle ... | 29.55 | 59 | 55 | SW | 3 | bc | 2 |
| Shields ... | 29.41 | 57 | 50 | SSW | 3 | c | 2 | Dungeness ... | 29.57 | 57 | 55 | WSW | 4 | sw | 3 |
| Ardrossan ... | 29.33 | 56 | 52 | S | 2 | c | 2 | North Foreland ... | 29.59 | 61 | 58 | W | 1 | bc | 2 |
| Malin Head ... | 29.27 | 52 | 48 | S | 4 | o | 2 | London ... | 29.54 | 59 | 52 | SW | 2 | c | * |
| Mullaghmore ... | | | | | | | | Yarmouth ... | 29.53 | 61 | 54 | SSW | 3 | b | 2 |
| Belmullet ... | 29.33 | 50 | 46 | NW | 3 | op | * | Rocheport ... | 29.75 | 61 | 57 | W | 5 | c | * |
| Holyhead ... | 29.40 | 57 | 52 | SW | 4 | c | 2 | | | | | | | | |

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

Weather fine over the greater part of the United Kingdom, but foggy over central England, and stormy on our extreme south and southwest coasts. Dull at many of the Continental stations, with rain in Denmark and the south of Scandinavia; fine in the west of Norway, Finland and the Baltic Provinces, as well as over south Germany and the central and southern parts of Spain. Showers falling during day over nearly the whole of our Islands, and heavy rain at some of the French and Scandinavian stations; lightning seen in many parts of Great Britain, and thunder occurring at Roches Pt., Harst Castle and Rocheport.

Temperature changed very irregularly. Morning readings highest 39° at Arindisi, 78° at Malta, 77° at Palermo and Spese, and 72° at Caronna and Amale; above 60° over southern Europe generally, and above 55° over the English Channel. Lowest (1) 40° at York, and 44° at Langborough; (2) 41° at Moscow, 43° at Hermsund, and 45° at Haparanda; below 50° at several of the more northern stations in our Islands and the Continent. Rising during day to 60° or a little more in most parts of England and Germany, exceeding 70° in the south of France.

Wind light to moderate from the S^W or S^W over the greater part of the United Kingdom, but W^W in the southwest of England, as well as in Spain, and the west and south of France. Well marked cyclonic circulation reported over Denmark, the Baltic and the south of Scandinavia, with strong winds at several of the Baltic stations. Light from the E^W or NE^W in the south of Russia, variable in Italy and Algeria. Subsequently veering to the W^W in Ireland, but backing to the S^W in the west of France.

Barometer highest 30.5 ins. and upwards in an anticyclone lying over central Russia; 30.2 ins. and upwards over the southern parts of Spain. Lowest 29.4 ins. and less in a large shallow depression lying to the NW of our Islands; 29.5 ins. and less in a smaller disturbance over the extreme S. of Sweden. Depression in NW, subsequently spreading E^W and SE^W over the United Kingdom and barometer falling in all parts of western Europe.

Remarks on the Weather for 24 hours ending 8 a.m. on Oct. 1st 1893

Weather in morning fine generally over the southeastern parts of Europe, cloudy and unsettled in the west and north, with rain in many places, fog over Russia. Rain falling in nearly all parts of Europe - the amounts being heaviest over the northern half of Italy and at the French stations; thunderstorms over the Riviera.

Temperature in morning exceeding 70° over Algeria, and exceeding 60° at many stations in the S of Europe, lower elsewhere. Below 50° over northern Europe and the northeast of England, and as low as 33° at Moscow, 35° at St. Petersburg, 38° at Archangel, and 40° at Ullaborg. Rising to 60° and more over many parts of our Islands later, to between 70° and 80° over Italy and the south of France, and to 90° and more over Algeria.

Wind W^W in the west of our Islands and over the Bay of Biscay, mainly S^W over the eastern half of England, the North Sea and Continental Europe; very variable over the Mediterranean. Moderate to fresh in force as a whole, but blowing a gale at Skudesnaes. Veering W^W over the southern half of England and north of France later and blowing rather strongly in the Channel, becoming S^W over the Riviera.

Barometer. Highest 30.2 ins. and more, to 30.0 ins. over Russia and southeastern Europe, and exceeding 29.9 ins. over the southern half of the Iberian Peninsula. Lowest 28.8 ins. and less over the Hebrides and neighbouring parts of the Atlantic; gradients moderate, but rather irregular. Rising during day except in the south of France, where a local disturbance began to appear.

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 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.

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" Weekly " " " £1 10 0 "

DAILY WEATHER REPORT.

for 8 a.m. on Wednesday, 4th October,

1893

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 ... | 29.88 | 45 | S | 6 | 6 | 29.76 | +15 | 44 | 44 | -4 | E | 2 | 0 | # | 6 | 50 | 44 | - |
| | Hernösand ... | 29.76 | 46 | W | 0 | f | 29.43 | -25 | 47 | 44 | -2 | NE | 4 | 1 | # | f | 55 | 46 | 0.35 |
| | Stockholm ... | 29.47 | 51 | E | 6 | f | 29.39 | -47 | 49 | 47 | 0 | SSW | 2 | 0 | # | f | 54 | 45 | 0.63 |
| | Wisby ... | | | | | | | | | | | | | | | | | | |
| | Bodö ... | 29.80 | 46 | SW | 3 | 0 | 29.64 | +03 | 46 | 43 | 0 | NE | 4 | 0 | 2 | 0 | 46 | 41 | 0.16 |
| | Christiansund... | 29.57 | 48 | E | 1 | 6 | 29.23 | -36 | 49 | 45 | +3 | ESE | 6 | 0 | 3 | 6 | 55 | 46 | - |
| | Skudesnaes ... | 29.35 | 54 | SE | 4 | 0 | 29.13 | -33 | 52 | 47 | -1 | E | 4 | 0 | 3 | 0 | 54 | 50 | - |
| | Christiania Fjord (Færd) | 29.51 | 52 | E | 5 | 0 | 29.21 | -45 | 49 | 47 | -2 | NE | 4 | 0 | 1 | 0 | 54 | 48 | - |
| | Skagen (The Scaw) | 29.38 | 53 | SE | 4 | 0 | 29.10 | -49 | 51 | 49 | -2 | SE | 3 | 0 | 1 | 0 | 55 | 50 | - |
| | Fanö ... | 29.20 | 53 | SSW | 6 | 0 | 29.24 | -23 | 50 | 46 | -1 | W | 6 | 1 | # | 0 | 63 | 50 | 0.83 |
| BRITISH ISLANDS. | Sumburgh Head | 29.18 | 51 | E | 3 | 0 | 29.18 | -07 | 52 | 50 | 0 | ESE | 4 | 0 | 5 | 0 | 55 | 49 | 0.01 |
| | Stornoway ... | 29.07 | 48 | NE | 2 | 6 | 29.00 | -13 | 41 | 40 | -4 | NE | 2 | 0 | 3 | c.b | 53 | 35 | 0.06 |
| | Wick ... | 29.08 | 48 | SE | 3 | 0 | 29.02 | -16 | 43 | 42 | -8 | W | 1 | 0 | 6 | 0 | 53 | 39 | 0.07 |
| | Nairn ... | 29.07 | 47 | W | 0 | 6 | 29.00 | -15 | 35 | 33 | -10 | W | 0 | 0 | 0 | 6 | 55 | 28 | - |
| | Aberdeen ... | 29.10 | 49 | SSW | 2 | bc | 29.00 | -19 | 43 | 42 | 0 | W | 1 | 0 | 3 | c.b.c.p | 54 | 36 | 0.04 |
| | Leith ... | 29.10 | 49 | SSW | 1 | 0 | 28.97 | -22 | 41 | 40 | -4 | SSW | 1 | 0 | # | 0 | 57 | 36 | - |
| | Shields ... | 29.15 | 52 | WSW | 2 | bc | 28.99 | -23 | 45 | 42 | -1 | S | 3 | 0 | 2 | c.b.c | 56 | 39 | - |
| | Spurn Head ... | 29.22 | 50 | SW | 3 | c | 29.08 | -18 | 48 | 46 | 0 | SW | 4 | 0 | # | c.v | 55 | 43 | - |
| | York ... | 29.21 | 50 | W | 1 | 6 | 29.05 | -22 | 45 | 43 | -1 | S | 1 | 0 | # | 6 | 56 | 37 | 0.04 |
| | Loughborough | 29.28 | 47 | SSW | 2 | bc | 29.13 | -22 | 46 | 45 | +1 | SSW | 3 | 0 | # | p.t.b.c | 59 | 41 | 0.03 |
| GERMANY & HOLLAND. | Ardrossan ... | 29.07 | 46 | ESE | 2 | 0 | 28.96 | -24 | 43 | 42 | -5 | NE | 1 | 0 | 1 | b.c.p.v | 54 | 39 | 0.48 |
| | Malin Head ... | 29.00 | 46 | SSW | 5 | op | 28.96 | -19 | 47 | 44 | +3 | N | 2 | 0 | 2 | p.o.b | 49 | 42 | 0.39 |
| | Mullaghmore ... | | | | | | | | | | | | | | | | | | |
| | Belmullet ... | 29.12 | 47 | WSW | 5 | c.p.q | 29.06 | -09 | 48 | 45 | +2 | WSW | 3 | 0 | # | 0.p.q | 52 | 44 | 0.01 |
| | Donaghadee ... | 29.11 | 46 | WSW | 3 | bc | 28.98 | -26 | 43 | 42 | +1 | WSW | 3 | 0 | 1 | b.c.q | 50 | 40 | 0.13 |
| | Liverpool (Bidston) | 29.21 | 46 | SW | 3 | f | 29.02 | -29 | 50 | 45 | +2 | SSW | 2 | 0 | 3 | 7 | 54 | 44 | 0.17 |
| | Holyhead ... | 29.18 | 47 | WSW | 2 | 6 | 29.03 | -27 | 50 | 47 | -1 | W | 5 | 0 | 5 | c.q.b | 56 | 46 | 0.12 |
| | Parsonstown ... | 29.20 | 50 | SW | 1 | f | 28.99 | -27 | 44 | 43 | -1 | S | 1 | 0 | # | c.r | 53 | 42 | 0.18 |
| | Valencia ... | 29.33 | 54 | WSW | 6 | c.q.m | 29.18 | -22 | 51 | 50 | -2 | WSW | 7 | 0 | 6 | c.q.p | 56 | 49 | 0.28 |
| | Roche's Point | 29.32 | 52 | W | 4 | bc | 29.18 | -24 | 48 | 46 | -1 | W | 3 | 0 | 3 | b.c.p | 56 | 45 | 0.05 |
| FRANCE AND BELGIUM. | Pembroke (St. Ann's Hd.) | 29.26 | 53 | W | 5 | bc | 29.19 | -18 | 52 | 48 | -1 | W | 6 | 0 | 6 | 6 | 56 | 49 | 0.06 |
| | Scilly ... | 29.41 | 55 | WSW | 5 | c | 29.29 | -20 | 53 | 50 | -2 | WSW | 6 | 0 | 4 | c.p | 58 | 49 | 0.11 |
| | Prawle Point ... | 29.38 | 53 | WSW | 4 | bc | 29.27 | -21 | 52 | 49 | -7 | WSW | 6 | 0 | 5 | bc | 59 | 48 | - |
| | Jersey (St. Aubin's) | 29.42 | 55 | W | 4 | b.c.p | 29.37 | -17 | 56 | 53 | +1 | SW | 5 | 0 | 4 | b.c.p | 59 | 51 | 0.10 |
| | Hurst Castle ... | 29.36 | 56 | WSW | 5 | b.c.p | 29.26 | -19 | 56 | 51 | +6 | W | 7 | 0 | 4 | b.c.p | 60 | 49 | 0.03 |
| | Dungeness ... | 29.33 | 55 | W | 4 | c | 29.26 | -13 | 53 | 50 | +2 | WSW | 4 | 0 | 3 | b.c.c.l | 61 | 48 | 0.01 |
| | North Foreland | 29.33 | 52 | WSW | 2 | 6 | 29.22 | -13 | 52 | 48 | +4 | W | 3 | 0 | 3 | b.c.l | 57 | 47 | - |
| | London ... | 29.33 | 50 | WSW | 2 | bc | 29.24 | -17 | 50 | 46 | +4 | W | 3 | 0 | # | b.c.b.l.w | 58 | 44 | - |
| | Oxford ... | 29.30 | 48 | SSW | 3 | bc | 29.21 | -19 | 47 | 46 | +2 | SSW | 2 | 0 | # | b.c.l | 57 | 44 | 0.08 |
| | Cambridge ... | 29.31 | 46 | WSW | 1 | c | 29.17 | -19 | 46 | 45 | 0 | S | 4 | 0 | # | c | 59 | 36 | 0.08 |
| PENINSULA. | Yarmouth ... | 29.29 | 52 | WSW | 2 | bc | 29.17 | -12 | 47 | 45 | -2 | SW | 3 | 0 | 3 | b.c.l | 55 | 41 | 0.01 |
| | Cuxhaven ... | 29.33 | 51 | SSW | 3 | bc | 29.25 | -27 | 42 | 41 | -9 | SSW | 4 | 0 | # | 6 | 59 | 42 | 0.20 |
| | Berlin ... | 29.44 | 52 | W | 5 | 6 | 29.44 | -17 | 47 | 44 | -3 | SSW | 3 | 0 | # | 6 | 63 | 43 | 0.04 |
| | Wiesbaden ... | | | | | | 29.43 | -02 | 48 | 47 | -1 | SW | 1 | 0 | # | # | 54 | 43 | 0.12 |
| | Munich ... | 29.67 | 43 | SW | 4 | 6 | 29.55 | -08 | 47 | 44 | -1 | S | 4 | 0 | # | 6 | 55 | 39 | - |
| | The Helder ... | 29.30 | 53 | WSW | 4 | t | 29.24 | -10 | 52 | 48 | +2 | SW | 4 | 0 | 3 | c.t | 54 | 46 | 0.55 |
| | Brussels (9 a.m.) | | | | | | 29.37 | +03 | 49 | 47 | +1 | SW | 5 | 0 | # | 0 | 56 | 45 | 0.04 |
| | Cape Gris Nez | | 55 | W | 5 | c | 29.28 | -08 | 50 | 49 | 0 | W | 4 | 1 | # | c | 57 | 46 | 0.51 |
| | Paris ... | 29.49 | 53 | S | 2 | 0 | 29.49 | -03 | 47 | 46 | -2 | SSW | 3 | 0 | # | 0 | 60 | 45 | 0.08 |
| | Brest ... | | 57 | WSW | 3 | c | | | 55 | 52 | +1 | WSW | 4 | 0 | # | c | 59 | 48 | - |
| PENINSULA. | Lorient ... | 29.50 | 57 | WSW | 4 | bc | 29.47 | -16 | 57 | 52 | 0 | W | 5 | 0 | # | bc | 61 | 54 | - |
| | Rochefort ... | 29.50 | 58 | SSW | 4 | 0 | 29.54 | -13 | 58 | 56 | -1 | W | 3 | 0 | # | r.v | 63 | 54 | 0.55 |
| | Belfort ... | | | | | | | | | | | | | # | # | # | # | # | |
| | Lyons ... | 29.56 | 58 | S | 3 | f | 29.64 | | 54 | 53 | +1 | W | 1 | 0 | # | f | 63 | 51 | 0.12 |
| | Nice ... | 29.66 | 60 | W | 6 | c | 29.75 | +01 | 60 | 54 | +3 | E | 2 | 0 | 2 | c | 68 | 52 | 0.32 |
| | Perpignan ... | 29.69 | 62 | E | 1 | 0 | 29.69 | -20 | 65 | 60 | +3 | WSW | 2 | 0 | # | 0 | 74 | 58 | 0.04 |
| | Biarritz ... | 29.65 | 66 | WSW | 6 | f | 29.69 | -17 | 55 | | -8 | WSW | 3 | 0 | 5 | f | 68 | | 1.14 |
| | Corunna ... | | | | | | | | | | | | | # | # | # | # | # | |
| | Lisbon ... | 30.13 | 66 | WSW | 4 | 0 | 30.03 | -18 | 65 | 63 | 0 | WSW | 4 | 0 | # | 0 | 72 | 63 | 0.08 |

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 4th Oct: 1893.

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.

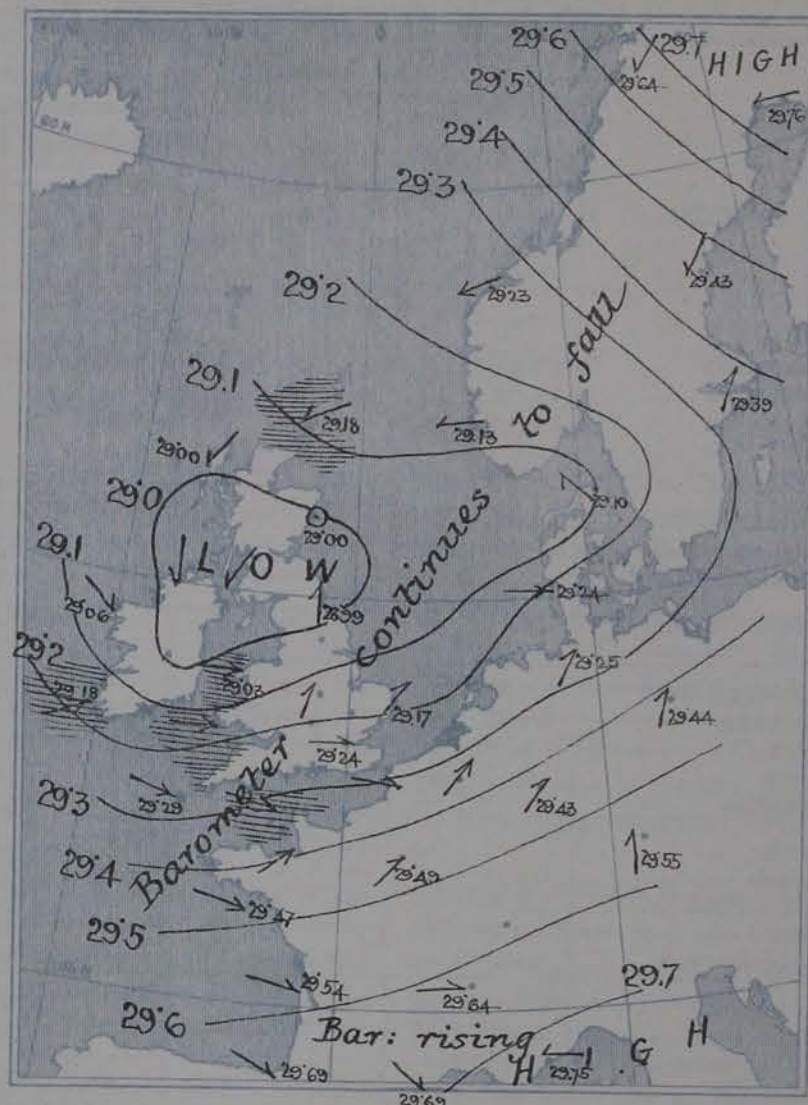
at 8.0 a.m. for the month of October.

During the 20 Years 1871—1890.

STATIONS.

MEAN READINGS.

| STATIONS. | MEAN READINGS. |
|---------------|----------------|
| Sunburch Head | 29.726 |
| Stornoway | 29.750 |
| Wick | 29.763 |
| Nairn | 29.779 |
| Aberdeen | 29.793 |
| Leith | 29.822 |
| Shields | 29.846 |
| Spurn Head | 29.867 |
| York | 29.882 |
| Loughborough | 29.904 |
| Ardsman | 29.831 |
| Mullaghmore | 29.845 |
| Donaghadee | 29.850 |
| Holyhead | 29.872 |
| Liverpool | 29.879 |
| Parsonstown | 29.897 |
| Valencia | 29.896 |
| Roch's Point | 29.892 |
| Pembroke | 29.888 |
| Seilly | 29.910 |
| Prawle Point | 29.931 |
| Jersey | 29.925 |
| Hurst Castle | 29.922 |
| Dover | 29.916 |
| LONDON | 29.923 |
| Oxford | 29.924 |
| Cambridge | 29.912 |
| Yarmouth | 29.894 |



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.

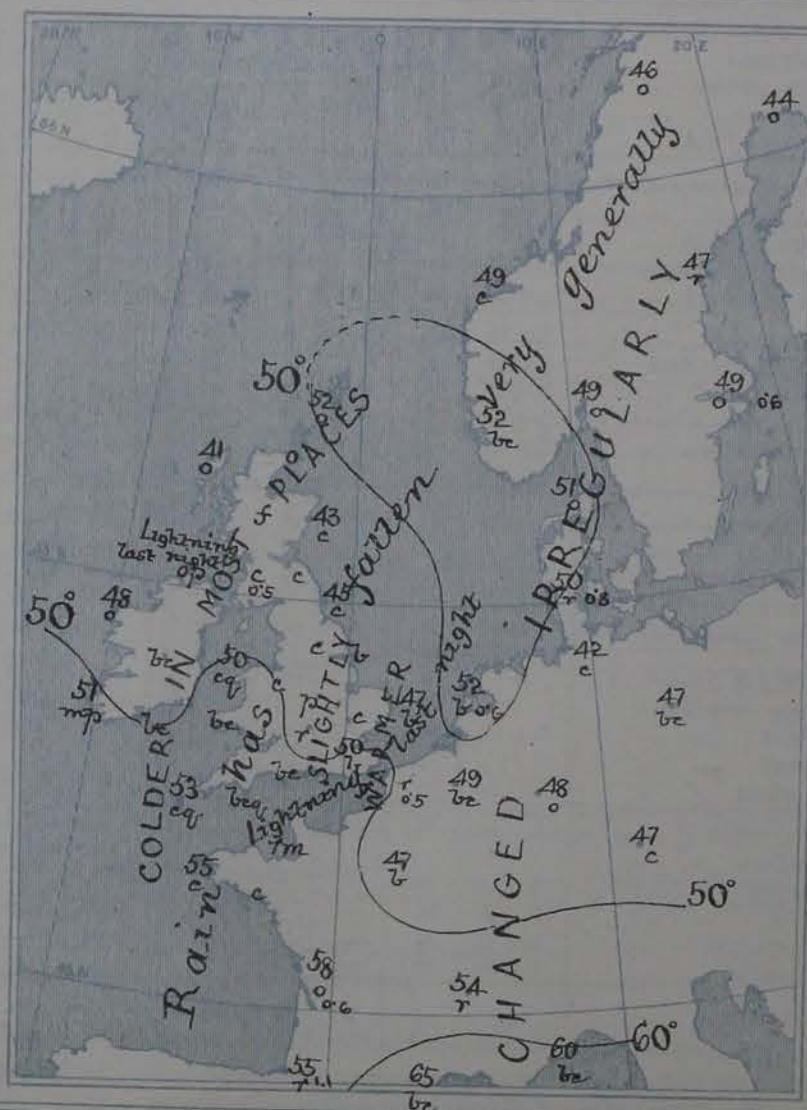
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of October.)

| STATIONS. | TEMPERATURE | | | | RAINFALL (Inches.) |
|---------------|---------------|---------------|------------------|------|-----------------------|
| | Daily Max. | Daily Min. | Dry at 8 a.m. | Wet | |
| Sunburch Head | 49.8 | 41.6 | 40.0 | 44.3 | 4.27 |
| Stornoway | 51.0 | 40.5 | 43.8 | 44.5 | 5.04 |
| Wick | 51.7 | 40.5 | 46.3 | 44.6 | 3.02 |
| Nairn | 51.9 | 40.8 | 44.8 | 42.0 | 2.38 |
| Aberdeen | 52.5 | 41.4 | 45.6 | 43.6 | 2.87 |
| Leith | 54.7 | 41.8 | 46.7 | 44.9 | 1.97 |
| Shields | 53.2 | 42.7 | 47.2 | 43.4 | 2.48 |
| Spurn Head | 53.5 | 45.7 | 48.8 | 47.3 | 2.27 |
| York | 54.6 | 41.4 | 43.9 | 44.5 | 2.60 |
| Loughborough | 55.7 | 41.1 | 45.9 | 44.6 | 2.80 |
| Ardsman | 53.7 | 43.7 | 47.8 | 45.8 | 3.87 |
| Mullaghmore | 54.2 | 45.7 | 49.1 | 46.9 | 4.75 |
| Donaghadee | 53.6 | 43.6 | 47.8 | 46.6 | 3.14 |
| Holyhead | 54.7 | 47.3 | 50.3 | 48.3 | 4.31 |
| Liverpool | 53.8 | 44.7 | 47.8 | 45.8 | 3.46 |
| Parsonstown | 54.8 | 41.0 | 46.2 | 44.5 | 3.16 |
| Valencia | 56.6 | 48.8 | 51.4 | 49.2 | 5.88 |
| Roch's Point | 56.0 | 46.1 | 50.2 | 48.3 | 4.09 |
| Pembroke | 54.9 | 48.0 | 51.2 | 49.2 | 3.00 |
| Seilly | 56.6 | 50.2 | 53.7 | 51.6 | 3.70 |
| Prawle Point | 56.7 | 46.2 | 51.2 | 49.6 | 3.60 |
| Jersey | 58.2 | 48.6 | 53.3 | 50.7 | 4.43 |
| Hurst Castle | 57.1 | 45.8 | 50.8 | 49.2 | 3.26 |
| Dover | 56.1 | 46.2 | 50.2 | 48.2 | 3.22 |
| LONDON | 56.7 | 42.7 | 47.5 | 45.0 | 2.57 |
| Oxford | 55.5 | 42.2 | 48.2 | 44.9 | 2.56 |
| Cambridge | 56.5 | 41.0 | 46.4 | 45.3 | 2.27 |
| Yarmouth | 54.3 | 44.6 | 49.0 | 47.6 | 2.92 |

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



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, (1) 29.7 in: and more over the northern parts of Scandinavia, and apparently still higher over the north of Russia; (2) 29.6 in: and more over the south of France and the N. of Spain.
 Lowest, 29.0 in: and less, in a complex depression covering the greater part of Scotland and the north of Ireland; 29.1 in: at the coast.
 Gradients are becoming somewhat steep for W. winds, over the southern half of our Islands.
 Barometer falling generally; most over England and Wales.

TEMPERATURE

Highest, 60° to 65° in the south of France, 50° and more over the southern parts of our Islands, and also in the Shetlands and the south of Norway.
 Lowest, 35° at Naím, 41° at Leith and Stromsay, 43° at Wick, Aberdeen, Ardrossan, and Donaghadee.
 The maxima in our Islands fell short of 60° yesterday except on our extreme south coasts, and at Malin. The thermometer did not touch 50°. The past night seems to have been very cold over Central Scotland [Minimum at Naím 28°].

WIND

NE to E over Scandinavia and the north of Scotland; N in the north of Ireland; W over the southern parts of Ireland and England; the Channel and Bay of Biscay. SW to S over the midland and eastern coasts, as well as in Holland and Germany.
 The W wind on our south and southwest coasts is strong and squally.

WEATHER

Still fine over the eastern half of England, cloudy and very unsettled elsewhere, with showers in the southwest, at Oxford, and at Lyons, and an unsettled appearance generally.
 Rain has again fallen at almost all stations, the amounts being large at Taro, the Helder, Rochefort, and Biaritz. Lightning has again been seen in many places.

SEA

The sea is rough or rather so at most of our southwestern stations, as well as off the north of Scotland, and at Biaritz.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression is growing deeper and more complex and threatens our west and southwest coasts with W. gales and cold rain squalls, while E. breezes and snow or sleet are probable in the north and northwest.

FORECASTS

For the 24 hours ending at NOON on 5TH OCTOBER, 1893.

| DISTRICTS. | FORECASTS. | DISTRICTS. | FORECASTS. |
|--------------------|---|--|---|
| 0 SCOTLAND NORTH | { E ^W winds; cold showers, perhaps snow. | 6 SCOTLAND WEST | { NE ^W and N ^W winds; cold showers unsettled. |
| 1 SCOTLAND EAST | | 7 ENGLAND N.W. | |
| 2 ENGLAND N.E. | S ^W to E ^W winds; cold showers, perhaps snow. | 8 ENGLAND S.W. | Same as No 5. |
| 3 ENGLAND EAST | Same as No 5 | 9 IRELAND NORTH | { N ^W winds; cold showers, very unsettled. |
| 4 MIDLAND COUNTIES | Same as No 2 | 10 IRELAND SOUTH | |
| 5 ENGLAND SOUTH | W ^W to NW ^W winds; cold rain and unsettled generally. | At 11 am to districts, 5, 8, and 10 "Hoist South Cone for Westerly gale". | |

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 ... | 29.41 | 54 | 51 | SE | 7 | a | 4 | Valencia ... | 29.37 | 57 | 50 | WSW | 5 | c q p | 6 |
| Sumburgh Head ... | 29.23 | 53 | 52 | E | 8 | o | 4 | Scilly ... | 29.42 | 58 | 54 | WSW | 5 | c q | 4 |
| Stornoway ... | 29.12 | 53 | 49 | S | 8 | o | 3 | Jersey ... | 29.46 | 58 | 52 | WSW | 5 | c | 5 |
| Aberdeen ... | 29.13 | 52 | 48 | S | 3 | a | 2 | Hurst Castle ... | 29.40 | 54 | 50 | WSW | 4 | b c p | 4 |
| Shields ... | 29.19 | 54 | 47 | WSW | 3 | c | 2 | Dungeness ... | 29.37 | 60 | 56 | W | 4 | b c | 3 |
| Ardrossan ... | 29.10 | 52 | 50 | S | 3 | b c | 2 | North Foreland ... | 29.35 | 56 | 49 | W | 3 | b c | 3 |
| Malin Head ... | 29.07 | 46 | 44 | SW | 3 | o | 2 | London (Westminster) ... | 29.35 | 59 | 50 | W | 2 | b c | 3 |
| Mullaghmore ... | | | | | | | | Yarmouth ... | 29.30 | 55 | 48 | WSW | 4 | b c | 3 |
| Belmullet ... | 29.18 | 48 | 47 | WSW | 4 | c q p | 3 | Rocheport ... | 29.60 | 56 | 55 | SW | 4 | t | * |
| Holyhead ... | 29.23 | 52 | 49 | SW | 4 | c q | 3 | | | | | | | | |

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

Weather fair or fine over the greater parts of our Islands, but dull and showery on our extreme northwest coasts. Fine in many parts of Germany, France, Spain, and the south of Italy and also in central Russia, cloudy or overcast in most other parts of the Continent with rain over the west of Norway, Poland, and the Baltic Provinces, as well as at Brussels, Wiesbaden and Bismarck. Showers falling later in many parts of the United Kingdom, and heavy rain at some of the French stations. Thunder occurring at Loughborough, and lightning seen over the greater part of England at night; aurora in the north of Scotland.

Temperature fallen in most places. Morning readings highest 80° at Lhasa, 76° at Malta, and 72° at Brindisi and Palermo, above 60° over Southern Europe and the Mediterranean generally. Lowest (1) 39° at Moscow, 45° at Archangel, and 46° at Kiev; (2) 42° at Donaghadee, 43° at Aberdeen and 44° at Malin H., below 50° in all but the extreme northern and southern parts of the United Kingdom. Daily maxima below 60° over our Islands generally, as well as in the northern parts of France; thermometer exceeding 65° in the south of France, and reaching 74° at Perpignan.

Wind moderate to fresh from the Wnd over England, Ireland, France, and Spain, but variable in Scotland. Light to moderate from the Snd in Italy, and from the SEnd over Germany, Denmark, Russia, the Baltic, and the south of Scandinavia; variable in Austria and also in Algeria. No important change occurring during day.

Barometer highest 30.4 ins. and upwards in an anticyclone lying over Central Russia, 30.2 ins. and upwards in the extreme south of Spain. Lowest 29.2 ins. and less, in a large but somewhat shallow depression lying over the north and northwest of our Islands; depression subsequently becoming more clearly marked, secondary systems forming eastwards across Ireland, England and 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.

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" Weekly " " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on

Thursday, 5th October,

1893

Issued by the Meteorological Office, 63, Victoria Street, London. R. 4. 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). | SHADE TEMP. | | | Amount of Rainfall. | | |
| | Reading at 32° F. and Sea Level. | Dry Bulb. | Direc. | 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). | Weather. | | Max. | Min. | | | | |
| | | | | | | | | | | | | | | | | | | | | |
| Ins. | ° | | | | | Ins. | ° | ° | ° | | | | | | ° | Ins. | | | | |
| SCANDINAVIA. | Haparanda ... | 29.56 | 47 | S | 4 | 0 | 29.42 | -34 | 48 | 48 | +4 | SSE | 4 | 7 | # | 0 | 48 | 39 | 0.51 | |
| | Hernösand ... | 29.39 | 47 | SSE | 4 | f | 29.29 | -14 | 46 | 45 | -1 | SSE | 8 | 0 | # | f | 48 | 45 | 0.39 | |
| | Stockholm ... | 29.34 | 47 | S | 2 | f | 29.41 | +02 | 49 | 48 | 0 | SSE | 2 | c | # | f | 54 | 45 | 0.32 | |
| | Wisby ... | 29.45 | 47 | SW | 4 | b | 29.44 | | 49 | 48 | | ESE | 4 | b | # | b | 54 | 45 | 0.47 | |
| | Bodö ... | 29.36 | 48 | E | 4 | c | 29.25 | -39 | 49 | 45 | +3 | E | 4 | b | 2 | c | 50 | 45 | | |
| | Christiansund... | 29.08 | 50 | E | 2 | b | 29.02 | -21 | 50 | 46 | +1 | E | 1 | b | 3 | b | 54 | 48 | | |
| | Skudesnaes ... | 29.00 | 49 | Z | 0 | f | 29.06 | -07 | 50 | 48 | -2 | SSE | 7 | 0 | 4 | 0.7 | 56 | 46 | 0.35 | |
| | Christiania Fjord (Frier) | 29.15 | 51 | SSE | 5 | f | 29.16 | -05 | 50 | 48 | +1 | S | 3 | 0 | 3 | f | 5 | 48 | 0.20 | |
| | Skagen (The Seaw) | 29.15 | 50 | SW | 4 | b | 29.16 | +06 | 47 | 46 | -4 | W | 3 | bc | 0 | b | 54 | 46 | 0.08 | |
| | Fanö ... | 29.17 | 50 | SW | 4 | f | 29.20 | -04 | 52 | 49 | +2 | WSW | 4 | b | # | tlhp | 55 | 46 | 0.51 | |
| BRITISH ISLANDS. | Sumburgh Head | 29.02 | 50 | NE | 2 | 0 | 28.92 | -26 | 48 | 47 | -4 | Z | 0 | 0 | 3 | b,0 | 55 | 45 | 0.07 | |
| | Stornoway ... | 29.01 | 45 | Z | 0 | 0 | 29.05 | +05 | 48 | 48 | +7 | NE | 6 | 0 | 5 | r,0 | 49 | 38 | 0.25 | |
| | Wick ... | 28.99 | 43 | SW | 4 | f | 28.94 | -08 | 46 | 45 | +3 | W | 2 | 0 | 2 | f | 46 | 42 | 0.70 | |
| | Nairn ... | 28.99 | 42 | Z | 0 | c | 28.99 | -01 | 44 | 43 | +9 | SW | 2 | c | 2 | c | 49 | 34 | 0.23 | |
| | Aberdeen ... | 29.00 | 46 | WSW | 1 | bc | 29.02 | +02 | 44 | 42 | +1 | WSW | 2 | 0 | 2 | bc,p | 52 | 37 | 0.03 | |
| | Leith ... | 28.99 | 45 | S | 1 | c | 29.05 | +08 | 41 | 39 | 0 | WSW | 3 | bm | # | c | 52 | 37 | | |
| | Shields ... | 29.00 | 48 | WSW | 2 | bc | 29.11 | +12 | 41 | 39 | -4 | SW | 2 | f | 2 | c,bc | 52 | 36 | | |
| | Spurn Head ... | 29.07 | 50 | SSW | 3 | c | 29.18 | +10 | 48 | 46 | 0 | SW | 4 | bw | 4 | c | 57 | 44 | | |
| | York ... | 29.05 | 50 | SSW | 3 | c | 29.15 | +10 | 46 | 45 | +1 | SSW | 1 | bc | # | c | 52 | 40 | 0.36 | |
| | Loughborough | 29.13 | 47 | WSW | 4 | c | 29.23 | +10 | 48 | 44 | +2 | WSW | 3 | c | # | c,q,p | 57 | 45 | 0.03 | |
| GERMANY & HOLLAND. | Ardrossan ... | 28.99 | 47 | Z | 0 | b | 29.08 | +12 | 39 | 38 | -4 | NE | 1 | bcnw | 1 | c,b | 49 | 35 | | |
| | Malin Head ... | 29.00 | 47 | SE | 1 | b | 29.09 | +13 | 45 | 44 | -2 | S | 1 | 0 | 1 | c,b | 50 | 42 | 0.05 | |
| | Mullaghmore ... | 28.96 | 50 | SW | 5 | 0 | 29.02 | -04 | 50 | 48 | +2 | SW | 3 | bc | # | r,tlp | 52 | 45 | 0.35 | |
| | Belmullet ... | 29.04 | 45 | WSW | 3 | bc | 29.13 | +15 | 46 | 45 | +3 | WSW | 3 | 0 | 1 | bc | 53 | 41 | 0.16 | |
| | Liverpool (Bldston) | 29.07 | 43 | W | 3 | f | 29.18 | +16 | 48 | 46 | -2 | S | 2 | b | 2 | f | 53 | 44 | 0.22 | |
| | Holyhead ... | 29.06 | 48 | WSW | 1 | c,tlp | 29.14 | +11 | 51 | 47 | +1 | WSW | 2 | b | 2 | bc,tlp | 56 | 47 | 0.19 | |
| | Parsonstown ... | 28.97 | 49 | SSW | 3 | f | 29.12 | +13 | 43 | 40 | -1 | S | 1 | b | # | c,r | 55 | 40 | 0.06 | |
| | Valencia ... | 29.16 | 54 | SW | 5 | c,q,p | 29.12 | -06 | 52 | 50 | +1 | S | 2 | cp | 3 | c,q,rh | 56 | 47 | 0.17 | |
| | Roche's Point | 29.16 | 53 | W | 3 | b | 29.17 | -01 | 50 | 48 | +2 | W | 2 | b | 3 | p,b | 57 | 46 | 0.01 | |
| | Pembroke (St. Ann's Hd.) | 29.12 | 55 | W | 6 | c | 29.20 | +01 | 53 | 49 | +1 | W | 3 | cp | 4 | c | 55 | 47 | 0.21 | |
| FRANCE AND BELGIUM. | Scilly ... | 29.27 | 55 | WSW | 7 | c | 29.25 | -04 | 53 | 50 | 0 | W | 5 | bc,p | 4 | c,q,p | 57 | 50 | 0.05 | |
| | Frawle Point ... | 29.26 | 53 | W | 6 | c | 29.28 | +01 | 54 | 51 | +2 | WSW | 4 | c | 3 | c,q,p | 56 | 47 | 0.50 | |
| | Jersey (St. Aubin's) | 29.36 | 57 | WSW | 6 | c,q,p | 29.36 | -01 | 56 | 54 | 0 | SSW | 5 | ogmp | 5 | c,q,p | 60 | 52 | 0.17 | |
| | Hurst Castle ... | 29.24 | 54 | WSW | 7 | bc,q | 29.31 | +05 | 51 | 50 | -5 | WSW | 4 | p | 4 | bc,q,p | 59 | 50 | 0.11 | |
| | Dungeness ... | 29.22 | 52 | W | 6 | c,q | 29.30 | +04 | 55 | 53 | +2 | WSW | 6 | 6 | 5 | c,q,p | 59 | 50 | 0.50 | |
| | North Foreland | 29.21 | 50 | W | 3 | b | 29.32 | +10 | 53 | 49 | +1 | W | 2 | bc | 3 | bc,q,p | 58 | 50 | 0.03 | |
| | London ... | 29.22 | 50 | W | 2 | b | 29.32 | +08 | 54 | 50 | +4 | SW | 1 | b | # | cp,b | 62 | 45 | 0.01 | |
| | Oxford ... | 29.21 | 48 | SW | 3 | q,p | 29.27 | +06 | 49 | 47 | +2 | SSW | 2 | b | # | q,p,b | 55 | 45 | 0.13 | |
| | Cambridge ... | 29.18 | 48 | SSW | 5 | b | 29.28 | +11 | 49 | 47 | +3 | S | 5 | b | # | b | 60 | 44 | | |
| | Yarmouth ... | 29.14 | 49 | WSW | 3 | bc | 29.26 | +09 | 49 | 47 | +2 | SW | 3 | bc | 3 | c,q,p | 58 | 43 | 0.03 | |
| PENINSULA. | Cuxhaven ... | 29.29 | 48 | SSW | 4 | f | 29.42 | +17 | 48 | 47 | +6 | S | 3 | 0 | # | f | 56 | 42 | 0.26 | |
| | Berlin ... | 29.50 | 48 | S | 3 | b | 29.49 | +05 | 50 | 49 | +3 | SSE | 3 | 0 | # | b | 57 | 46 | 0.04 | |
| | Wiesbaden ... | 29.52 | 48 | S | 3 | f | 29.52 | +09 | 55 | 54 | +7 | S | 1 | 0 | # | # | 57 | 41 | 0.12 | |
| | Munich ... | 29.69 | 49 | SW | 3 | f | 29.70 | +15 | 50 | 48 | +3 | S | 4 | c | # | f | 54 | 46 | 0.16 | |
| | The Helder ... | 29.23 | 51 | SSW | 5 | f | 29.29 | +05 | 53 | 51 | +1 | SW | 6 | f | 4 | c,t | 55 | 50 | 0.35 | |
| | Brussels (9 a.m.) | 29.44 | 52 | SW | 5 | f | 29.44 | +07 | 52 | 50 | +3 | SW | 5 | c | # | f | 57 | 48 | 0.12 | |
| | Cape Gris Nez | 29.23 | 57 | WSW | 7 | f | 29.32 | +04 | 54 | 51 | +4 | W | 6 | f | 6 | f | 57 | 43 | 0.95 | |
| | Paris ... | 29.45 | 56 | SSW | 3 | c | 29.53 | +04 | 52 | 51 | +5 | SSW | 3 | b | # | c | 61 | 47 | | |
| | Brest ... | 29.45 | 57 | WSW | 3 | c | 29.45 | 0 | 56 | 54 | +1 | SW | 3 | 0 | 4 | c | 59 | 54 | 0.08 | |
| | Lorient ... | 29.45 | 55 | WSW | 5 | 0 | 29.38 | -09 | 56 | 55 | -1 | SSW | 5 | f | 4 | 0 | 61 | 54 | 0.12 | |
| FRANCE AND BELGIUM. | Rochefort ... | 29.47 | 60 | WSW | 4 | f | 29.51 | -03 | 61 | 60 | +3 | SW | 4 | 0 | # | 0.7 | ? | 58 | 0.20 | |
| | Belfort ... | 29.64 | 59 | S | 3 | f | 29.71 | +07 | 59 | 57 | +5 | S | 2 | f | # | f | 68 | 54 | 0.20 | |
| | Lyons ... | 29.68 | 63 | W | 4 | bc | 29.82 | +07 | 59 | 56 | -1 | E | 2 | f | 3 | bc | 68 | 57 | | |
| | Nice ... | 29.69 | 65 | W | 1 | bc | 29.74 | +05 | 63 | 63 | -2 | W | 1 | 0 | # | bc | 72 | ? | | |
| | Perpignan ... | 29.58 | 68 | S | 4 | f | 29.63 | -06 | 62 | 61 | +1 | SE | 3 | f | 0 | rf | 70 | 55 | 0.32 | |
| | Biarritz ... | 29.58 | 68 | S | 4 | f | 29.63 | -06 | 62 | 61 | +1 | SE | 3 | f | 0 | rf | 70 | 55 | 0.32 | |
| PENINSULA. | Corunna ... | 29.95 | 64 | SW | 4 | 0 | 29.89 | -14 | 63 | 63 | -2 | SW | 5 | 0 | # | 0 | 72 | 63 | 0.04 | |
| | Lisbon ... | 29.95 | 64 | SW | 4 | 0 | 29.89 | -14 | 63 | 63 | -2 | SW | 5 | 0 | # | 0 | 72 | 63 | 0.04 | |

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, 5th October, 1893.

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:

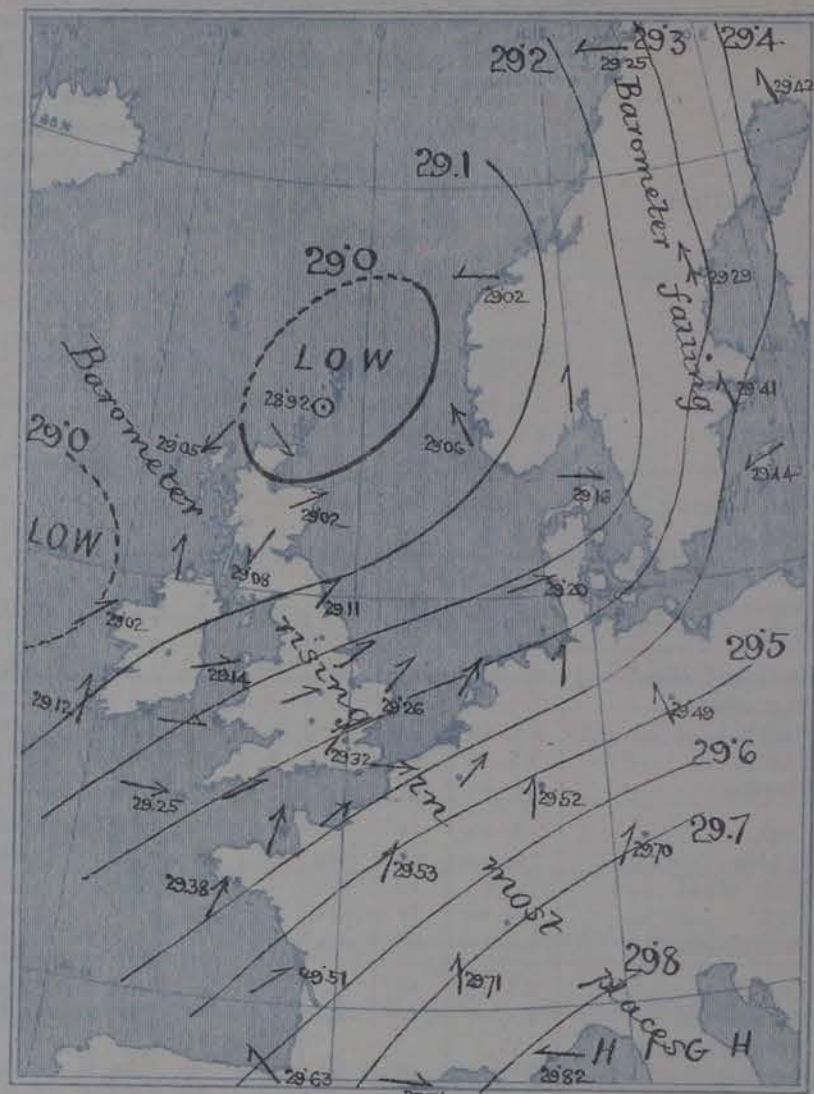
▨ = Rough. ▨ = High.

MEAN HEIGHT OF THE BAROMETER

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

During the 20 Years 1871—1890.

| STATIONS. | MEAN READINGS. |
|---------------|----------------|
| Sumburgh Head | 29.726 |
| Stornoway | 29.750 |
| Wick | 29.783 |
| Nairn | 29.779 |
| Aberdeen | 29.793 |
| Leith | 29.822 |
| Shields | 29.840 |
| Spurn Head | 29.867 |
| York | 29.882 |
| Loughborough | 29.904 |
| Ardrossan | 29.831 |
| Mullaghmore | 29.845 |
| Donaghadee | 29.850 |
| Holyhead | 29.872 |
| Liverpool | 29.879 |
| Parsonstown | 29.897 |
| Valencia | 29.896 |
| Roche's Point | 29.892 |
| Pembroke | 29.888 |
| Silly | 29.910 |
| Prawle Point | 29.931 |
| Jersey | 29.925 |
| Hurst Castle | 29.922 |
| Dover | 29.916 |
| LONDON | 29.923 |
| Oxford | 29.924 |
| Cambridge | 29.912 |
| Yarmouth | 29.894 |



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 October.)

| STATIONS. | TEMPERATURE. | | | | RAINFALL (Inches.) |
|---------------|---------------|---------------|-------------------|------|-----------------------|
| | Daily Max. | Daily Min. | at 8 a.m. Dry. | Wet. | |
| Sumburgh Head | 49.8 | 41.6 | 46.0 | 44.3 | 4.27 |
| Stornoway | 51.0 | 40.5 | 45.6 | 44.5 | 5.04 |
| Wick | 51.7 | 40.5 | 46.3 | 44.6 | 3.02 |
| Nairn | 51.9 | 40.8 | 44.8 | 42.9 | 2.38 |
| Aberdeen | 52.5 | 41.4 | 45.6 | 43.6 | 2.87 |
| Leith | 54.7 | 41.8 | 46.7 | 44.9 | 1.97 |
| Shields | 53.2 | 42.7 | 47.2 | 45.4 | 2.48 |
| Spurn Head | 53.3 | 45.7 | 48.8 | 47.3 | 2.27 |
| York | 54.5 | 41.4 | 45.9 | 44.5 | 2.60 |
| Loughborough | 55.7 | 41.1 | 45.9 | 44.6 | 2.80 |
| Ardrossan | 53.7 | 43.7 | 47.8 | 45.8 | 3.87 |
| Mullaghmore | 54.2 | 45.7 | 49.1 | 46.0 | 4.75 |
| Donaghadee | 53.6 | 43.6 | 47.8 | 46.0 | 3.14 |
| Holyhead | 54.7 | 47.3 | 50.3 | 48.3 | 4.31 |
| Liverpool | 53.8 | 44.7 | 47.8 | 45.8 | 3.46 |
| Parsonstown | 54.8 | 41.0 | 48.2 | 44.5 | 3.16 |
| Valencia | 56.6 | 46.8 | 51.4 | 49.2 | 5.88 |
| Roche's Point | 56.0 | 46.1 | 50.2 | 48.3 | 4.09 |
| Pembroke | 54.9 | 48.0 | 51.2 | 49.2 | 3.96 |
| Silly | 56.6 | 50.2 | 53.7 | 51.6 | 3.70 |
| Prawle Point | 56.7 | 46.2 | 51.2 | 49.6 | 3.60 |
| Jersey | 58.2 | 48.6 | 53.3 | 50.7 | 4.45 |
| Hurst Castle | 57.1 | 45.8 | 50.8 | 49.2 | 3.26 |
| Dover | 56.1 | 46.2 | 50.2 | 48.2 | 3.22 |
| LONDON | 56.7 | 42.7 | 47.5 | 45.8 | 2.57 |
| Oxford | 55.5 | 42.2 | 46.2 | 44.9 | 2.56 |
| Cambridge | 56.5 | 41.0 | 46.4 | 45.3 | 2.27 |
| Yarmouth | 54.3 | 44.6 | 49.0 | 47.6 | 2.92 |

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, 29.8 in: and more to 29.6 in: over the south and southeast of France.
 Lowest, 29.0 in: and less, in a depression lying off our north and north-west coasts.
 Gradients slight in the north, moderate in the south.
 Barometer changing little and irregularly.

TEMPERATURE

Highest, 60° to 63° in the southwest of France, 50° and more at all the southern stations, and on the eastern shores of the North Sea.
 Lowest, 39° at Ardrossan, 41° at Leith and Shields.
 It has risen somewhat over England and France, changed irregularly in Scotland.

WIND

E¹ and SE² moderate in Norway; variable in Scotland, SW³ to W⁴ over Ireland and England, and rather more S¹ over France.
 A gale from the W⁴ which prevailed over the Channel yesterday has died down.

WEATHER

Fair over all but our southern districts and the north of France, where showers are falling in many places, fog is reported at Shields.
 Rain has again fallen very generally, and in considerable quantity at many of the northern stations.
 Thunder and lightning have occurred locally in many districts.

SEA

Moderate and decreasing in the Channel, rather rough at Somersay, smooth in the northeast and east.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression in the north is travelling northeastwards, and at present no new disturbance of importance is observed in our neighbourhood. The barometer, however, is low everywhere.

FORECASTS

For the 24 hours ending at NOON on 6th OCTOBER, 1893.

DISTRICTS.

FORECASTS.

| | | |
|---|------------------|---|
| 0 | SCOTLAND NORTH | Varying breezes, unsettled, rain at times. |
| 1 | SCOTLAND EAST | SW ² and S ² breezes; changeable, fine to showery |
| 2 | ENGLAND N.E. | |
| 3 | ENGLAND EAST | Same as N ^o 5 |
| 4 | MIDLAND COUNTIES | Same as N ^{os} 1 & 2 |
| 5 | ENGLAND SOUTH | SW ² breezes, moderate, mild, changeable, some showers. |

DISTRICTS.

FORECASTS.

| | | |
|----------|---------------|---|
| 6 | SCOTLAND WEST | SW ² breezes; showery. |
| 7 | ENGLAND N.W. | |
| 8 | ENGLAND S.W. | Same as N ^o 5. |
| 9 | IRELAND NORTH | Very light breezes; some showers, bright intervals. |
| 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. | F. | WEA. | SEA. | | BAR. | THER. | | WIND. | F. | WEA. | SEA. |
|-------------------|-------|-------|------|--------|----|------|------|--------------------------|-------|-------|------|--------|----|-----------|------|
| | | Dry. | Wet. | Dirac. | | | | | | Dry. | Wet. | Dirac. | | | |
| Skudesnaes ... | 29.05 | 56 | 50 | Z | 0 | 0 | 3 | Valencia ... | 29.17 | 54 | 52 | WSW | 5 | c q t h p | 6 |
| Sumburgh Head ... | 29.06 | 53 | 51 | ESE | 3 | 6 | 4 | Scilly ... | 29.28 | 57 | 51 | WSW | 7 | c q p | 4 |
| Stornoway ... | 29.01 | 47 | 45 | NE | 2 | † | 3 | Jersey ... | 29.36 | 59 | 54 | WSW | 7 | c | 6 |
| Aberdeen ... | 28.98 | 52 | 47 | SE | 2 | 6c | 2 | Hurst Castle ... | 29.25 | 56 | 51 | WSW | 7 | c q p | 5 |
| Shields ... | 28.98 | 51 | 45 | WSW | 2 | c | 2 | Dungeness ... | 29.21 | 56 | 53 | W | 6 | c t q | 5 |
| Ardrossan ... | 28.98 | 49 | 46 | NE | 1 | c | 1 | North Foreland ... | 29.20 | 57 | 51 | W | 5 | 6c | 4 |
| Malin Head ... | 29.00 | 50 | 47 | NW | 1 | 0 | 2 | London (Westminster) ... | 29.18 | 54 | 49 | W | 4 | 0 | * |
| Mullaghmore ... | 29.02 | 52 | 49 | SSW | 3 | † | 4 | Yarmouth ... | 29.13 | 58 | 50 | SW | 5 | c | 3 |
| Belmullet ... | 29.02 | 52 | 49 | SSW | 3 | † | 4 | Rochefort ... | 29.53 | 62 | 59 | WSW | 4 | 0 | * |
| Holyhead ... | 29.06 | 55 | 50 | WSW | 2 | 6c | 2 | | | | | | | | |

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

Weather in morning changeable and showery over the United Kingdom generally, but temporarily fine in the east of England. Dull over the greater part of the Continent, with rain in many parts of Denmark, Scandinavia and north Germany, as well as in northern Italy, and at some of the southern French stations. Fine in the extreme southern parts of France and Italy. Rain falling day in nearly all parts of Western Europe; thunderstorms occurring at Belmullet and Holyhead; lightning seen at night in the extreme southeast of England.

Temperature fallen in Ireland and Scotland, as well as in Scandinavia, Denmark, and Germany, risen in most other countries. Morning readings highest 74° at Barcelona and Cagliari, 73° at Malta, 72° at Khindiri, Algiers, and Aumale; above 60° over Southern Europe generally. Lowest (1) 35° at Nain and 41° at Stornoway and Leth (below 45° over the northern parts of our Islands generally); (2) 42° at Cuxhaven and 45° at Münster; (3) 43° at Moscow, and 44° at Nipavanda. Remaining below 55° all day at most of our northern stations, but rising to between 55° and 60° in the south and reaching 62° in London. Exceeding 65° in the south of France, and 72° at Perpignan.

Wind W^{ly} or SW^{ly} over England, Ireland, the Netherlands, France, Spain and Italy, and strong in force on our own southern coasts. Moderate from the S^{ly} in Germany, light from the SE^{ly} in Austria and Russia; moderate to strong from the E^{ly} or NE^{ly} in Scandinavia, as well as in the Shetlands and Hebrides. Variable, but chiefly W^{ly}, in Algeria. Subsequently increasing to a moderate or fresh gale from the W^{ly} over the English Channel; no important change occurring elsewhere.

Barometer highest 30.1 ins: and upwards in the extreme north of Russia; 30.0 ins: and upwards in the south of Russia, and also in Algeria and the south of Spain. Lowest 29.0 ins: and less, in a complex depression lying over Scotland and the north of Ireland. 29.4 ins: and less, in a small secondary disturbance over the south of Norway. No important change occurring over Western Europe 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 Friday 6th OCTOBER, 1893

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 ... | 29.54 | 46 | S | 2 | be | 29.51 | + .09 | 45 | 45 | - 3 | S | 2 | 0 | # | be | 48 | 45 | - | | |
| | Hernösand ... | 29.38 | 47 | SSE | 6 | 0 | ? | ? | 46 | 45 | 0 | S | 4 | c | # | 0 | 48 | 45 | 0.04 | | |
| | Stockholm ... | 29.45 | 50 | S | 2 | 0 | 29.53 | + .12 | 48 | 46 | - 1 | SW | 2 | 0 | # | 0 | 52 | 43 | - | | |
| | Wisby ... | 29.53 | 49 | SW | 4 | b | 29.60 | + .16 | 51 | 50 | + 2 | SSW | 4 | r | # | b | 54 | 43 | 0.04 | | |
| | Bodö ... | 29.21 | 45 | ESE | 2 | be | 29.26 | + .01 | 47 | 44 | - 2 | SE | 1 | 0 | 1 | be | 50 | 43 | 0.12 | | |
| | Christiansund... | 29.21 | 48 | ? SW | 4 | 0 | 29.30 | + .28 | 47 | 46 | - 3 | SE | 1 | c | 4 | 0 | 52 | 45 | - | | |
| | Skudesnaes ... | 29.21 | 48 | SSE | 4 | be | 29.27 | + .21 | 51 | 49 | + 1 | SSE | 6 | 0 | 4 | be | 51 | 45 | - | | |
| | Christiania Fjord (Færder) | 29.24 | 50 | SSW | 4 | c | 29.38 | + .22 | 52 | 48 | + 2 | SSW | 4 | 0 | 3 | c | 52 | 50 | 0.16 | | |
| | Skagen (The Scaw) | 29.32 | 50 | SW | 3 | c | 29.38 | + .22 | 51 | 50 | + 4 | SW | 2 | c | 0 | c | 54 | ? | 0.08 | | |
| | Fanö ... | 29.39 | 51 | WSW | 4 | r | 29.38 | + .18 | 52 | 51 | 0 | WSW | 4 | c | # | phrl | 55 | 48 | 0.95 | | |
| ISLANDS. | Sumburgh Head | 29.02 | 49 | E | 1 | 0 | 29.15 | + .23 | 49 | 48 | + 1 | ENE | 1 | c | 3 | c, 0 | 53 | 46 | 0.14 | | |
| | Stornoway ... | 29.12 | 48 | NE | 4 | r | 29.23 | + .18 | 47 | 46 | - 1 | N | 2 | c | 3 | or | 51 | 45 | 0.14 | | |
| | Wick ... | 29.01 | 48 | NNW | 2 | r | 29.18 | + .24 | 48 | 47 | + 2 | NNW | 3 | 0 | 2 | r | 53 | 43 | 0.20 | | |
| | Nairn ... | 29.06 | 50 | W | 2 | c | 29.20 | + .21 | 48 | 46 | + 4 | Z | 0 | c | 1 | c | 52 | 42 | 0.10 | | |
| | Aberdeen ... | 29.09 | 49 | SW | 2 | c | 29.21 | + .19 | 47 | 44 | + 3 | WSW | 1 | be | 1 | cp | 55 | 44 | 0.01 | | |
| | Leith ... | 29.15 | 48 | WSW | 3 | b | 29.23 | + .18 | 47 | 45 | + 6 | SW | 3 | bm | # | b | 56 | 40 | - | | |
| | Shields ... | 29.18 | 53 | WSW | 1 | m | 29.29 | + .18 | 41 | 39 | 0 | SW | 3 | c | 2 | c, f, m | 55 | 38 | - | | |
| | Spurn Head ... | 29.25 | 51 | SW | 3 | c | 29.36 | + .18 | 47 | 46 | - 1 | SW | 3 | r | 3 | ct, p | 59 | 45 | 0.06 | | |
| | York ... | 29.05 | 54 | S | 1 | 0 | 29.35 | + .20 | 38 | 38 | - 8 | S | 1 | b | # | 0 | 57 | 36 | 0.03 | | |
| | Loughborough | 29.28 | 49 | SW | 1 | b | 29.41 | + .18 | 46 | 45 | - 2 | WSW | 3 | bm | # | p, r, b | 61 | 38 | 0.19 | | |
| BRITISH ISLANDS. | Ardrossan ... | 29.15 | 53 | SW | 2 | b | 29.27 | + .19 | 54 | 50 | + 15 | W | 2 | be | 2 | b | 56 | 38 | - | | |
| | Malin Head ... | 29.17 | 50 | NNE | 2 | 0 | 29.30 | + .21 | 50 | 48 | + 5 | NNW | 3 | be | 2 | o, p, b | 52 | 45 | 0.04 | | |
| | Mullaghmore ... | | | | | | | | | | | | | | | | | | | | |
| | Belmullet ... | 29.17 | 50 | SSW | 2 | be | 29.44 | + .42 | 50 | 48 | 0 | N | 2 | c | # | op, be | 55 | 48 | 0.15 | | |
| | Donaghadee ... | 29.20 | 50 | SW | 3 | be | 29.34 | + .21 | 45 | 44 | - 1 | WSW | 3 | be | 1 | op, be | 60 | 42 | 0.03 | | |
| | Liverpool (Bldston) | 29.25 | 49 | Z | 0 | be | 29.39 | + .21 | 48 | 45 | 0 | SSW | 2 | b | 1 | be | 56 | 44 | 0.25 | | |
| | Holyhead ... | 29.21 | 52 | SW | 2 | b | 29.38 | + .34 | 52 | 50 | + 1 | WSW | 2 | b | 2 | be, b | 58 | 47 | 0.15 | | |
| | Parsonstown ... | 29.19 | 52 | SW | 1 | 0 | 29.42 | + .30 | 39 | 38 | - 4 | ? | 1 | 0 | # | 0 | 60 | 33 | - | | |
| | Valencia ... | 29.20 | 52 | S | 1 | cm | 29.45 | + .33 | 43 | 43 | - 9 | Z | 0 | cm | 2 | be, cm | 58 | 38 | 0.04 | | |
| | Roche's Point | 29.20 | 54 | WSW | 2 | b | 29.44 | + .27 | 45 | 44 | - 5 | NNW | 1 | bm | 3 | b, b | 59 | 42 | - | | |
| GERMANY & HOLLAND. | Pembroke (St. Ann's Hd.) | 29.23 | 54 | SSW | 3 | c | 29.42 | + .22 | 53 | 50 | 0 | NNW | 2 | cp | 3 | c | 60 | 47 | 0.20 | | |
| | Scilly ... | 29.25 | 54 | SSW | 4 | c | 29.41 | + .16 | 54 | 51 | + 1 | SSE | 4 | r | 3 | cp, t, cl | 57 | 50 | 0.15 | | |
| | Prawle Point ... | 29.30 | 54 | SSW | 3 | c | 29.49 | + .21 | 54 | 52 | 0 | SW | 4 | cp | 3 | c, p, b | 57 | 48 | 0.35 | | |
| | Jersey (St. Aubin's) | 29.38 | 59 | WSW | 4 | op, g | 29.57 | + .21 | 59 | 55 | + 3 | SW | 5 | b | 4 | omp | 61 | 53 | 0.22 | | |
| | Hurst Castle ... | 29.33 | 57 | WSW | 4 | be | 29.51 | + .20 | 55 | 52 | + 4 | WSW | 6 | be | 4 | be, p, g | 60 | 51 | 0.31 | | |
| | Dungeness ... | 29.33 | 57 | SW | 5 | 0 | 29.48 | + .18 | 55 | 52 | 0 | W | 4 | c | 4 | op | 58 | 51 | 0.33 | | |
| | North Foreland | 29.33 | 54 | SW | 2 | c | 29.47 | + .15 | 54 | 51 | + 1 | W | 2 | b | 3 | r, c | 56 | 51 | 0.39 | | |
| | London ... | 29.34 | 52 | WSW | 2 | b | 29.49 | + .17 | 50 | 49 | - 4 | WSW | 2 | b | # | c, b, or | 60 | 46 | 0.32 | | |
| | Oxford ... | 29.32 | 50 | SSW | 1 | 0 | 29.47 | + .20 | 48 | 47 | - 1 | SW | 2 | b | # | p, 0 | 61 | 45 | 0.04 | | |
| | Cambridge ... | 29.32 | 50 | SSW | 1 | r | 29.46 | + .18 | 49 | 49 | 0 | SSW | 3 | 0 | # | r | 63 | 44 | 0.37 | | |
| FRANCE AND BELGIUM. | Yarmouth ... | 29.30 | 55 | SSW | 3 | be | 29.40 | + .14 | 51 | 50 | - 2 | SW | 4 | c | 3 | c, be | 58 | 47 | 0.04 | | |
| | Cuxhaven ... | 29.47 | 52 | SW | 2 | c | 29.46 | + .04 | 54 | 53 | + 6 | SW | 2 | r | # | c | 58 | 48 | 0.02 | | |
| | Berlin ... | 29.64 | 55 | SSW | 3 | c | 29.59 | + .10 | 59 | 57 | + 9 | SW | 3 | c | # | c | 61 | 50 | 0.32 | | |
| | Wiesbaden ... | * | * | * | * | * | 29.66 | + .14 | 60 | 59 | + 5 | SW | 3 | r | # | # | 63 | 52 | 0.28 | | |
| | Munich ... | 29.84 | 57 | NE | 5 | r | 29.83 | + .13 | 52 | 51 | + 2 | S | 3 | b | # | r | 63 | 48 | 0.04 | | |
| | The Helder ... | 29.41 | 53 | S | 2 | 0 | 29.46 | + .17 | 53 | 52 | 0 | S | 2 | b | 2 | 0 | 57 | 50 | 0.24 | | |
| | Brussels (9 a.m.) | * | * | * | * | * | 29.58 | + .14 | 56 | 53 | + 4 | SSW | 5 | c | # | r | 59 | 51 | 0.39 | | |
| | Cape Gris Nez | 29.36 | 56 | WSW | 5 | c | 29.44 | + .12 | 56 | 53 | + 2 | W | 5 | r | 5 | c | 57 | 50 | 0.43 | | |
| | Paris ... | 29.49 | 59 | S | 2 | 0 | 29.66 | + .13 | 54 | 53 | + 2 | SSW | 2 | c | # | 0 | 66 | 52 | 0.71 | | |
| | Brest ... | ? | 54 | SW | 3 | c | ? | ? | 58 | 54 | + 2 | SW | 4 | c | 4 | c | 59 | 52 | - | | |
| PENINSULA. | Lorient ... | 29.39 | 56 | WSW | 5 | r | 29.57 | + .19 | 58 | 53 | + 2 | SW | 5 | be | 4 | r | 63 | 50 | 0.32 | | |
| | Rochefort ... | 29.45 | 64 | WSW | 4 | r | ? | ? | 61 | 58 | 0 | SW | 3 | c | # | r | 68 | 55 | 0.39 | | |
| | Belfort ... | ? | 63 | SSE | 1 | r | ? | ? | 56 | 55 | 0 | W | 4 | r | # | r | 63 | 47 | 0.20 | | |
| | Lyons ... | 29.68 | 67 | SSW | 4 | 0 | 29.77 | + .06 | 68 | 60 | + 9 | SSW | 3 | be | # | 0 | 69 | 69 | 0.12 | | |
| | Nice ... | | | | | | | | | | | | | | | | | | | | |
| | Perpignan ... | 29.71 | 64 | Z | 0 | 0 | 29.78 | + .04 | 61 | 61 | - 2 | S | 1 | 0 | # | 0 | 72 | 58 | - | | |
| | Biarritz ... | 29.56 | 70 | SW | 6 | 0 | 29.72 | + .09 | 61 | 60 | - 1 | ENE | 1 | 0 | 3 | 0 | 77 | 59 | 0.08 | | |
| | Corunna ... | * | * | * | * | * | | | | | | | | | | * | | | | | |
| | Lisbon ... | 29.85 | 67 | SSW | 5 | 0 | 29.89 | 0 | 64 | 63 | + 1 | WSW | 3 | m | # | * | 70 | 63 | 0.59 | | |

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, 6th October, 1893.

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:

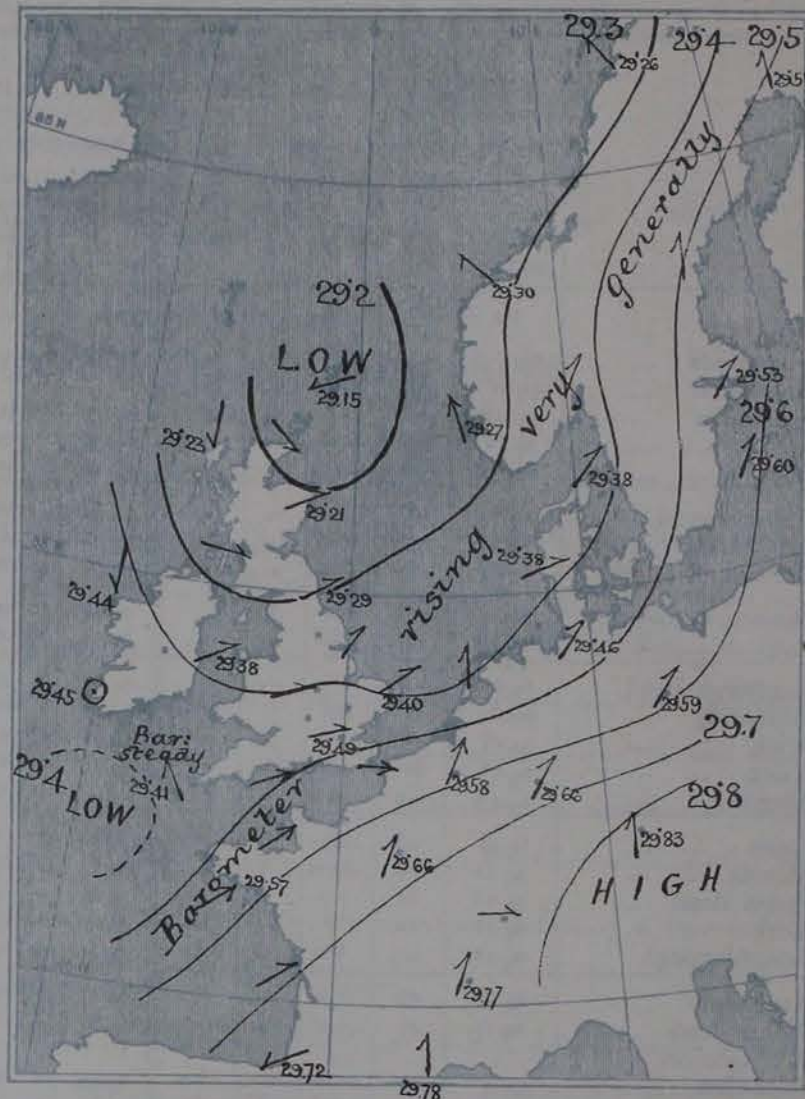
— = Rough. — = High.

MEAN HEIGHT OF THE BAROMETER

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

During the 20 Years 1871—1890.

| STATIONS. | MEAN READINGS. |
|---------------|----------------|
| Sumburgh Head | 29.726 |
| Sornoway | 29.756 |
| Wick | 29.783 |
| Nairn | 29.779 |
| Aberdeen | 29.793 |
| Leith | 29.822 |
| Shields | 29.846 |
| Spurn Head | 29.867 |
| York | 29.882 |
| Loughborough | 29.904 |
| Ardrossan | 29.831 |
| Mullaghmore | 29.845 |
| Donaghadee | 29.850 |
| Holyhead | 29.872 |
| Liverpool | 29.879 |
| Parsonstown | 29.897 |
| Valencia | 29.896 |
| Roche's Point | 29.892 |
| Pembroke | 29.888 |
| Scilly | 29.910 |
| Prawle Point | 29.931 |
| Jersey | 29.925 |
| Hurst Castle | 29.922 |
| Dover | 29.916 |
| LONDON | 29.923 |
| Oxford | 29.924 |
| Cambridge | 29.912 |
| Yarmouth | 29.894 |



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.

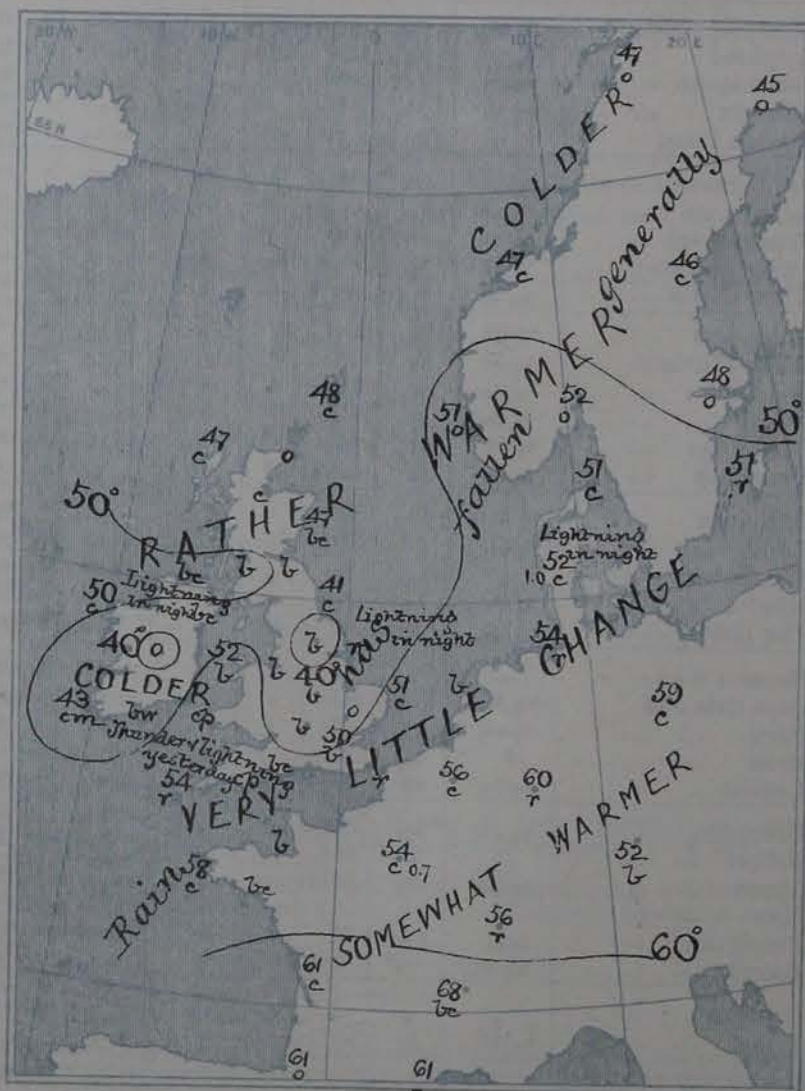
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL

(For the month of October.)

| STATIONS. | TEMPERATURE. | | | | RAINFALL (Inches.) |
|---------------|---------------|---------------|-------------------|------|-----------------------|
| | Daily Max. | Daily Min. | Dry, at 8 a.m. | Wet. | |
| Sumburgh Head | 49.8 | 41.6 | 46.0 | 44.3 | 4.27 |
| Sornoway | 51.0 | 40.5 | 46.0 | 44.5 | 3.04 |
| Wick | 51.7 | 40.5 | 46.3 | 44.6 | 3.02 |
| Nairn | 51.9 | 40.8 | 44.8 | 42.9 | 2.38 |
| Aberdeen | 52.5 | 41.4 | 45.0 | 43.0 | 2.87 |
| Leith | 54.7 | 41.8 | 46.7 | 44.0 | 1.97 |
| Shields | 53.2 | 42.7 | 47.2 | 45.4 | 2.48 |
| Spurn Head | 53.3 | 45.7 | 48.8 | 47.3 | 2.27 |
| York | 54.5 | 41.4 | 45.9 | 44.5 | 2.60 |
| Loughborough | 55.7 | 41.1 | 46.9 | 44.0 | 2.80 |
| Ardrossan | 53.7 | 43.7 | 47.8 | 45.8 | 3.87 |
| Mullaghmore | 54.2 | 45.7 | 49.1 | 46.0 | 4.75 |
| Donaghadee | 53.6 | 43.5 | 47.8 | 46.6 | 3.14 |
| Holyhead | 54.7 | 47.3 | 50.3 | 48.3 | 4.31 |
| Liverpool | 53.8 | 44.7 | 47.8 | 45.8 | 3.46 |
| Parsonstown | 54.8 | 41.0 | 46.2 | 44.5 | 3.10 |
| Valencia | 50.6 | 46.8 | 51.4 | 49.2 | 5.88 |
| Roche's Point | 56.0 | 46.1 | 50.2 | 48.3 | 4.09 |
| Pembroke | 54.9 | 48.0 | 51.2 | 49.2 | 3.96 |
| Scilly | 56.6 | 50.2 | 53.7 | 51.6 | 3.70 |
| Prawle Point | 56.7 | 46.2 | 51.2 | 49.0 | 3.00 |
| Jersey | 58.2 | 48.0 | 53.3 | 50.7 | 4.45 |
| Hurst Castle | 57.1 | 45.8 | 50.8 | 49.2 | 3.26 |
| Dover | 56.1 | 46.2 | 50.2 | 48.2 | 3.22 |
| LONDON | 56.7 | 42.7 | 47.5 | 45.9 | 2.57 |
| Oxford | 55.5 | 42.2 | 46.2 | 44.9 | 2.56 |
| Cambridge | 56.5 | 41.0 | 48.4 | 45.3 | 2.27 |
| Yarmouth | 54.3 | 44.0 | 49.0 | 47.6 | 2.92 |

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 29.8 ins. and more to 29.5 ins. over France, Germany and the southeast of England, 29.4 ins. and more over the south of England, and the southwestern half of Ireland.

Lowest 29.2 ins. and less over the Shetlands, the Moray Firth and N.E. of Scotland, and apparently rather below 29.4 ins. off the mouth of the Channel.

Gradients moderate, but very variable.

Barometer steady at Sicily, rising elsewhere.

TEMPERATURE

Highest 60° to 68° over the southern half of France, and western Germany, below 60° everywhere else.

Lowest 38° at York, 39° at Parsonstown, 41° at Shields.

The maxima recorded yesterday were slightly above 60° over many parts of England, higher over northern and central France, 72° at Perpignan, and 77° at Biarritz. The minima were low over the north of England and central Ireland.

WIND

Very variable - SW² at the southern and eastern stations, and blowing freshly over the Channel and Bay of Biscay, N² to NW², and light over Scotland and Ireland, SE², moderate, at Sicily.

WEATHER

Clear and bright over the greater part of England, fair as a whole in Scotland and Ireland, rainy at the mouth of the Channel.

Rain has again fallen generally - most over Brittany, the south of England, and at Faro. Thunder and lightning have occurred in many parts of the Kingdom and at Faro.

SEA

Moderate over the Bay of Biscay and Channel, slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression in the north is filling up; the new one in the southwest is apparently growing rather deeper, but its movements are uncertain at present.

FORECASTS

For the 24 hours ending at NOON on 7TH OCTOBER. 1893.

DISTRICTS.

FORECASTS.

- | | | |
|---|------------------|--|
| 0 | SCOTLAND NORTH | { NW ² and N ² winds; colder, some passing showers. |
| 1 | SCOTLAND EAST | |
| 2 | ENGLAND N.E. | { Wind veering to NW, weather fine to unsettled. |
| 3 | ENGLAND EAST | Same as No. 5. |
| 4 | MIDLAND COUNTIES | Same as No. 2. |
| 5 | ENGLAND SOUTH | { W ² to S ² and varying winds, changeable, rain at times. |

DISTRICTS.

FORECASTS.

- | | | |
|----|---------------|--|
| 6 | SCOTLAND WEST | { NW ² and N ² winds; fair, much colder. |
| 7 | ENGLAND N.W. | |
| 8 | ENGLAND S.W. | { Wind backing to SE. and E, rainy to fair, colder. |
| 9 | IRELAND NORTH | { N ² breezes; fair, colder. |
| 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. Direc. | F. | WEA. | SEA. | | BAR. | THER. | | WIND. Direc. | F. | WEA. | SEA. |
|-------------------|-------|-------|------|-----------------|----|------|------|------------------------|-------|-------|------|-----------------|----|------|------|
| | | Dry. | Wet. | | | | | | | Dry. | Wet. | | | | |
| Skudesnaes ... | 29.14 | 47 | 45 | S | 2 | r | 3 | Valencia ... | 29.15 | 58 | 53 | SW | 3 | bcp | 4 |
| Sumburgh Head ... | 28.98 | 50 | 48 | SE | 1 | c | 3 | Scilly ... | 29.25 | 57 | 52 | WSW | 4 | cp | 4 |
| Stornoway ... | 29.09 | 51 | 50 | NE | 5 | o | 5 | Jersey ... | 29.37 | 61 | 58 | SW | 5 | c | 5 |
| Aberdeen ... | 29.05 | 53 | 48 | WSW | 2 | c | 1 | Hurst Castle ... | 29.31 | 60 | 55 | WSW | 4 | bc | 4 |
| Shields ... | 29.15 | 53 | 48 | WSW | 3 | c | 2 | Dungeness ... | 29.31 | 58 | 57 | SW | 6 | og | 5 |
| Ardrossan ... | 29.12 | 55 | 52 | 2 | o | 6 | 1 | North Foreland ... | 29.31 | 54 | 52 | SW | 2 | r | 3 |
| Malin Head ... | 29.14 | 51 | 48 | 2 | o | o | o | London (W.minster) ... | 29.30 | 59 | 53 | SW | 3 | c | * |
| Mullaghmore ... | | | | | | | | Yarmouth ... | 29.29 | 58 | 52 | SW | 4 | c | 3 |
| Belmullet ... | 29.12 | 54 | 51 | SSW | 2 | op | * | Rochefort ... | 29.50 | 67 | 66 | WSW | 4 | o | * |
| Holyhead ... | 29.19 | 57 | 50 | SW | 2 | bc | 2 | | | | | | | | |

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

Weather dull on our extreme north and northwest coasts, and showery in the southern parts of Ireland and England, but fine in all the more central parts of the United Kingdom. Dull over the Continent generally, with rain in the west and south of France, as well as at some of the northern stations in Sweden and Russia; fine and bright in the west of Norway, and also in Poland and the south of Italy. Showers falling during day in nearly all parts of our Islands, and considerable quantities of rain in France and the south of England. Lightning seen at several of our western stations, and also at Spurn Head; thunder occurring at Scilly.

Temperature risen generally. Morning readings highest 79° at Palermo, 76° at Barcelona, and 75° at Brindisi, Cagliari and Algiers; above 60° in most parts of southern and southeastern Europe. Lowest (1) 37° at Archangel; (2) 39° at Ardrossan, 41° at Leith and Shields, and 43° at Parsonstown; below 50° in all but the extreme southern and southwestern parts of the United Kingdom. Rising during day to 60° or a little more at several of our central and southern stations, to 65° and upwards over central France, and to 70° and upwards in the south of that country, the highest reading of all being 77° at Biarritz.

Wind light to fresh from the SWrd over England, Ireland, France, Spain, the Netherlands and Denmark, S^W or SE^W in Germany, Russia and Sweden, with a gale at Helsingfors; E^W in the west of Norway; variable in the north of Scotland. Variable in Italy and Algeria. No important change occurring over western Europe during day.

Barometer highest 30.0 ins. and upwards in an area lying over the eastern parts of the Mediterranean, and extending northwards over Asia Minor and the Black Sea to central Russia. Lowest 29.0 ins. and less in a large shallow depression lying off the north and northeast of Scotland, as well as in another system off the northwest of Ireland. Shallow secondary disturbances moving northeastwards during day across various parts of western Europe, and barometer therefore rather unsteady.

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, 7th October,

1893

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. | | | | | 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 Yesterday Morn. | Dry Bulb. | Wet Bulb. | Change in dry since Yesterday. | | | | Direc. | Force (0 to 12). | Weather. | | Sea (0 to 9). | Weather. | Max. | Min. |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| Ina. | ° | | | | | Ina. | ° | ° | ° | | | | | | | | ° | ins. | | | | | | |
| Haparanda ... | 29.50 | 45 | Z | 0 | 0 | 29.55 | +0.05 | 44 | 44 | -1 | Z | 0 | C | # | 0 | 48 | 41 | 0.43 | | | | | | |
| Hernösand ... | 29.50 | 44 | Z | 0 | 0 | 29.67 | ? | 37 | 36 | -9 | SW | 2 | C | # | 0 | 50 | ? | - | | | | | | |
| Stockholm ... | 29.58 | 50 | S | 2 | 0 | 29.80 | +2.27 | 51 | 50 | +3 | SW | 2 | 0 | # | 0 | 54 | 43 | 0.04 | | | | | | |
| Wisby ... | 29.65 | 51 | S | 4 | 0 | 29.89 | +2.29 | 51 | 49 | 0 | W | 4 | 0 | # | 0 | 54 | 46 | 0.16 | | | | | | |
| Bodö ... | 29.36 | 45 | ESE | 2 | 0 | 29.55 | +2.29 | 45 | 43 | -2 | ESE | 2 | 0 | 1 | 0 | 50 | 43 | 0.28 | | | | | | |
| Christiansund... | 29.46 | 43 | Z | 0 | 0 | 29.63 | +3.3 | 42 | 41 | -5 | ESE | 1 | bc | 4 | 0 | 52 | 39 | - | | | | | | |
| Skudesnaes ... | 29.47 | 53 | S | 6 | C | 29.65 | +3.8 | 53 | 49 | +2 | S | 6 | 0 | 4 | C | 54 | 48 | - | | | | | | |
| Christiania Fjord (Færdler) | 29.53 | 51 | SSW | 3 | 0 | 29.75 | +3.7 | 52 | 50 | 0 | SSW | 4 | C | 3 | C | 54 | 48 | - | | | | | | |
| Skagen (The Scaw) | 29.58 | 48 | W | 1 | 0 | 29.78 | +4.0 | 50 | 49 | -1 | SW | 1 | 0 | 0 | 0 | 54 | 45 | 0.16 | | | | | | |
| Fanö ... | 29.72 | 52 | SW | 2 | 0 | 29.76 | +3.8 | 48 | 48 | -4 | S | 4 | f | # | 0 | 55 | 46 | 0.12 | | | | | | |
| Sumburgh Head | 29.27 | 47 | N | 1 | 0 | 29.44 | +3.4 | 47 | 46 | -2 | N | 3 | 0 | 3 | bc, b | 53 | 44 | 0.08 | | | | | | |
| Stornoway ... | 29.36 | 48 | N | 3 | 0 | 29.55 | +3.2 | 47 | 47 | 0 | N | 3 | 0 | 3 | C, f | 54 | 44 | 0.44 | | | | | | |
| Wick ... | 29.33 | 48 | W | 2 | 0 | 29.52 | +3.4 | 46 | 45 | -2 | W | 1 | 0 | 2 | 0 | 52 | 40 | 0.05 | | | | | | |
| Nairn ... | 29.37 | 49 | Z | 0 | C | 29.53 | +3.3 | 43 | 42 | -5 | Z | 0 | C | 1 | C | 57 | 37 | 0.02 | | | | | | |
| Aberdeen ... | 29.40 | 48 | WNW | 1 | bc | 29.57 | +3.6 | 48 | 46 | +1 | WNW | 1 | cmw | 1 | bc, p | 56 | 42 | 0.01 | | | | | | |
| Leith ... | 29.42 | 49 | SW | 1 | bc | 29.55 | +3.2 | 48 | 47 | +1 | Z | 0 | om | # | bc | 58 | 45 | - | | | | | | |
| Shields ... | 29.47 | 53 | SSW | 2 | 0 | 29.59 | +3.0 | 42 | 41 | +1 | SSW | 2 | f | 2 | p, b | 56 | 38 | - | | | | | | |
| Spurn Head ... | 29.55 | 52 | SSW | 3 | 0 | 29.57 | +2.1 | 51 | 50 | +4 | SSW | 1 | f | 3 | p, p | 59 | 47 | 0.02 | | | | | | |
| York ... | 29.53 | 50 | SW | 1 | 0 | 29.58 | +2.3 | 46 | 40 | +2 | WNW | 1 | C | # | b | 58 | 35 | 0.04 | | | | | | |
| Loughborough | 29.57 | 53 | SSW | 1 | C | 29.59 | +1.8 | 44 | 43 | -2 | SE | 1 | cfw | # | C | 61 | 43 | - | | | | | | |
| Ardrossan ... | 29.42 | 52 | SW | 2 | bc | 29.55 | +2.8 | 47 | 46 | -7 | ESE | 1 | bc, m | 1 | bc | 58 | 43 | 0.01 | | | | | | |
| Malin Head ... | 29.45 | 50 | HW | 4 | bp | 29.54 | +2.4 | 47 | 46 | -3 | S | 2 | C | 2 | C, p, b | 52 | 47 | 0.04 | | | | | | |
| Mullaghmore ... | | | | | | | | | | | | | | | | | | | | | | | | |
| Belmullet ... | 29.56 | 50 | HW | 2 | bc | 29.60 | +1.6 | 46 | 45 | -4 | HW | 3 | bc | # | bc | 54 | 42 | 0.10 | | | | | | |
| Donaghadee ... | 29.49 | 49 | SW | 3 | bc | 29.58 | +2.4 | 44 | 44 | -1 | WNW | 2 | 0 | 0 | bc | 59 | 42 | - | | | | | | |
| Liverpool (Bidston) | 29.53 | 54 | Z | 0 | 0 | 29.56 | +1.7 | 48 | 47 | 0 | SE | 1 | f | ? | 0 | 58 | 47 | 0.05 | | | | | | |
| Holyhead ... | 29.50 | 53 | Z | 0 | C | 29.53 | +1.5 | 50 | 50 | -2 | Z | 0 | 0 | 0 | b, c | 59 | 44 | 0.02 | | | | | | |
| Parsonstown ... | 29.52 | 51 | Z | 0 | 0 | 29.56 | +1.4 | 36 | 35 | -3 | S | 1 | of | # | 0 | 56 | 33 | - | | | | | | |
| Valencia ... | 29.58 | 52 | N | 3 | bc | 29.63 | +1.8 | 48 | 47 | +5 | NE | 1 | cp | 2 | C, bc | 57 | 40 | 0.12 | | | | | | |
| Roche's Point | 29.52 | 53 | WNW | 2 | 0 | 29.57 | +1.3 | 45 | 43 | 0 | WNW | 3 | 0 | 3 | b, l | 60 | 43 | - | | | | | | |
| Pembroke (St. Ann's Hd.) | 29.50 | 52 | ESE | 3 | C | 29.48 | +0.6 | 50 | 49 | -3 | E | 3 | cp | 2 | C, l | 58 | 49 | 0.22 | | | | | | |
| Scilly ... | 29.47 | 55 | SW | 4 | cp | 29.47 | +0.6 | 54 | 52 | 0 | NE | 3 | C | 3 | cp, l | 62 | 50 | 0.26 | | | | | | |
| Prawle Point ... | 29.56 | 55 | WSW | 4 | bc | 29.52 | +0.3 | 55 | 53 | +1 | SW | 4 | cp | 3 | bc, pl | 58 | 51 | 0.16 | | | | | | |
| Jersey (St. Aubin's) | 29.62 | 60 | SW | 4 | cp | 29.59 | +0.2 | 59 | 55 | 0 | S | 5 | bc, m | 4 | cp | 66 | 55 | 0.13 | | | | | | |
| Hurst Castle ... | 29.61 | 58 | SW | 4 | bc | 29.58 | +0.7 | 53 | 51 | -2 | ? S | 3 | bc | 3 | bc, p | 62 | 50 | 0.38 | | | | | | |
| Dungeness ... | 29.64 | 56 | SSW | 3 | cp | 29.59 | +1.1 | 57 | 55 | +2 | WSW | 3 | cp | 4 | cp | 63 | 53 | 0.46 | | | | | | |
| North Foreland | 29.65 | 56 | SW | 2 | bc, q | 29.61 | +1.4 | 55 | 53 | +1 | W | 1 | 0 | 2 | bc, q, l, p | 62 | 53 | 0.53 | | | | | | |
| London ... | 29.62 | 54 | SW | 2 | C | 29.59 | +1.0 | 53 | 52 | +3 | S | 1 | 0 | # | C, bc, o | 62 | 45 | 0.06 | | | | | | |
| Oxford ... | 29.61 | 48 | SW | 1 | 0 | 29.57 | +1.0 | 48 | 47 | 0 | SSW | 1 | cm | # | b, p | 59 | 44 | 0.12 | | | | | | |
| Cambridge ... | 29.61 | 52 | S | 2 | 0 | 29.60 | +1.4 | 47 | 47 | -2 | ESE | 1 | 0 | # | 0 | 62 | 43 | 0.23 | | | | | | |
| Yarmouth ... | 29.59 | 56 | SW | 2 | bc | 29.59 | +1.9 | 53 | 52 | +2 | W | 1 | bc, m | 3 | 0 | 59 | 50 | 0.10 | | | | | | |
| Cuxhaven ... | 29.69 | 50 | WSW | 2 | C | 29.74 | +3.3 | 49 | 48 | -5 | ESE | 2 | C | # | C | 59 | 48 | 0.02 | | | | | | |
| Berlin ... | 29.83 | 60 | SW | 2 | 0 | 29.88 | +2.4 | 58 | 57 | -1 | SE | 2 | 0 | # | 0 | 68 | 55 | 0.04 | | | | | | |
| Wiesbaden ... | # | # | # | # | # | 29.80 | +1.4 | 59 | 58 | -1 | Z | 0 | 0 | # | # | 64 | 57 | 0.20 | | | | | | |
| Munich ... | 29.99 | 55 | SE | 2 | bc | 29.89 | +0.6 | 55 | 52 | +3 | SE | 4 | 0 | # | bc | 73 | 48 | - | | | | | | |
| The Helder ... | 29.73 | 55 | SW | 1 | 0 | 29.66 | +2.0 | 53 | 52 | 0 | E | 4 | 0 | 3 | 0 | 57 | 48 | 0.32 | | | | | | |
| Brussels (9 a.m.) | # | # | # | # | # | 29.67 | +0.9 | 54 | 53 | -2 | W | 1 | 0 | # | 0 | 61 | 50 | 0.12 | | | | | | |
| Cape Gris Nez | 29.63 | 57 | SW | 4 | bc | 29.58 | +1.4 | 55 | 52 | -1 | W | 4 | 0 | # | bc | 57 | 50 | 0.16 | | | | | | |
| Paris ... | 29.75 | 58 | S | 2 | 0 | 29.73 | +0.7 | 53 | 52 | -1 | S | 2 | 0 | # | 0 | 66 | 52 | 0.20 | | | | | | |
| Brest ... | ? | 58 | SW | 3 | bc | ? | ? | 56 | 55 | -2 | SW | 4 | 0 | # | bc | 61 | 54 | 0.04 | | | | | | |
| Lorient ... | 29.63 | 58 | SSW | 5 | C | 29.57 | +0.0 | 58 | 53 | 0 | SSW | 5 | C | 4 | C | 64 | 54 | 0.04 | | | | | | |
| Rochefort ... | 29.67 | 60 | WNW | 4 | 0 | 29.65 | ? | ? | ? | ? | S | 4 | 0 | # | C, 0 | 66 | 55 | 0.08 | | | | | | |
| Belfort ... | ? | 58 | SW | 1 | 0 | ? | ? | 56 | 54 | 0 | W | 3 | 0 | # | 0 | 62 | 48 | 0.98 | | | | | | |
| Lyons ... | 29.80 | 71 | SSW | 3 | 0 | 29.80 | +0.3 | 67 | 57 | -1 | SSW | 3 | 0 | # | 0 | 74 | 65 | - | | | | | | |
| Nice ... | 30.01 | 64 | E | 1 | 0 | 29.97 | -0.1 | 64 | 57 | -1 | Z | 0 | bc | 2 | 0 | 73 | 57 | - | | | | | | |
| Perpignan ... | 29.76 | 69 | W | 2 | 0 | 29.77 | -0.1 | 65 | 63 | +4 | NE | 2 | bc | # | 0 | 81 | 61 | - | | | | | | |
| Biarritz ... | 29.71 | 69 | SSW | 5 | 0 | 29.74 | +0.2 | 61 | 58 | 0 | W | 3 | 0 | 3 | 0, l | 77 | 57 | 0.24 | | | | | | |
| Corunna ... | # | # | # | # | # | 29.89 | 0.0 | 60 | 58 | -4 | SSW | 2 | 0 | # | 0 | 68 | 59 | 0.24 | | | | | | |
| Lisbon ... | 29.92 | 62 | WSW | 4 | 0 | | | | | | | | | | | | | | | | | | | |

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, 7th October, 1893.

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

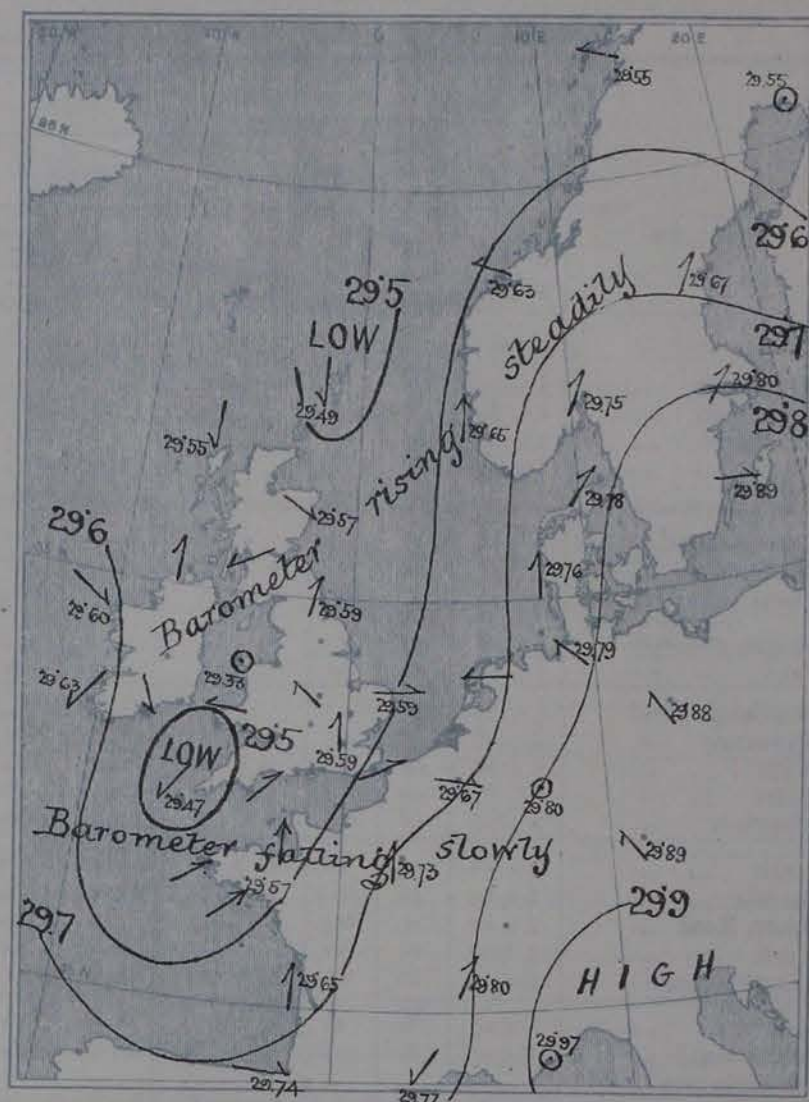
— Rough. — High.

MEAN HEIGHT OF THE BAROMETER

at 8.5 a.m. for the month of October

During the 20 Years 1871—1890.

| STATIONS. | MEAN READINGS. |
|---------------|----------------|
| Sumburgh Head | 29.720 |
| Stornoway | 29.756 |
| Wick | 29.763 |
| Nairn | 29.779 |
| Aberdeen | 29.793 |
| Leith | 29.822 |
| Shields | 29.846 |
| Spurn Head | 29.867 |
| York | 29.882 |
| Loughborough | 29.904 |
| Ardrossan | 29.831 |
| Mullaghmore | 29.845 |
| Donaghadee | 29.850 |
| Holyhead | 29.872 |
| Liverpool | 29.879 |
| Parsonstown | 29.897 |
| Valencia | 29.896 |
| Roche's Point | 29.892 |
| Pembroke | 29.888 |
| Scilly | 29.910 |
| Prawle Point | 29.931 |
| Jersey | 29.925 |
| Hurst Castle | 29.922 |
| Dover | 29.916 |
| LONDON | 29.923 |
| Oxford | 29.924 |
| Cambridge | 29.912 |
| Yarmouth | 29.894 |



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 October.)

| STATIONS. | TEMPERATURE. | | | | RAINFALL (Inches.) |
|---------------|---------------|---------------|------------------|------|-----------------------|
| | Daily Max. | Daily Min. | Dry at 8 a.m. | Wet. | |
| Sumburgh Head | 49.8 | 41.6 | 46.0 | 44.3 | 4.27 |
| Stornoway | 51.0 | 40.5 | 45.0 | 44.5 | 5.04 |
| Wick | 51.7 | 40.5 | 46.3 | 44.6 | 3.02 |
| Nairn | 51.9 | 40.8 | 44.8 | 42.9 | 2.38 |
| Aberdeen | 52.5 | 41.4 | 45.6 | 43.6 | 2.87 |
| Leith | 54.7 | 41.8 | 46.7 | 44.9 | 1.97 |
| Shields | 53.2 | 42.7 | 47.2 | 45.4 | 2.48 |
| Spurn Head | 53.3 | 45.7 | 48.8 | 47.3 | 2.27 |
| York | 54.5 | 41.4 | 45.9 | 44.5 | 2.60 |
| Loughborough | 55.7 | 41.1 | 45.9 | 44.6 | 2.80 |
| Ardrossan | 53.7 | 43.7 | 47.8 | 45.8 | 3.87 |
| Mullaghmore | 54.2 | 45.7 | 49.1 | 46.0 | 4.75 |
| Donaghadee | 53.6 | 43.6 | 47.8 | 46.6 | 3.14 |
| Holyhead | 54.7 | 47.3 | 50.3 | 48.3 | 4.31 |
| Liverpool | 53.8 | 44.7 | 47.8 | 45.8 | 3.46 |
| Parsonstown | 54.8 | 41.0 | 46.2 | 44.5 | 3.16 |
| Valencia | 56.6 | 46.8 | 51.4 | 49.2 | 5.88 |
| Roche's Point | 56.0 | 46.1 | 50.2 | 48.3 | 4.09 |
| Pembroke | 54.9 | 48.0 | 51.2 | 49.2 | 3.96 |
| Scilly | 56.6 | 50.2 | 53.7 | 51.6 | 3.70 |
| Prawle Point | 56.7 | 46.2 | 51.2 | 49.6 | 3.60 |
| Jersey | 58.2 | 48.6 | 53.3 | 50.7 | 4.45 |
| Hurst Castle | 57.1 | 45.8 | 50.8 | 49.2 | 3.20 |
| Dover | 56.1 | 46.2 | 50.2 | 48.2 | 3.22 |
| LONDON | 56.7 | 42.7 | 47.5 | 45.9 | 2.57 |
| Oxford | 55.5 | 42.2 | 46.2 | 44.9 | 2.56 |
| Cambridge | 56.5 | 41.0 | 46.4 | 45.3 | 2.27 |
| Yarmouth | 54.3 | 44.6 | 49.0 | 47.6 | 2.92 |

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, 29.9 ins: and more to 29.7 ins: over Germany, the Baltic, the greater part of France and the northern half of Spain; 30.0 ins: and more at Lisbon.
Lowest, 29.5 ins: and less, over the Shetlands, and in a small depression at the mouth of the Bristol Channel.

Gradients have become very slight over our islands, but moderate in the Continent.

Barometer has apparently ceased rising on our western and southern coasts, but is still rising in the north.

TEMPERATURE

Highest, 60° and more over the southern half of France and above 50° over the Channel and Germany.

Lowest, 36° at Barrow-in-Worm, 37° at Helmsland, 40° at York.

The maxima recorded yesterday again succeeded 60° over the greater part of England, and touched 74° at Lyons, 77° at Biarritz, and 81° at Perpignan.

WIND

Light to moderate in force — Chiefly S³ over France, England, and the North Sea, N³, but variable over Scotland and Ireland.

WEATHER

In a changeable condition generally — temporarily clear in some localities, dull and showery in others, and foggy in several parts of England and the centre of Ireland.

Rain has again fallen generally, but the amounts are considerable only at Belfast, the stations in Kent and Sussex, and at Hornsey. Lightning has again been seen in the south.

SEA

Moderate to smooth.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

No very decided change is indicated. Mild damp air is probable over England.

FORECASTS

For the 24 hours ending at NOON on 8TH OCTOBER 1893.

DISTRICTS.

FORECASTS.

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

Variable light breezes; weather changeable some showers, bright intervals.

S² and Varying breezes; rain at times, then finer.

SW² and S² breezes; rain at times.

DISTRICTS.

FORECASTS.

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


Same as No 0 and 1.


NE² to NW² breezes, light; showery to fair.

Same as No 0 and 1.

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 ... | 29.35 | 54 | 50 | S | 4 | c | 3 | Valencia ... | 29.51 | 55 | 51 | N.E. | 3 | c | 3 |
| Sumburgh Head ... | 29.21 | 53 | 49 | N.E. | 2 | bc | 3 | Scilly ... | 29.44 | 60 | 56 | S | 5 | cp | 3 |
| Stornoway ... | 29.30 | 54 | 51 | N.E. | 2 | bc | 2 | Jersey ... | 29.61 | 66 | 59 | Sw | 4 | c | 4 |
| Aberdeen ... | 29.31 | 56 | 49 | W.W. | 2 | bc | 1 | Hurst Castle ... | 29.58 | 59 | 56 | Sw | 5 | bc | 4 |
| Shields ... | 29.39 | 56 | 51 | W | 3 | p | 2 | Dungeness ... | 29.59 | 59 | 54 | W | 4 | c | 3 |
| Ardrossan ... | 29.36 | 53 | 51 | W | 3 | bc | 2 | North Foreland ... | 29.58 | 62 | 54 | W | 4 | bc | 3 |
| Malin Head ... | 29.39 | 51 | 48 | N.W. | 4 | c | 2 | London ... | 29.56 | 61 | 52 | Sw | 3 | c | * |
| Mullaghmore ... | 29.52 | 53 | 48 | N.W. | 3 | bc | * | Yarmouth ... | 29.54 | 59 | 52 | N.W. | 4 | bc | 3 |
| Belmullet ... | 29.52 | 53 | 48 | N.W. | 3 | bc | * | Rochefort ... | 29.68 | 65 | 61 | S.W. | 6 | c | * |
| Holyhead ... | 29.47 | 51 | 53 | N.W. | 2 | bc | 2 | | | | | | | | |

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

Weather fine over the greater part of our Islands, but showery in the southwest of England. Cloudy over a considerable portion of the Continent, with rain at some of the Swedish, Danish, German, and French stations; fine and bright in Italy, Austria, and south Germany. Showers falling during day in many parts of the United Kingdom and considerable quantities of rain at our extreme southern stations, as well as in the Hebrides. Lightning seen at night over our south and southwest coasts and also at Skerry.

Temperature risen in most places. Morning readings highest 78° at Malta, 77° at Brindisi, and 75° at Cagliari, Palermo, Algiers and Aumale; above 60° over southern Europe generally, and very little below it in Germany. Lowest (1) 38° at York, 39° at Carnarvon, 41° at Shields and 43° at Valencia (Ireland); (2) 45° at Haparanda and Uleaborg. Rising during day to 60° and more at several of our central and southern stations, and reaching 66° at Jersey. Exceeding 70° in the south of France, the highest reading of all being 81° at Perpignan.

Wind light from the N^W or N^W^W over our extreme west and northwest coasts; SW¹ over England, France, Germany and Denmark and fresh or strong in force at some of the Channel stations. S¹ or SE¹ over Scandinavia, Russia, and the Baltic. Variable in Italy and Algeria. No important change occurring during day.

Barometer highest 30.1 ins. and upwards over the whole of southeastern Europe with the south of Italy and the eastern part of the Mediterranean. Lowest 29.2 ins. and less, in a shallow depression lying to the northward and northeastward of Scotland; 29.4 ins. and less in a still shallower system near Scilly. Latter disturbance moving very slowly northeastwards later, but barometer rising in most parts of Western Europe.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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, 3 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, 8TH OCTOBER, 1893

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. | | | 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). |
| | | Inch. | ° | | | | Inch. | ° | ° | ° | | | | | | | ° | Inch. | | |
| SCANDINAVIA. | Haparanda ... | 29.88 | 43 | N | 2 | bc | 29.85 | +30 | 41 | 41 | -3 | S | 2 | f | * | bc | 46 | 41 | — | |
| | Hernösand ... | 29.91 | 53 | 2 | 0 | f | 29.93 | +26 | 42 | 41 | +5 | 2 | 0 | f | * | f | 54 | 52 | 0.12 | |
| | Stockholm ... | 29.97 | 49 | 2 | 0 | 0 | 29.79 | -01 | 52 | 52 | +1 | 2 | 0 | f | * | f | 55 | 48 | 0.24 | |
| | Wisby ... | 29.95 | 50 | N | 2 | T | 29.82 | -07 | 53 | 54 | +4 | SW | 2 | f | * | T | 5 | 48 | 0.04 | |
| | Bodö ... | 29.86 | 45 | SW | 6 | T | 29.90 | +35 | 43 | 41 | -2 | E | 2 | 0 | 1 | T | 48 | 39 | 0.16 | |
| | Christiansund... | 29.76 | 45 | ESE | 2 | C | 29.81 | +18 | 44 | 43 | +2 | ENE | 1 | b | 4 | C | 53 | 42 | — | |
| | Skudesnaes ... | 29.75 | 52 | SSE | 4 | 0 | 29.85 | +20 | 50 | 50 | -3 | SE | 2 | 0 | 2 | 0 | 54 | 48 | — | |
| | Christiania Fjord (Fierder) | 29.80 | 51 | ENE | 5 | T | 29.85 | +10 | 49 | 46 | -3 | N | 4 | 0 | 1 | T | 54 | 48 | 0.02 | |
| | Skagen (The Scaw) | 29.78 | 49 | NE | 2 | 0 | 29.81 | +03 | 51 | 50 | +1 | NW | 2 | C | 0 | 0 | 54 | 48 | 0.20 | |
| | Fanö ... | 29.71 | 49 | 2 | 0 | C | 29.82 | +06 | 49 | 48 | +1 | E | 2 | C | * | C | 52 | 46 | 0.24 | |
| BRITISH ISLANDS. | Sumburgh Head | 29.61 | 47 | NNE | 2 | 0 | 29.75 | +26 | 48 | 46 | +1 | NE | 2 | 0 | 2 | f.o | 51 | 45 | 0.10 | |
| | Stornoway ... | 29.60 | 49 | NE | 4 | 0 | 29.68 | +13 | 48 | 48 | +1 | E | 4 | C | 4 | f.o | 50 | 45 | 0.12 | |
| | Wick ... | 29.66 | 50 | E | 2 | 0 | 29.70 | +18 | 50 | 49 | +4 | E | 4 | 0 | 2 | 0 | 51 | 44 | 0.06 | |
| | Nairn ... | 29.61 | 49 | 2 | 0 | C | 29.66 | +13 | 41 | 40 | -2 | 2 | 0 | C | 0 | C | 53 | 35 | — | |
| | Aberdeen ... | 29.64 | 46 | E | 1 | bc | 29.63 | +06 | 51 | 50 | +3 | ENE | 7 | 0 | 6 | bc. br | 54 | 40 | 0.16 | |
| | Leith ... | 29.60 | 49 | E | 1 | b | 29.53 | -02 | 51 | 50 | +3 | NE | 4 | 0 | * | T. b | 56 | 41 | 0.81 | |
| | Shields ... | 29.59 | 52 | 2 | 0 | m | 29.50 | -09 | 51 | 50 | +9 | W/N | 2 | T | 2 | f.c. T | 55 | 38 | 0.25 | |
| | Spurn Head ... | 29.56 | 53 | ESE | 2 | C | 29.53 | +02 | 52 | 50 | +1 | SW | 4 | C | 4 | C. f | 56 | 49 | 0.25 | |
| | York ... | 29.56 | 54 | SW | 1 | f | 29.56 | -02 | 50 | 50 | +10 | S | 1 | bc | * | f | 58 | 52 | 0.68 | |
| | Loughborough | 29.55 | 54 | SE | 1 | 0 | 29.62 | +03 | 48 | 47 | +4 | W/N | 2 | bc | * | ol. f | 64 | 44 | 0.30 | |
| GERMANY & HOLLAND. | Ardrossan ... | 29.56 | 52 | NNE | 1 | C | 29.56 | +01 | 47 | 47 | 0 | NNE | 2 | Tm | 1 | C. c | 60 | 45 | 0.60 | |
| | Malin Head ... | 29.58 | 50 | N | 2 | b | 29.62 | +08 | 50 | 48 | +3 | NW | 1 | ow | 1 | b | 55 | 46 | — | |
| | Mullaghmore ... | 29.64 | 44 | W/N | 2 | b | 29.66 | +06 | 51 | 49 | +5 | SW | 2 | b | * | C. b | 53 | 44 | 0.01 | |
| | Belmullet ... | 29.58 | 52 | N | 2 | bc | 29.60 | +02 | 50 | 48 | +6 | NNE | 5 | 0 | 3 | C. b | 53 | 42 | 0.16 | |
| | Donaghadee ... | 29.58 | 52 | N | 2 | bc | 29.60 | +02 | 50 | 48 | +6 | NNE | 5 | 0 | 3 | C. b | 53 | 42 | 0.16 | |
| | Liverpool (Bldaton) | 29.52 | 53 | E | 2 | T | 29.60 | +04 | 50 | 48 | +2 | W | 4 | 0 | 3 | T | 55 | 48 | 0.20 | |
| | Holyhead ... | 29.52 | 52 | ENE | 1 | Trgtl | 29.60 | +07 | 52 | 50 | +2 | NW | 2 | Cg | 2 | omg. bl | 56 | 49 | 0.91 | |
| | Parsonstown ... | 29.58 | 48 | SW | 1 | b | 29.62 | +04 | 52 | 51 | -4 | SE | 1 | b | * | b | 55 | 29 | — | |
| | Valencia ... | 29.63 | 50 | N | 2 | br | 29.75 | +12 | 53 | 58 | -3 | 2 | 0 | om | 1 | br. br | 56 | 35 | — | |
| | Roche's Point | 29.57 | 53 | NW | 2 | b | 29.74 | +17 | 46 | 44 | +1 | N | 1 | bc | 2 | b | 57 | 42 | — | |
| FRANCE AND BELGIUM. | Pembroke (St. Ann's Hd.) | 29.47 | 50 | NNE | 2 | T | 29.66 | +18 | 53 | 50 | +3 | NW | 2 | b | 2 | T | 54 | 49 | 0.07 | |
| | Scilly ... | 29.53 | 54 | NW | 4 | C | 29.69 | +22 | 54 | 50 | 0 | ESE | 2 | bc | 3 | C. f. l | 56 | 49 | 0.07 | |
| | Prawle Point ... | 29.48 | 50 | W/N | 2 | b | 29.72 | +20 | 52 | 50 | -3 | W | 2 | b | 1 | b | 57 | 47 | — | |
| | Jersey (St. Aubin's) | 29.50 | 60 | SE | 6 | C | 29.75 | +16 | 53 | 51 | -4 | W/N | 2 | C | 3 | C. f. l | 63 | 50 | 0.15 | |
| | Hurst Castle ... | 29.52 | 59 | SW | 6 | bc | 29.71 | +13 | 51 | 50 | -2 | NW | 1 | bc | 3 | C. f. l | 61 | 46 | 0.52 | |
| | Dungeness ... | 29.57 | 59 | SW | 5 | C | 29.69 | +10 | 58 | 54 | +1 | W | 4 | C | 5 | C. c | 62 | 56 | — | |
| | North Foreland | 29.60 | 58 | 2 | 5 | C | 29.71 | +10 | 56 | 53 | +1 | W | 1 | bc | 2 | C. c. l | 62 | 53 | — | |
| | London ... | 29.53 | 56 | SW | 3 | C | 29.72 | +13 | 49 | 48 | -4 | W/N | 2 | bc | * | C. f. l | 65 | 46 | 0.16 | |
| | Oxford ... | 29.53 | 50 | SE | 1 | C | 29.69 | +12 | 47 | 46 | -1 | SW | 2 | bc | * | C. f. l | 60 | 44 | 0.07 | |
| | Cambridge ... | 29.58 | 54 | SE | 1 | 0 | 29.68 | +08 | 49 | 49 | +2 | S | 3 | b | * | 0 | 64 | 45 | 0.13 | |
| PENINSULA. | Yarmouth ... | 29.60 | 53 | 2 | 3 | bc | 29.67 | +08 | 53 | 51 | 0 | SW | 4 | b | 3 | C. f. l | 58 | 50 | 0.24 | |
| | Cuxhaven ... | 29.73 | 53 | W/N | 2 | C | 29.85 | +06 | 54 | 53 | +3 | SE | 2 | C | * | C | 61 | 49 | 0.26 | |
| | Berlin ... | 29.80 | 63 | 2 | 0 | b | 29.90 | +02 | 55 | 55 | 3 | 2 | 0 | b | * | b | 70 | 55 | — | |
| | Wiesbaden ... | 29.86 | 57 | 2 | 0 | b | 29.93 | +03 | 56 | 55 | 3 | 2 | 0 | 0 | * | b | 63 | 54 | 0.20 | |
| | Munich ... | 29.86 | 57 | 2 | 0 | b | 29.94 | +05 | 50 | 48 | 3 | S | 1 | b | * | b | 70 | 46 | — | |
| | The Helder ... | 29.74 | 53 | 2 | 1 | b | 29.79 | +13 | 51 | 51 | -2 | SE | 1 | C | 1 | b | 59 | 50 | 0.08 | |
| | Brussels (9 a.m.) | * | * | * | * | * | 29.81 | +14 | 53 | 53 | +1 | SE | 2 | 0 | * | 0 | 60 | 53 | — | |
| | Cape Gris Nez | 29.53 | 53 | S | 4 | C | 29.66 | +08 | 58 | 55 | +3 | W/N | 4 | 0 | 4 | C | 61 | 52 | — | |
| | Paris ... | 29.72 | 56 | SE | 1 | 0 | 29.79 | +06 | 53 | 53 | 0 | S | 1 | 0 | * | 0 | 58 | 52 | 0.04 | |
| | Brest ... | 29.72 | 56 | NW | 2 | C | 29.79 | 2 | 53 | 50 | -3 | ESE | 2 | b | 3 | C | 61 | 48 | — | |
| FRANCE AND BELGIUM. | Lorient ... | 29.58 | 58 | W | 5 | C | 29.74 | +17 | 52 | 50 | -6 | E | 2 | bc | 4 | C | 63 | 50 | — | |
| | Rochefort ... | 29.66 | 61 | W/N | 4 | C | 29.76 | +06 | 53 | 53 | 2 | W/N | 2 | C | * | C. c | 64 | 54 | 0.04 | |
| | Belfort ... | 29.72 | 58 | E | 2 | C | 29.76 | 2 | 58 | 55 | +2 | NW | 2 | C | * | C | 66 | 50 | — | |
| | Lyons ... | 29.86 | 58 | N | 0 | T | 29.82 | +02 | 53 | 53 | -14 | N | 1 | 0 | * | T | 73 | 53 | 0.35 | |
| | Nice ... | 29.93 | 64 | E | 2 | bc | 29.95 | -02 | 61 | 56 | -5 | 2 | 0 | bc | 2 | bc | 72 | 59 | — | |
| | Perpignan ... | 29.73 | 73 | NW | 2 | 0 | 29.75 | -04 | 67 | 60 | +2 | S | 3 | C | * | 0 | 80 | 60 | — | |
| | Biarritz ... | 29.75 | 63 | E | 0 | 0 | 29.77 | +03 | 53 | 53 | -6 | ESE | 2 | b | 2 | 0 | 66 | 54 | 0.43 | |
| | Corunna ... | * | * | 2 | * | * | 29.83 | -06 | 61 | 57 | +1 | SW | 4 | C | * | bc. b | 63 | 55 | 0.28 | |
| | Lisbon ... | * | 57 | 2 | * | * | 29.83 | -06 | 61 | 57 | +1 | SW | 4 | C | * | bc. b | 63 | 55 | 0.28 | |
| | Lisbon ... | * | 57 | 2 | * | * | 29.83 | -06 | 61 | 57 | +1 | SW | 4 | C | * | bc. b | 63 | 55 | 0.28 | |

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, 8th October 1893.

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

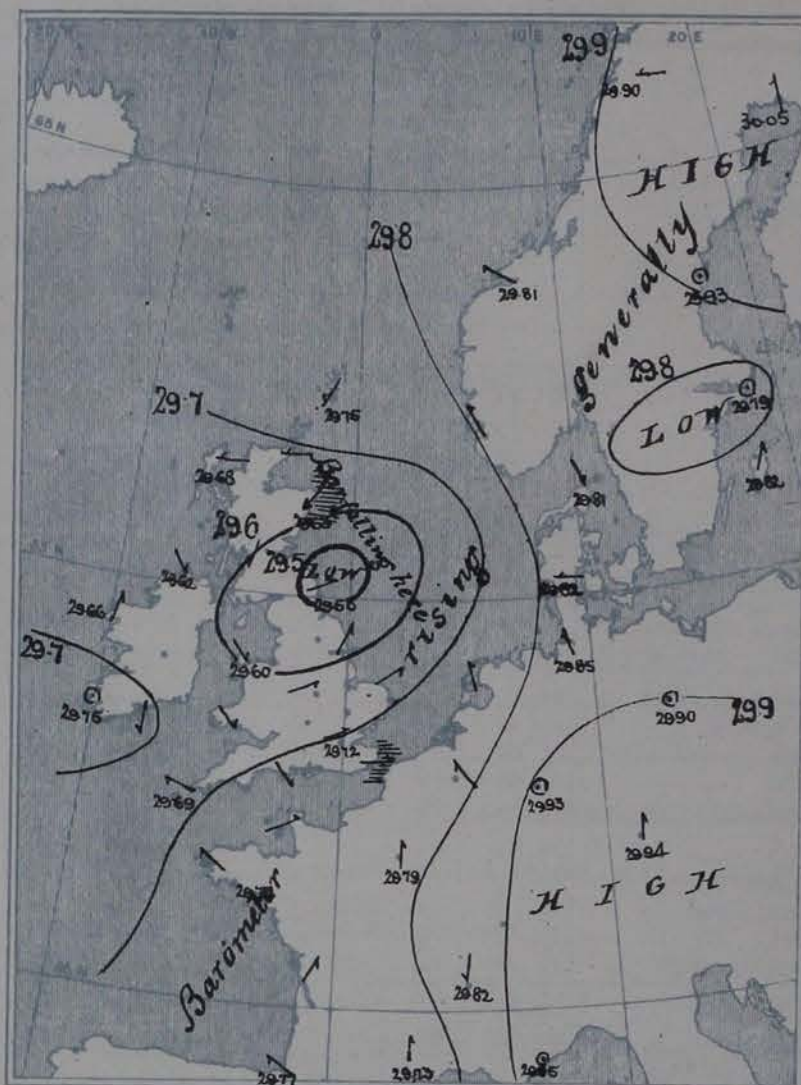
— = Rough. — = High.

MEAN HEIGHT OF THE BAROMETER

at 8.0 a.m. for the month of October

During the 20 Years 1871—1890.

| STATIONS. | MEAN READINGS. |
|---------------|----------------|
| Sumburgh Head | 29.726 |
| Stornoway | 29.750 |
| Wick | 29.763 |
| Nairn | 29.779 |
| Aberdeen | 29.793 |
| Leith | 29.822 |
| Shields | 29.846 |
| Spurn Head | 29.867 |
| York | 29.882 |
| Loughborough | 29.904 |
| Ardrossan | 29.831 |
| Mullaghmore | 29.845 |
| Donaghadee | 29.850 |
| Holyhead | 29.872 |
| Liverpool | 29.879 |
| Parsonstown | 29.897 |
| Valencia | 29.896 |
| Roche's Point | 29.892 |
| Pembroke | 29.888 |
| Scilly | 29.910 |
| Prawle Point | 29.931 |
| Jersey | 29.925 |
| Hurst Castle | 29.922 |
| Dover | 29.916 |
| LONDON | 29.923 |
| Oxford | 29.924 |
| Cambridge | 29.912 |
| Yarmouth | 29.894 |



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 October.)

| STATIONS. | TEMPERATURE. | | | | RAINFALL (Inches.) |
|---------------|---------------|---------------|-------------------|------|-----------------------|
| | Daily Max. | Daily Min. | Dry, at 8 a.m. | Wet. | |
| Sumburgh Head | 49.8 | 41.6 | 46.0 | 44.3 | 4.27 |
| Stornoway | 51.0 | 40.5 | 45.6 | 44.5 | 5.04 |
| Wick | 51.7 | 40.5 | 46.3 | 44.6 | 3.02 |
| Nairn | 51.9 | 40.8 | 44.8 | 42.9 | 2.38 |
| Aberdeen | 52.5 | 41.4 | 45.6 | 43.6 | 2.87 |
| Leith | 54.7 | 41.8 | 46.7 | 44.9 | 1.97 |
| Shields | 53.2 | 42.7 | 47.2 | 45.4 | 2.48 |
| Spurn Head | 53.3 | 45.7 | 48.8 | 47.3 | 2.27 |
| York | 54.5 | 41.4 | 45.9 | 44.5 | 2.60 |
| Loughborough | 55.7 | 41.1 | 45.9 | 44.6 | 2.80 |
| Ardrossan | 53.7 | 43.7 | 47.8 | 45.8 | 3.87 |
| Mullaghmore | 54.2 | 45.7 | 49.1 | 46.9 | 4.75 |
| Donaghadee | 53.6 | 43.6 | 47.8 | 46.6 | 3.14 |
| Holyhead | 54.7 | 47.3 | 50.3 | 48.3 | 4.31 |
| Liverpool | 53.8 | 44.7 | 47.8 | 45.8 | 3.46 |
| Parsonstown | 54.8 | 41.0 | 46.2 | 44.5 | 3.16 |
| Valencia | 56.6 | 46.8 | 51.4 | 49.2 | 5.88 |
| Roche's Point | 56.0 | 46.1 | 50.2 | 48.3 | 4.00 |
| Pembroke | 54.9 | 48.0 | 51.2 | 49.2 | 3.96 |
| Scilly | 56.6 | 50.2 | 53.7 | 51.6 | 3.70 |
| Prawle Point | 56.7 | 46.2 | 51.2 | 49.6 | 3.60 |
| Jersey | 58.2 | 48.6 | 53.3 | 50.7 | 4.45 |
| Hurst Castle | 57.1 | 45.8 | 50.8 | 49.2 | 3.26 |
| Dover | 56.1 | 46.2 | 50.2 | 48.2 | 3.22 |
| LONDON | 56.7 | 42.7 | 47.5 | 45.9 | 2.57 |
| Oxford | 55.5 | 42.2 | 46.2 | 44.9 | 2.56 |
| Cambridge | 56.5 | 41.0 | 46.4 | 45.3 | 2.27 |
| Yarmouth | 54.3 | 44.6 | 49.0 | 47.6 | 2.92 |

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 29.7 inches and more to 29.8 inches, (1) over Scandinavia and (2) over the Iberian Peninsula.
Lowest 29.5 inches and less in a depression over the North Sea; 29.7 inches and less in another over the Bay of Biscay.

Gradients very variable, both in direction and strength — somewhat steep for easterly winds over the northern coast of Scotland.
Barometer falling in Scotland, rising over England and Ireland, apparently falling again over the coast of France.

TEMPERATURE

Highest 60° to 61° in the extreme south of France and about 58° over the remainder of France and the southern half of the British Isles.
Lowest (1) 41° at Papeete, 39° at Valence (Ireland) 41° at Vain (2) 41° at Haparanda, 42° at Helsingfors.
The maxima have again been above 60° over our southern and midland counties. The minima over Central and southwestern Ireland have been very low; viz. 29° at Papeete, 35° at Valence.

WIND

Very variable in direction, mostly light in force, but a moderate gale from E.N.E. is reported at Aberdeen, and a moderate but increasing easterly breeze at Wick.

A very strong squall and shower, from the South-westward passed over London at about 11 p.m. yesterday.

WEATHER

Dull and rainy over Scotland (especially the north-east) fair generally elsewhere, but with somewhat unsettled cirriform clouds passing quickly over London from the S.W.
Rain has again been pretty general over the United Kingdom and North Sea — heavy at Belmullet and over the north of England, and south of Scotland. Lightning and thunder have occurred in many places — most in the south.

SEA

Rough on the east coast of Scotland, and at the North Foreland, slight to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

For the 24 hours ending at NOON on 9th October 1893.

DISTRICTS.

FORECASTS.

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

None

DISTRICTS.

FORECASTS.

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

None

WARNINGS

The N. Cone has been hoisted in district 0 & 1

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 ... | 29.71 | 52 | 51 | S | 6 | o | 4 | Valencia ... | 29.62 | 55 | 51 | N | 2 | br | 2 |
| Sumburgh Head ... | 29.59 | 48 | 47 | NNE | 3 | f | 3 | Scilly ... | 29.49 | 55 | 53 | NNE | 4 | c.p | 3 |
| Stornoway ... | 29.59 | 48 | 48 | N | 3 | 7 | 3 | Jersey ... | 29.53 | 62 | 58 | NNE | 5 | bc.p | 5 |
| Aberdeen ... | 29.61 | 52 | 49 | E | 1 | bc | 1 | Hurst Castle ... | 29.53 | 58 | 56 | SEW | 6 | c.p.g | 4 |
| Shields ... | 29.59 | 54 | 50 | NE | 2 | c | 2 | Dungeness ... | 29.61 | 61 | 57 | SW | 4 | bc | 4 |
| Ardrossan ... | 29.59 | 55 | 52 | NW | 2 | c | 1 | North Foreland ... | 29.63 | 60 | 56 | S | 2 | c | 3 |
| Malin Head ... | 29.56 | 55 | 49 | SW | 1 | c | 2 | London ... | 29.58 | 62 | 55 | S | 2 | c | * |
| Mullaghmore ... | | | | | | | | Yarmouth ... | 29.60 | 58 | 56 | S | 4 | c | 4 |
| Belmullet ... | 29.62 | 53 | 47 | NNW | 3 | c | * | Rochefort ... | 29.67 | 61 | 57 | SW | 4 | o | * |
| Holyhead ... | 29.53 | 55 | 52 | ESE | 2 | omg | 1 | | | | | | | | |

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

Weather changeable and unsettled over the United Kingdom with rain or passing showers in several places and with fog over Central Ireland and the north of England. Fine in Austria, Italy, Algeria and the south of France; cloudy or overcast in other parts of the Continent, with rain in the southwest of France, as well as at Kharshov. Heavy rain falling later in several parts of the United Kingdom and France; thunder and lightning occurring over the south and east of England and also at Holyhead.

Temperature fallen in the west and north of our islands, changed irregularly elsewhere. Morning readings highest 76° at Malta and 75° at Alexandria, Cagliari and La Calle and 74° at Algiers; above 60° over Southern Europe generally and very little below that point at some of the German stations. Lowest (1) 36° at Posen town, 41° at Shields and 40° at Värin (2) 37° at Bernand, 42° at Archangel and 40° at Uleaborg. Rising during day to between 60° and 65° over the central and southern parts of England to 70° or more at several of the French and German stations and to 80° or more over the central and southern parts of Italy, the highest reading of all being 81° at Palermo.

Wind light from the northward over the greater parts of Ireland and Scotland, southerly at most of the English and French stations, as well as on the eastern shore of the North Sea, but easterly or northeasterly at the mouth of the English and Bristol Channels. Southeasterly in Germany and also in the west of Norway; southeasterly over Sweden and the northern and central parts of Russia. Variable in Austria, northerly or northeasterly in Italy; southeasterly in Spain. Light easterly breeze settling in later over the northern parts of Great Britain, no important change occurring elsewhere.

Barometer highest 30.2 inches and upwards over the south of Russia. Lowest 29.5 inches and less in a small shallow depression lying off the north of Scotland, and also in another disturbance near the mouth of the Bristol Channel. Former depression subsequently disappearing; latter becoming more clearly defined and moving slowly eastwards.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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, 9th October,

1893

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 Yesterday Morn. | Dry Bulb. | Wet Bulb. | Change in dry since Yesterday. | | | Dirce. | Force (0 to 12). | | Max. | Min. |
| | | Inch. | ° | | | | Inch. | | | | | | | | | | | Inch. | | |
| SCANDINAVIA. | Haparanda ... | 30.09 | 41 | Z | 0 | 1 | 30.24 | +19 | 41 | 41 | 0 | Z | 0 | 0 | # | 1 | 43 | 39 | 0.08 | |
| | Hernösand ... | 30.08 | 45 | Z | 0 | 0 | 30.25 | +32 | 44 | 42 | +2 | Z | 0 | f | # | 0 | 48 | 39 | 0.20 | |
| | Stockholm ... | 30.07 | 49 | Z | 0 | 0 | 30.21 | +42 | 47 | 46 | -5 | EHE | 2 | 0 | # | 0 | 55 | 46 | | |
| | Wisby ... | 30.05 | 52 | WSW | 2 | 0 | 30.16 | +34 | 51 | 50 | -4 | E | 4 | 0 | # | 0 | 57 | 48 | | |
| | Bedö ... | 29.94 | 47 | E | 2 | 6 | 30.09 | +19 | 44 | 40 | +1 | E | 2 | 6 | 1 | 6 | 50 | 39 | | |
| | Christiansund... | 30.02 | 47 | SSW | 1 | C | 30.03 | +22 | 44 | 41 | 0 | Z | 0 | C | 3 | C | 54 | 43 | | |
| | Skudesnaes ... | 29.90 | 53 | SE | 2 | 0 | 30.01 | +16 | 54 | 50 | +4 | SE | 6 | C | 4 | 0 | 57 | 50 | | |
| | Christiania Fjord (Færder) | 30.01 | 51 | NE | 2 | 0 | 30.14 | | 50 | 48 | +1 | NHE | 2 | 0 | 1 | 0 | 54 | 49 | | |
| | Skagen (The Scaw) | 30.01 | 51 | N | 2 | bc | 30.08 | +27 | 53 | 51 | +2 | E | 2 | C | 0 | bc | 54 | 48 | 0.04 | |
| | Fanö ... | 29.93 | 50 | SE | 1 | b | 29.99 | +17 | 51 | 51 | +2 | SE | 1 | 0 | # | 6 | 55 | 46 | | |
| ISLANDS. | Sumburgh Head | 29.69 | 49 | NE | 4 | 1 | 29.70 | -05 | 50 | 49 | +2 | SW | 1 | 0 | 4 | 1 | 51 | 47 | 0.82 | |
| | Stornoway ... | 29.65 | 48 | NE | 3 | 1 | 29.73 | +05 | 45 | 44 | -3 | NE | 2 | bc | 3 | 1 | 51 | 42 | 0.76 | |
| | Wick ... | 29.47 | 50 | E | 8 | 1 | 29.73 | +03 | 47 | 46 | -3 | S | 2 | C | 4 | 1 | 51 | 45 | 0.60 | |
| | Nairn ... | 29.52 | 49 | NE | 3 | 1 | 29.77 | +11 | 45 | 43 | +4 | Z | 0 | C | 1 | 1 | 50 | 39 | 0.72 | |
| | Aberdeen ... | 29.51 | 49 | SSW | 3 | 0.9 | 29.85 | +22 | 47 | 44 | -4 | SSW | 2 | bmw | 4 | 0.9 | 52 | 37 | 0.34 | |
| | Leith ... | 29.60 | 48 | WSW | 4 | b | 29.83 | +30 | 47 | 44 | -4 | Z | 0 | om | # | 6 | 54 | 36 | 0.04 | |
| | Shields ... | 29.66 | 51 | WSW | 3 | bc | 29.85 | +35 | 45 | 44 | -6 | Z | 0 | f | 2 | bc | 57 | 40 | | |
| | Spurn Head ... | 29.75 | 54 | S | 2 | C | 29.82 | +23 | 54 | 53 | +2 | E | 3 | bcw | 3 | C | 59 | 48 | | |
| | York ... | 29.74 | 52 | W | 1 | b | 29.84 | +28 | 45 | 45 | -5 | WNW | 1 | f | # | 6 | 59 | 35 | | |
| | Loughborough | 29.79 | 50 | WSW | 1 | C | 29.84 | +22 | 38 | 38 | -10 | Z | 0 | ofw | # | C | 63 | 32 | | |
| BRITISH ISLANDS. | Ardrossan ... | 29.65 | 49 | WNW | 1 | b | 29.77 | +21 | 45 | 44 | -2 | NE | 3 | omw | 1 | 6 | 51 | 42 | 0.32 | |
| | Malin Head ... | 29.66 | 50 | S | 1 | b | 29.75 | +13 | 47 | 44 | -3 | S | 2 | or | 1 | 6 | 55 | 46 | | |
| | Mullaghmore ... | | | | | | | | | | | | | | | | | | | |
| | Belmullet ... | 29.70 | 49 | NW | 3 | C | 29.76 | +10 | 47 | 43 | -4 | SE | 2 | bc | # | bc, C | 54 | 41 | 0.01 | |
| | Donaghadee ... | 29.70 | 47 | WSW | 2 | bc | 29.79 | +19 | 46 | 45 | -4 | SE | 3 | 0 | 2 | bc | 57 | 44 | 0.02 | |
| | Liverpool (Bldon) | 29.77 | 51 | W | 1 | b | 29.81 | +21 | 46 | 45 | -4 | ESE | 1 | bf | 3 | 6 | 56 | 43 | 0.01 | |
| | Holyhead ... | 29.73 | 51 | SW | 1 | C | 29.74 | +14 | 50 | 48 | -2 | E | 1 | bcw | 2 | 6, C | 55 | 44 | | |
| | Parsonstown ... | 29.72 | 49 | S | 1 | C | 29.77 | +17 | 43 | 42 | +11 | NW | 1 | or | # | C, or | 55 | 31 | 0.31 | |
| | Valencia ... | 29.78 | 51 | N | 3 | 0 | 29.79 | +04 | 47 | 44 | +8 | Z | 0 | 6 | 1 | 0 | 56 | 38 | 0.02 | |
| | Roche's Point | 29.74 | 49 | SSE | 1 | C | 29.74 | 00 | 45 | 45 | -1 | N | 3 | 1 | 3 | C | 53 | 43 | 0.35 | |
| GERMANY & HOLLAND. | Pembroke (St. Ann's Hd.) | 29.74 | 53 | N | 1 | C | 29.69 | +03 | 49 | 47 | -4 | EHE | 4 | C | 3 | C | 65 | 46 | | |
| | Scilly ... | 29.67 | 55 | E | 5 | 0 | 29.62 | -07 | 57 | 55 | +3 | E | 4 | C | 3 | tl, r | 57 | 50 | 0.18 | |
| | Prawle Point ... | 29.76 | 53 | ESE | 2 | b | 29.65 | -07 | 59 | 58 | +7 | ESE | 2 | cg | 1 | 6, tl | 60 | 50 | 0.18 | |
| | Jersey (St. Aubin's) | 29.76 | 58 | NE | 3 | b | 29.64 | -11 | 56 | 55 | +1 | EHE | 4 | cm | 3 | 6, lw | 64 | 54 | | |
| | Hurst Castle ... | 29.75 | 57 | SSW | 3 | bc | 29.71 | 00 | 56 | 55 | +5 | EHE | 3 | cm | 3 | bc, r | 64 | 50 | 0.13 | |
| | Dungeness ... | 29.78 | 59 | Z | 0 | b | 29.71 | 00 | 58 | 55 | +2 | ESE | 3 | bc | 3 | 6 | 64 | 54 | | |
| | North Foreland | 29.80 | 55 | N | 1 | b | 29.74 | +05 | 58 | 56 | 0 | E | 4 | cg | 4 | 6 | 62 | 54 | | |
| | London ... | 29.79 | 54 | SSE | 1 | b | 29.76 | +04 | 51 | 50 | +2 | SE | 1 | om | # | C, bw, omw | 61 | 44 | | |
| | Oxford ... | 29.81 | 49 | Z | 0 | b | 29.77 | +08 | 44 | 43 | -3 | N | 2 | 6 | # | 6 | 62 | 38 | | |
| | Cambridge ... | 29.81 | 51 | S | 1 | b | 29.79 | +11 | 45 | 45 | -4 | WNW | 2 | 0 | # | 6 | 63 | 36 | | |
| FRANCE AND BELGIUM. | Yarmouth ... | 29.76 | 57 | WSW | 2 | b | 29.80 | +18 | 57 | 55 | +4 | E | 3 | cw | 3 | 6 | 60 | 50 | | |
| | Cuxhaven ... | ? | 54 | ESE | 1 | C | 29.99 | +14 | 54 | 53 | 0 | E | 2 | bc | # | C | 61 | 52 | | |
| | Berlin ... | 29.92 | 64 | Z | 0 | b | 29.97 | +07 | 59 | 57 | +4 | Z | 0 | C | # | 6 | 70 | 57 | | |
| | Wiesbaden ... | * | * | * | * | * | 29.87 | -06 | 57 | 56 | +1 | Z | 0 | bc | # | * | 64 | 52 | | |
| | Munich ... | 30.03 | 59 | W | 3 | bc | 29.99 | +05 | 56 | 54 | +6 | SW | 1 | 0 | # | bc | 70 | 50 | | |
| | The Helder ... | 29.93 | 53 | S | 1 | b | 29.88 | +09 | 55 | 53 | +4 | E | 2 | C | 2 | 6 | 59 | 50 | | |
| | Brussels (9 a.m.) | * | * | * | * | * | 29.78 | -03 | 56 | 55 | +1 | ESE | 4 | C | # | f | 60 | 48 | 0.12 | |
| | Cape Gris Nez | 29.77 | 55 | SW | 2 | b | 29.72 | +06 | 52 | 50 | -6 | ESE | 3 | C | 2 | 6 | 61 | 48 | | |
| | Paris ... | 29.82 | 57 | E | 1 | b | 29.70 | -09 | 55 | 54 | +2 | EHE | 2 | 0 | # | 6 | 62 | 50 | 0.08 | |
| | Brest ... | ? | 57 | SE | 2 | C | ? | ? | 53 | 53 | 0 | E | 2 | 1 | 3 | C | 59 | 52 | 0.08 | |
| PENIN- SULA. | Lorient ... | 29.70 | 59 | ESE | 4 | bc | 29.58 | -16 | 53 | 52 | +1 | ESE | 3 | C | 2 | bc | 64 | 50 | 0.32 | |
| | Rochefort ... | 29.66 | 62 | SSE | 3 | b | 29.53 | -18 | 53 | 53 | -2 | S | 3 | 1 | # | 6 | 72 | 52 | 0.55 | |
| | Belfort ... | ? | 61 | NHE | 2 | bc | ? | ? | 64 | 59 | +6 | EHE | 3 | bc | # | bc | 72 | 53 | | |
| | Lyons ... | 29.81 | 58 | NHE | 1 | 0 | 29.72 | -10 | 60 | 54 | +7 | WSW | 1 | 6 | # | 0, l | 69 | 53 | | |
| | Nice ... | 29.92 | 68 | Z | 0 | C | 29.91 | -04 | 69 | 56 | +8 | Z | 0 | C | 3 | C | 72 | 61 | | |
| | Perpignan ... | 29.73 | 68 | Z | 0 | C | 29.71 | -02 | 66 | 58 | -1 | SSE | 2 | 6 | # | C | 79 | 63 | | |
| | Biarritz ... | 29.67 | 65 | S | 3 | b | 29.73 | -04 | 56 | 48 | +1 | SW | 5 | 6 | 2 | 6 | 73 | 52 | 0.04 | |
| | Corunna .. | * | * | * | * | * | 30.10 | +27 | 59 | 54 | -2 | WSW | 3 | 6 | * | 6 | 63 | 54 | 0.12 | |
| | Lisbon ... | 29.93 | 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 Monday, 9th October, 1893.

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

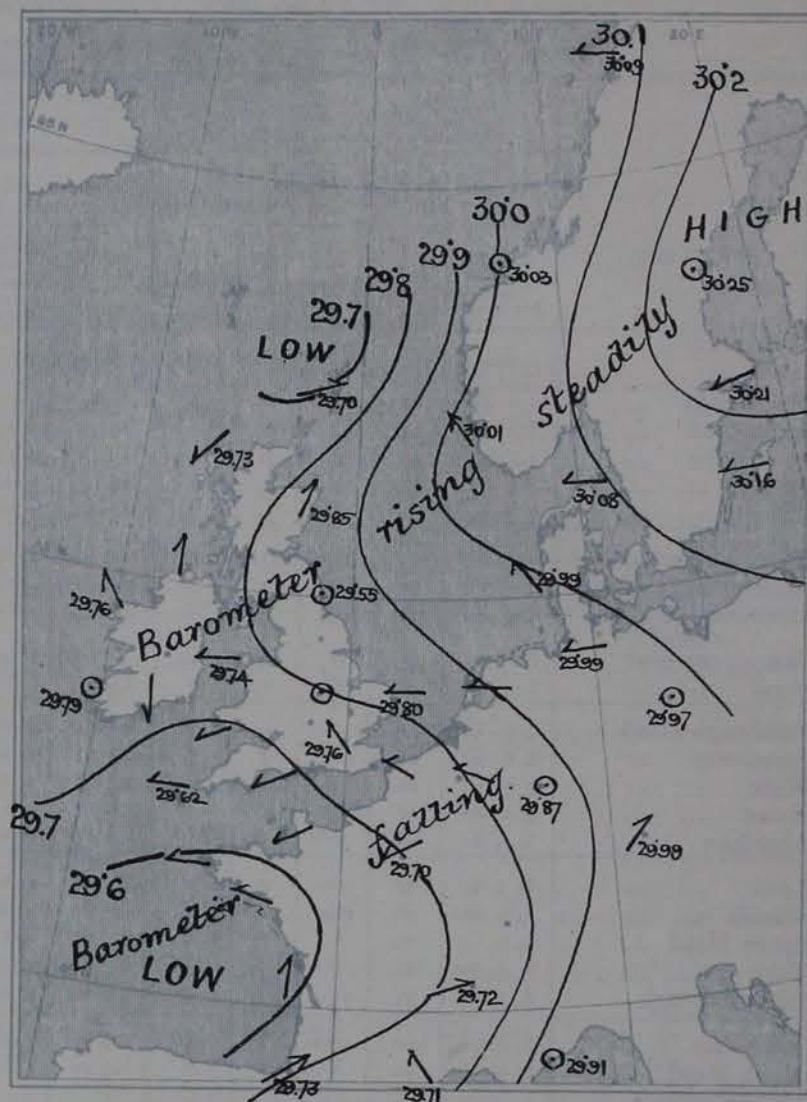
at 8.0 a.m. for the month of October

During the 20 Years 1871-1890.

STATIONS.

MEAN READINGS.

| STATIONS. | MEAN READINGS. |
|---------------|----------------|
| Sumburgh Head | 29.720 |
| Stornoway | 29.750 |
| Wick | 29.763 |
| Nairn | 29.779 |
| Aberdeen | 29.793 |
| Leith | 29.822 |
| Shields | 29.846 |
| Spurn Head | 29.867 |
| York | 29.882 |
| Loughborough | 29.904 |
| Ardrossan | 29.931 |
| Mullaghmore | 29.945 |
| Donaghadee | 29.959 |
| Holyhead | 29.972 |
| Liverpool | 29.979 |
| Parsonstown | 29.987 |
| Valencia | 29.996 |
| Roche's Point | 29.992 |
| Pembroke | 29.988 |
| Scilly | 29.910 |
| Prawle Point | 29.931 |
| Jersey | 29.925 |
| Hurst Castle | 29.922 |
| Dover | 29.916 |
| LONDON | 29.923 |
| Oxford | 29.924 |
| Cambridge | 29.912 |
| Yarmouth | 29.894 |



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.

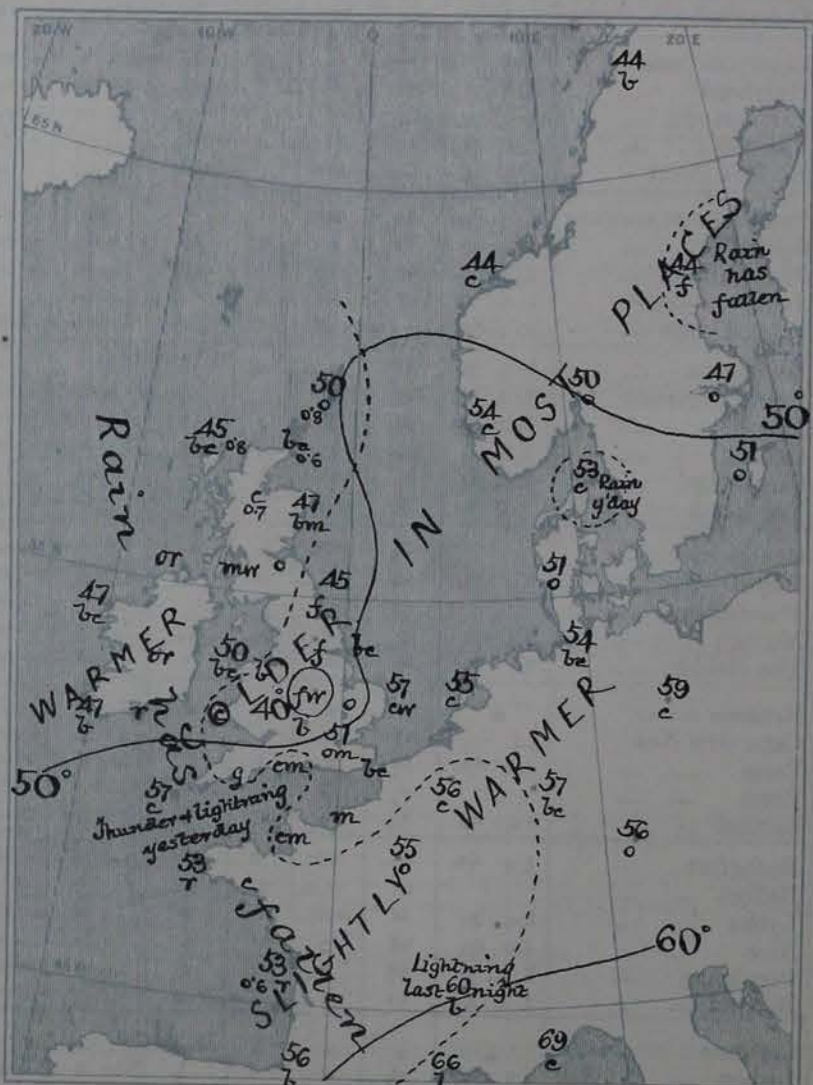
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL

(For the month of October.)

| STATIONS. | TEMPERATURE. | | | | RAINFALL (Inches.) |
|---------------|---------------|---------------|-------------------|------|-----------------------|
| | Daily Max. | Daily Min. | at 8 a.m. Dry. | Wet. | |
| Sumburgh Head | 49.8 | 41.6 | 46.0 | 44.3 | 4.27 |
| Stornoway | 51.0 | 40.5 | 45.6 | 44.5 | 5.04 |
| Wick | 51.7 | 40.5 | 46.3 | 44.6 | 3.02 |
| Nairn | 51.9 | 40.8 | 44.8 | 42.9 | 2.38 |
| Aberdeen | 52.5 | 41.4 | 45.6 | 43.6 | 2.87 |
| Leith | 54.7 | 41.8 | 46.7 | 44.9 | 1.97 |
| Shields | 53.2 | 42.7 | 47.2 | 45.4 | 2.48 |
| Spurn Head | 53.3 | 45.7 | 48.8 | 47.3 | 2.27 |
| York | 54.5 | 44.4 | 45.9 | 44.5 | 2.60 |
| Loughborough | 55.7 | 41.1 | 45.9 | 44.6 | 2.80 |
| Ardrossan | 53.7 | 43.7 | 47.8 | 45.8 | 3.87 |
| Mullaghmore | 54.2 | 45.7 | 49.1 | 46.9 | 4.75 |
| Donaghadee | 53.6 | 43.6 | 47.8 | 46.6 | 3.14 |
| Holyhead | 54.7 | 47.3 | 50.3 | 48.3 | 4.31 |
| Liverpool | 53.8 | 44.7 | 47.8 | 45.8 | 3.46 |
| Parsonstown | 54.8 | 41.0 | 46.2 | 44.6 | 3.16 |
| Valencia | 56.6 | 46.8 | 51.4 | 49.2 | 4.09 |
| Roche's Point | 56.0 | 46.1 | 50.2 | 48.3 | 3.88 |
| Pembroke | 54.9 | 48.0 | 51.2 | 49.2 | 3.96 |
| Scilly | 56.6 | 50.2 | 53.7 | 51.6 | 3.70 |
| Prawle Point | 56.7 | 46.2 | 51.2 | 49.0 | 3.60 |
| Jersey | 58.2 | 48.6 | 53.3 | 50.7 | 4.45 |
| Hurst Castle | 57.1 | 45.8 | 50.8 | 49.2 | 3.28 |
| Dover | 56.1 | 46.2 | 50.2 | 48.2 | 3.22 |
| LONDON | 56.7 | 42.7 | 47.5 | 45.8 | 2.57 |
| Oxford | 55.5 | 42.2 | 46.2 | 44.9 | 2.56 |
| Cambridge | 56.5 | 41.0 | 46.4 | 45.3 | 2.27 |
| Yarmouth | 54.3 | 44.6 | 49.0 | 47.6 | 2.92 |

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 the Baltic and Scandinavia exceeding 29.8 ins. over the N. and N.E. of England.
Lowest (1) 29.7 ins. and less over the Shetlands; (2) 29.6 ins. and less in a new disturbance over the Bay of Biscay.

Gradients were slight or moderate, excepting between the Shetlands and the Norwegian coasts.

Barometer was rising except in the far south, where it was falling again rather decidedly.

TEMPERATURE

Highest 60° to 69° in the south of France, 56° to 59° at the Channel Stations.

Lowest 44° at the most northern of our Scandinavian stations, 45° at Nairn & over the N.E. of England, 48° at Harwich.
It has been considerably below 40° in many parts of St. Britain during the night. In Ireland it has risen fast since yesterday.

WIND

Very light and variable at the northern stations; light to moderate from the End over the southern parts of England and the Channel, moderate S^W in the Southwest of France.

A fresh to strong gale from the End was felt in the northeast and east of Scotland yesterday.

WEATHER

Fine at most stations, dull on our northwestern coasts, with rain in Ireland; dull and very rainy also in the west of France. Heavy rain has fallen over the northern half of Scotland; showers in Ireland and at several French stations. Thunder & lightning have again occurred at some Channel stations.

SEA

Moderate in the north, but going down; slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The new depression in the South is likely to cause rain over the southern half of England and the Channel, with freshening E^{ly} winds. In the north fine weather is probable, and a cold night - fog or haze in morning.

FORECASTS

For the 24 hours ending at NOON on 10th October 1893.

DISTRICTS.

FORECASTS.

DISTRICTS.

FORECASTS.

0 SCOTLAND
NORTH

1 SCOTLAND
EAST

2 ENGLAND
N.E.

3 ENGLAND
EAST

4 MIDLAND
COUNTIES

5 ENGLAND
SOUTH

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

E^{ly} breezes, freshening somewhat,
fine at first, rainy later.

6 SCOTLAND
WEST

7 ENGLAND
N.W.

8 ENGLAND
S.W.

9 IRELAND
NORTH

10 IRELAND
SOUTH

Same as N^{os} 0 to 2.

E^{ly} breezes, light to moderate; fair.

E^{ly} breezes, fresh; rain at times.

Varying winds; fair as a whole,
cold to night.

WARNINGS

The NORTH CONE hoisted on
the Scotch coasts yesterday has
been lowered this morning.

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

YESTERDAY'S 2 P.M. REPORTS.

| | BAR. | THER. | | WIND. | P. | WEA. | SEA. | | BAR. | THER. | | WIND. | P. | WEA. | SEA. |
|-------------------|-------|-------|------|-------|----|------|------|--------------------|-------|-------|------|-------|----|------|------|
| | | Dry. | Wet. | Dir. | | | | | | Dry. | Wet. | Dir. | | | |
| Skudesnaes ... | 29.89 | 57 | 52 | ESE | 2 | 0 | 2 | Valencia ... | | | | | | | |
| Sumburgh Head ... | | | | | | | | Scilly ... | 29.78 | 61 | 55 | SSE | 3 | 6 | 3 |
| Stornoway ... | 29.68 | 50 | 49 | NE | 4 | 0 | 4 | Jersey ... | | | | | | | |
| Aberdeen ... | | | | | | | | Hurst Castle ... | | | | | | | |
| Shields ... | | | | | | | | Dungeness ... | 29.77 | 62 | 56 | WSW | 3 | 6c | 3 |
| Ardrossan ... | | | | | | | | North Foreland ... | 29.75 | 58 | 52 | E | 2 | 6 | 2 |
| Malin Head ... | 29.64 | 45 | 50 | W | 2 | 6 | 1 | London ... | | | | | | | * |
| Mullaghmore ... | | | | | | | | Yarmouth ... | | | | | | | |
| Belmullet ... | 29.68 | 52 | 50 | WSW | 2 | 6c | * | Rochefort ... | 29.70 | 68 | 62 | SSE | 3 | 6 | * |
| Holyhead ... | 29.71 | 55 | 52 | WNW | 2 | 6 | 2 | | | | | | | | |

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

Weather fine in all the more southern parts of the United Kingdom as well as in most parts of Central, Southern and Southeastern Europe. Dull over the northern parts of our Islands and the Continent, and also over Central France; rain falling on the northeast coasts of Great Britain, as well as at Helsingfors and Helsingfors. Rain falling later in the west and north of our Islands generally as well as in France and the extreme south of England;—amounts large in the north of Scotland. Thunder and lightning occurring at Scilly and Ptaoule Point, and lightning seen at Jersey and Lyons.

Temperatures changed rather irregularly, but fallen in most places. Morning readings, highest 70° at Tunis, 77° at Odessa, Cagliari and Malta and 76° at Palermo, above 60° in most parts of Southern Europe, and above 55° in the south of Russia. Lowest (1) 31° at Kapaevsk, 29° at Uleaborg, and 42° at Helsingfors and Kieff; (2) 22° at Pervomorsk and 4° at Vain. Rising during day to between 60° and 65° over the Central and southern parts of England, reaching 70° or more at several of the French and German stations, the highest reading of all being 79° at Perpignan.

Wind variable in the western parts of the United Kingdom, Southerly or Southwesterly on the east of England, Southeasterly over the eastern shores of the North Sea, Easterly or Northeasterly in Scotland, with a moderate gale at Aberdeen. Calm in Sweden, light from the Southeasterly over the greater part of Russia, variable in Germany and Austria; Northerly or Northwesterly in Italy. Light from the Southerly or Southwesterly in Spain, and from the East or Southeast in the west of France. Subsequently increasing to a fresh to strong gale from the East in the north of Scotland, but subsiding again towards evening.

Barometer highest 30.2 inches and upwards in an anticyclone lying over the southern parts of Russia. Lowest 29.5 inches and less in a small depression off the Northumberland coast. 29.4 inches and less in a very shallow system over the south of Sweden. Depression off our northeast coast subsequently moving northwards, new disturbance beginning to form over the Bay of Biscay.

SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD

FROM THE 1ST TO THE 7TH OCTOBER 1893.

The two main features in the weather of this week have been:—

(1) The prevalence of showery weather over all parts of our Islands and neighbouring countries, (a condition brought about by depressions of no great intensity, although the barometer has been low). These have advanced chiefly over the more northern parts of our area, while their secondary (often very slight) have moved over the southern districts. That observed later, however, came over our southwestern coasts.

(2) The almost daily recurrence of thunder and lightning, more particularly at the western and southern stations. There have been observed chiefly at evening or night; the thunder has not been at all heavy, but the flashes of lightning have on some occasions been frequent.

Southwesterly and Westerly winds have been prevalent during the earlier days and, indeed, were the dominant winds over the southern part of the Kingdom throughout the week. After Tuesday, however, Easterly and Northerly winds began to spread over many parts of Scotland and Ireland, but were weak, and their temperature was low inland. At the close of the week the depression was moving northwards and the showers at our southern stations were decreasing. The appearance, however, was far from being settled.

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.

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„ Weekly „ „ „ £1 10 0 „

DAILY WEATHER REPORT

for 8 a.m. on TUESDAY, 10TH OCTOBER. 1893

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 ... | 29.53 | 42 | 2 | 0 | 0 | 29.40 | +16 | 43 | 42 | +2 | S | 2 | 0 | * | 0 | 43 | 41 | — | | |
| | Hernösand ... | 29.96 | 44 | 2 | 0 | 0 | 29.51 | +06 | 45 | 44 | +1 | E | 2 | 7 | * | 0 | 46 | 41 | 0.04 | | |
| | Stockholm ... | 30.30 | 46 | NE | 2 | 0 | 30.19 | -02 | 45 | 43 | +2 | E | 4 | 0 | * | 0 | 52 | 43 | — | | |
| | Wisby ... | 30.21 | 49 | ESE | 4 | 0 | 30.07 | -09 | 52 | 53 | +3 | SE | 4 | 7 | * | 0 | 55 | 46 | — | | |
| | Bodö ... | 30.16 | 44 | ENE | 4 | 0 | 30.16 | +07 | 46 | 44 | +2 | E | 2 | 6 | 1 | 0 | 48 | 41 | — | | |
| | Christiansund... | 30.10 | 44 | E | 2 | 6 | 29.88 | -15 | 48 | 44 | +4 | ENE | 2 | C | 3 | 6 | 52 | 44 | — | | |
| | Skudesnaes ... | 29.96 | 54 | SE | 4 | 0 | 29.66 | -35 | 55 | 52 | +1 | ENE | 4 | 0 | 4 | 0 | 55 | 50 | — | | |
| | Christiania Fjord (Færder) | 30.11 | 50 | NNE | 5 | 7 | 29.82 | -21 | 49 | 48 | -1 | NNE | 5 | 0 | 1 | 7 | 52 | 48 | 0.91 | | |
| | Skagen (The Scaw) | 29.96 | 54 | SE | 2 | 0 | 29.76 | -32 | 52 | 53 | +1 | E | 2 | 0 | 1 | 0 | 52 | 52 | — | | |
| | Fanö ... | 29.78 | 55 | ESE | 4 | 0 | 29.64 | -35 | 55 | 55 | +4 | S | 1 | 7 | * | 0 | 61 | 51 | — | | |
| ISLANDS. | Sumburgh Head | 29.86 | 50 | S | 1 | C | 29.52 | -15 | 49 | 48 | -1 | NE | 5 | 7 | 5 | C.T | 54 | 49 | 0.25 | | |
| | Stornoway ... | 29.72 | 48 | N | 2 | 0 | 29.61 | -12 | 44 | 43 | -1 | 2 | 0 | 6 | 2 | bc | 53 | 40 | 0.12 | | |
| | Wick ... | 29.81 | 52 | S | 4 | bc | 29.55 | -18 | 46 | 46 | -1 | NW | 2 | 7 | 3 | bc | 54 | 44 | 0.23 | | |
| | Nairn ... | 29.73 | 49 | E | 1 | bc | 29.55 | -20 | 46 | 45 | +1 | SW | 1 | 0 | 1 | bc | 54 | 53 | — | | |
| | Aberdeen ... | 29.81 | 51 | SE | 2 | 0 | 29.55 | -30 | 47 | 45 | 0 | W | 2 | 0 | 3 | bc. r | 54 | 45 | 0.07 | | |
| | Leith ... | 29.74 | 51 | ESE | 2 | 0 | 29.62 | -21 | 45 | 44 | -2 | NNW | 2 | bc | * | 0 | 52 | 40 | — | | |
| | Shields ... | 29.74 | 52 | E | 2 | C | 29.62 | -22 | 48 | 46 | +3 | SW | 2 | bc | 2 | f.b.c | 56 | 43 | — | | |
| | Spurn Head ... | 29.66 | 55 | NNE | 2 | 0.9 | 29.66 | -16 | 50 | 49 | -4 | W | 4 | 0 | 3 | c.g.f.t | 58 | 49 | 0.53 | | |
| | York ... | 29.72 | 55 | N | 1 | 0 | 29.68 | -16 | 49 | 48 | +4 | W | 2 | 6 | * | 0 | 60 | 44 | — | | |
| | Loughborough | 29.69 | 55 | NNW | 1 | C | 29.70 | -06 | 49 | 46 | +11 | NNW | 2 | bc | * | 0 | 60 | 58 | — | | |
| BRITISH ISLANDS. | Ardrossan ... | 29.68 | 52 | NE | 2 | 0 | 29.66 | -11 | 48 | 46 | +3 | NW | 1 | bc | 0 | om. r | 52 | 44 | 0.01 | | |
| | Malin Head ... | 29.72 | 44 | S | 1 | bc | 29.69 | -06 | 45 | 43 | -2 | SW | 2 | 6 | 1 | r.o. bc | 47 | 40 | 0.31 | | |
| | Mullaghmore ... | 29.61 | 50 | SW | 5 | 0 | 29.77 | +01 | 49 | 46 | +2 | SW | 2 | 6 | * | 0 | 53 | 45 | 0.06 | | |
| | Belmullet ... | 29.71 | 46 | W | 2 | 0 | 29.72 | -07 | 52 | 48 | -7 | NNW | 2 | C | 1 | 0 | 56 | 58 | 0.02 | | |
| | Donaghadee ... | 29.69 | 54 | ESE | 1 | bc | 29.76 | -05 | 47 | 44 | +1 | SW | 2 | bc | 4 | bc | 53 | 46 | — | | |
| | Holyhead ... | 29.68 | 53 | NNW | 2 | C | 29.75 | +01 | 50 | 47 | 0 | NNW | 4 | C | 3 | C.C. | 60 | 47 | 0.16 | | |
| | Parsonstown ... | 29.74 | 45 | SW | 1 | bc | 29.73 | +02 | 42 | 41 | -1 | S | 1 | 0 | 0 | bc. r | 49 | 39 | 0.04 | | |
| | Valencia ... | 29.78 | 52 | NNW | 4 | bc | 29.84 | +05 | 46 | 45 | -1 | E | 1 | om | 1 | bc. r | 54 | 43 | 0.02 | | |
| | Roche's Point | 29.78 | 52 | NNW | 2 | bc | 29.82 | +04 | 45 | 43 | 0 | NNW | 1 | C | 2 | bc | 55 | 43 | 0.06 | | |
| | Pembroke (St. Ann's Hd.) | 29.67 | 53 | N | 1 | C | 29.82 | +13 | 52 | 51 | +3 | W | 4 | C | 4 | C | 56 | 48 | 0.13 | | |
| GERMANY & HOLLAND. | Scilly ... | 29.71 | 54 | NNW | 6 | C | 29.92 | +20 | 53 | 50 | -4 | NNW | 4 | C | 3 | C | 61 | 50 | — | | |
| | Prawle Point ... | 29.65 | 54 | N | 2 | bc | 29.92 | +27 | 51 | 47 | -4 | NNW | 5 | bc | 4 | f.b. bc | 64 | 47 | 0.23 | | |
| | Jersey (St. Aubin's) | 29.55 | 59 | NW | 2 | 0 | 29.97 | +23 | 56 | 50 | 0 | W | 5 | 6 | 4 | C.O.C | 60 | 53 | 0.07 | | |
| | Hurst Castle ... | 29.61 | 53 | N | 2 | mtl | 29.81 | +20 | 53 | 50 | -3 | W | 4 | 6 | 2 | C. m. l. | 64 | 50 | — | | |
| | Dungeness ... | 29.57 | 59 | ESE | 2 | T | 29.86 | +15 | 53 | 52 | -1 | NNW | 4 | 0 | 3 | om. r | 61 | 51 | 0.17 | | |
| | North Foreland | 29.58 | 59 | SE | 4 | 0 | 29.79 | +05 | 52 | 51 | -4 | W | 4 | C | 3 | C.O.C | 60 | 53 | 0.01 | | |
| | London ... | 29.61 | 58 | ESE | 1 | OT | 29.82 | +06 | 52 | 50 | +1 | NNW | 2 | 0 | * | C.T.H.O | 65 | 50 | 1.10 | | |
| | Oxford ... | 29.63 | 55 | ESE | 1 | 0 | 29.84 | +07 | 43 | 46 | +5 | W | 2 | 6 | * | 0 | 62 | 44 | — | | |
| | Cambridge ... | 29.62 | 55 | N | 2 | 0 | 29.80 | +01 | 52 | 50 | +7 | SW | 2 | 0 | * | 0 | 62 | 43 | 0.78 | | |
| | Yarmouth ... | 29.63 | 55 | E | 2 | cm | 29.69 | -11 | 50 | 52 | -4 | W | 4 | cm | 3 | cm | 59 | 50 | 0.04 | | |
| FRANCE AND BELGIUM. | Cuxhaven ... | 29.83 | 56 | ESE | 2 | C | 29.75 | -20 | 56 | 55 | +2 | NNW | 2 | C | * | C | 63 | 54 | — | | |
| | Berlin ... | 29.84 | 61 | SE | 2 | 6 | 29.83 | -01 | 61 | 57 | +2 | W | 4 | 3 | * | 6 | 75 | 57 | — | | |
| | Wiesbaden ... | 29.85 | 61 | SE | 2 | 6 | 29.85 | +01 | 62 | 52 | -3 | SW | 2 | 0 | * | 6 | 70 | 52 | 0.01 | | |
| | Munich ... | 29.80 | 61 | SE | 4 | 0 | 29.85 | +05 | 45 | 45 | -11 | SE | 5 | 0 | * | 0 | 77 | 45 | 0.21 | | |
| | The Helder ... | 29.74 | 59 | SE | 2 | T | 29.74 | -14 | 51 | 49 | -4 | S | 2 | C | 2 | T | 59 | 50 | 0.09 | | |
| | Brussels (9 a.m.) | 29.81 | 61 | SE | 2 | 6 | 29.81 | +03 | 52 | 50 | -4 | NNW | 4 | 0 | * | 0 | 65 | 49 | 0.20 | | |
| | Cape Gris Nez | 29.58 | 58 | E | 1 | T | 29.73 | +01 | 53 | 53 | +3 | NNW | 5 | 0 | 5 | T | 59 | 50 | — | | |
| | Paris ... | 29.75 | 55 | SW | 2 | 6 | 29.85 | +25 | 54 | 52 | -1 | SW | 2 | C | * | 6 | 64 | 52 | 0.01 | | |
| | Brest ... | 29.69 | 55 | N | 2 | C | 29.85 | +25 | 53 | 51 | 0 | NNW | 1 | 0 | 3 | C | 59 | 50 | — | | |
| | Lorient ... | 29.69 | 55 | NNW | 4 | 6 | 29.83 | +45 | 53 | 50 | +2 | NNW | 4 | C | 3 | bc | 61 | 52 | 0.01 | | |
| PENINSULA. | Rochefort ... | 29.70 | 56 | W | 4 | T | 29.83 | +45 | 53 | 54 | +5 | NNW | 5 | C | * | T | 66 | 43 | 1.22 | | |
| | Belfort ... | 29.70 | 56 | W | 4 | T | 29.83 | +45 | 53 | 54 | +5 | NNW | 5 | C | * | T | 66 | 43 | 1.22 | | |
| | Lyons ... | 29.88 | 55 | W | 1 | 6 | 29.85 | +45 | 53 | 48 | -7 | SW | 1 | 0 | 3 | bc. l. | 72 | 51 | 0.12 | | |
| | Nice ... | 29.75 | 64 | E | 6 | T | 29.84 | +45 | 53 | 49 | -12 | 2 | 0 | 6 | 3 | T | 72 | 50 | 0.01 | | |
| | Perpignan ... | 29.70 | 61 | NE | 1 | 6 | 29.83 | +45 | 53 | 48 | -14 | W | 1 | 6 | 3 | bc | 73 | 47 | — | | |
| | Biarritz ... | 29.60 | 57 | W | 6 | T | 29.81 | +45 | 53 | 50 | +1 | SW | 2 | 6 | 3 | T | 63 | 52 | 0.24 | | |
| | Corunna ... | 29.60 | 57 | W | 6 | T | 29.81 | +45 | 53 | 50 | +1 | SW | 2 | 6 | 3 | T | 63 | 52 | 0.24 | | |
| | Lisbon ... | 29.60 | 57 | W | 6 | T | 29.81 | +45 | 53 | 50 | +1 | SW | 2 | 6 | 3 | T | 63 | 52 | 0.24 | | |
| | | | | | | | | | | | | | | | | | | | | | |

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, 10th October, 1893.

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

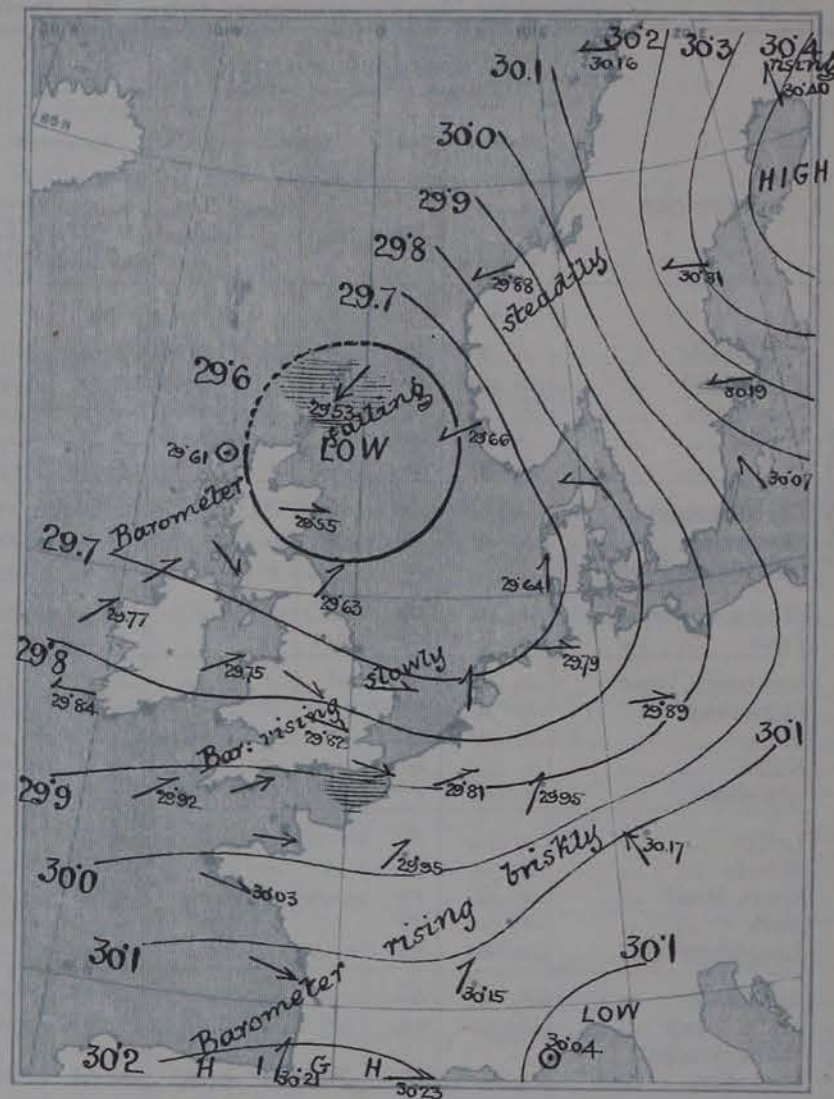
at 8.0 a.m. for the month of October

During the 20 Years 1871-1890.

STATIONS.

MEAN READINGS.

| STATIONS. | MEAN READINGS. |
|---------------|----------------|
| Sumbargh Head | 29.726 |
| Stornoway | 29.756 |
| Wick | 29.763 |
| Nairn | 29.779 |
| Aberdeen | 29.793 |
| Leith | 29.822 |
| Shields | 29.846 |
| Spurn Head | 29.867 |
| York | 29.882 |
| Loughborough | 29.904 |
| Androsan | 29.831 |
| Mullaghmore | 29.845 |
| Donaghadee | 29.850 |
| Holyhead | 29.872 |
| Liverpool | 29.870 |
| Parsonstown | 29.897 |
| Valencia | 29.896 |
| Roche's Point | 29.892 |
| Pembroke | 29.888 |
| Scilly | 29.910 |
| Prawle Point | 29.931 |
| Jersey | 29.925 |
| Hurst Castle | 29.922 |
| Dover | 29.916 |
| LONDON | 29.923 |
| Oxford | 29.924 |
| Cambridge | 29.912 |
| Yarmouth | 29.894 |



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 October.)

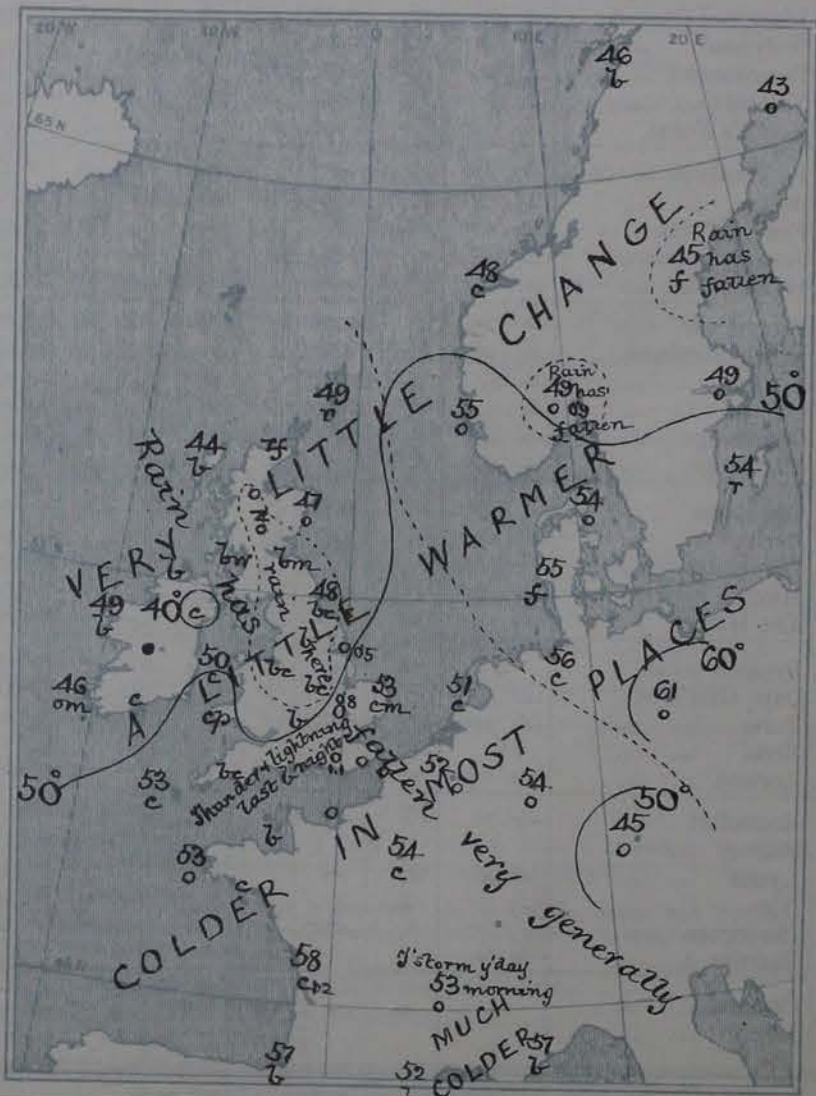
STATIONS.

TEMPERATURE

RAINFALL

| STATIONS. | TEMPERATURE | | | | RAINFALL (Inches.) |
|---------------|---------------|---------------|------------------|------|-----------------------|
| | Daily Max. | Daily Min. | Dry at 8 a.m. | Wet | |
| Sumbargh Head | 49.8 | 41.6 | 46.0 | 44.3 | 4.27 |
| Stornoway | 51.0 | 40.5 | 45.6 | 44.5 | 5.04 |
| Wick | 51.7 | 40.5 | 46.3 | 44.6 | 3.02 |
| Nairn | 51.9 | 40.8 | 44.8 | 42.9 | 2.38 |
| Aberdeen | 52.5 | 41.4 | 45.0 | 43.0 | 2.87 |
| Leith | 54.7 | 41.8 | 46.7 | 44.9 | 1.07 |
| Shields | 53.2 | 42.7 | 47.2 | 45.4 | 2.48 |
| Spurn Head | 53.3 | 45.7 | 48.8 | 47.3 | 2.27 |
| York | 54.5 | 41.4 | 45.9 | 44.5 | 2.80 |
| Loughborough | 55.7 | 41.1 | 45.9 | 44.6 | 2.80 |
| Androsan | 53.7 | 43.7 | 47.8 | 45.8 | 3.87 |
| Mullaghmore | 54.2 | 45.7 | 49.1 | 46.9 | 4.75 |
| Donaghadee | 53.6 | 43.0 | 47.8 | 46.0 | 3.14 |
| Holyhead | 54.7 | 47.3 | 50.3 | 48.3 | 4.31 |
| Liverpool | 53.8 | 44.7 | 47.8 | 45.8 | 3.46 |
| Parsonstown | 54.8 | 41.0 | 49.2 | 44.5 | 3.16 |
| Valencia | 56.0 | 46.8 | 51.4 | 49.2 | 5.88 |
| Roche's Point | 56.0 | 46.1 | 50.2 | 48.3 | 4.09 |
| Pembroke | 54.0 | 48.0 | 51.2 | 49.2 | 3.96 |
| Scilly | 56.6 | 50.2 | 53.7 | 51.0 | 3.70 |
| Prawle Point | 56.7 | 46.2 | 51.2 | 49.6 | 3.60 |
| Jersey | 58.2 | 48.6 | 53.3 | 50.7 | 4.45 |
| Hurst Castle | 57.1 | 45.8 | 50.8 | 49.2 | 3.26 |
| Dover | 56.1 | 46.2 | 50.2 | 48.2 | 3.22 |
| LONDON | 56.7 | 42.7 | 47.5 | 45.9 | 2.57 |
| Oxford | 55.5 | 42.2 | 46.2 | 44.0 | 2.56 |
| Cambridge | 56.5 | 41.0 | 46.4 | 45.3 | 2.27 |
| Yarmouth | 54.3 | 44.6 | 49.0 | 47.6 | 2.02 |

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



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.4 ins. and upwards in the north of Sweden, 30.2 ins. and upwards in the south of France.
Lowest 29.6 ins. and less in a depression lying over the north and east of Scotland and the northern parts of the North Sea.
Gradients slight generally, but moderate over Scandinavia.
Barometer falling in Scandinavia, Denmark and the north of our islands, but rising elsewhere.

TEMPERATURE

Highest 61° at Boron, 58° at Rochefort, 57° at Nice and Biarritz, and 56° at Jersey and Copenhaven.
Lowest (1) 39° at Donaghadee, 42° at Parsonstown, 44° at Stormoway and 45° at Leith, Malin Head and Roches Point; (2) 43° at Haparanda and 45° at Helsingfors.
 During yesterday the thermometer rose to between 60° and 65° over the Central and Southern parts of England.

WIND

Westerly or Southwesterly over the greater part of our islands, France and the Netherlands; fresh in force over the Channel and Bay of Biscay, but light or moderate elsewhere.
 Easterly in Scandinavia and Northeasterly in the Shetlands.

WEATHER

Fair or fine over the United Kingdom generally, but dull in the south of Ireland and ^{north of Scotland} rainy in the extreme north of Scotland.
 Cloudy or overcast at most of the Continental stations, with fog at Helsingfors and Leno; fine and bright in the south of France.
 Rain fell yesterday in many parts of our islands and France, the largest amounts being 1.2 ins. at Rochefort, 1.1 ins. in London and 0.8 in. at Cambridge. Thunder & lightning occurred last evening in the south of England and at Lyons earlier in the day.

SEA

Moderate to smooth generally, but rather rough at Lumburgh Head and Cape Gris Nez.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression in the north is apparently travelling northwards, but the shift of wind to the eastward at Valencia, with dull misty weather, seems to indicate the approach of another disturbance towards our extreme south-west coast. The general appearance is still very unsettled.

FORECASTS

For the 24 hours ending at NOON on 11th October 1893.

DISTRICTS.

FORECASTS.

DISTRICTS.

FORECASTS.

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

Variable breezes, finally W^{ly}, dull and rainy to fair.
 W^{ly} and S.W^{ly} winds, light; fair generally.
 W^{ly} to S.W^{ly} winds, moderate; fair at first, doubtful later, probably some rain.

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

Same as N^{os} 1 and 2.
 S.W^{ly} to S^{ly} winds, moderate or fresh; fair to dull and some rain.
 S^{ly} to S.E^{ly} winds, moderate; fine to cloudy and showery.
 E^{ly} and N.E^{ly} winds, light or moderate; dull, 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. Direc. | F. | WEA. | SEA. | | BAR. | THER. | | WIND. Direc. | F. | WEA. | SEA. |
|-------------------|-------|-------|------|-----------------|----|------|------|--------------------|-------|-------|------|-----------------|----|------|------|
| | | Dry. | Wet. | | | | | | | Dry. | Wet. | | | | |
| Skudesnaes ... | 29.02 | 57 | 57 | SE | 4 | o | 3 | Valencia ... | 29.80 | 53 | 49 | WSW | 4 | b | 4 |
| Sumburgh Head ... | 29.83 | 52 | 50 | S | 1 | c | 4 | Scilly ... | 29.67 | 53 | 53 | NW | 4 | c | 3 |
| Stornoway ... | 29.75 | 52 | 50 | S | 2 | bc | 3 | Jersey ... | 29.60 | 57 | 56 | ESE | 3 | sgm | 3 |
| Aberdeen ... | 29.84 | 53 | 50 | SSE | 3 | bc | 4 | Hurst Castle ... | 29.65 | 60 | 57 | ENE | 3 | cm | 3 |
| Shields ... | 29.79 | 56 | 53 | E | 3 | b | 2 | Dungeness ... | 29.62 | 53 | 55 | E | 3 | om | 2 |
| Ardrossan ... | 29.73 | 52 | 49 | ENE | 1 | om | 2 | North Foreland ... | 29.61 | 56 | 53 | ESE | 3 | c | 4 |
| Malin Head ... | 29.74 | 44 | 43 | SSE | 2 | o | 1 | London ... | 29.65 | 61 | 57 | E | 2 | b | 3 |
| Mullaghmore ... | 29.69 | 47 | 45 | SW | 5 | T | * | Yarmouth ... | 29.61 | 58 | 55 | NE | 3 | cm | 3 |
| Belmullet ... | 29.70 | 52 | 53 | SW | 1 | c | 2 | Rocheport ... | 29.62 | 54 | 52 | WSW | 5 | T | * |
| Holyhead ... | 29.70 | 52 | 53 | SW | 1 | c | 2 | | | | | | | | |

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

Weather in morning fine generally over Russia, South-eastern, Southern and Central Europe; temporarily fine over greater part of the United Kingdom, but changeable. Raining over the northeast of Ireland and at Rocheport, foggy or hazy in many parts of England and in Austria. Heavy rain later in some parts of France and the south coast of England (1.2 ins. at Rocheport, 1.1 ins. in London and 0.8 in at Cambridge) and a considerable fall (0.5 in.) at Spurn Head. A large fall at Leerdam also and showers in most places; thunder and lightning over the Southern half of England.

Temperature. Morning readings highest, 70° and more on the southern side of the Mediterranean, 60° or more over Italy, the southern parts of France and Austria and at Craon, and 50° or more over the South of England, Germany, the Southern half of Russia, and the Baltic Provinces. Lowest 35° at Orshaugh, 36° at Uleaborg, 40° to 44° over the northern half of Scandinavia; 43° at Parsonstown, 45° at several of our northern stations rising to 60° or more at most of the English stations and at San, exceeding 70° in the South of France, 79° at Perpignan.

Wind light in force almost everywhere and extremely variable in direction. Mainly E. over Northern Europe and the Baltic as well as over the Southern half of England and the Channel; S.W. to W. over Spain, and blowing a fresh breeze at Lisbon and a moderate gale at Barcelona. Shifting to the N. and N.W. over the Southern half of England later and increasing from W. at Biarritz.

Barometer Highest (1) 30.4 ins. to 30.1 ins. over Russia and exceeding 30.2 ins. in a secondary anticyclone over Sweden; (2) 30.1 ins. and more to 30.0 ins. over Algeria and the Southern half of Spain. Lowest (1) 29.7 ins. and less over the Shetland and neighbouring parts of the Atlantic, (2) 29.6 ins. and less in a depression over the Bay of Biscay. Latter system moving northeastward later, and a new one appearing off our northwestern coasts. Rising slightly over Northern Europe.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

N.B.—The morning observations are 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, 11th October, 1893

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 Yesterday Morn. | Dry Bulb. | Wet Bulb. | Change in dry since Yesterday. | | | Direc. | Force (0 to 12). | | Max. | Min. |
| | | Inch. | ° | | | | Inch. | | ° | ° | ° | | | | | | ° | Inch. | | |
| SCANDINAVIA. | Haparanda ... | 30.26 | 45 | S | 2 | 0 | 29.98 | -.42 | 44 | 43 | + 1 | S | 4 | 0 | # | 0 | 45 | 41 | - | |
| | Hernösand ... | 30.10 | 46 | SE | 4 | 1 | 29.83 | -.48 | 49 | 48 | + 4 | S | 2 | f | # | 1 | 50 | 43 | 0.47 | |
| | Stockholm ... | 29.96 | 54 | ESE | 2 | 1 | 30.02 | -.17 | 51 | 50 | + 2 | S | 2 | b | # | 1 | 55 | 45 | 0.04 | |
| | Wisby ... | 29.95 | 56 | SE | 4 | 6 | 30.10 | + .03 | 50 | 49 | - 4 | SW | 4 | b | # | 0 | 59 | 34 | - | |
| | Bodö ... | 29.86 | 50 | E | 6 | 0 | 29.63 | -.53 | 49 | 48 | + 3 | E | 6 | r | 3 | 0 | 50 | 43 | 0.28 | |
| | Christiansund... | 29.54 | 55 | E | 3 | 0 | 29.67 | -.21 | 48 | 46 | 0 | ESE | 1 | c | 3 | 0 | ? | 46 | 0.12 | |
| | Skudesnaes ... | 29.67 | 54 | SSE | 6 | 0 | 29.78 | + .12 | 53 | 49 | - 2 | S | 8 | 0 | 5 | 1.0 | 57 | 50 | - | |
| | Christiania Fjord (Færder) | 29.74 | 54 | SSW | 3 | 0 | 29.91 | -.02 | 52 | 48 | + 3 | ? | 5 | b | 4 | 0 | 57 | 49 | 0.12 | |
| | Skagen (The Scaw) | 29.84 | 54 | WSW | 3 | bc | 29.98 | + .22 | 51 | 49 | - 3 | SW | 3 | bc | 0 | bc | 55 | 50 | - | |
| | Fanö ... | 29.91 | 54 | WSW | 4 | b | 29.99 | + .35 | 53 | 51 | - 2 | SSW | 4 | bc | # | b | 59 | 50 | 0.04 | |
| BRITISH ISLANDS. | Sumburgh Head | 29.30 | 48 | W | 5 | 0 | 29.36 | -.17 | 48 | 45 | - 1 | S | 5 | bc | 5 | 0 | 52 | 46 | 0.58 | |
| | Stornoway ... | 29.51 | 48 | W | 2 | bc | 29.36 | -.25 | 45 | 45 | + 1 | W | 4 | r | 4 | b, bc | 52 | 40 | 0.26 | |
| | Wick ... | 29.51 | 45 | W | 4 | b | 29.34 | -.21 | 48 | 46 | + 2 | W | 5 | bc | 2 | b | 52 | 42 | - | |
| | Nairn ... | 29.54 | 47 | W | 1 | b | 29.40 | -.17 | 47 | 43 | + 1 | SW | 2 | b | 1 | b | 55 | 41 | - | |
| | Aberdeen ... | 29.62 | 48 | SSW | 2 | b | 29.50 | -.05 | 45 | 42 | - 2 | SSW | 3 | b | 3 | b | 55 | 41 | - | |
| | Leith ... | 29.67 | 46 | WSW | 3 | b | 29.58 | -.04 | 47 | 42 | + 2 | WSW | 2 | bm | - | b | 55 | 41 | - | |
| | Shields ... | 29.74 | 50 | WSW | 3 | c | 29.65 | + .02 | 48 | 46 | 0 | W | 2 | c | 2 | bc, r | 55 | 43 | 0.06 | |
| | Spurn Head ... | 29.83 | 52 | SSW | 4 | c | 29.66 | - .00 | 51 | 50 | + 1 | WNW | 5 | 0 | 4 | c, r | 56 | 46 | 0.10 | |
| | York ... | 29.82 | 52 | SW | 1 | c | 29.69 | + .01 | 47 | 46 | - 2 | W | 2 | b | # | c | 56 | 45 | 0.41 | |
| | Loughborough | 29.89 | 51 | WSW | 1 | 0 | 29.77 | -.01 | 49 | 47 | 0 | W | 2 | em | # | 0 | 58 | 48 | 0.23 | |
| GERMANY & HOLLAND. | Ardrossan ... | 29.68 | 51 | SW | 4 | c | 29.58 | -.08 | 51 | 49 | + 3 | SSW | 5 | c | 4 | cp | 56 | 47 | 0.05 | |
| | Malin Head ... | 29.66 | 48 | SW | 4 | cp | 29.53 | -.16 | 49 | 47 | + 4 | SW | 5 | op | 3 | bc, cp | 52 | 45 | 0.07 | |
| | Mullaghmore ... | 29.74 | 49 | W | 2 | bc | 29.72 | -.05 | 49 | 48 | 0 | WNW | 3 | c | # | bc | 52 | 47 | 0.11 | |
| | Belmullet ... | 29.75 | 48 | SSW | 3 | c | 29.67 | -.05 | 43 | 41 | + 4 | SW | 3 | b | 1 | c | 53 | 38 | - | |
| | Liverpool (Bldston) | 29.82 | 50 | SE | 1 | 0 | 29.76 | - .00 | 48 | 45 | + 1 | W | 3 | c | 4 | 0 | 54 | 46 | 0.32 | |
| | Holyhead ... | 29.79 | 51 | WSW | 2 | og | 29.75 | - .00 | 51 | 46 | + 1 | W | 4 | b | 4 | bc, og | 54 | 46 | 0.22 | |
| | Parsonstown ... | 29.77 | 40 | SE | 1 | 0 | 29.79 | - .00 | 40 | 39 | - 2 | SE | 1 | bc | # | 0 | 52 | 35 | - | |
| | Valencia ... | 29.77 | 51 | NE | 1 | c | 29.88 | + .04 | 52 | 48 | + 6 | WNW | 2 | bc | # | og, c | 55 | 45 | 0.41 | |
| | Roche's Point | 29.77 | 50 | SSE | 2 | 1 | 29.87 | + .05 | 43 | 41 | - 2 | N | 2 | b | 3 | r | 55 | 41 | 0.20 | |
| | Pembroke (St. Ann's Hd.) | 29.80 | 50 | S | 4 | r | 29.86 | + .04 | 50 | 46 | - 2 | NW | 3 | c | 3 | r | 58 | 50 | 0.65 | |
| FRANCE AND BELGIUM. | Scilly ... | 29.66 | 57 | S | 7 | m | 29.82 | -.10 | 53 | 52 | 0 | NNE | 3 | cp | 5 | r, m | 58 | 50 | 0.62 | |
| | Prawle Point ... | 29.89 | 52 | SSE | 5 | r | 29.83 | -.09 | 55 | 54 | + 4 | WSW | 2 | c | 1 | r, q | 57 | 51 | 0.14 | |
| | Jersey (St. Aubin's) | 30.00 | 58 | S | 5 | cy | 29.91 | -.06 | 61 | 60 | + 5 | SSW | 6 | og, p | 6 | cy, p | 61 | 55 | 0.21 | |
| | Hurst Castle ... | 29.98 | 53 | SW | 5 | cp | 29.84 | -.07 | 60 | 59 | + 7 | WSW | 5 | p | 4 | c, q, p | 60 | 51 | 0.37 | |
| | Dungeness ... | 29.97 | 57 | SW | 3 | bc | 29.87 | + .01 | 60 | 58 | + 5 | SW | 7 | og | 7 | bc, cy | 61 | 53 | 0.01 | |
| | North Foreland | 29.99 | 55 | SW | 3 | bc | 29.85 | + .06 | 59 | 57 | + 5 | SW | 5 | og | 4 | bc, q | 59 | 52 | 0.01 | |
| | London ... | 29.97 | 52 | SSW | 2 | bc | 29.82 | - .00 | 59 | 58 | + 7 | SW | 2 | bc | # | bc, out, q, p | 59 | 52 | 0.13 | |
| | Oxford ... | 29.93 | 50 | SW | 2 | r | 29.79 | -.05 | 56 | 53 | + 7 | WSW | 3 | cp | # | c, r | 58 | 48 | 0.14 | |
| | Cambridge ... | 29.94 | 51 | SSE | 3 | b | 29.77 | -.03 | 58 | 57 | + 6 | SSW | 5 | bc | # | b | 60 | 47 | 0.09 | |
| | Yarmouth ... | 29.90 | 54 | SW | 3 | bc | 29.79 | + .10 | 58 | 57 | + 5 | SW | 5 | cy | 4 | b, bc | 58 | 49 | 0.02 | |
| PENINSULA. | Cuxhaven ... | 29.94 | 50 | WSW | 3 | c | 30.11 | + .32 | 47 | 46 | - 9 | S | 2 | b | # | c | 61 | 46 | - | |
| | Berlin ... | 30.10 | 57 | W | 3 | b | 30.22 | + .33 | 52 | 51 | - 9 | S | 1 | c | # | b | 64 | 50 | - | |
| | Wiesbaden ... | 30.21 | 57 | W | 3 | b | 30.21 | + .26 | 50 | 49 | - 4 | SW | 1 | 0 | # | # | 64 | 50 | 0.08 | |
| | Munich ... | 30.33 | 48 | SSW | 3 | b | 30.30 | + .13 | 44 | 43 | - 1 | SE | 3 | b | # | b | 59 | 39 | - | |
| | The Helder ... | 30.04 | 55 | WSW | 4 | b | 29.98 | + .24 | 51 | 48 | 0 | S | 4 | c | 3 | b | 57 | 48 | 0.12 | |
| | Brussels (9 a.m.) | 30.06 | 52 | SSW | 4 | c | 30.06 | + .25 | 52 | 50 | 0 | SSE | 4 | r | # | bc | 59 | 46 | 0.04 | |
| | Cape Gris Nez | 29.97 | 56 | WNW | 5 | 0 | 29.88 | + .15 | 56 | 55 | + 1 | SW | 6 | 0 | 6 | 0 | 57 | 50 | 0.12 | |
| | Paris ... | 30.16 | 52 | SSW | 1 | b | 30.11 | + .16 | 51 | 49 | - 3 | S | 2 | 0 | # | b | 62 | 48 | 0.08 | |
| | Brest ... | 30.01 | 57 | S | 5 | r | ? | ? | 59 | 59 | + 6 | SSW | 5 | r | 4 | r | 59 | 53 | 0.51 | |
| | Lorient ... | 30.01 | 60 | S | 6 | 0 | 29.96 | -.07 | 61 | 58 | + 6 | SSW | 6 | 0 | 5 | 0 | 64 | 52 | 0.08 | |
| FRANCE AND BELGIUM. | Rochefort ... | 30.06 | 60 | SW | 3 | c | 30.01 | ? | 57 | 55 | - 1 | S | 3 | c | # | c | 66 | 52 | - | |
| | Belfort ... | 30.23 | 58 | SSE | 1 | b | 30.25 | + .10 | 47 | 46 | - 6 | W | 1 | b | # | b | 67 | 44 | - | |
| | Lyons ... | 30.16 | 59 | E | 1 | b | 30.24 | + .20 | 55 | 51 | - 2 | ? | 1 | b | # | b | 70 | 52 | - | |
| | Nice ... | 30.21 | 59 | E | 1 | b | 30.18 | -.05 | 48 | 48 | - 4 | ? | 0 | b | # | b | 73 | 46 | - | |
| | Perpignan ... | 30.13 | 65 | S | 3 | b | 30.05 | -.16 | 59 | 49 | + 2 | SSE | 3 | b | 1 | b | 73 | 50 | - | |
| | Biarritz ... | 30.13 | 65 | S | 3 | b | 30.05 | -.16 | 59 | 49 | + 2 | SSE | 3 | b | 1 | b | 73 | 50 | - | |

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, 11th Oct^r 1893.

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

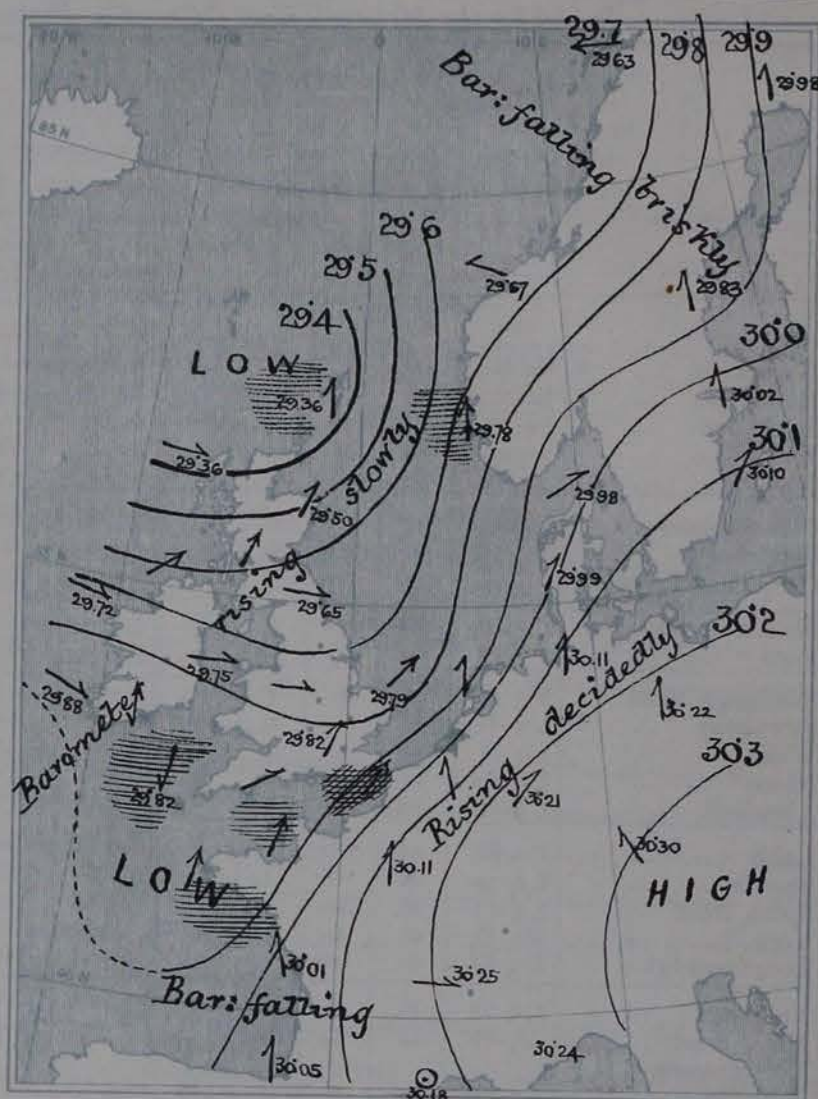
at 8.0 a.m. for the month of October

During the 20 Years 1871—1890.

STATIONS.

MEAN READINGS.

| STATIONS. | MEAN READINGS. |
|---------------|----------------|
| Sumburgh Head | 29.720 |
| Stornoway | 29.750 |
| Wick | 29.763 |
| Nairn | 29.779 |
| Aberdeen | 29.793 |
| Leith | 29.822 |
| Shields | 29.846 |
| Spurn Head | 29.867 |
| York | 29.882 |
| Loughborough | 29.904 |
| Ardrossan | 29.831 |
| Mullaghmore | 29.845 |
| Donaghadee | 29.850 |
| Holyhead | 29.872 |
| Liverpool | 29.879 |
| Parsonstown | 29.897 |
| Valencia | 29.896 |
| Roche's Point | 29.892 |
| Pembroke | 29.888 |
| Scilly | 29.910 |
| Prawle Point | 29.931 |
| Jersey | 29.925 |
| Hurst Castle | 29.922 |
| Dover | 29.916 |
| LONDON | 29.923 |
| Oxford | 29.924 |
| Cambridge | 29.912 |
| Yarmouth | 29.894 |



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.

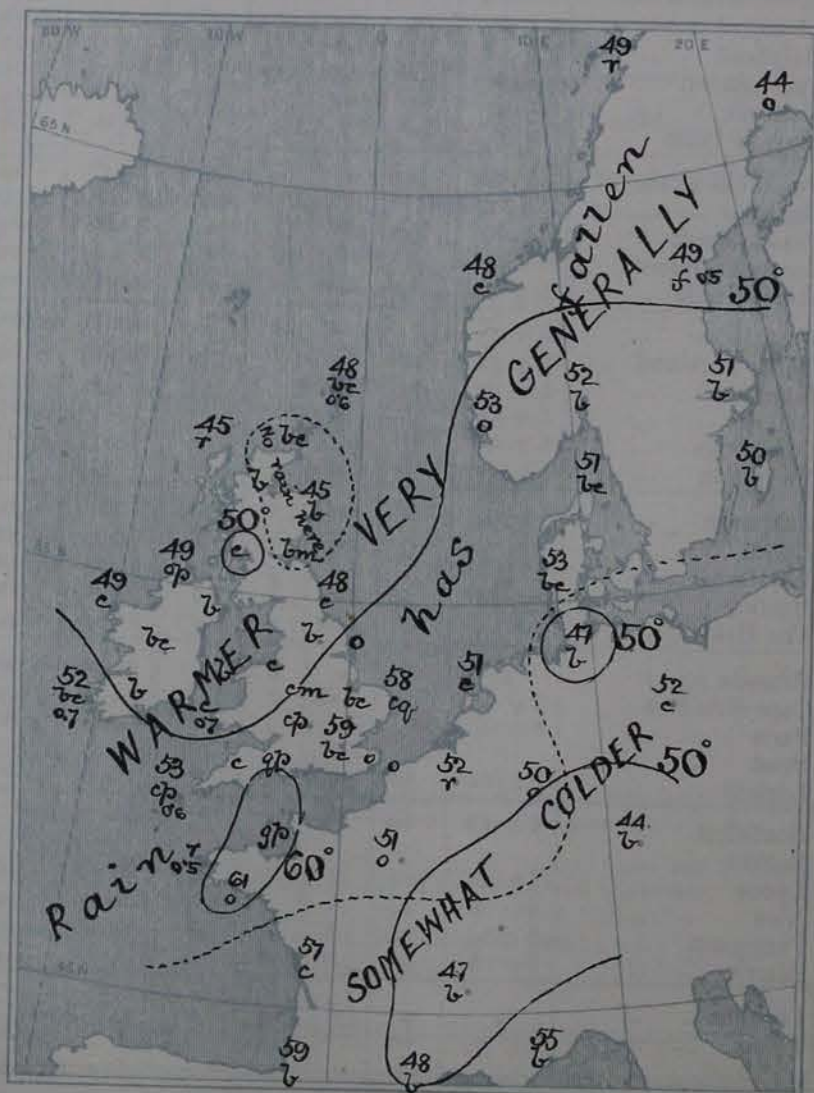
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE AND RAINFALL.

(For the month of October.)

| STATIONS. | TEMPERATURE. | | | | RAINFALL (Inches.) |
|---------------|---------------|---------------|------|------|-----------------------|
| | Daily Max. | Daily Min. | Dry | Wet | |
| Sumburgh Head | 49.8 | 41.6 | 40.0 | 44.3 | 4.27 |
| Stornoway | 51.0 | 40.5 | 45.6 | 44.5 | 5.04 |
| Wick | 51.7 | 40.5 | 46.3 | 44.6 | 3.02 |
| Nairn | 51.9 | 40.8 | 44.8 | 42.9 | 2.38 |
| Aberdeen | 52.5 | 41.4 | 45.6 | 43.6 | 2.87 |
| Leith | 54.7 | 41.8 | 46.7 | 44.9 | 1.07 |
| Shields | 53.2 | 42.7 | 47.2 | 45.4 | 2.48 |
| Spurn Head | 53.3 | 45.7 | 48.8 | 47.3 | 2.27 |
| York | 54.5 | 41.4 | 45.9 | 44.5 | 2.60 |
| Loughborough | 55.7 | 41.1 | 45.9 | 44.6 | 2.80 |
| Ardrossan | 53.7 | 43.7 | 47.8 | 45.8 | 3.87 |
| Mullaghmore | 54.2 | 45.7 | 49.1 | 46.9 | 4.75 |
| Donaghadee | 53.6 | 43.6 | 47.8 | 46.6 | 3.14 |
| Holyhead | 54.7 | 47.3 | 50.3 | 48.3 | 4.31 |
| Liverpool | 53.8 | 44.7 | 47.8 | 45.8 | 3.46 |
| Parsonstown | 54.8 | 41.0 | 46.2 | 44.5 | 3.18 |
| Valencia | 56.6 | 46.8 | 51.4 | 49.2 | 5.88 |
| Roche's Point | 56.0 | 46.1 | 50.2 | 48.3 | 4.09 |
| Pembroke | 54.9 | 48.0 | 51.2 | 49.2 | 3.96 |
| Scilly | 56.6 | 50.2 | 53.7 | 51.6 | 3.76 |
| Prawle Point | 56.7 | 40.2 | 51.2 | 49.6 | 3.60 |
| Jersey | 58.2 | 48.6 | 53.3 | 50.7 | 4.45 |
| Hurst Castle | 57.1 | 45.8 | 50.8 | 49.2 | 3.26 |
| Dover | 56.1 | 46.2 | 50.2 | 48.2 | 3.22 |
| LONDON | 56.7 | 42.7 | 47.5 | 45.9 | 2.57 |
| Oxford | 55.5 | 42.2 | 46.2 | 44.9 | 2.56 |
| Cambridge | 56.5 | 41.0 | 46.4 | 45.3 | 2.27 |
| Yarmouth | 54.3 | 44.6 | 49.0 | 47.6 | 2.92 |

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. to 30.3 ins. over Germany and the southeastern parts of France.
Lowest 29.4 ins. and less in a depression lying off the north of Scotland. A shallow secondary system is lying over the North Sea, and another at the mouth of the Channel.

TEMPERATURE

Gradients rather steep over the northern and also over the S.E. parts of the North Sea, but moderate or slight elsewhere.
Barometer falling in the E. and S. parts of our Islands, as well as in the W. of France and the north of Scandinavia, rising in most other localities.
Highest 61° at Jersey and Lorient, 60° at Dungeness, 59° in London, and at Arest and Biarritz, and 58° at Cambridge and Barmouth.

WIND

Lowest (1) 40° at Parsonstown and 43° at Donaghadee & Roske's Pt., (2) 44° at Haparanda, 44.8° at Christiansund.
The maxima registered over our Islands yesterday were below 60° at all but our extreme S. stations, W. or S.W. over the greater part of our Islands, but N. at the mouths of the English and S. Georges channels, light to fresh in force generally, but strong at some of our S. and S.E. stations.
S. at most of the Continental stations, but E. in the west of Norway.
A moderate to fresh gale from the S.W. was experienced last night over the English Channel.

WEATHER

Varying greatly in different parts of the United Kingdom, but changeable and showery in most districts.
Fine and bright in Denmark and the south of Sweden, as well as over the southern parts of France; cloudy and unsettled over Norway, the Netherlands and the north of France.
Rain fell yesterday over the greater part of Ireland and England, and also in the west and north of Scotland, the large amounts being 0.7 in. at Valencia (Ireland) and Pembroke, and 0.6 in. at Sumburgh Head and Scilly. Solar halos were seen yesterday at Jersey and Hurst Castle.

SEA

High at Dungeness, and rough or rather so at the Channel stations generally, as well as at Sumburgh H.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The general appearance remains very unsettled. The small depression near the mouth of the Channel will probably move northwards, and strong S.W. winds are likely to continue on our southern coasts.

FORECASTS

For the 24 hours ending at NOON on 12th October 1893.

| DISTRICTS. | FORECASTS. | DISTRICTS. | FORECASTS. |
|--------------------|--|---|---|
| 0 SCOTLAND NORTH | S.W. winds, fresh; changeable, some showers. | 6 SCOTLAND WEST | Same as N° 0. |
| 1 SCOTLAND EAST | S.W. winds, light; fair to showery. | 7 ENGLAND N.W. | W. winds, moderate; changeable, showery. |
| 2 ENGLAND N.E. | | 8 ENGLAND S.W. | W. winds, backing later; changeable, showery. |
| 3 ENGLAND EAST | Same as N° 5. | 9 IRELAND NORTH | Same as N° 7. |
| 4 MIDLAND COUNTIES | S.W. winds, light; changeable, showery. | 10 IRELAND SOUTH | Same as N° 8. |
| 5 ENGLAND SOUTH | S.W. winds, moderate inland, strong on coast; squally, showery, becoming colder. | WARNINGS | |
| | | At 7.30 pm yesterday to districts 3, 5 and part of 8. Hoist SOUTH CONE. At 10.30 am today to part of 8. 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. | F. | WEA. | SEA. | | BAR. | THER. | | WIND. | F. | WEA. | SEA. |
|-------------------|-------|-------|------|--------|----|------|------|--------------------------|-------|-------|------|--------|----|------|------|
| | | Dry. | Wet. | Dirac. | | | | | | Dry. | Wet. | Dirac. | | | |
| Skudesnaes ... | 29.58 | 57 | 54 | SSE | 6 | 1 | 3 | Valencia ... | 29.80 | 54 | 52 | L | 0 | og | 1 |
| Sumburgh Head ... | 29.23 | 51 | 51 | SE | 9 | 0 | 5 | Scilly ... | 29.86 | 54 | 50 | SSE | 5 | r | 3 |
| Stornoway ... | 29.53 | 51 | 49 | SW | 3 | 6 | 3 | Jersey ... | 30.04 | 60 | 54 | SSW | 4 | c | 4 |
| Aberdeen ... | 29.57 | 55 | 49 | W | 3 | b | 3 | Hurst Castle ... | 29.98 | 58 | 52 | SW | 4 | c | 2 |
| Shields ... | 29.71 | 55 | 47 | WSW | 3 | 6c | 2 | Dungeness ... | 29.94 | 60 | 54 | W | 5 | 6c | 4 |
| Ardrossan ... | 29.69 | 52 | 50 | W | 3 | c | 2 | North Foreland ... | 29.91 | 59 | 51 | W | 5 | 6c | 3 |
| Malin Head ... | 29.68 | 50 | 46 | SW | 4 | 6c | 2 | London (Westminster) ... | 29.93 | 58 | 51 | HW | 3 | c | 3 |
| Mullaghmore ... | | | | | | | | Yarmouth ... | 29.85 | 56 | 50 | W | 3 | 6 | * |
| Belmullet ... | 29.77 | 52 | 48 | W | 3 | 6c | * | Rochefort ... | 30.07 | 64 | 60 | SW | 3 | c | * |
| Holyhead ... | 29.80 | 52 | 48 | W | 3 | 6c | 3 | | | | | | | | |

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

Weather in morning fine and bright over southeastern, southern and southwestern Europe; for a time clear and bright over the greater part of England and Scotland, but cloudy or overcast, and changeable over the northwestern and northern countries as a whole, with rain in the northeast of Scotland and at Wexley showers at Pembroke. Rain falling later over almost all parts of our Islands, the north and northwest of France and the eastern shores of the North Sea - but amounts large at our southwestern stations only, considerable at York.

Temperature highest 70° and more over the southern half of the Mediterranean, and above 60° on the eastern shores of the Mediterranean and Adriatic, and in several parts of Austria, exceeding 80° over the Baltic Provinces, Germany, France and the south and east of England. Lowest (1) 33° at Archangel, 42° at Uleaborg, and also at Parsonstown, 43° at Hangö, 44° at Stornoway; (2) 41° at Kharkov. Touching 60° or 61° at a few of our southwestern stations and in central France later, and exceeding 70° over the Riviera and at Biarritz.

Wind moderate; (1) E² over northern Europe and the Baltic, SE² on the eastern side of the North Sea and over central Europe; (2) mainly W² over the British Islands and France, (last E² at Valencia), variable over Spain and the Mediterranean. Backing S⁴ over our southern districts and in the Channel later, and blowing a moderate gale at several stations.

Barometer highest (1) 30.4 ins. and more to 30.6 ins. over northern Europe and exceeding 30.3 ins. in the south of Russia; (2) 30.3 ins. and more to 30.6 ins. over Spain, France and the Mediterranean. Lowest 29.6 ins. and less to 29.7 ins. over the Shetlands and North Sea. Rising over the North Sea later but falling on our southwestern coasts and in the Shetlands, as fresh disturbances advanced over those regions.

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, 12TH OCTOBER. 1893.

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). | Dry Bulb. | Wet Bulb. | Change in dry since Yesterday. | | | Dir. | Force (0 to 12). | | Max. | Min. | | |
| | | Inch. | ° | | | | Inch. | ° | ° | ° | | | | | | ° | Inch. | | | | |
| SCANDINAVIA. | Haparanda ... | 29.78 | 45 | SW | 2 | f | 29.76 | -22 | 39 | 39 | -5 | 2 | 0 | f | * | 46 | 0.12 | | | | |
| | Hernösand ... | 29.86 | 48 | 2 | 0 | f | 29.75 | -28 | 46 | 46 | -3 | 5 | 4 | f | * | 57 | — | | | | |
| | Stockholm ... | 30.11 | 47 | 2 | 0 | f | 29.82 | -15 | 50 | 49 | -1 | 5 | 2 | f | * | 57 | — | | | | |
| | Wisby ... | 30.09 | 50 | SW | 4 | f | 29.94 | -16 | 53 | 51 | +3 | 5 | 4 | f | * | 46 | — | | | | |
| | Bodö ... | 29.78 | 46 | SE | 1 | f | 29.60 | -23 | 46 | 41 | -3 | ENE | 4 | 0 | f | 41 | 0.24 | | | | |
| | Christiansund... | 29.49 | 50 | SW | 3 | T | 29.48 | -19 | 47 | 45 | -1 | SE | 2 | C | 3 | 52 | 0.08 | | | | |
| | Skudesnaes ... | 29.65 | 52 | SE | 6 | 0 | 29.61 | -17 | 50 | 46 | -3 | SW | 7 | C | 4 | 54 | — | | | | |
| | Christiania Fjord (Færder) | 29.76 | 53 | SE | 7 | T | 29.69 | -22 | 51 | 48 | -1 | SW | 4 | C | 4 | 54 | 0.12 | | | | |
| | Skagen (The Scaw) | 29.76 | 54 | SW | 4 | 0 | 29.73 | -25 | 51 | 49 | 0 | WNW | 2 | 0 | 0 | 59 | 0.16 | | | | |
| | Fanö ... | 29.83 | 53 | SW | 4 | T | 29.76 | -23 | 51 | 50 | -2 | 2 | 0 | T | * | 57 | 0.38 | | | | |
| BRITISH ISLANDS. | Sumburgh Head | 29.22 | 47 | WNW | 4 | 0 | 29.26 | -10 | 47 | 45 | -1 | W | 5 | 0 | 6 | 52 | 0.25 | | | | |
| | Stornoway ... | 29.47 | 43 | WN | 6 | T | 29.69 | +33 | 44 | 43 | -1 | WN | 7 | T | 6 | 45 | 0.53 | | | | |
| | Wick ... | 29.53 | 46 | W | 5 | bc | 29.55 | +21 | 45 | 45 | -3 | WN | 7 | Tu | 3 | 52 | 0.10 | | | | |
| | Nairn ... | 29.51 | 48 | W | 1 | bc | 29.68 | +29 | 45 | 42 | -2 | WNW | 3 | C | 2 | 53 | 0.01 | | | | |
| | Aberdeen ... | 29.53 | 47 | SW | 3 | f | 29.69 | +19 | 45 | 41 | 0 | W | 5 | Cq | 4 | 56 | — | | | | |
| | Leith ... | 29.63 | 47 | WNW | 4 | f | 29.81 | +23 | 45 | 42 | -2 | W | 4 | C | * | 58 | — | | | | |
| | Shields ... | 29.69 | 50 | SW | 3 | C | 29.85 | +20 | 46 | 44 | -2 | WNW | 2 | bc | 2 | 57 | — | | | | |
| | Spurn Head ... | 29.79 | 52 | WNW | 2 | og | 29.92 | +26 | 47 | 44 | -4 | WNW | 4 | bcw | 3 | 54 | — | | | | |
| | York ... | 29.78 | 51 | SW | 4 | og | 29.94 | +25 | 46 | 44 | -1 | SW | 3 | f | * | 57 | — | | | | |
| | Loughborough | 29.85 | 50 | SW | 1 | C | 30.01 | +24 | 44 | 42 | -5 | W | 2 | bcw | * | 56 | — | | | | |
| GERMANY & HOLLAND. | Ardrossan ... | 29.69 | 49 | W | 4 | og | 29.88 | +30 | 50 | 47 | -1 | WN | 4 | Cq | 3 | 55 | 0.07 | | | | |
| | Malin Head ... | 29.74 | 49 | WN | 6 | C | 29.91 | +38 | 50 | 46 | +1 | WNW | 5 | C | 3 | 51 | 0.02 | | | | |
| | Mullaghmore ... | 29.89 | 47 | WN | 2 | C | 30.08 | +36 | 50 | 45 | +1 | WNW | 2 | f | * | 53 | 0.06 | | | | |
| | Belmullet ... | 29.79 | 47 | W | 3 | f | 29.99 | +32 | 43 | 41 | 0 | WNW | 3 | f | 1 | 56 | — | | | | |
| | Donaghadee ... | 29.89 | 47 | WN | 2 | C | 30.01 | +25 | 50 | 44 | +2 | WNW | 5 | bc | 4 | 54 | 0.07 | | | | |
| | Liverpool (Bidston) | 29.80 | 52 | WNW | 2 | C | 30.03 | +28 | 49 | 45 | -2 | WN | 4 | bc | 4 | 56 | 0.07 | | | | |
| | Holyhead ... | 29.87 | 49 | SW | 1 | C | 30.14 | +35 | 56 | 55 | -4 | 5 | 1 | f | * | 56 | 0.40 | | | | |
| | Valencia ... | 29.96 | 52 | WNW | 3 | f | 30.18 | +30 | 45 | 44 | -7 | NE | 1 | om | 1 | 55 | — | | | | |
| | Roche's Point | 29.90 | 53 | WNW | 3 | f | 30.16 | +29 | 47 | 45 | +4 | WNW | 2 | C | 3 | 56 | — | | | | |
| | Pembroke (St. Ann's Hd.) | 29.86 | 53 | WNW | 3 | f | 30.07 | +21 | 50 | 46 | 0 | N | 3 | bc | 3 | 54 | — | | | | |
| FRANCE AND BELGIUM. | Seilly ... | 29.89 | 53 | WNW | 4 | C | 30.09 | +27 | 54 | 50 | +1 | NNE | 4 | bc | 3 | 55 | 0.01 | | | | |
| | Prawle Point ... | 29.86 | 50 | SW | 2 | T | 30.08 | +25 | 50 | 48 | -5 | WNW | 2 | f | 1 | 53 | 0.54 | | | | |
| | Jersey (St. Aubin's) | 29.86 | 61 | SW | 5 | OT | 30.07 | +16 | 55 | 51 | -6 | WNW | 3 | f | 3 | 62 | 1.28 | | | | |
| | Hurst Castle ... | 29.83 | 53 | NNE | 1 | T | 30.04 | +20 | 49 | 47 | -11 | WNW | 1 | om | 2 | 61 | 0.48 | | | | |
| | Dungeness ... | 29.82 | 60 | SW | 7 | T | 29.99 | +12 | 50 | 48 | -10 | N | 3 | m | 2 | 61 | 1.12 | | | | |
| | North Foreland | 29.82 | 59 | SW | 6 | T | 29.97 | +12 | 50 | 48 | -9 | WN | 4 | bc | 3 | 61 | 0.82 | | | | |
| | London ... | 29.86 | 55 | 2 | 0 | T | 30.01 | +19 | 45 | 45 | -14 | WNW | 1 | f | * | 61 | 0.61 | | | | |
| | Oxford ... | 29.86 | 50 | W | 1 | T | 30.04 | +25 | 45 | 43 | -11 | WN | 1 | f | * | 57 | 0.05 | | | | |
| | Cambridge ... | 29.85 | 52 | WNW | 1 | T | 30.01 | +24 | 47 | 45 | -11 | WNW | 2 | f | * | 60 | 0.12 | | | | |
| | Yarmouth ... | 29.81 | 55 | WNW | 1 | T.O | 29.93 | +14 | 48 | 47 | -10 | WNW | 3 | om | 3 | 62 | 0.29 | | | | |
| PENINSULA. | Cuxhaven ... | 29.93 | 58 | SW | 3 | 0 | 29.84 | -29 | 56 | 55 | +9 | SW | 4 | T | * | 53 | 0.14 | | | | |
| | Berlin ... | 30.11 | 56 | SW | 1 | f | 29.99 | -23 | 51 | 49 | -1 | SE | 2 | 0 | * | 64 | — | | | | |
| | Wiesbaden ... | 30.02 | 51 | 5 | 0 | f | 30.02 | -10 | 51 | 50 | +1 | 2 | 0 | C | * | 63 | — | | | | |
| | Munich ... | 30.18 | 48 | 2 | 2 | f | 30.12 | -18 | 48 | 48 | +4 | SW | 3 | bc | * | 61 | — | | | | |
| | The Helder ... | 29.87 | 57 | SW | 5 | T | 29.91 | -27 | 51 | 48 | 0 | WN | 2 | T | 2 | 57 | 0.63 | | | | |
| | Brussels (9 a.m.) | 29.89 | 53 | SW | 4 | T | 29.89 | -17 | 55 | 53 | +3 | SW | 4 | T | * | 53 | 0.16 | | | | |
| | Cape Gris Nez | 29.79 | 57 | SW | 6 | T | 29.90 | +22 | 50 | 47 | -6 | N | 4 | 0 | 4 | 57 | 1.22 | | | | |
| | Paris ... | 30.03 | 59 | 2 | 0 | 0 | 29.98 | -13 | 55 | 54 | +4 | 5 | 2 | 0 | * | 66 | — | | | | |
| | Brest ... | 29.91 | 57 | SW | 5 | 0 | 29.91 | -2 | 48 | 46 | -11 | NE | 2 | f | 3 | 53 | 0.91 | | | | |
| | Lorient ... | 29.91 | 61 | SW | 5 | C | 30.02 | +26 | 53 | 51 | -8 | NNE | 4 | C | 4 | 64 | 0.29 | | | | |
| PENINSULA. | Rocheport ... | 29.93 | 62 | SE | 2 | 0 | 29.97 | -24 | 61 | 60 | +4 | WNW | 2 | C | * | 68 | — | | | | |
| | Belfort ... | 29.93 | 53 | E | 1 | bc | 29.93 | -2 | 52 | 50 | -2 | 5 | 1 | C | * | 68 | — | | | | |
| | Lyons ... | 29.93 | 59 | 2 | 2 | f | 30.13 | -12 | 51 | 47 | +4 | WNW | 1 | f | * | 68 | — | | | | |
| | Nice ... | 30.17 | 60 | 2 | 1 | f | 30.12 | -12 | 55 | 53 | +2 | E | 1 | bc | 1 | 66 | — | | | | |
| | Perpignan ... | 30.06 | 61 | 2 | 0 | f | 30.11 | -27 | 54 | 52 | +6 | SW | 1 | 0 | * | 77 | — | | | | |
| | Biarritz ... | 29.98 | 71 | SW | 3 | C | 30.06 | +21 | 61 | 54 | +2 | SW | 2 | f | 1 | 78 | — | | | | |
| | Corunna .. | 30.13 | 63 | W | 3 | f | 30.19 | +26 | 59 | 57 | +2 | NNE | 3 | 0 | * | 70 | — | | | | |
| | Lisbon ... | 30.13 | 63 | W | 3 | f | 30.19 | +26 | 59 | 57 | +2 | NNE | 3 | 0 | * | 70 | — | | | | |

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, 12th October 1893.

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

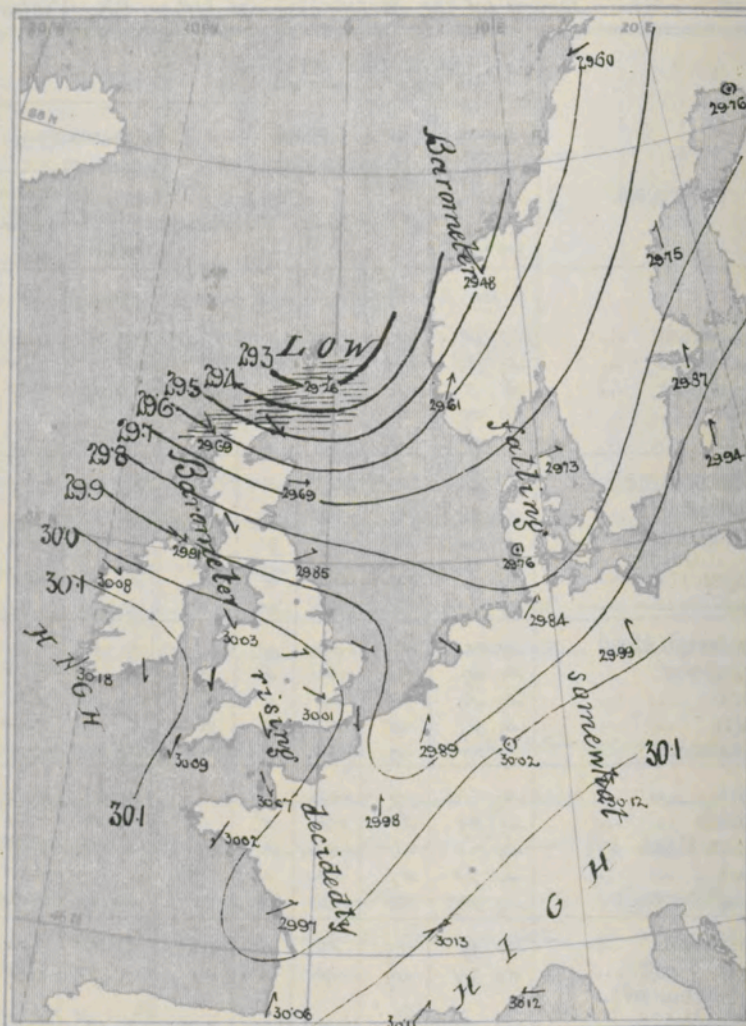
at 8.0 a.m. for the month of October.

During the 20 Years 1871—1890.

STATIONS.

MEAN READINGS.

| | ins. |
|---------------|--------|
| Sumburgh Head | 29.720 |
| Stornoway | 29.756 |
| Wick | 29.763 |
| Nairn | 29.779 |
| Aberdeen | 29.793 |
| Leith | 29.822 |
| Shields | 29.846 |
| Spurn Head | 29.867 |
| York | 29.882 |
| Loughborough | 29.904 |
| Ardrossan | 29.831 |
| Mullaghmore | 29.845 |
| Donaghadee | 29.850 |
| Holyhead | 29.872 |
| Liverpool | 29.879 |
| Parsonstown | 29.897 |
| Valencia | 29.896 |
| Roche's Point | 29.892 |
| Pembroke | 29.888 |
| Scilly | 29.910 |
| Prawle Point | 29.931 |
| Jersey | 29.925 |
| Hurst Castle | 29.922 |
| Dover | 29.916 |
| LONDON | 29.923 |
| Oxford | 29.924 |
| Cambridge | 29.912 |
| Yarmouth | 29.894 |



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.

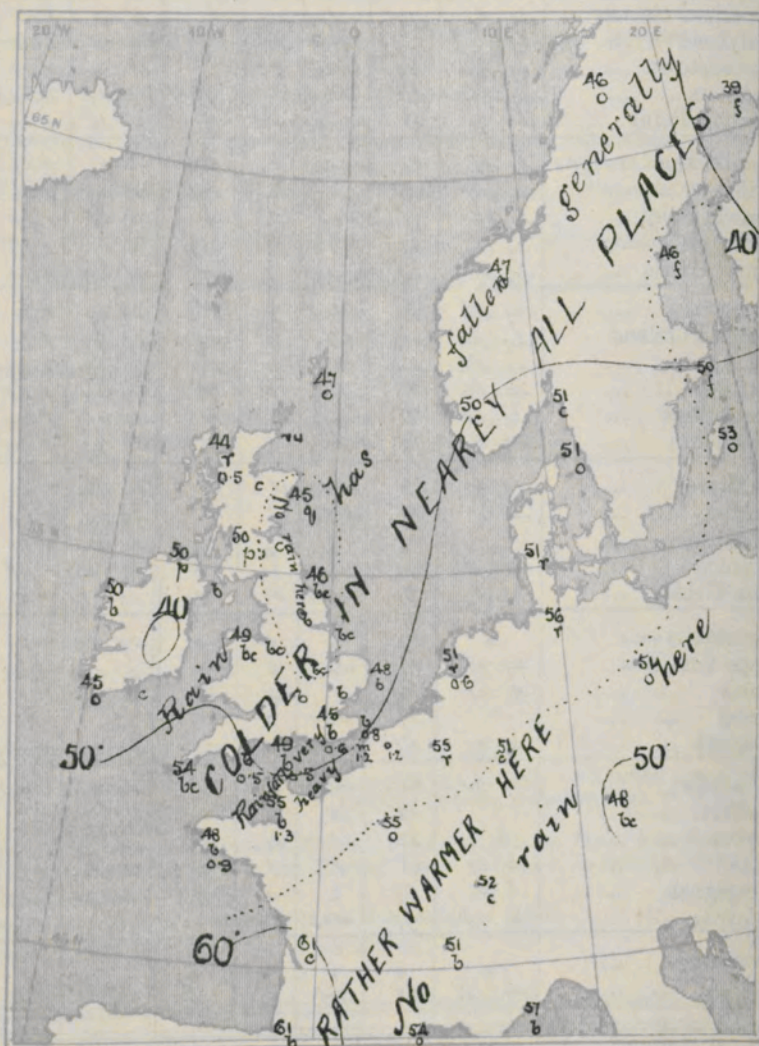
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of October.)

| STATIONS. | TEMPERATURE. | | | | RAINFALL. (Inches.) |
|---------------|---------------|---------------|-----------|------|------------------------|
| | Daily Max. | Daily Min. | at 8 a.m. | | |
| | | | Dry. | Wet. | |
| Sumburgh Head | 49.8 | 41.6 | 46.0 | 44.3 | 4.27 |
| Stornoway | 51.0 | 40.5 | 45.6 | 44.5 | 5.04 |
| Wick | 51.7 | 40.5 | 46.3 | 44.6 | 3.02 |
| Nairn | 51.9 | 40.8 | 44.8 | 42.9 | 2.38 |
| Aberdeen | 52.5 | 41.4 | 45.6 | 43.6 | 2.87 |
| Leith | 54.7 | 41.8 | 46.7 | 44.9 | 1.97 |
| Shields | 53.2 | 42.7 | 47.2 | 45.4 | 2.48 |
| Spurn Head | 53.3 | 45.7 | 48.8 | 47.3 | 2.27 |
| York | 54.5 | 41.4 | 45.9 | 44.5 | 2.60 |
| Loughborough | 55.7 | 41.1 | 45.9 | 44.6 | 2.80 |
| Ardrossan | 53.7 | 43.7 | 47.8 | 45.8 | 3.87 |
| Mullaghmore | 54.2 | 45.7 | 49.1 | 46.9 | 4.75 |
| Donaghadee | 53.6 | 43.6 | 47.8 | 46.6 | 3.14 |
| Holyhead | 54.7 | 47.3 | 50.3 | 48.3 | 4.31 |
| Liverpool | 53.8 | 44.7 | 47.8 | 45.8 | 3.46 |
| Parsonstown | 54.8 | 41.0 | 46.2 | 44.5 | 3.16 |
| Valencia | 56.6 | 46.8 | 51.4 | 49.2 | 5.88 |
| Roche's Point | 56.0 | 46.1 | 50.2 | 48.3 | 4.09 |
| Pembroke | 54.9 | 48.0 | 51.2 | 49.2 | 3.96 |
| Scilly | 56.6 | 50.2 | 53.7 | 51.6 | 3.70 |
| Prawle Point | 56.7 | 46.2 | 51.2 | 49.6 | 3.60 |
| Jersey | 58.2 | 48.6 | 53.3 | 50.7 | 4.45 |
| Hurst Castle | 57.1 | 45.8 | 50.8 | 49.2 | 3.26 |
| Dover | 56.1 | 46.2 | 50.2 | 48.2 | 3.22 |
| LONDON | 56.7 | 42.7 | 47.5 | 45.9 | 2.57 |
| Oxford | 55.5 | 42.2 | 46.2 | 44.9 | 2.56 |
| Cambridge | 56.5 | 41.0 | 46.4 | 45.3 | 2.27 |
| Yarmouth | 54.3 | 44.6 | 49.0 | 47.6 | 2.92 |

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 over the southern parts of France and Germany.
Lowest 29.3 ins. and less in a rather deep depression lying near the Shetlands.

Gradients steep off the north and northeast of Scotland, but slight elsewhere.

Barometer rising over the United Kingdom and the W. of France, but falling in nearly all other parts of our area.

TEMPERATURE

Highest 61° at Rochester and Biarritz, 57° at Nice, 56° at Cassanov, and 55° at Jersey, Brussels and Paris.

Lowest (1) 36° at Portonstown, 43° at Donaglass, and 44° at Stornoway and Loughborough; (2)

39° at Haparanda and 46° at Bodö and Hernösand.

During the night the thermometer on the grass fell to 33° at Oxford, and to 32° at Loughborough.

WIND

W² or NW² in all the more northern parts of the United Kingdom, with a moderate gale in the N. of Scotland.

Light from the N. or on our southern coasts; S² or SW² at most of the Continental stations, but

SE² or E² in the west of Norway.

WEATHER

Fine and bright over the greater part of Ireland, and England, as well as in the south of France.

Rain in the north of Scotland as well as in Denmark and North Germany; snow in the north of Ireland and the west of Scotland; foggy at most of the Swedish stations.

Heavy rain has fallen in the south of England and the north of France, the largest amounts being 1.3 ins. at Jersey, 1.2 ins. at Cape Gris. Neg., 1.1 ins. at Dungeness, and 0.9 ins. at Arest. Smaller amounts were experienced in Ireland and the west and north of Scotland.

SEA

Rough off the north of Scotland, but moderate to smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The shallow depression which passed along the Channel yesterday is now travelling away to the eastward, and an anticyclone is apparently spreading over our Islands from the Atlantic. The depression near the Shetlands seems likely to pass away in a northerly or northeasterly direction.

FORECASTS

For the 24 hours ending at NOON on 13TH OCTOBER 1893.

DISTRICTS.

FORECASTS.

- | | | |
|---|------------------|---|
| 0 | SCOTLAND NORTH | { W ² and NW ² winds, strong; squally and rainy at first, some improvement later. |
| 1 | SCOTLAND EAST | |
| 2 | ENGLAND N.E. | { W ² to NW ² winds, moderate; fair generally, but perhaps local showers. |
| 3 | ENGLAND EAST | |
| 4 | MIDLAND COUNTIES | { NW ² winds, light; fine generally, very cold at night. |
| 5 | ENGLAND SOUTH | |

DISTRICTS.

FORECASTS.

- | | | |
|----------|---------------|---|
| 6 | SCOTLAND WEST | { NW ² winds, moderate or fresh; changeable, some showers. |
| 7 | ENGLAND N.W. | |
| 8 | ENGLAND S.W. | Same as Nos 1. and 2. |
| 9 | IRELAND NORTH | { N ² and NW ² winds, light; fair generally. |
| 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. Dirac. | F. | WEA. | SEA. | | BAR. | THER. | | WIND. Dirac. | F. | WEA. | SEA. |
|-------------------|-------|-------|------|-----------------|----|------|------|--------------------|-------|-------|------|-----------------|----|------|------|
| | | Dry. | Wet. | | | | | | | Dry. | Wet. | | | | |
| Skudesnaes ... | 29.56 | 58 | 52 | SE | 9 | T | 6 | Valencia ... | 29.91 | 55 | 52 | NW | 4 | bcl | 4 |
| Sumburgh Head ... | 29.27 | 48 | 45 | WSW | 4 | C | 5 | Scilly ... | 29.86 | 52 | 53 | N | 4 | o | 5 |
| Stornoway ... | 29.42 | 45 | 45 | W | 4 | T | 4 | Jersey ... | 29.89 | 62 | 60 | S | 5 | ot | 5 |
| Aberdeen ... | 29.49 | 55 | 47 | SW | 4 | bg | 4 | Hurst Castle ... | 29.84 | 55 | 55 | N | 1 | om | 3 |
| Shields ... | 29.67 | 56 | 47 | SW | 5 | b | 2 | Dungeness ... | 29.85 | 60 | 58 | SW | 7 | o | 6 |
| Ardrossan ... | 29.65 | 52 | 51 | W | 5 | bg | 3 | North Foreland ... | 29.85 | 60 | 58 | SW | 6 | tb | 6 |
| Malin Head ... | 29.67 | 53 | 46 | NW | 6 | cp | 4 | London ... | 29.83 | 58 | 56 | WNW | 2 | omd | * |
| Mullaghmore ... | | | | | | | | Yarmouth ... | 29.81 | 58 | 55 | WNW | 2 | c | 4 |
| Belmullet ... | 29.82 | 58 | 49 | NW | 5 | T | * | Rochefort ... | 29.88 | 67 | 61 | SE | 3 | bc | * |
| Holyhead ... | 29.80 | 52 | 49 | SW | 4 | C | 3 | | | | | | | | |

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

Weather in morning still fine and bright over southeastern, southern and southwestern Europe, and temporarily clear in many parts of the United Kingdom and the southern parts of Scandinavia; cloudy elsewhere, rainy at Christiansund, Stornoway, Malin Head and over the western parts of the English Channel, foggy over the Gulf of Bothnia. Rain later at the Norwegian, Scotch and Irish stations, and heavy falls over the south of England, the Channel, north of France and Belgium — more than an inch in several places.

Temperature risen greatly over England, the Gulf of Finland, and also over Spain and Algeria. Morning readings exceeding 70° at many stations on the southern side of the Mediterranean, exceeding 60° over Italy and the Adriatic, and touching 60° even at Hurst Castle and Dungeness. Below 50° over the northern countries, and lowest of all (1) 36° at Archangel, 44° at Haparanda, 45° at Stornoway and Aberdeen; (2) 41° at Kharkov, 48° at Kiev. Exceeding 60° over our southern stations and France later, exceeding 70° at Biarritz and Perpignan, and exceeding 50° over northwestern Europe generally. Falling over our Islands still later.

Wind mainly W² to SW² over the United Kingdom and blowing very strongly in the eastern parts of the Channel, SW² to S² over the North Sea, the Baltic and Finland, SE² in the northwest of Norway. Very variable and light over southern Europe and the Mediterranean, E² over the south of Spain, and SE² over Algeria. Small cyclonic circulation over mouth of Channel in morning — moving eastwards during day. Wind becoming strong from NW over the N. of Scotland.

Barometer Highest 30.4 ins. and more to 30.2 ins. over central and western Russia, ranging between 30.3 ins. and 30.1 ins. over central and southern Europe and the Mediterranean. Lowest 29.4 ins. and less over the north of Scotland and the Shetlands, about 29.7 ins. in a shallow secondary over the North Sea, and about 29.8 ins. in another very small system at the mouth of the English Channel. Both the northern and the southern systems moving eastwards later — that in the north becoming deeper.

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, 13TH OCTOBER, 1893**

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 Yesterday Morn. | Dry Bulb. | | | Wet Bulb. | Change in dry since Yesterday. | | Dirac. | Force (0 to 12). | Max. | Min. |
| | | Ins. | ° | | | | Ins. | | | | | | | | | | | Ins. | | | |
| SCANDINAVIA. | Haparanda ... | 29.78 | 44 | SW | 2 | T | 29.47 | -2.9 | 46 | 46 | +7 | SE | 4 | T | # | 7 | 46 | 36 | 0.47 | | |
| | Hernösand ... | 29.56 | 44 | S | 4 | T | 29.48 | -2.7 | 38 | 32 | -8 | 2 | 0 | C | # | 7 | 50 | ? | 0.32 | | |
| | Stockholm ... | 29.66 | 51 | WNW | 2 | T | 29.58 | -2.9 | 46 | 45 | -4 | SW | 2 | T | # | 7 | 54 | 48 | 0.43 | | |
| | Wisby ... | 29.78 | 52 | SW | 4 | 0 | 29.71 | -2.3 | 49 | 47 | -4 | WNW | 6 | C | # | 0 | 53 | 46 | 0.38 | | |
| | Bodö ... | 29.40 | 44 | NE | 5 | 0 | 29.43 | -1.7 | 46 | 42 | 0 | E | 4 | C | 2 | 0 | 46 | 41 | 0.04 | | |
| | Christiansund... | 29.41 | 51 | SE | 2 | C | 29.46 | -0.2 | 47 | 45 | 0 | 2 | 0 | C | 3 | C | 52 | 45 | — | | |
| | Skudesnaes ... | 29.65 | 50 | W | 6 | T | 29.65 | +0.4 | 48 | 46 | -2 | WNW | 7 | T | 4 | C.T | 52 | 45 | — | | |
| | Christiania Fjord (Fæder) | 29.63 | 51 | WNW | 5 | b | 29.58 | -1.1 | 48 | 46 | -3 | W | 5 | b | 4 | b | 54 | 48 | — | | |
| | Skagen (The Scaw) | 29.71 | 49 | WN | 3 | b | 29.67 | -0.6 | 45 | 46 | -2 | W | 3 | C | 1 | b | 54 | 46 | 0.12 | | |
| | Fanö ... | 29.86 | 50 | WNW | 6 | C | 29.82 | +0.6 | 49 | 48 | -2 | WNW | 6 | C | # | C | 54 | 46 | 0.16 | | |
| BRITISH ISLANDS. | Sumburgh Head | 29.40 | 47 | W | 5 | C | 29.72 | +4.6 | 47 | 44 | 0 | WNW | 4 | b | 6 | O.C | 50 | 44 | 0.21 | | |
| | Stornoway ... | 29.78 | 45 | WN | 4 | C | 29.93 | +2.4 | 43 | 43 | -1 | WN | 2 | T | 3 | b.C | 49 | 40 | 0.16 | | |
| | Wick ... | 29.71 | 45 | WN | 6 | 0 | 29.87 | +3.2 | 44 | 43 | -1 | WN | 3 | C | 2 | 0 | 48 | 41 | 0.20 | | |
| | Nairn ... | 29.84 | 48 | WNW | 3 | b | 29.94 | +2.6 | 48 | 44 | 0 | W | 1 | C | 1 | b | 50 | 40 | — | | |
| | Aberdeen ... | 29.84 | 47 | WNW | 3 | C | 29.94 | +2.5 | 46 | 42 | +1 | W | 4 | b | 3 | b.C | 53 | 41 | — | | |
| | Leith ... | 29.89 | 48 | W | 3 | b | 30.02 | +2.1 | 45 | 42 | 0 | WNW | 2 | b | # | b | 56 | 41 | — | | |
| | Shields ... | 29.96 | 49 | WNW | 4 | C | 30.05 | +2.0 | 46 | 44 | 0 | WNW | 3 | b | 2 | C.T | 55 | 41 | — | | |
| | Spurn Head ... | 30.04 | 51 | WNW | 4 | 0 | 30.10 | +1.8 | 48 | 46 | +1 | W | 4 | b | 3 | C.O | 54 | 46 | — | | |
| | York ... | 30.06 | 50 | W | 3 | 0 | 30.11 | +1.7 | 46 | 44 | 0 | W | 1 | b | # | 0 | 56 | 42 | — | | |
| | Loughborough | 30.13 | 48 | W | 1 | 0 | 30.18 | +1.7 | 47 | 44 | +3 | WNW | 1 | cm | # | 0.9 | 58 | 43 | — | | |
| GERMANY & HOLLAND. | Ardrossan ... | 29.95 | 51 | W | 4 | 0.08 | 30.04 | +1.6 | 47 | 45 | -3 | NE | 1 | cm | 1 | 0.08 | 55 | 42 | 0.12 | | |
| | Malin Head ... | 29.98 | 50 | W | 6 | 0.08 | 30.01 | +1.0 | 47 | 45 | -3 | S | 3 | 0 | 2 | 0.08 | 51 | 45 | 0.06 | | |
| | Mullaghmore ... | 30.12 | 51 | W | 3 | 0 | 29.96 | -1.2 | 50 | 48 | 0 | SE | 4 | cm | # | 0 | 53 | 45 | 0.01 | | |
| | Belmullet ... | 30.06 | 49 | WNW | 3 | b | 30.09 | +1.0 | 46 | 43 | +3 | SW | 3 | C | 1 | b | 56 | 42 | — | | |
| | Donaghadee ... | 30.12 | 48 | WNW | 4 | 0 | 30.14 | +1.3 | 49 | 45 | -1 | WNW | 2 | 0 | 3 | 0 | 53 | 47 | — | | |
| | Holyhead ... | 30.12 | 51 | W | 2 | 0.02 | 30.13 | +1.0 | 51 | 47 | +2 | SW | 1 | C | 2 | 0.02 | 53 | 48 | — | | |
| | Parsonstown ... | 30.16 | 49 | SW | 1 | 0 | 30.08 | -0.6 | 45 | 43 | +9 | SW | 1 | T | # | 0 | 54 | 35 | 0.02 | | |
| | Valencia ... | 30.21 | 50 | 2 | 0 | C | 30.00 | -1.8 | 54 | 53 | +9 | SE | 5 | 0.08 | 4 | C | 57 | 44 | 0.03 | | |
| | Roche's Point | 30.20 | 52 | W | 2 | b | 30.11 | -0.5 | 56 | 54 | +9 | S | 5 | cm | 4 | b | 56 | 45 | — | | |
| | Pembroke (St. Ann's Hd.) | 30.18 | 51 | WNW | 3 | C | 30.16 | +0.9 | 54 | 50 | +4 | SW | 4 | C | 4 | C | 54 | 49 | — | | |
| FRANCE AND BELGIUM. | Scilly ... | 30.22 | 52 | N | 3 | b | 30.20 | +1.1 | 54 | 50 | 0 | SE | 4 | 0 | 3 | b | 53 | 48 | — | | |
| | Prawle Point ... | 30.23 | 49 | WNW | 2 | b | 30.26 | +1.8 | 49 | 46 | -1 | WNW | 1 | C | 0 | b | 61 | 43 | — | | |
| | Jersey (St. Aubin's) | 30.19 | 53 | N | 3 | b | 30.26 | +1.9 | 46 | 45 | -9 | N | 2 | cm | 2 | b.C | 60 | 43 | — | | |
| | Hurst Castle ... | 30.18 | 50 | WNW | 2 | b | 30.24 | +2.0 | 43 | 41 | -6 | N | 1 | cm | 2 | cm.b | 60 | 40 | — | | |
| | Dungeness ... | 30.15 | 49 | N | 1 | C | 30.20 | +2.1 | 46 | 43 | -4 | WN | 2 | b | 1 | C | 56 | 39 | — | | |
| | North Foreland | 30.14 | 50 | W | 2 | b | 30.21 | +2.4 | 46 | 43 | -4 | W | 2 | b | 2 | b.C | 55 | 43 | — | | |
| | London ... | 30.15 | 46 | WNW | 1 | b | 30.22 | +2.1 | 42 | 40 | -2 | WNW | 1 | b | # | b.C | 61 | 36 | — | | |
| | Oxford ... | 30.15 | 46 | W | 2 | b | 30.23 | +1.9 | 41 | 40 | -4 | SW | 1 | cm | # | b | 57 | 38 | — | | |
| | Cambridge ... | 30.14 | 47 | WNW | 1 | b | 30.20 | +1.9 | 45 | 43 | -2 | SW | 3 | C | # | b | 58 | 41 | — | | |
| | Yarmouth ... | 30.07 | 52 | W | 3 | b | 30.13 | +2.0 | 46 | 44 | -2 | W | 3 | cm | 3 | b | 53 | 43 | 0.01 | | |
| PENINSULA. | Cuxhaven ... | 29.93 | 47 | WNW | 5 | T | 29.99 | +1.5 | 47 | 46 | -9 | WNW | 4 | T | # | T | 56 | 46 | 0.64 | | |
| | Berlin ... | 29.93 | 53 | W | 4 | T | 30.10 | +1.1 | 46 | 45 | -5 | SW | 3 | C | # | T | 63 | 45 | 0.04 | | |
| | Wiesbaden ... | 30.16 | 53 | SW | # | # | 30.23 | +2.1 | 44 | 43 | -7 | WN | 1 | 0 | # | # | 61 | 43 | 0.04 | | |
| | Munich ... | 30.10 | 52 | SW | 4 | b | 30.23 | +1.1 | 46 | 46 | -2 | 2 | 0 | T | # | b | 64 | 46 | 0.04 | | |
| | The Helder ... | 30.10 | 54 | WNW | 4 | b | 30.12 | +2.1 | 53 | 48 | +2 | W | 6 | b | 4 | b | 54 | 35 | 0.08 | | |
| | Brussels (9 a.m.) | 30.10 | 53 | N | 1 | b | 30.23 | +2.4 | 45 | 43 | -10 | WNW | 3 | 0 | # | b | 57 | 41 | 0.08 | | |
| | Cape Gris Nez | 30.20 | 49 | NNE | 1 | b | 30.16 | +2.6 | 51 | 46 | +1 | WNW | 2 | C | 2 | b | 53 | 46 | — | | |
| | Paris ... | 30.20 | 49 | NNE | 1 | b | 30.28 | +3.0 | 37 | 37 | -18 | N | 1 | C | # | b | 58 | 37 | — | | |
| | Brest ... | 30.18 | 53 | NE | 1 | b | 30.23 | +2.0 | 49 | 48 | +1 | E | 2 | C | 2 | b | 61 | 46 | — | | |
| | Lorient ... | 30.18 | 53 | NNE | 4 | b | 30.26 | +2.4 | 49 | 47 | -4 | E | 3 | C | 2 | b | 64 | 46 | — | | |
| FRANCE AND BELGIUM. | Rochefort ... | 30.04 | 63 | W | 2 | C | 30.23 | +2.4 | 45 | 43 | -10 | WNW | 3 | 0 | # | b.C | 66 | 34 | — | | |
| | Belfort ... | 30.16 | 53 | SW | 1 | C | 30.24 | +1.1 | 54 | 51 | +3 | NNE | 1 | cm | # | C | 71 | 47 | 0.20 | | |
| | Lyons ... | 30.08 | 58 | E | 1 | b | 30.10 | -0.2 | 55 | 52 | -3 | N | 1 | b | # | b | 71 | 57 | — | | |
| | Nice ... | 30.08 | 58 | E | 1 | b | 30.10 | -0.2 | 55 | 52 | -3 | E | 1 | b | # | b | 71 | 57 | — | | |
| | Perpignan ... | 30.13 | 61 | 2 | 0 | b | 30.22 | +1.1 | 61 | 56 | +7 | WN | 2 | b | # | b | 71 | 53 | — | | |
| | Biarritz ... | 30.13 | 65 | WNW | 3 | C | 30.23 | +1.7 | 60 | 59 | -1 | SW | 3 | 0 | 1 | C | 77 | 59 | 0.04 | | |
| | Corunna ... | 30.20 | 63 | WNW | 4 | b | 30.22 | +2.3 | 62 | 59 | +3 | NE | 2 | b | # | b | 72 | 57 | — | | |
| | Lisbon ... | 30.20 | 63 | WNW | 4 | b | 30.22 | +2.3 | 62 | 59 | +3 | NE | 2 | b | # | b | 72 | 57 | — | | |

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, 13th October 1893.

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

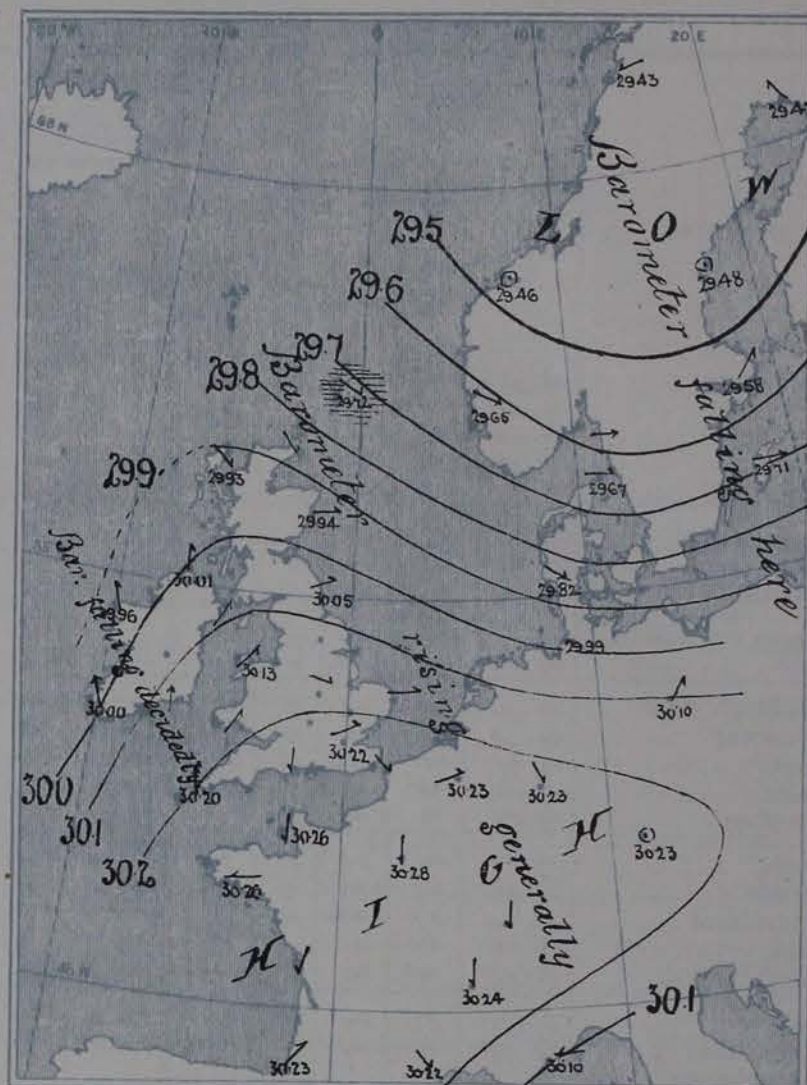
at 8.0 a.m. for the month of October.

During the 20 Years 1871—1890.

STATIONS.

MEAN READINGS.

| STATIONS. | MEAN READINGS. |
|---------------|----------------|
| Sumburgh Head | 29.726 |
| Stornoway | 29.750 |
| Wick | 29.763 |
| Nairn | 29.779 |
| Aberdeen | 29.793 |
| Leith | 29.822 |
| Shields | 29.846 |
| Spurn Head | 29.867 |
| York | 29.882 |
| Loughborough | 29.904 |
| Ardrossan | 29.931 |
| Mullaghmore | 29.945 |
| Donaghadee | 29.950 |
| Holyhead | 29.972 |
| Liverpool | 29.979 |
| Parsonstown | 29.997 |
| Valencia | 29.996 |
| Roche's Point | 29.992 |
| Pembroke | 29.988 |
| Scilly | 29.910 |
| Prawle Point | 29.931 |
| Jersey | 29.925 |
| Hurst Castle | 29.922 |
| Dover | 29.910 |
| LONDON | 29.923 |
| Oxford | 29.924 |
| Cambridge | 29.912 |
| Yarmouth | 29.894 |



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 October.)

STATIONS.

TEMPERATURE.

RAINFALL (Inches.)

| STATIONS. | TEMPERATURE. | | | | RAINFALL (Inches.) |
|---------------|---------------|---------------|-------------------|------|-----------------------|
| | Daily Max. | Daily Min. | Dry, at 8 a.m. | Wet | |
| Sumburgh Head | 49.8 | 41.6 | 48.0 | 44.3 | 4.27 |
| Stornoway | 51.0 | 40.5 | 45.6 | 44.5 | 5.04 |
| Wick | 51.7 | 40.5 | 46.3 | 44.6 | 3.02 |
| Nairn | 51.9 | 40.8 | 44.8 | 42.9 | 2.38 |
| Aberdeen | 52.5 | 41.4 | 45.6 | 43.6 | 2.87 |
| Leith | 54.7 | 41.8 | 46.7 | 44.9 | 1.97 |
| Shields | 53.2 | 42.7 | 47.2 | 45.4 | 2.48 |
| Spurn Head | 53.3 | 45.7 | 48.8 | 47.3 | 2.27 |
| York | 54.5 | 41.4 | 45.9 | 44.5 | 2.60 |
| Loughborough | 55.7 | 41.1 | 45.9 | 44.6 | 2.80 |
| Ardrossan | 53.7 | 43.7 | 47.8 | 45.8 | 3.87 |
| Mullaghmore | 54.2 | 45.7 | 49.1 | 46.0 | 4.75 |
| Donaghadee | 53.6 | 43.6 | 47.8 | 46.6 | 3.14 |
| Holyhead | 54.7 | 47.3 | 50.3 | 48.3 | 4.31 |
| Liverpool | 53.8 | 44.7 | 47.8 | 45.8 | 3.46 |
| Parsonstown | 54.8 | 41.0 | 46.2 | 44.5 | 3.16 |
| Valencia | 56.6 | 46.8 | 51.4 | 49.2 | 5.88 |
| Roche's Point | 56.0 | 46.1 | 50.2 | 48.3 | 4.09 |
| Pembroke | 54.9 | 48.0 | 51.2 | 49.2 | 3.96 |
| Scilly | 56.6 | 50.2 | 53.7 | 51.6 | 3.70 |
| Prawle Point | 56.7 | 46.2 | 51.2 | 49.6 | 3.60 |
| Jersey | 58.2 | 48.6 | 53.3 | 50.7 | 4.45 |
| Hurst Castle | 57.1 | 45.8 | 50.8 | 49.2 | 3.20 |
| Dover | 56.1 | 46.2 | 50.2 | 48.2 | 3.22 |
| LONDON | 56.7 | 42.7 | 47.5 | 45.9 | 2.57 |
| Oxford | 55.5 | 42.2 | 46.2 | 44.9 | 2.56 |
| Cambridge | 56.5 | 41.0 | 46.4 | 45.3 | 2.27 |
| Yarmouth | 54.3 | 44.6 | 49.0 | 47.6 | 2.92 |

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 a large anticyclone lying over France, Belgium and the southern parts of England and Germany.

Lowest 29.5 ins. and less in a large depression covering the greater part of Scandinavia.

Gradients slight generally but increasing over Ireland. Barometer falling in the west of our Islands, - briskly in the west of Ireland, rising in the E. parts of the United Kingdom as well as in France and Germany.

TEMPERATURE

Highest 61° at Perpignan, 60° at Biarritz, 56° at Roches Point and Rochefort, 55° at Nice, and 54° at Valencia (Ireland), Pembroke and Scilly.

Lowest (1) 57° at Paris, 41° at Oxford, 42° in London, and 43° at Hurst Castle (2) 38° at Hemsand.

Ground frost occurred last night over the inland parts of England, the thermometer on the grass falling to 32° at Oxford and to 26° in London.

WIND

S. to S.E. at most of our western stations, and fresh in force in the south of Ireland.

Light to moderate from the W. in the eastern parts of our Islands, and strong from the same quarter in Denmark and the south of Scandinavia; moderate from the E. in the N. of Scandinavia.

Light and variable in France, but chiefly from the N. or E.

WEATHER

Dull in Ireland, with rain at Parsiford and a threatening appearance at Roches Point.

Fair or fine in most other parts of W. Europe, but rising at some of the Scandinavian stations.

A solar halo is reported at Jersey.

Rain fell yesterday in the N. of Scotland, as well as in Scandinavia, Denmark, Germany and the Netherlands.

SEA

Moderate to smooth generally, but rather rough at Lumbagh Head.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

A depression of considerable size is approaching our Islands from the Atlantic, and unsettled weather is likely to set in very shortly over the entire Kingdom. A decided increase of wind is probable in most districts, with gales on our western coasts.

FORECASTS

For the 24 hours ending at NOON on 14TH OCTOBER 1893.

DISTRICTS.

FORECASTS.

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

Wind backing to the S. or S.E. and increasing in force; fine to unsettled and rainy.

Same as No. 5.

Wind backing to the S. and increasing in force; fine to unsettled and rainy.

DISTRICTS.

FORECASTS.

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

Same as Nos 0 and 1

S. to S.W. winds, increasing to a gale; squally, rainy.

WARNINGS

At 10 am today to districts 7, 9, 10 and part of 8. hoist S. 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 ... | 29.63 | 51 | 48 | SW | 6 | c | 5 | Valencia ... | 30.20 | 56 | 51 | WNW | 2 | c | 3 |
| Sumburgh Head | 29.44 | 48 | 46 | W | 5 | c | 6 | Scilly ... | 30.19 | 54 | 50 | NNW | 3 | bc | 3 |
| Stornoway ... | 29.75 | 48 | 46 | WN | 6 | bc | 5 | Jersey ... | 30.16 | 53 | 50 | NNW | 3 | bc | 3 |
| Aberdeen ... | 29.77 | 52 | 44 | W | 6 | bc | 4 | Hurst Castle | 30.14 | 53 | 50 | WNW | 2 | bc | 2 |
| Shields ... | 29.93 | 52 | 48 | WNW | 4 | c | 2 | Dungeness... | 30.09 | 55 | 49 | N | 3 | c | 2 |
| Ardrossan ... | 29.92 | 51 | 48 | W | 4 | c | 3 | North Foreland... | 30.08 | 55 | 48 | NNW | 3 | bc | 2 |
| Malin Head | 29.97 | 49 | 46 | W | 6 | bc | 4 | London ... | 30.11 | 55 | 48 | NNW | 2 | bc | * |
| Mullaghmore | | | | | | | | Yarmouth ... | 30.03 | 54 | 48 | WNW | 3 | bc | 3 |
| Belmullet ... | 30.12 | 52 | 47 | WNW | 3 | c | * | Rocheport ... | 30.01 | 65 | 62 | WNW | 3 | bc | * |
| Holyhead ... | 30.11 | 51 | 47 | W | 3 | c | 3 | | | | | | | | |

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

Weather in morning varying greatly in different localities; - fine and bright over southern, southern and southwestern Europe, dull and unsettled over the Baltic and northern Europe, with rain at Archangel and St. Petersburg; dull and very rainy over the Netherlands and the north and northeast of France, fine over England and Ireland, squally and rainy over Scotland. Considerable rainfall over Scandinavia later, and smaller quantities in Denmark, Germany, the Netherlands and north and west of Scotland; fine over England and Ireland.

Temperature fallen greatly over England, risen a little over southern Europe. Morning readings still exceeding 70° at many of the extreme southern stations, but below 60° over by far the greater part of Europe, above 50°, however, except over the northern countries and the British Islands. Lowest 39° at Haparanda, and 45° to 49° over Finland and the northern half of Scandinavia; 44° to 47° over Scotland and our midland counties. Touching 60° or more later over the south of England and in France and Germany, and reaching 71° at Lyons and Perpignan, and 77° at Biarritz.

Wind (1) strong to a moderate gale from WNW and W. over the north of Scotland, and from SSW at Skudesnaes, moderate S over the Baltic, light from SE. and E. over the northern parts of Norway; NW to N over England and the Channel, SW to S over central France and the Netherlands; very variable over southwestern, southern and southeastern Europe. Moderating in Scotland later and showing a tendency to back towards SW in the west of Ireland.

Barometer Highest (1) 30.3 ins. and more over Russia, (2) 30.2 ins. and more over the Iberian Peninsula, and exceeding 30.1 ins. over southern Europe generally. Lowest 29.3 ins. and less in a depression over the Shetlands, and 29.9 ins. and less over Belgium. Rising fast over the Shetlands later and briskly over the North Sea and east of our Islands, but inclined to fall again in the west of Ireland.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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, 14th October, 1893

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. |
| Ins. | | ° | | | | Ins. | ° | ° | ° | | | | | | | ° | ins. | | | |
| SCANDINAVIA. | Haparanda ... | 29.42 | 45 | 2 | 0 | τ | 29.31 | - 16 | 44 | 44 | - 2 | 2 | 0 | 0 | # | τ | 46 | 46 | 0.51 | |
| | Hernösand ... | 29.47 | 41 | 2 | 0 | f | 29.50 | + 02 | 42 | 41 | + 4 | 5 | 2 | 0 | # | f | 48 | 37 | - | |
| | Stockholm ... | 29.58 | 45 | W | 2 | b | 29.59 | + 01 | 46 | 45 | 0 | SW | 2 | 0 | # | b | 54 | 45 | 0.04 | |
| | Wisby ... | 29.73 | 48 | WSW | 4 | b | 29.65 | - 06 | 49 | 46 | 0 | NW | 6 | 0 | # | b | 52 | 45 | - | |
| | Bodö ... | 29.60 | 44 | 2 | 0 | b | 29.52 | + 09 | 42 | 41 | - 4 | 2 | 0 | 0 | # | b | 48 | 41 | 0.35 | |
| | Christiansund... | 29.61 | 47 | WNW | 4 | τ | 29.61 | + 15 | 44 | 42 | - 3 | SW | 5 | τ | 1 | τ | 52 | 43 | 0.79 | |
| | Skudesnaes ... | 29.80 | 46 | NW | 5 | τ | 29.71 | + 06 | 44 | 43 | - 4 | SW | 1 | 0 | 3 | c, τ | 52 | 43 | - | |
| | Christiania Fjord (Fairlie) | 29.60 | 52 | WNW | 5 | b | 29.67 | + 09 | 47 | 44 | - 1 | WNW | 4 | b | 4 | b | 52 | 41 | - | |
| | Skagen (The Scaw) | 29.69 | 50 | NW | 5 | b | 29.69 | + 02 | 51 | 46 | + 2 | WNW | 5 | bc | 2 | b | 54 | 46 | - | |
| | Fanö ... | 29.93 | 50 | W | 6 | c | 29.82 | 00 | 50 | 48 | + 1 | SW | 3 | 0 | # | c | 54 | 46 | 0.16 | |
| BRITISH ISLANDS. | Sumburgh Head | 29.77 | 45 | WNW | 1 | 0 | 29.61 | - 11 | 47 | 45 | 0 | 2 | 0 | 0 | 2 | c, 0 | 49 | 40 | - | |
| | Stornoway ... | 29.78 | 44 | SW | 2 | τ | 29.52 | - 41 | 50 | 50 | + 7 | NE | 2 | τ | 2 | 0, τ | 50 | 41 | 0.31 | |
| | Wick ... | 29.77 | 47 | NW | 3 | 0 | 29.55 | - 32 | 49 | 48 | + 5 | SE | 3 | τ | 3 | 0 | 49 | 42 | 0.10 | |
| | Nairn ... | 29.85 | 46 | 2 | 0 | τ | 29.55 | - 39 | 46 | 45 | + 1 | 2 | 0 | 0 | 0 | τ | 51 | 42 | 0.17 | |
| | Aberdeen ... | 29.90 | 48 | SW | 3 | ogp | 29.56 | - 38 | 48 | 47 | + 2 | W | 1 | OT | 3 | c, ogp | 52 | 45 | 0.47 | |
| | Leith ... | 29.90 | 48 | SW | 2 | τ | 29.56 | - 46 | 55 | 55 | + 10 | SW | 1 | τm | # | τ | 57 | 43 | 0.22 | |
| | Shields ... | 29.98 | 52 | SW | 3 | 0 | 29.62 | - 43 | 57 | 56 | + 11 | WSW | 1 | 0 | 2 | bc, OT | 57 | 45 | 0.04 | |
| | Spurn Head ... | 30.04 | 51 | SSW | 3 | 0 | 29.72 | - 38 | 55 | 54 | + 7 | SW | 3 | τ | 3 | c, og | 55 | 47 | 0.15 | |
| | York ... | 30.05 | 51 | S | 2 | 0 | 29.70 | - 41 | 54 | 54 | + 8 | S | 1 | τ | # | 0 | 57 | 45 | 0.01 | |
| | Loughborough | 30.11 | 51 | SSW | 1 | 0 | 29.80 | - 38 | 59 | 57 | + 12 | SW | 4 | ogp | # | 0 | 59 | 47 | 0.08 | |
| GERMANY & HOLLAND. | Ardrossan ... | 29.86 | 51 | SSE | 3 | τm | 29.57 | - 47 | 57 | 57 | + 10 | WSW | 4 | 0 | 3 | 0, τm | 57 | 46 | 0.77 | |
| | Malin Head ... | 29.65 | 53 | S | 6 | OT | 29.69 | - 42 | 56 | 56 | + 9 | WSW | 5 | OT | 3 | OT | 57 | 47 | 0.84 | |
| | Mullaghmore ... | | | | | | | | | | | | | | | | | | | |
| | Belmullet ... | 29.73 | 57 | SW | 3 | 0 | 29.70 | - 26 | 58 | 57 | + 8 | SW | 4 | 0 | # | om | 58 | 48 | 0.23 | |
| | Donaghadee ... | 29.84 | 52 | S | 6 | τ | 29.66 | - 43 | 59 | 59 | + 13 | SSW | 5 | 0 | 3 | τ | 59 | 45 | 0.18 | |
| | Liverpool (Bidston) | 30.01 | 51 | SSE | 3 | τ | 29.73 | - 41 | 61 | 58 | + 12 | SSW | 4 | 0 | 2 | τ | 61 | 49 | 0.05 | |
| | Holyhead ... | 29.94 | 52 | SSW | 6 | τm | 29.76 | - 37 | 58 | 58 | + 7 | SW | 4 | ogm | 4 | ogm | 59 | 51 | 0.24 | |
| | Parsonstown ... | 29.84 | 56 | SE | 1 | τ | 29.77 | - 31 | 59 | 58 | + 14 | SW | 1 | OT | # | OT | 60 | 44 | 0.19 | |
| | Valencia ... | 29.91 | 60 | SW | 4 | ogm | 29.86 | - 14 | 60 | 60 | + 6 | SW | 5 | ogm | 6 | τgm | 60 | 53 | 0.59 | |
| | Roche's Point | 29.91 | 58 | WSW | 4 | τ | 29.90 | - 21 | 59 | 59 | + 3 | W | 4 | τf | 4 | τf | 59 | 55 | 0.50 | |
| FRANCE AND BELGIUM. | Pembroke (St. Ann's Hd.) | 30.01 | 55 | S | 5 | τ | 29.88 | - 28 | 58 | 58 | + 4 | WSW | 6 | om | 6 | τ | 59 | 53 | 0.28 | |
| | Scilly ... | 30.05 | 56 | S | 5 | m | 30.02 | - 18 | 58 | 58 | + 4 | SW | 5 | m | 4 | om | 59 | 53 | 0.08 | |
| | Prawle Point ... | 30.16 | 54 | S | 3 | c | 30.03 | - 23 | 57 | 57 | + 8 | SW | 4 | τf | 3 | c, d | 58 | 46 | 0.19 | |
| | Jersey (St. Aubin's) | 30.22 | 56 | S | 2 | og | 30.12 | - 14 | 61 | 60 | + 15 | SW | 6 | ogp | 5 | c, ogp | 61 | 45 | 0.01 | |
| | Hurst Castle ... | 30.19 | 56 | SW | 2 | c | 29.99 | - 25 | 60 | 59 | + 17 | WSW | 7 | odm | 4 | c | 60 | 42 | 0.04 | |
| | Dungeness ... | 30.18 | 53 | WSW | 3 | c | 29.91 | - 29 | 59 | 59 | + 13 | WSW | 6 | d | 5 | bc, c | 59 | 46 | 0.03 | |
| | North Foreland | 30.18 | 52 | SW | 2 | 0 | 29.90 | - 31 | 59 | 57 | + 13 | WSW | 5 | ogp | 4 | b, 0 | 59 | 46 | 0.11 | |
| | London ... | 30.17 | 52 | SW | 1 | 0 | 29.91 | - 31 | 60 | 59 | + 18 | WSW | 4 | op | # | bc, op | 60 | 40 | 0.05 | |
| | Oxford ... | 30.11 | 51 | SW | 2 | 0 | 29.89 | - 34 | 60 | 59 | + 19 | SW | 3 | OT | # | bc, 0 | 60 | 44 | 0.05 | |
| | Cambridge ... | 30.14 | 50 | SSW | 1 | 0 | 29.84 | - 36 | 58 | 57 | + 33 | S | 5 | 0 | # | 0 | 58 | 44 | 0.32 | |
| PENINSULA. | Yarmouth ... | 30.13 | 52 | WSW | 3 | bc | 29.80 | - 33 | 56 | 55 | + 10 | SW | 4 | τ | 4 | bc | 56 | 44 | 0.06 | |
| | Cuxhaven ... | 30.07 | 48 | W | 4 | τ | 29.94 | - 05 | 49 | 48 | + 2 | W | 4 | 0 | # | τ | 52 | 47 | 0.28 | |
| | Berlin ... | 30.10 | 48 | W | 3 | b | 30.05 | - 05 | 46 | 45 | 0 | WSW | 3 | 0 | # | b | 54 | 45 | - | |
| | Wiesbaden ... | | | | | | 30.18 | - 05 | 45 | 44 | + 1 | SW | 1 | 0 | # | # | 52 | 43 | - | |
| | Munich ... | 30.29 | 47 | 2 | 0 | b | 30.24 | + 01 | 46 | 44 | 0 | SW | 3 | 0 | # | b | 50 | 39 | 0.94 | |
| | The Helder ... | 30.16 | 53 | W | 4 | c | 29.89 | - 23 | 55 | 54 | + 2 | SW | 6 | 0 | 3 | c | 55 | 52 | 0.04 | |
| | Brussels (9 a.m.) | | | | | | 30.04 | - 19 | 52 | 48 | + 7 | SSW | 5 | 0 | # | bc | 56 | 44 | - | |
| | Cape Gris Nez | 30.16 | 53 | τ | 4 | c | 29.95 | - 21 | 57 | 56 | + 6 | W | 5 | τ | 5 | c | ? | 48 | - | |
| | Paris ... | 30.26 | 49 | E | 1 | b | 30.19 | - 09 | 47 | 46 | + 10 | SSW | 2 | bc | # | b | 61 | 37 | - | |
| | Brest ... | ? | 58 | SSW | 3 | 0 | ? | ? | 57 | 57 | + 8 | W | 4 | f | 4 | 0 | 59 | 49 | 0.04 | |
| PENINSULA. | Lorient ... | 30.25 | 55 | SSW | 3 | c | 30.19 | - 07 | 60 | 59 | + 11 | SW | 4 | c | 4 | c | 61 | 49 | - | |
| | Rochefort ... | ? | 58 | WNW | 2 | c | ? | ? | 56 | 55 | 0 | SW | 1 | c | # | m, c | 63 | 54 | - | |
| | Belfort ... | | | | | | | | | | | | | | | | | | | |
| | Lyons ... | 30.25 | 59 | N | 1 | b | 30.29 | + 05 | 52 | 51 | - 2 | N | 1 | 0 | # | b | 68 | 50 | - | |
| | Nice ... | 30.10 | 59 | 2 | 0 | b | 30.14 | + 04 | 56 | 54 | + 1 | E | 1 | bc | 1 | b | 66 | 54 | - | |
| | Perpignan ... | 30.23 | 64 | N | 2 | bc | 30.25 | + 03 | 54 | 53 | - 7 | SW | 1 | 0 | # | bc | 76 | 51 | - | |
| | Biarritz ... | 30.25 | 63 | NE | 3 | c | 30.25 | + 02 | 57 | 54 | - 3 | ESE | 2 | 0 | 1 | c | 68 | 54 | - | |
| | Corunna ... | | | | | | | | | | | | | | | | | | | |
| | Lisbon ... | 30.20 | 64 | N | 4 | b | 30.22 | 00 | 62 | 58 | 0 | NE | 4 | b | # | b | 73 | 59 | - | |

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, 14th Oct^r 1893.

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

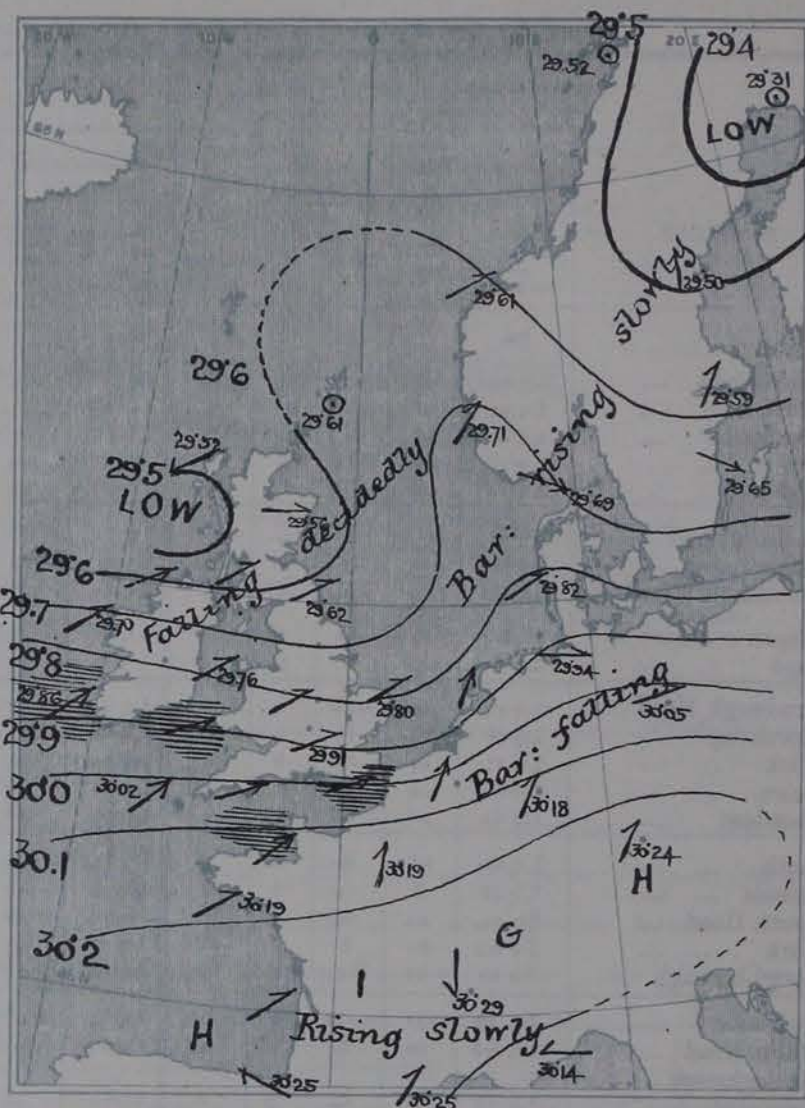
at 8.0 a.m. for the month of October

During the 20 Years 1871—1890.

STATIONS.

MEAN READINGS.

| | in. |
|---------------|--------|
| Sumburgh Head | 29.726 |
| Stornoway | 29.750 |
| Wick | 29.763 |
| Nairn | 29.770 |
| Aberdeen | 29.793 |
| Leith | 29.822 |
| Shields | 29.846 |
| Spurn Head | 29.867 |
| York | 29.882 |
| Loughborough | 29.904 |
| Ardrossan | 29.931 |
| Mullaghmore | 29.945 |
| Donaghadee | 29.950 |
| Holyhead | 29.972 |
| Liverpool | 29.979 |
| Parsonstown | 29.987 |
| Valencia | 29.990 |
| Roche's Point | 29.992 |
| Pembroke | 29.998 |
| Scilly | 29.999 |
| Prawle Point | 29.999 |
| Jersey | 29.999 |
| Hurst Castle | 29.999 |
| Dover | 29.999 |
| LONDON | 29.999 |
| Oxford | 29.999 |
| 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.

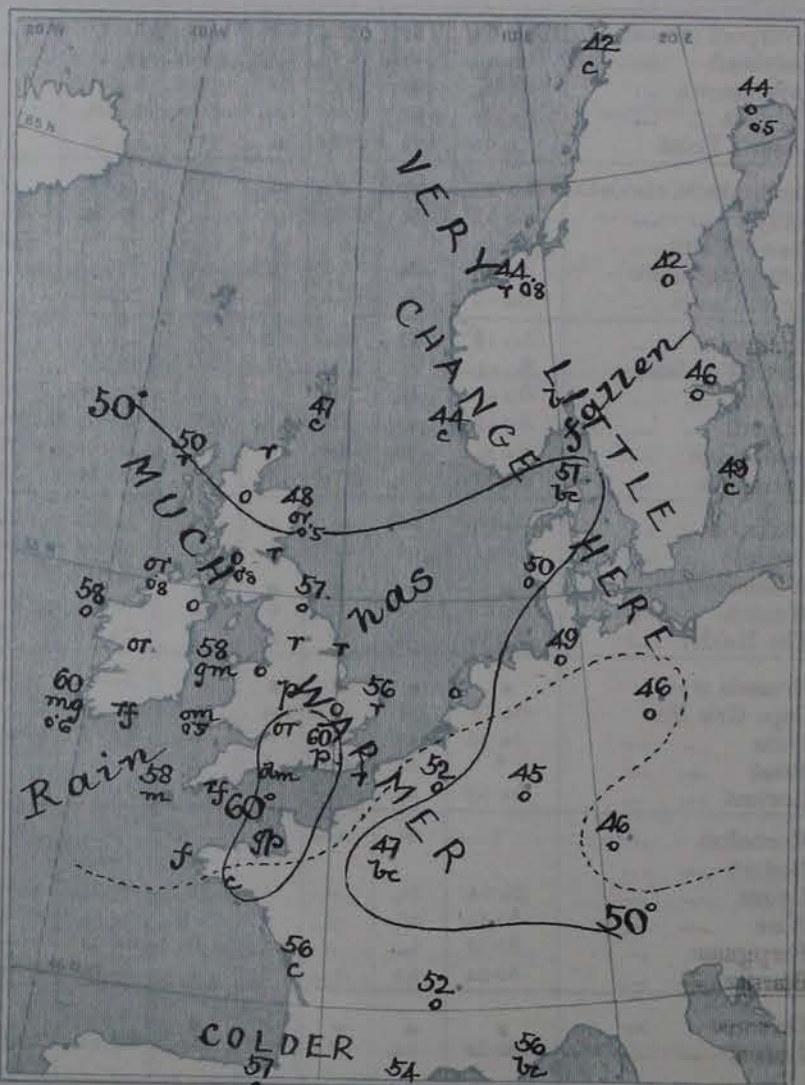
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE AND RAINFALL.

(For the month of October.)

| STATIONS. | TEMPERATURE. | | | | RAINFALL (Inches.) |
|---------------|---------------|---------------|------------------|------|-----------------------|
| | Daily Max. | Daily Min. | Dry at 8 a.m. | Wet | |
| Sumburgh Head | 49.8 | 41.6 | 46.0 | 44.3 | 4.27 |
| Stornoway | 51.0 | 40.5 | 45.6 | 44.5 | 5.04 |
| Wick | 51.7 | 40.5 | 46.3 | 44.6 | 3.02 |
| Nairn | 51.9 | 40.8 | 44.8 | 42.9 | 2.38 |
| Aberdeen | 52.5 | 41.4 | 45.6 | 43.6 | 2.87 |
| Leith | 54.7 | 41.8 | 46.7 | 44.9 | 1.97 |
| Shields | 53.2 | 42.7 | 47.2 | 45.4 | 2.48 |
| Spurn Head | 53.3 | 45.7 | 48.8 | 47.3 | 2.27 |
| York | 54.5 | 41.4 | 45.9 | 44.5 | 2.60 |
| Loughborough | 55.7 | 41.1 | 45.9 | 44.6 | 2.80 |
| Ardrossan | 53.7 | 43.7 | 47.8 | 45.8 | 3.87 |
| Mullaghmore | 54.2 | 45.7 | 49.1 | 46.9 | 4.75 |
| Donaghadee | 53.6 | 43.6 | 47.8 | 46.6 | 3.14 |
| Holyhead | 54.7 | 47.3 | 50.3 | 48.3 | 4.31 |
| Liverpool | 53.8 | 44.7 | 47.8 | 45.8 | 3.46 |
| Parsonstown | 54.8 | 41.0 | 46.2 | 44.5 | 3.16 |
| Valencia | 56.6 | 46.8 | 51.4 | 49.2 | 5.88 |
| Roche's Point | 56.0 | 46.1 | 50.2 | 48.3 | 4.09 |
| Pembroke | 54.9 | 48.0 | 51.2 | 49.2 | 3.96 |
| Scilly | 56.6 | 50.2 | 53.7 | 51.6 | 3.70 |
| Prawle Point | 56.7 | 46.2 | 51.2 | 49.0 | 3.60 |
| Jersey | 58.2 | 48.6 | 53.3 | 50.7 | 4.45 |
| Hurst Castle | 57.1 | 45.8 | 50.8 | 49.2 | 3.26 |
| Dover | 56.1 | 46.2 | 50.2 | 48.2 | 3.22 |
| LONDON | 56.7 | 42.7 | 47.5 | 45.8 | 2.57 |
| Oxford | 55.5 | 42.2 | 46.2 | 44.3 | 2.56 |
| Cambridge | 56.5 | 41.0 | 46.4 | 45.3 | 2.27 |
| Yarmouth | 54.3 | 44.0 | 49.0 | 47.6 | 2.92 |

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 south Germany and the greater part of France.
Lowest 29.4 ins. and less in the north of Sweden; 29.5 ins. and less in a small depression over the W. of Scotland.

Gradients moderate or slight. Barometer falling in the northern parts of Great Britain and also in Denmark and Germany; steady or inclined to rise in the south of our Islands.

Highest 61° at Liverpool and Jersey, and 60° at Valencin (Ireland), Hurst Castle, London, Oxford & Lowest.

TEMPERATURE

Lowest (1) 42° at Bodø and Hernisand, 44° at Haparanda, Christiansund and Skudenes, (2) 45° at Wiesbaden, (3) 46° at Mainz.

A considerable rise has taken place over Ireland, England and the north of France, and a less decided rise in most other localities.

WIND

Moderate to strong from the SW² over Ireland, England, Denmark, Germany & the Netherlands.
Calm or light and variable in the north of Scotland; SW² or W² at most of the Scandinavian stations; variable in the south of France.

WEATHER

Dull over western Europe generally, with rain in most parts of the United Kingdom, as well as at Christiansund.

In the course of the past 24 hours rain has fallen in nearly all parts of our Islands, the largest amounts being 0.8 in. at Ardrossan and Malin Hd., 0.6 in. at Valencin (Ireland) and 0.5 in. at Aberdeen. Solar halos were seen yesterday at Jersey and Hurst Castle.

SEA

Rough on our south west coasts and rather rough at the Channel stations, but slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression off the west of Scotland is spreading eastwards. There are at present no signs of the advance of any new disturbance, but the weather is likely to remain in an unsettled condition generally.

FORECASTS

For the 24 hours ending at NOON on 15TH OCTOBER. 1893.

DISTRICTS.

FORECASTS.

DISTRICTS.

FORECASTS.

0 SCOTLAND

NORTH

Light variable breezes,
unsettled, rain at times.

1 SCOTLAND

EAST

2 ENGLAND

N.E.

3 ENGLAND

EAST

SW² winds, moderate, cloudy
showery.

4 MIDLAND

COUNTIES

5 ENGLAND

SOUTH

SW² and W² winds, moderate inland
strong on coasts; gusty, showery.

6 SCOTLAND

WEST

Same as Nos 2 to 4.

7 ENGLAND

N.W.

8 ENGLAND

S.W.

SW² winds, fresh, changeable,
some rain.

9 IRELAND

NORTH

10 IRELAND

SOUTH

WARNINGS

At 10.20 am to districts 7, 9, 10 and
part of 8 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. | | | | |
| Skudesnaes ... | 29.74 | 52. | 48 | HW | 6 | c | 5 | Valencia ... | 29.88 | 58 | 58 | S | 5 | sm | 5 |
| Sumburgh Head ... | 29.81 | 48 | 45 | HW | 3 | c | 5 | Scilly ... | 30.13 | 57 | 54 | S | 5 | a | 2 |
| Stornoway ... | 29.90 | 48 | 46 | Z | 0 | 0 | 2 | Jersey ... | 30.26 | 59 | 54 | SSW | 3 | c | 3 |
| Aberdeen ... | 29.96 | 50 | 44 | W | 1 | c | 2 | Hurst Castle ... | 30.22 | 50 | 50 | WSW | 2 | c | 2 |
| Shields ... | 30.04 | 54 | 48 | WSW | 3 | bc | 2 | Dungeness ... | 30.20 | 57 | 50 | WSW | 3 | bc | 2 |
| Ardrossan ... | 29.97 | 53 | 52 | SSW | 3 | 0 | 3 | North Foreland ... | 30.21 | 54 | 49 | W | 2 | c | 2 |
| Malin Head ... | 29.84 | 47 | 47 | SSE | 4 | 0 | 2 | London (Westminster) ... | 30.20 | 58 | 50 | SW | 2 | bc | 3* |
| Mullaghmore ... | | | | | | | | Yarmouth ... | 30.15 | 55 | 49 | W | 4 | bc | 3* |
| Belmullet ... | 29.75 | 55 | 54 | S | 0 | 0 | 2 | Rochefort ... | 30.16 | 58 | 67 | N | 3 | m | * |
| Holyhead ... | 30.05 | 55 | 50 | SW | 5 | 0 | 4 | | | | | | | | |

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

Weather in morning continuing fine and bright over southeastern, southern and southwestern Europe, and temporarily clear and bright over the greater part of France and England; cloudy or overcast elsewhere, rainy over Finland, the southwest of Norway, the Hebrides, and some parts of Ireland. Rain spreading over the whole of our Islands later, from the westward, some falls occurring locally at several Continental stations. Falls heavy at Ardrossan, and considerable at Valencia, Loughborough and Haparanda.

Temperature fallen fast over England and France, risen in Ireland. Morning readings exceeding 70° at a few extreme southern stations of Europe, and at Algiers, and exceeding 60° at most of the Mediterranean stations; exceeding 50° in the extreme west and southwest of the British Islands, over Austria, Poland and the Baltic Provinces. Lowest (1) 34° at Archangel, 38° at Hernösand; (2) 39° at Kharkov, 46° at Kiev; (3) 37° at Paris, 41° at Le Mans and Bayard, 42° in London, 43° at Hurst Castle. Rising decidedly over England and France during day and touching 58° in London in the afternoon; exceeding 60° over the south of France, and touching 76° at Perpignan.

Wind still light and very variable over the southern and eastern countries, moderate to strong, and cyclonic in the north. (1) NW² in Scotland, W² over the North Sea, Baltic, and north Germany, S² over Finland, SE² to E² over Lapland; (2) SW² over the Irish Sea, S² to SE² (fresh and increasing) over Ireland. Blowing strongly from the S⁴ on our western coasts later, and backing towards that quarter over the Kingdom generally, with the English Channel, and north of France.

Barometer Highest 30.2 ins. and more to 30.0 ins. over France, Germany, England and Ireland and 30.1 ins. to 29.9 ins. over Russia. Lowest 29.5 ins. and less in a large depression over the northern half of Scandinavia, and below 30.0 ins. off the west of Ireland. Falling fast at the Irish stations later and fall spreading eastwards and southwards as a new depression approached Ireland from the westward.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

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 15th OCTOBER, 1893

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. | | Sea (0 to 9). | Weather. | SHADE TEMP. | | Amount of Rainfall. | | | |
| | | Reading at 32° F. and Sea Level. | Dry Bulb. | Dew. | 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 ... | 29.47 | 38 | W | 4 | 0 | 29.64 | + .33 | 33 | ? | — | 11 | ENE | 4 | 0 | † | 0 | 45 | 33 | 0.35 | |
| | Hernösand ... | 29.53 | 42 | W | 2 | 0 | 29.64 | + .12 | 37 | ? | — | 5 | NNW | 2 | 0 | † | 0 | 48 | 39 | — | |
| | Stockholm ... | 29.58 | 44 | W | 0 | 0 | 29.60 | + .01 | 41 | ? | — | 5 | N | 2 | 0 | † | 0 | 50 | 41 | — | |
| | Wisby ... | 29.62 | 45 | W | 4 | 0 | 29.61 | + .04 | 46 | ? | — | 4 | WSW | 4 | 0 | † | 0 | 50 | 43 | — | |
| | Bodö ... | 29.64 | 37 | E | 4 | 0 | 29.71 | + .19 | 38 | 36 | — | 4 | E | 4 | 0 | † | 0 | 43 | 36 | — | |
| | Christiansund... | 29.63 | 44 | SW | 3 | 0 | 29.71 | + .10 | 43 | 41 | — | 1 | SSW | 2 | 0 | † | 0 | 46 | 43 | 0.35 | |
| | Skudesnaes ... | 29.65 | 48 | W | 0 | 0 | 29.73 | + .02 | 45 | 44 | + | 1 | N | 2 | 0 | † | 0 | 50 | 41 | — | |
| | Christiania Fjord (Færd) | 29.58 | 49 | W | 0 | 0 | 29.68 | + .01 | 43 | 41 | — | 4 | NNW | 2 | 0 | † | 0 | 52 | 46 | — | |
| | Skagen (The Scaw) | 29.60 | 50 | WNW | 2 | 0 | 29.64 | + .05 | 51 | 47 | 0 | 0 | NNE | 1 | 0 | † | 0 | 52 | 43 | 0.04 | |
| | Fanö ... | 29.58 | 53 | WNW | 4 | 0 | 29.68 | + .14 | 53 | 52 | + | 3 | WNW | 2 | 0 | † | 0 | 54 | 50 | 0.35 | |
| BRITISH ISLANDS. | Sumburgh Head | 29.62 | 42 | NNW | 1 | 0 | 29.63 | + .02 | 45 | 42 | — | 2 | NE | 1 | 0 | † | 0 | 50 | 38 | — | |
| | Stornoway ... | 29.57 | 52 | NE | 2 | 0 | 29.50 | + .02 | 53 | 53 | + | 3 | SW | 2 | 0 | † | 0 | 54 | 48 | 0.12 | |
| | Wick ... | 29.61 | 49 | E | 2 | 0 | 29.56 | + .01 | 52 | 52 | + | 3 | SE | 4 | 0 | † | 0 | 51 | 48 | 0.20 | |
| | Nairn ... | 29.59 | 49 | W | 0 | 0 | 29.55 | + .00 | 49 | 49 | + | 3 | W | 0 | 0 | † | 0 | 50 | 44 | 0.40 | |
| | Aberdeen ... | 29.62 | 51 | E | 1 | 0 | 29.60 | + .04 | 53 | 53 | + | 5 | S | 1 | 0 | † | 0 | 55 | 48 | 0.26 | |
| | Leith ... | 29.63 | 58 | W | 4 | 0 | 29.62 | + .06 | 60 | 58 | + | 5 | SW | 3 | 0 | † | 0 | 61 | 54 | 0.33 | |
| | Shields ... | 29.68 | 61 | WSW | 3 | 0 | 29.70 | + .08 | 61 | 59 | + | 4 | W | 2 | 0 | † | 0 | 64 | 51 | 0.25 | |
| | Spurn Head ... | 29.76 | 58 | WSW | 3 | 0 | 29.78 | + .06 | 58 | 56 | + | 3 | WSW | 4 | 0 | † | 0 | 60 | 54 | 0.14 | |
| | York ... | 29.77 | 60 | SSW | 1 | 0 | 29.80 | + .10 | 60 | 58 | + | 4 | SW | 1 | 0 | † | 0 | 63 | 54 | 0.16 | |
| | Loughborough | 29.85 | 62 | SW | 4 | 0 | 29.87 | + .07 | 60 | 57 | + | 1 | WSW | 5 | 0 | † | 0 | 66 | 58 | 0.05 | |
| GERMANY & HOLLAND. | Ardrossan ... | 29.68 | 58 | WSW | 2 | 0 | 29.65 | + .08 | 56 | 56 | — | 1 | SSW | 5 | 0 | † | 0 | 59 | 55 | 0.14 | |
| | Malin Head ... | 29.65 | 57 | W | 4 | 0 | 29.60 | + .01 | 58 | 58 | + | 2 | SW | 4 | 0 | † | 0 | 58 | 56 | 0.23 | |
| | Mullaghmore ... | 29.71 | 57 | SW | 3 | 0 | 29.65 | + .05 | 58 | 58 | 0 | 0 | SW | 3 | 0 | † | 0 | 58 | 57 | 0.17 | |
| | Belmullet ... | 29.72 | 61 | SSW | 3 | 0 | 29.72 | + .06 | 60 | 59 | + | 1 | SSW | 3 | 0 | † | 0 | 64 | 59 | 0.13 | |
| | Liverpool (Bldston) | 29.81 | 60 | SW | 2 | 0 | 29.82 | + .09 | 60 | 57 | — | 1 | SW | 4 | 0 | † | 0 | 65 | 58 | 0.17 | |
| | Holyhead ... | 29.80 | 59 | SW | 3 | 0 | 29.82 | + .06 | 58 | 58 | 0 | 0 | SW | 4 | 0 | † | 0 | 62 | 57 | 0.33 | |
| | Parsonstown ... | 29.80 | 60 | SW | 1 | 0 | 29.77 | + .00 | 60 | 59 | + | 1 | SW | 1 | 0 | † | 0 | 62 | 58 | 0.15 | |
| | Valencia ... | 29.87 | 59 | SSW | 5 | 0 | 29.82 | + .04 | 59 | 59 | — | 1 | S | 5 | 0 | † | 0 | 61 | 57 | 0.19 | |
| | Roche's Point | 29.92 | 58 | W | 5 | 0 | 29.87 | + .03 | 59 | 59 | 0 | 0 | WSW | 5 | 0 | † | 0 | 60 | 58 | 0.15 | |
| | Pembroke (St. Ann's Hd.) | 29.92 | 58 | WSW | 6 | 0 | 29.93 | + .05 | 58 | 58 | + | 0 | WSW | 5 | 0 | † | 0 | 59 | 57 | 0.13 | |
| FRANCE AND BELGIUM. | Scilly ... | 30.04 | 58 | WSW | 4 | 0 | 30.02 | + .00 | 59 | 59 | + | 1 | SSW | 5 | 0 | † | 0 | 60 | 57 | 0.01 | |
| | Prawle Point ... | 30.06 | 56 | SW | 4 | 0 | 30.06 | + .03 | 57 | 57 | 0 | 0 | SW | 4 | 0 | † | 0 | 57 | 56 | 0.09 | |
| | Jersey (St. Aubin's) | 30.11 | 61 | W | 5 | 0 | 30.14 | + .02 | 61 | 59 | 0 | 0 | WSW | 3 | 0 | † | 0 | 63 | 59 | 0.04 | |
| | Hurst Castle ... | 29.99 | 59 | WSW | 6 | 0 | 30.04 | + .05 | 60 | 58 | 0 | 0 | WSW | 5 | 0 | † | 0 | 62 | 57 | 0.06 | |
| | Dungeness ... | 29.92 | 60 | W | 6 | 0 | 29.98 | + .07 | 60 | 59 | + | 1 | W | 6 | 0 | † | 0 | 60 | 58 | 0.04 | |
| | North Foreland | 29.90 | 62 | W | 5 | 0 | 29.96 | + .06 | 60 | 58 | + | 1 | W | 5 | 0 | † | 0 | 65 | 56 | 0.08 | |
| | London ... | 29.93 | 63 | SW | 3 | 0 | 29.98 | + .07 | 60 | 58 | 0 | 0 | SW | 3 | 0 | † | 0 | 64 | 58 | 0.25 | |
| | Oxford ... | 29.94 | 60 | WSW | 6 | 0 | 29.95 | + .06 | 60 | 58 | 0 | 0 | SW | 3 | 0 | † | 0 | 61 | 58 | 0.05 | |
| | Cambridge ... | 29.87 | 62 | SSW | 6 | 0 | 29.91 | + .07 | 60 | 58 | + | 2 | SSW | 5 | 0 | † | 0 | 67 | 56 | 0.05 | |
| | Yarmouth ... | 29.80 | 62 | W | 5 | 0 | 29.83 | + .03 | 60 | 58 | + | 4 | W | 5 | 0 | † | 0 | 64 | 55 | 0.06 | |
| PENINSULA. | Cuxhaven ... | 29.66 | 50 | SW | 3 | 0 | 29.76 | + .18 | 56 | 55 | + | 7 | W | 3 | 0 | † | 0 | 58 | 49 | 0.40 | |
| | Berlin ... | 29.73 | 48 | SW | 2 | 0 | 29.75 | + .20 | 54 | 53 | + | 8 | W | 3 | 0 | † | 0 | 54 | 46 | 0.32 | |
| | Wiesbaden ... | 30.08 | 52 | W | 6 | 0 | 29.97 | + .21 | 58 | 57 | + | 13 | W | 0 | 0 | † | 0 | 58 | 45 | 0.28 | |
| | Munich ... | 30.08 | 52 | W | 6 | 0 | 30.08 | + .16 | 53 | 53 | + | 7 | SW | 6 | 0 | † | 0 | 57 | 46 | 0.16 | |
| | The Helder ... | 29.80 | 59 | W | 5 | 0 | 29.85 | + .04 | 59 | 58 | + | 4 | WSW | 4 | 0 | † | 0 | 59 | 55 | 0.67 | |
| | Brussels (9 a.m.) | 30.01 | 60 | W | 6 | 0 | 30.01 | + .03 | 58 | 57 | + | 6 | WSW | 4 | 0 | † | 0 | 60 | 50 | 0.16 | |
| | Cape Gris Nez | 29.91 | 60 | W | 6 | 0 | 29.95 | + .00 | 59 | 58 | + | 2 | W | 6 | 0 | † | 0 | 60 | 48 | 0.16 | |
| | Paris ... | 30.13 | 59 | SSW | 3 | 0 | 30.15 | + .04 | 57 | 56 | + | 10 | SSW | 2 | 0 | † | 0 | 60 | 47 | 0.04 | |
| | Brest ... | 30.19 | 59 | SW | 3 | 0 | 30.17 | + .02 | 59 | 59 | + | 2 | W | 3 | 0 | † | 0 | 61 | 57 | — | |
| | Lorient ... | 30.19 | 60 | WSW | 4 | 0 | 30.17 | + .02 | 59 | 57 | — | 1 | WSW | 3 | 0 | † | 0 | 64 | 57 | — | |
| FRANCE AND BELGIUM. | Rochefort ... | 30.21 | 63 | WSW | 3 | 0 | 30.16 | + .05 | 57 | 55 | + | 1 | S | 3 | 0 | † | 0 | 68 | 54 | — | |
| | Belfort ... | 30.25 | 59 | NE | 1 | 0 | 30.25 | + .04 | 55 | 53 | + | 3 | NNW | 1 | 0 | † | 0 | 66 | 52 | — | |
| | Lyons ... | 30.12 | 60 | SW | 1 | 0 | 30.04 | + .10 | 57 | 55 | + | 1 | E | 1 | 0 | † | 0 | 68 | 54 | — | |
| | Nice ... | 30.21 | 59 | W | 0 | 0 | 30.15 | + .10 | 57 | 50 | + | 3 | NNW | 2 | 0 | † | 0 | 79 | 54 | — | |
| | Perpignan ... | 30.23 | 62 | NE | 2 | 0 | 30.17 | + .08 | 52 | 50 | — | 5 | ESE | 3 | 0 | † | 0 | 70 | 50 | — | |
| | Biarritz ... | 30.23 | 62 | NE | 2 | 0 | 30.17 | + .08 | 52 | 50 | — | 5 | ESE | 3 | 0 | † | 0 | 70 | 50 | — | |
| PENINSULA. | Corunna ... | 30.19 | 68 | NNW | 4 | 0 | 30.21 | + .01 | 62 | 59 | 0 | 0 | NE | 4 | 0 | † | 0 | 75 | 59 | — | |
| | Lisbon ... | 30.19 | 68 | NNW | 4 | 0 | 30.21 | + .01 | 62 | 59 | 0 | 0 | NE | 4 | 0 | † | 0 | 75 | 59 | — | |

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, 15th Oct. 1893.

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:

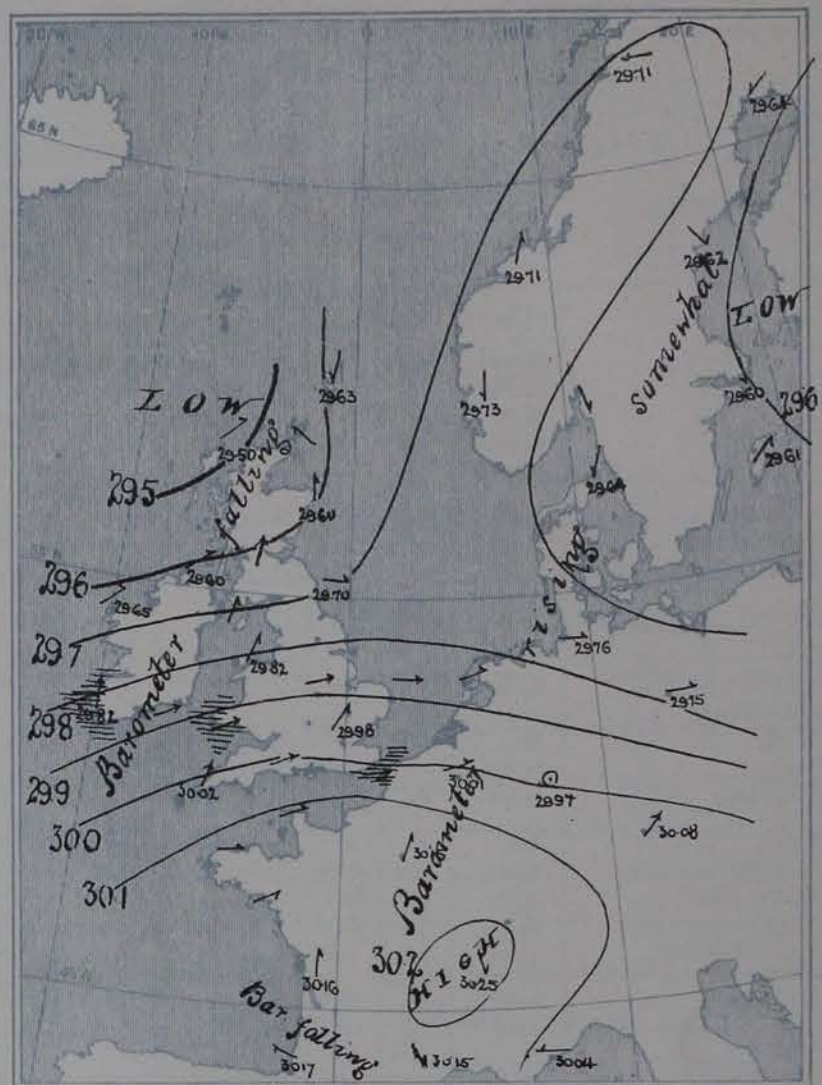
— = Rough. — = High.

MEAN HEIGHT OF THE BAROMETER

at 8.0 a.m. for the month of October

During the 20 Years 1871—1890.

| STATIONS. | MEAN READINGS. |
|---------------|----------------|
| Sumburgh Head | 29.726 |
| Stornoway | 29.756 |
| Wick | 29.763 |
| Nairn | 29.770 |
| Aberdeen | 29.793 |
| Leith | 29.822 |
| Shields | 29.846 |
| Spurn Head | 29.867 |
| York | 29.882 |
| Loughborough | 29.904 |
| Ardrossan | 29.831 |
| Mullaghmore | 29.845 |
| Donaghadee | 29.850 |
| Holyhead | 29.872 |
| Liverpool | 29.879 |
| Parsonstown | 29.897 |
| Valencia | 29.896 |
| Roche's Point | 29.892 |
| Pembroke | 29.888 |
| Scilly | 29.910 |
| Prawle Point | 29.931 |
| Jersey | 29.925 |
| Hurst Castle | 29.922 |
| Dover | 29.916 |
| LONDON | 29.923 |
| Oxford | 29.924 |
| Cambridge | 29.912 |
| Yarmouth | 29.894 |



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.

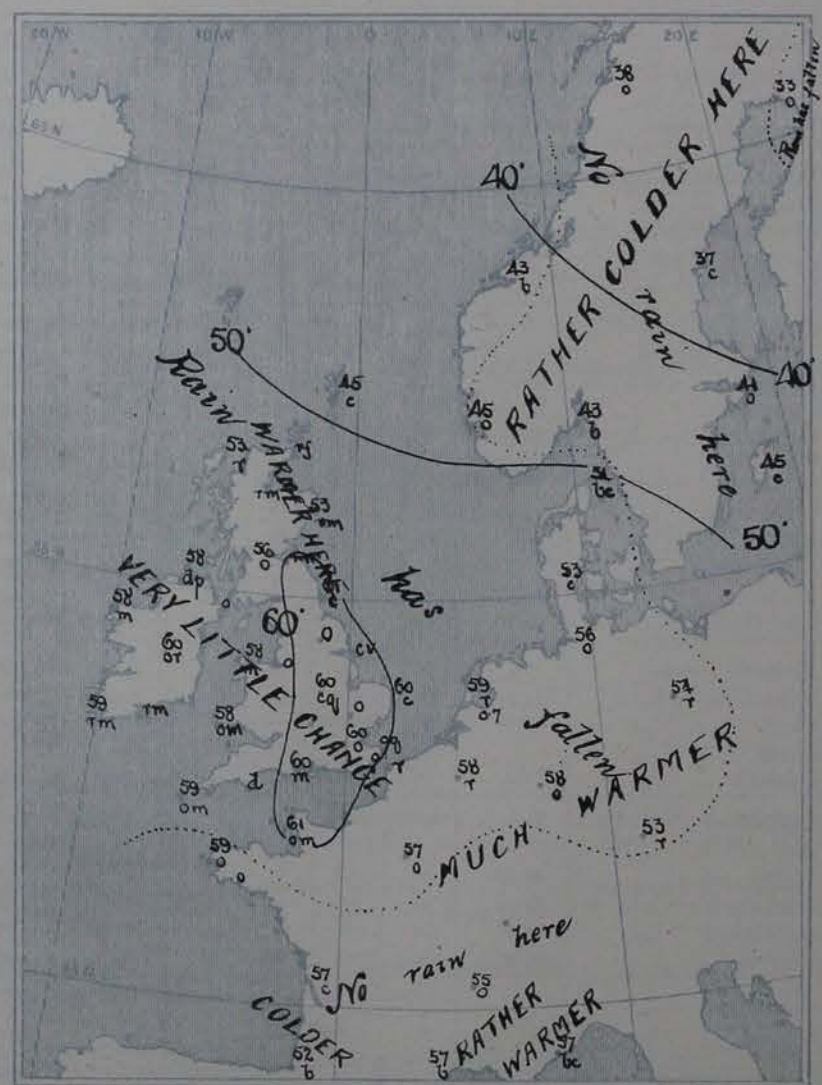
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of October.)

| STATIONS. | TEMPERATURE. | | | | RAINFALL (Inches.) |
|---------------|---------------|---------------|-----------|------|-----------------------|
| | Daily Max. | Daily Min. | at 8 a.m. | | |
| | | | Dry. | Wet. | |
| Sumburgh Head | 49.8 | 41.6 | 46.0 | 44.3 | 4.27 |
| Stornoway | 51.0 | 40.5 | 45.6 | 44.5 | 3.04 |
| Wick | 51.7 | 40.5 | 46.3 | 44.0 | 3.02 |
| Nairn | 51.9 | 40.8 | 44.8 | 42.9 | 2.38 |
| Aberdeen | 52.5 | 41.4 | 45.6 | 43.6 | 2.87 |
| Leith | 54.7 | 41.8 | 46.7 | 44.0 | 1.97 |
| Shields | 53.2 | 42.7 | 47.2 | 45.4 | 2.48 |
| Spurn Head | 53.3 | 45.7 | 48.8 | 47.3 | 2.27 |
| York | 54.5 | 41.4 | 45.9 | 44.5 | 2.00 |
| Loughborough | 55.7 | 41.1 | 45.9 | 44.6 | 2.80 |
| Ardrossan | 53.7 | 43.7 | 47.8 | 45.8 | 3.87 |
| Mullaghmore | 54.2 | 45.7 | 49.1 | 46.9 | 1.75 |
| Donaghadee | 53.6 | 43.6 | 47.8 | 46.6 | 3.14 |
| Holyhead | 54.7 | 47.3 | 50.3 | 48.3 | 1.31 |
| Liverpool | 53.8 | 44.7 | 47.8 | 45.8 | 3.46 |
| Parsonstown | 54.8 | 41.0 | 46.2 | 44.5 | 3.16 |
| Valencia | 56.6 | 46.8 | 51.4 | 49.2 | 5.88 |
| Roche's Point | 56.0 | 46.1 | 50.2 | 48.3 | 4.09 |
| Pembroke | 54.9 | 48.0 | 51.2 | 49.2 | 3.96 |
| Scilly | 56.6 | 50.2 | 53.7 | 51.6 | 3.70 |
| Prawle Point | 56.7 | 46.2 | 51.2 | 49.6 | 3.60 |
| Jersey | 58.2 | 48.0 | 53.3 | 50.7 | 4.45 |
| Hurst Castle | 57.1 | 45.8 | 50.8 | 49.2 | 3.26 |
| Dover | 56.1 | 46.2 | 50.2 | 48.2 | 3.22 |
| LONDON | 56.7 | 42.7 | 47.5 | 45.9 | 2.57 |
| Oxford | 55.5 | 42.2 | 46.2 | 44.9 | 2.56 |
| Cambridge | 56.5 | 41.0 | 46.4 | 45.3 | 2.27 |
| Yarmouth | 54.3 | 44.6 | 49.0 | 47.6 | 2.02 |

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. to 30.25 ins. in an anticyclone lying over the Bay of Biscay, France, and the Spanish Peninsula.
 Lowest, 29.5 ins. and less, in a depression off the northwest of Scotland.
 Gradients moderate over the southern parts of our Islands, but slight elsewhere.
 Barometer falling slightly in Ireland and Scotland and also in the south of France, but rising elsewhere.

TEMPERATURE

Highest, (1) 62° at Lisbon; (2) 61° at Shields and Jersey, and 60° in several stations in England and Ireland.
 Lowest, 33° at Haparanda, 37° at Helsingfors, 38° at Bodø, 41° at Stockholm, and 43° at Christiansund and Faeder.
 During yesterday the thermometer rose to 65° or a little more at several of the English stations. The minima registered over England and Ireland last night were very little below 60°.

WIND

Light to fresh from the SW² over the greater part of the United Kingdom, and from the W² over Germany and the Netherlands.
 Light to moderate from the N² over Sweden and the south of Norway; variable or E³ in the south of France.

WEATHER

Dull or misty in nearly all parts of our Islands, with rain in Ireland and Scotland.
 Rain, also over Germany, the Netherlands, but fine at many of the Scandinavian and Danish stations as well as in the south of France.
 Rain fell generally over nearly the whole of the United Kingdom, as well as in Denmark, Germany, and the Netherlands and the north of France.

SEA

Moderate to smooth generally, but rough at Cape Finikis, and rather rough at Valencia (Ireland), Pembroke, and Dungannon.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

For the 24 hours ending at NOON on 16th OCTOBER 1893.

DISTRICTS.

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

FORECASTS.

None issued

DISTRICTS.

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

FORECASTS.

None issued

WARNINGS

At 7.10 pm yesterday to districts 5.8 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. Direc. | F. | WEA. | SEA. | | BAR. | THER. | | WIND. Direc. | F. | WEA. | SEA. |
|-------------------|-------|-------|------|-----------------|----|------|------|--------------------|-------|-------|------|-----------------|----|------|------|
| | | Dry. | Wet. | | | | | | | Dry. | Wet. | | | | |
| Skudesnaes ... | 29.64 | 50 | 47 | SSE | 2 | o | 3 | Valencia ... | 29.90 | 61 | 60 | SW | 4 | ogm | 5 |
| Sumburgh Head ... | 29.61 | 48 | 45 | NE | 1 | c | 2 | Scilly ... | 20.04 | 59 | 59 | WSW | 5 | om | 4 |
| Stornoway ... | 29.54 | 54 | 54 | Z | 0 | o | 2 | Jersey ... | 24.12 | 63 | 61 | WSW | 6 | opd | 5 |
| Aberdeen ... | 29.58 | 54 | 53 | W | 1 | ogr | 3 | Hurst Castle ... | 29.99 | 60 | 59 | WSW | 7 | mpe | 6 |
| Shields ... | 29.64 | 63 | 60 | WSW | 4 | o | 2 | Dungeness ... | 29.89 | 60 | 59 | W | 7 | o | 6 |
| Ardrossan ... | 29.66 | 59 | 58 | WSW | 2 | o | 3 | North Foreland ... | 29.84 | 65 | 62 | W | 5 | o | 4 |
| Malin Head ... | 29.65 | 57 | 56 | W | 4 | o | 2 | London ... | 29.89 | 65 | 62 | WSW | 4 | o | 4 |
| Mullaghmore ... | 29.72 | 58 | 58 | SW | 3 | om | * | Yarmouth ... | 29.75 | 64 | 61 | W | 5 | eq | 4 |
| Belmullet ... | 29.72 | 58 | 58 | SW | 3 | om | * | Rocheport ... | ? | 64 | 60 | WSW | 3 | bc | * |
| Holyhead ... | 29.80 | 61 | 60 | SW | 3 | c | 3 | | | | | | | | |

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

Weather in morning still fine over Spain and the Mediterranean, and also over a great deal of southeastern Europe, but dull in almost all other places, and very rainy over the United Kingdom and north of France, as well as in some parts of the more northern countries. Rain later over the whole of our Islands and neighbouring regions, as well as over Northern Europe and North Germany, but amounts not large anywhere.

Temperature risen rapidly over Ireland, England and France; air close and "muggy". Morning readings highest 70° in Algeria and Malta, 60° or more at most of the Mediterranean stations and in several parts of England and exceeding 50° except over the northern countries. Lowest 42° at Bodo and Hammerfest, 44° at Haparanda, Archangel, and St. Petersburg; and 46° to 49° in the north-west of Scotland. Rising to between 64° and 67° in many parts of England later and touching 68° at Rochefort and Nice, 70° and more over Italy, 79° at Perpignan and Malta, and 95° at Laghouat. Succeeding night very warm over Ireland and England.

Wind still light and variable over the southern and eastern countries, fresh to moderate gale from W. or SW. over Ireland, England, the Netherlands, and Prussia; light and variable in Scotland and over the north of Scandinavia. The SW wind moderating a little on our southern coasts later, but E³ breezes becoming established over the northern parts of Scotland and Norway.

Barometer highest 30.3 ins. and more to 29.9 ins. in an anticyclone stretching from Spain, across France and Germany to Western Russia. Lowest 29.4 ins. and less, at the northern extremity of the Gulf of Bothnia, and about 29.6 ins. to 29.5 ins. in a depression over Scotland and the neighbouring part of the Atlantic. Latter disturbance showing some tendency to fill up 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.

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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, 16th October,

1893

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 ... | 29.84 | 31 | NE | 4 | 0 | 29.97 | + 33 | 24 | 24 | - 9 | NE | 4 | 0 | 6 | 41 | ? | - | | |
| | Hernösand ... | 29.79 | 36 | NNE | 4 | 0 | 29.88 | + 26 | 35 | 33 | - 2 | N | 2 | 0 | 0 | 43 | 34 | - | | |
| | Stockholm ... | 29.76 | 37 | Z | 0 | 0 | 29.82 | + 22 | 38 | 37 | - 3 | N | 2 | 0 | 0 | 50 | 37 | - | | |
| | Wisby ... | 29.75 | 42 | N | 4 | 0 | 29.82 | + 21 | 38 | 37 | - 1 | NNE | 4 | 0 | 0 | 50 | ? | - | | |
| | Bodö ... | 29.82 | 34 | E | 4 | 0 | 29.92 | + 21 | 32 | 28 | - 6 | E | 5 | 0 | 0 | 39 | 30 | - | | |
| | Christiansund... | 29.76 | 42 | N | 2 | 0 | 29.70 | - 01 | 39 | 37 | - 4 | ESE | 1 | 0 | 0 | 48 | 37 | - | | |
| | Skudesnaes ... | 29.71 | 48 | Z | 0 | 0 | 29.60 | - 13 | 49 | 48 | + 4 | SSE | 4 | 0 | 0 | 50 | 46 | - | | |
| | Christiania Fjord (Færd) | 29.74 | 47 | Z | 0 | 0 | 29.73 | + 05 | 45 | 44 | + 2 | ENE | 4 | 0 | 0 | 48 | 43 | - | | |
| | Skagen (The Scaw) | 29.75 | 47 | NE | 1 | 0 | 29.73 | + 09 | 50 | 48 | - 1 | S | 2 | 0 | 0 | 54 | 45 | 0.04 | | |
| | Fanö ... | 29.69 | 52 | ESE | 2 | 0 | 29.68 | - 00 | 55 | 55 | + 2 | N | 4 | 0 | 0 | 57 | 52 | 0.28 | | |
| BRITISH ISLANDS. | Sumburgh Head | 29.54 | 47 | ESE | 3 | 0 | 29.43 | - 20 | 51 | 51 | + 6 | SW | 1 | 0 | 0 | 53 | 43 | 0.32 | | |
| | Stornoway ... | 29.46 | 55 | SW | 2 | 0 | 29.41 | - 09 | 55 | 55 | + 2 | N | 2 | 0 | 0 | 57 | 50 | 0.34 | | |
| | Wick ... | 29.52 | 53 | SE | 3 | 0 | 29.47 | - 09 | 52 | 52 | 0 | S | 2 | 0 | 0 | 54 | 49 | 0.20 | | |
| | Nairn ... | 29.52 | 58 | Z | 0 | 0 | 29.48 | - 07 | 55 | 54 | + 6 | Z | 0 | 0 | 0 | 62 | 47 | 0.17 | | |
| | Aberdeen ... | 29.57 | 59 | SW | 2 | 0 | 29.56 | - 04 | 56 | 53 | + 3 | SSW | 3 | 0 | 0 | 61 | 45 | 0.02 | | |
| | Leith ... | 29.62 | 60 | WSW | 2 | 0 | 29.60 | - 02 | 59 | 56 | - 1 | SW | 4 | 0 | 0 | 64 | 56 | 0.01 | | |
| | Shields ... | 29.68 | 63 | S | 3 | 0 | 29.70 | - 00 | 60 | 58 | - 1 | SSW | 1 | 0 | 0 | 65 | 58 | 0.16 | | |
| | Spurn Head ... | 29.77 | 61 | WSW | 4 | 0 | 29.81 | + 03 | 58 | 56 | 0 | SSW | 0 | 0 | 0 | 62 | 57 | - | | |
| | York ... | 29.78 | 63 | SW | 3 | 0 | 29.79 | - 01 | 59 | 58 | - 1 | SW | 1 | 0 | 0 | 65 | 59 | 0.06 | | |
| | Loughborough | 29.88 | 62 | N | 3 | 0 | 29.89 | + 02 | 58 | 56 | - 2 | WSW | 3 | 0 | 0 | 62 | 57 | - | | |
| GERMANY & HOLLAND. | Ardrossan ... | 29.64 | 56 | WSW | 3 | 0 | 29.64 | - 01 | 56 | 55 | 0 | SW | 3 | 0 | 0 | 56 | 55 | 0.04 | | |
| | Malin Head ... | 29.64 | 56 | SW | 3 | 0 | 29.63 | + 03 | 54 | 52 | - 4 | SW | 6 | 0 | 0 | 58 | 54 | 0.04 | | |
| | Mullaghmore ... | 29.65 | 57 | S | 2 | 0 | 29.79 | + 14 | 56 | 54 | - 2 | SW | 3 | 0 | 0 | 58 | 54 | 0.04 | | |
| | Belmullet ... | 29.69 | 61 | SSW | 3 | 0 | 29.72 | - 00 | 58 | 56 | - 2 | WSW | 4 | 0 | 0 | 63 | 57 | 0.07 | | |
| | Donaghadee ... | 29.79 | 61 | SW | 6 | 0 | 29.83 | + 01 | 60 | 57 | 0 | SW | 3 | 0 | 0 | 65 | 58 | 0.02 | | |
| | Liverpool (Bldston) | 29.80 | 58 | SW | 5 | 0 | 29.80 | - 02 | 58 | 57 | 0 | SW | 4 | 0 | 0 | 60 | 57 | 0.18 | | |
| | Holyhead ... | 29.75 | 60 | S | 1 | 0 | 29.86 | + 09 | 56 | 54 | - 4 | N | 1 | 0 | 0 | 63 | 55 | 0.11 | | |
| | Parsonstown ... | 29.77 | 60 | S | 5 | 0 | 29.93 | + 11 | 56 | 55 | - 3 | SW | 2 | 0 | 0 | 60 | 55 | 0.16 | | |
| | Valencia ... | 29.86 | 58 | WSW | 5 | 0 | 29.95 | + 08 | 56 | 55 | - 3 | WSW | 2 | 0 | 0 | 60 | 55 | 0.15 | | |
| | Roche's Point | 29.90 | 58 | SSW | 5 | 0 | 29.92 | - 01 | 58 | 58 | 0 | WSW | 4 | 0 | 0 | 59 | 57 | 0.03 | | |
| FRANCE AND BELGIUM. | Pembroke (St. Ann's Hd.) | 30.00 | 58 | SSW | 4 | 0 | 30.02 | - 00 | 59 | 59 | 0 | SSW | 4 | 0 | 0 | 62 | 56 | 0.03 | | |
| | Scilly ... | 30.05 | 66 | WSW | 4 | 0 | 30.03 | - 03 | 57 | 57 | 0 | SW | 4 | 0 | 0 | 57 | 56 | 0.07 | | |
| | Prawle Point ... | 30.08 | 60 | WSW | 3 | 0 | 30.12 | - 02 | 61 | 57 | 0 | WSW | 3 | 0 | 0 | 63 | 59 | - | | |
| | Jersey (St. Aubin's) | 30.05 | 59 | WSW | 6 | 0 | 30.03 | - 01 | 60 | 58 | 0 | WSW | 6 | 0 | 0 | 60 | 58 | - | | |
| | Hurst Castle ... | 30.00 | 60 | N | 5 | 0 | 30.00 | + 02 | 60 | 57 | 0 | N | 4 | 0 | 0 | 61 | 59 | 0.01 | | |
| | Dungeness ... | 29.95 | 61 | N | 2 | 0 | 30.00 | + 04 | 59 | 55 | - 1 | N | 3 | 0 | 0 | 65 | 56 | - | | |
| | North Foreland | 29.99 | 60 | WSW | 3 | 0 | 29.98 | - 00 | 60 | 57 | 0 | N | 3 | 0 | 0 | 63 | 56 | - | | |
| | Oxford ... | 29.95 | 59 | WSW | 3 | 0 | 29.96 | + 01 | 58 | 55 | - 2 | SW | 3 | 0 | 0 | 63 | 56 | - | | |
| | Cambridge ... | 29.91 | 61 | SSW | 6 | 0 | 29.94 | + 03 | 58 | 56 | - 2 | SSW | 5 | 0 | 0 | 67 | 56 | - | | |
| | Yarmouth ... | 29.86 | 62 | N | 5 | 0 | 29.89 | + 06 | 58 | 56 | - 2 | WSW | 4 | 0 | 0 | 65 | 55 | - | | |
| PENINSULA. | Cuxhaven ... | 29.79 | 56 | N | 3 | 0 | 29.84 | + 08 | 56 | 55 | 0 | N | 5 | 0 | 0 | 58 | 55 | 0.40 | | |
| | Berlin ... | 29.80 | 57 | N | 2 | 0 | 29.89 | + 05 | 59 | 58 | + 5 | N | 4 | 0 | 0 | 61 | 54 | 0.39 | | |
| | Wiesbaden ... | 30.07 | 59 | SW | 2 | 0 | 30.07 | + 10 | 59 | 56 | + 1 | SW | 2 | 0 | 0 | 63 | 57 | 0.04 | | |
| | Munich ... | 30.15 | 57 | N | 4 | 0 | 30.13 | + 05 | 56 | 53 | + 3 | SW | 2 | 0 | 0 | 57 | 52 | 0.20 | | |
| | The Helder ... | 29.90 | 59 | SW | 5 | 0 | 29.93 | + 08 | 59 | 57 | 0 | SW | 5 | 0 | 0 | 61 | 59 | 0.08 | | |
| | Brussels (9 a.m.) | 30.05 | 55 | SW | 4 | 0 | 30.05 | + 04 | 55 | 55 | - 3 | SW | 4 | 0 | 0 | 62 | 55 | 0.04 | | |
| | Cape Gris Nez | 29.98 | 58 | WSW | 6 | 0 | 29.97 | + 02 | 59 | 57 | 0 | N | 5 | 0 | 0 | 59 | 56 | - | | |
| | Paris ... | 30.15 | 59 | SW | 2 | 0 | 30.16 | + 01 | 56 | 52 | - 1 | SW | 3 | 0 | 0 | 62 | 56 | - | | |
| | Brest ... | 30.13 | 59 | SSW | 3 | 0 | 30.14 | - 03 | 59 | 58 | 0 | WSW | 3 | 0 | 0 | 63 | 55 | - | | |
| | Lorient ... | 30.09 | 62 | Z | 0 | 0 | 30.09 | - 03 | 61 | 59 | + 2 | WSW | 3 | 0 | 0 | 63 | 57 | - | | |
| FRANCE AND BELGIUM. | Rochefort ... | 30.09 | 62 | Z | 0 | 0 | 30.09 | - 03 | 61 | 59 | + 2 | WSW | 3 | 0 | 0 | 63 | 57 | - | | |
| | Belfort ... | 30.06 | 61 | N | 1 | 0 | 30.06 | - 03 | 61 | 59 | + 2 | WSW | 3 | 0 | 0 | 63 | 57 | - | | |
| | Lyons ... | 30.06 | 61 | N | 1 | 0 | 30.06 | - 03 | 61 | 59 | + 2 | WSW | 3 | 0 | 0 | 63 | 57 | - | | |
| | Nice ... | 30.06 | 61 | N | 1 | 0 | 30.06 | - 03 | 61 | 59 | + 2 | WSW | 3 | 0 | 0 | 63 | 57 | - | | |
| | Perpignan ... | 30.06 | 61 | N | 1 | 0 | 30.06 | - 03 | 61 | 59 | + 2 | WSW | 3 | 0 | 0 | 63 | 57 | - | | |
| | Biarritz ... | 30.06 | 61 | N | 1 | 0 | 30.06 | - 03 | 61 | 59 | + 2 | WSW | 3 | 0 | 0 | 63 | 57 | - | | |
| | Corunna ... | 30.15 | 59 | N | 3 | 0 | 30.17 | - 04 | 64 | 60 | + 2 | NNE | 4 | 0 | 0 | 79 | 62 | - | | |
| | Lisbon ... | 30.15 | 59 | N | 3 | 0 | 30.17 | - 04 | 64 | 60 | + 2 | NNE | 4 | 0 | 0 | 79 | 62 | - | | |
| | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |

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, 16th October, 1893.

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

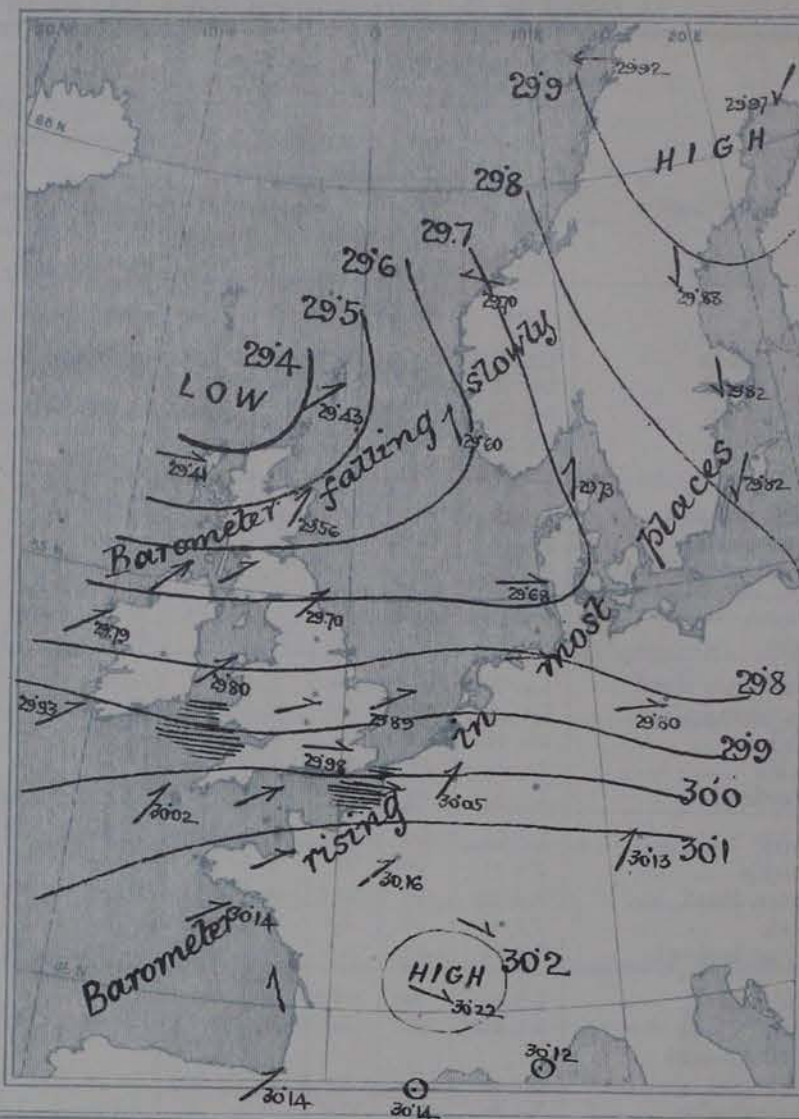
at 8.0 a.m. for the month of October.

During the 20 Years 1871—1890.

STATIONS.

MEAN READINGS.

| STATIONS. | MEAN READINGS. |
|---------------|----------------|
| Sumburgh Head | 29.726 |
| Stornoway | 29.756 |
| Wick | 29.763 |
| Nairn | 29.770 |
| Aberdeen | 29.793 |
| Leith | 29.822 |
| Shields | 29.846 |
| Spurn Head | 29.867 |
| York | 29.882 |
| Loughborough | 29.904 |
| Ardrrossan | 29.831 |
| Mullaghmore | 29.845 |
| Donaghadee | 29.850 |
| Holyhead | 29.872 |
| Liverpool | 29.879 |
| Parsonstown | 29.897 |
| Valencia | 29.896 |
| Roche's Point | 29.892 |
| Pembroke | 29.888 |
| Scilly | 29.910 |
| Prawle Point | 29.931 |
| Jersey | 29.925 |
| Hurst Castle | 29.922 |
| Dover | 29.916 |
| LONDON | 29.923 |
| Oxford | 29.924 |
| Cambridge | 29.912 |
| Yarmouth | 29.894 |



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.

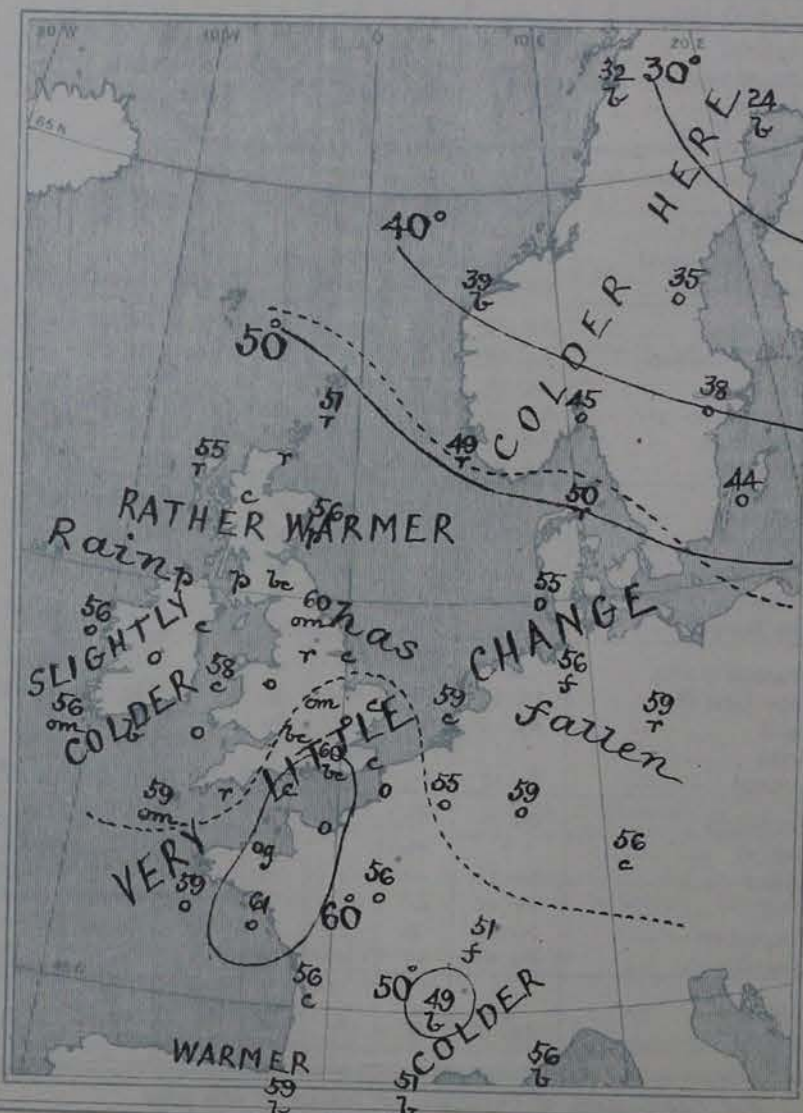
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL

(For the month of October.)

| STATIONS. | TEMPERATURE. | | | | RAINFALL (Inches.) |
|---------------|---------------|---------------|------------------|------------------|-----------------------|
| | Daily Max. | Daily Min. | Dry at 8 a.m. | Wet at 8 a.m. | |
| Sumburgh Head | 49.8 | 41.6 | 46.0 | 44.3 | 4.27 |
| Stornoway | 51.0 | 40.5 | 45.6 | 44.5 | 3.04 |
| Wick | 51.7 | 40.5 | 46.3 | 44.6 | 3.02 |
| Nairn | 51.9 | 40.8 | 44.8 | 42.9 | 2.38 |
| Aberdeen | 52.5 | 41.4 | 45.6 | 43.6 | 2.87 |
| Leith | 54.7 | 41.8 | 46.7 | 44.9 | 1.97 |
| Shields | 53.2 | 42.7 | 47.2 | 45.4 | 2.48 |
| Spurn Head | 53.3 | 45.7 | 48.8 | 47.3 | 2.27 |
| York | 54.5 | 41.4 | 45.9 | 44.5 | 2.60 |
| Loughborough | 55.7 | 41.1 | 45.0 | 44.6 | 2.86 |
| Ardrrossan | 53.7 | 43.7 | 47.8 | 45.8 | 3.87 |
| Mullaghmore | 54.2 | 45.7 | 49.1 | 46.9 | 4.75 |
| Donaghadee | 53.6 | 43.6 | 47.8 | 46.6 | 3.14 |
| Holyhead | 54.7 | 47.3 | 50.3 | 48.3 | 4.31 |
| Liverpool | 53.8 | 44.7 | 47.8 | 45.8 | 3.46 |
| Parsonstown | 54.8 | 41.0 | 48.2 | 44.5 | 3.16 |
| Valencia | 56.6 | 40.8 | 51.4 | 49.2 | 5.88 |
| Roche's Point | 56.0 | 46.1 | 50.2 | 48.3 | 4.09 |
| Pembroke | 54.9 | 48.0 | 51.2 | 49.2 | 3.96 |
| Scilly | 56.6 | 50.2 | 53.7 | 51.6 | 3.60 |
| Prawle Point | 56.7 | 46.2 | 51.2 | 49.6 | 4.45 |
| Jersey | 58.2 | 48.6 | 53.3 | 50.7 | 3.26 |
| Hurst Castle | 57.1 | 45.8 | 50.8 | 49.2 | 3.22 |
| Dover | 56.1 | 46.2 | 50.2 | 48.2 | 2.57 |
| LONDON | 56.7 | 42.7 | 47.5 | 45.9 | 2.56 |
| Oxford | 56.5 | 42.2 | 46.2 | 44.9 | 2.27 |
| Cambridge | 56.5 | 41.0 | 46.4 | 45.3 | 2.92 |
| Yarmouth | 54.3 | 44.6 | 49.0 | 47.6 | |

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: to 30.2 ins: over France and South Germany; 29.9 ins: and upwards, in the north of Scandinavia.
 Lowest, 29.4 ins: and less, in a depression lying off the north of Scotland.
 Gradients moderate or slight generally. Barometer falling a little in the north of Scotland and also in the west of Norway, but rising in most other parts of Western Europe.

TEMPERATURE

Highest, 61° at Jersey and Lorient and 60° at Shields, Liverpool, Hurst Castle, Dungeness, and in London.
 Lowest, 24° at Hafnarvanda, 32° at Bodø, 35° at Helsingfors, 38° at Stockholm, and 39° at Christiansund.
 During yesterday the thermometer rose to between 60° and 65° in nearly all parts of our Islands. The minima during the night rose mostly above 55°.

WIND

Light to moderate from the SWnd over the United Kingdom, and also over the Netherlands, and the north of France.
 Wnd over Denmark and North Germany; Nnd in Sweden; End or SEnd in the west of Norway.
 Calm or light and variable over the southern parts of France.

WEATHER

Fine in the southeast of England, but cloudy in most other parts of our Islands, with rain or passing showers at many of our northern stations as well as at Dover Point.
 Dull in Germany, Denmark, and the south of Scandinavia, with rain at Helsingfors and Skagen. Fine and bright in the west of Norway and also in the south of France.
 Rain fell yesterday in all the more western and northern parts of the United Kingdom, but the amounts were not large.

SEA

Slight generally, but rough at Pembroke, and rather rough at Cape Fin Key and Lorient.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The appearance is still somewhat unsettled, but the barometer is rising steadily in the west, and there are at present no signs of the approach of any fresh depressions.

FORECASTS

For the 24 hours ending at NOON on 17th OCTOBER, 1893.

DISTRICTS.

FORECASTS.

DISTRICTS.

FORECASTS.

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

SWnd winds, light, cloudy showery.

SWnd winds, light; changeable, some showers, rather cooler.

SWnd and Wnd winds, fresh; changeable, some showers, rather cooler.

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

Same as Nos 2 to 4.

SWnd winds, moderate or fresh; unsettled, some showers.

WARNINGS

At 10.15 am to districts 5, 8, and 10 "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. | | | | |
| Skudeanaes ... | 29.73 | 50 | 45 | E | 2 | 0 | 2 | Valencia ... | | | | | | | |
| Sumburgh Head | | | | | | | | Scilly ... | | | | | | | |
| Stornoway ... | 29.47 | 57 | 57 | Sw | 3 | 0 | 3 | Jersey ... | 30.12 | 62 | 59 | Sw | 3 | 0 | 3 |
| Aberdeen ... | | | | | | | | Hurst Castle ... | | | | | | | |
| Shields ... | | | | | | | | Dungeness ... | 29.97 | 61 | 59 | W | 5 | c | 4 |
| Ardrossan ... | | | | | | | | North Foreland ... | 29.94 | 64 | 61 | W | 5 | c | 3 |
| Malin Head ... | 29.62 | 57 | 57 | WSW | 3 | 0 | 2 | London ... | | | | | | | * |
| Mullaghmore ... | | | | | | | | Yarmouth ... | | | | | | | |
| Belmullet ... | 29.67 | 58 | 58 | Sw | 3 | 0 | * | Rochefort ... | 30.12 | 70 | 65 | Z | 0 | b | * |
| Holyhead ... | 29.81 | 59 | 59 | Sw | 5 | 0 gm | 4 | | | | | | | | |

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

Weather in morning continuing fine over the Spanish Peninsula, fair over the Mediterranean, fine and bright over the south of Russia; dull and unsettled in all other countries, with rain in many parts of Austria, Germany, the Netherlands, the British Islands and north of Russia. Further falls of rain in these regions later, but weather fine over France, the south of England, Sweden and Norway.

Temperature risen fast over central Europe, fallen over the south of Russia, very high for time of year over England. Morning readings, highest 71° at Malta, exceeding 60° on the Spanish, the southern French and Italian coasts, and touching 60° at many English stations. Lowest 33° to 34° in Lapland and the northern parts of Sweden and Finland, 39° at Riga, 40° at Kharkov and Odessa; 41° at Stockholm, 45° at Sumburgh Head. Rising to between 60° and 67° over many parts of St. Britain later, and touching 72° at Rochefort, 73° at Biarritz, and 84° at Perpignan.

Wind S.W. to W. and fresh, over Ireland and England; variable and light over Scotland and Norway; N.W. to NW. over Sweden, NW. over Denmark, western Germany and Hungary, SW. (light) over Poland and the Baltic Provinces, NE. at the northern extremity of the Gulf of Bothnia. Very variable breezes still prevalent over the southern countries and the Mediterranean. Becoming SW. in Scotland later, little change elsewhere.

Barometer Highest 30.2 ins. and more to 30.0 ins. over the Iberian Peninsula, the Mediterranean and France, and exceeding 30.0 ins. over the Baltic Peninsula also. Lowest 29.5 ins. and less to 29.6 ins. (1) over Finland and northern Russia generally, and (2) over Scotland, the Hebrides and neighbouring parts of the Atlantic. Rising a little over Denmark, the Baltic and Germany later, falling slightly in the north of Scotland and the southwest of Ireland.

SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD FROM THE 8TH TO 14TH OCT. 1893.

The weather of last week was mild and very unsettled, with considerable quantities of rain in all but the eastern and central parts of the United Kingdom, where the falls were mostly small. In London the aggregate rainfall for the week was within half of an inch of the average for the whole month.

At the commencement of the time a small depression moved northwards from our northeast coasts along the east of Scotland, the wind in its front increasing to a gale from the E. with heavy rain. As the disturbance passed away a new one advanced northwards over the Bay of Biscay and France, and produced thunder, lightning and heavy rain at several of our southern and southeastern stations. The amount measured in London on the morning of the 10th being as much as 1.1 ins. During the night of the 9th the depression apparently travelled northwards over the North Sea, but on reaching the north of Scotland it remained stationary for a time and gradually became deeper, very strong W. winds being experienced in that neighbourhood on the 12th. In the meantime a shallow secondary disturbance passed eastwards along the English Channel and on the 11th heavy rains were experienced in the south generally, the largest amounts being 1.3 ins. at Jersey 1.2 ins. at Cape Gris Nez, and 1.1 ins. at Dungeness.

By the 13th the northern depression had passed away to the northeastward but in the course of the day a new one passed along our western coasts and occasioned moderate S.W. gales in Ireland, with heavy rain in places. At the close of the week the depression was spreading eastwards across Scotland, and SW. winds with dull and very mild weather were general over the greater part of the United Kingdom.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

N.B.—The morning observations are 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, 17th OCTOBER, 1893**

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. |
| | | Inch. | ° | | | | Inch. | ° | ° | ° | | | | | | ° | Inch. | | | |
| SCANDINAVIA. | Haparanda ... | 29.55 | 29 | NE | 2 | b | 30.08 | +11 | 29 | 27 | +5 | NE | 4 | c | b | 34 | 5 | — | | |
| | Hernösand ... | 29.92 | 33 | NE | 6 | s | 29.96 | +28 | 30 | 29 | -5 | NE | 6 | s | s | 37 | 2 | 0.28 | | |
| | Stockholm ... | 29.78 | 41 | 2 | 0 | o | 29.67 | -15 | 41 | 40 | +5 | NE | 4 | r | o | 46 | 34 | 0.24 | | |
| | Wisby ... | 29.76 | 41 | N | 4 | T | 29.53 | -23 | 44 | 42 | +6 | ESE | 2 | o | T | 46 | 37 | 0.24 | | |
| | Bodö ... | 29.99 | 32 | E | 6 | b | 30.06 | +14 | 30 | 26 | -2 | E | 6 | b | b | 34 | 28 | — | | |
| | Christiansund... | 29.62 | 41 | ENE | 1 | b | 29.75 | +15 | 39 | 36 | 0 | ENE | 1 | b | 2 | b | 45 | 37 | — | |
| | Skudesnaes ... | 29.49 | 51 | s | 7 | o | 29.62 | +22 | 45 | 44 | -4 | NNW | 4 | b | 2 | o | 52 | 43 | — | |
| | Christiania Fjord (Færdier) | 29.52 | 43 | NE | 4 | T | 29.63 | -10 | 40 | 38 | -5 | NE | 5 | o | 1 | r | 45 | 39 | 1.02 | |
| | Skagen (The Scaw) | 29.49 | 51 | NNH | 1 | bc | 29.54 | -19 | 45 | 44 | -5 | NE | 2 | r | o | bc | 52 | 45 | 0.24 | |
| | Fanö ... | 29.63 | 53 | W | 6 | b | 29.65 | -23 | 53 | 53 | 0 | W | 6 | c | b | 57 | 54 | — | | |
| BRITISH ISLANDS. | Sumburgh Head | 29.46 | 51 | 2 | 0 | T | 29.83 | +40 | 44 | 41 | -7 | N | 2 | bc | 3 | r | 53 | 43 | 0.20 | |
| | Stornoway ... | 29.59 | 52 | W | 4 | T | 29.92 | +51 | 45 | 45 | -10 | W | 2 | o | 3 | r | 56 | 43 | 0.12 | |
| | Wick ... | 29.52 | 56 | W | 4 | o | 29.88 | +41 | 48 | 47 | -4 | W | 2 | o | 1 | o | 59 | 46 | 0.20 | |
| | Nairn ... | 29.61 | 55 | SW | 2 | c | 29.90 | +42 | 49 | 48 | -6 | WSW | 1 | o | 1 | c | 61 | 47 | 0.23 | |
| | Aberdeen ... | 29.59 | 56 | WSW | 2 | bc | 29.88 | +22 | 48 | 47 | -8 | WSW | 4 | ogsf | 3 | bc | 64 | 48 | 0.05 | |
| | Leith ... | 29.72 | 53 | SW | 4 | o | 29.93 | +23 | 49 | 47 | -10 | WSW | 2 | b | * | o | 62 | 48 | — | |
| | Shields ... | 29.75 | 57 | WSW | 4 | bc | 29.92 | +22 | 52 | 50 | -8 | WSW | 2 | c | 2 | f. bc | 64 | 52 | — | |
| | Spurn Head ... | 29.88 | 56 | W | 5 | bc | 29.96 | +15 | 53 | 50 | -5 | WSW | 5 | o | 3 | bc | 63 | 52 | — | |
| | York ... | 29.88 | 57 | SW | 1 | b | 29.98 | +19 | 52 | 49 | -7 | W | 1 | o | * | b | 63 | 53 | — | |
| | Loughborough | 29.97 | 57 | W | 2 | bc | 30.06 | +17 | 54 | 52 | -4 | W | 2 | smo | * | bc | 60 | 53 | — | |
| BRITISH ISLANDS. | Ardrossan ... | 29.83 | 55 | WSW | 2 | c | 29.95 | +12 | 52 | 51 | -4 | W | 2 | bc | 2 | c | 57 | 51 | 0.03 | |
| | Malin Head ... | 29.86 | 53 | W | 5 | of | 30.00 | +13 | 53 | 53 | -1 | NNH | 2 | o | 2 | o. of | 56 | 51 | 0.01 | |
| | Mullaghmore ... | 29.88 | 54 | W | 3 | c | 30.03 | +24 | 51 | 49 | -5 | NNH | 2 | o | * | bc. c | 56 | 49 | — | |
| | Belmullet ... | 29.94 | 54 | W | 2 | bc | 30.02 | +10 | 48 | 47 | -10 | NNH | 2 | c | 1 | bc | 61 | 46 | — | |
| | Liverpool (Bldston) | 29.97 | 56 | SW | 2 | b | 30.05 | +22 | 53 | 50 | -7 | W | 1 | o | 2 | b | 62 | 52 | — | |
| | Holyhead ... | 29.96 | 57 | SW | 2 | bc | 30.05 | +25 | 53 | 53 | -5 | 2 | o | og | o | c. bc | 60 | 52 | — | |
| | Parsonstown ... | 29.99 | 56 | NNH | 1 | o | 30.03 | +17 | 54 | 53 | -2 | s | 1 | CT | * | o. of | 59 | 52 | 0.14 | |
| | Valencia ... | 30.04 | 57 | SW | 1 | om | 30.06 | +13 | 53 | 53 | -3 | NNH | 2 | rmg | 2 | bc. om | 62 | 52 | 0.44 | |
| | Roche's Point | 30.04 | 57 | WSW | 2 | c | 30.05 | +10 | 54 | 54 | -2 | SSE | 2 | r | 3 | c. r | 62 | 54 | 0.35 | |
| | Pembroke (St. Ann's Hd.) | 30.03 | 57 | WSW | 4 | o | 30.07 | +15 | 56 | 56 | -2 | N | 1 | r | 3 | o | 59 | 56 | 0.10 | |
| BRITISH ISLANDS. | Scilly ... | 30.10 | 59 | WSW | 4 | om | 30.09 | +17 | 58 | 58 | -1 | SW | 4 | OT | 3 | f. om | 63 | 57 | 0.01 | |
| | Prayle Point ... | 30.11 | 57 | SW | 2 | f | 30.14 | +11 | 57 | 57 | 0 | SW | 2 | og | 2 | fd | 58 | 57 | 0.09 | |
| | Jersey (St. Aubin's) | 30.16 | 63 | W | 2 | og | 30.20 | +14 | 60 | 59 | -1 | SW | 2 | og | 3 | c. og | 65 | 59 | 0.01 | |
| | Hurst Castle ... | 30.08 | 60 | WSW | 5 | b | 30.11 | +14 | 62 | 59 | +2 | WSW | 4 | om | 4 | cmph. c | 63 | 58 | — | |
| | Dungeness ... | 30.02 | 60 | W | 5 | o | 30.08 | +14 | 56 | 56 | -4 | NNH | 2 | d | 1 | d. o | 63 | 56 | 0.02 | |
| | North Foreland | 30.00 | 60 | WSW | 2 | bc | 30.06 | +16 | 57 | 55 | -2 | W | 2 | o | 2 | o. bc | 65 | 56 | 0.02 | |
| | London ... | 30.01 | 60 | W | 2 | c | 30.08 | +10 | 58 | 55 | -4 | W | 1 | o | * | bc. c. od | 66 | 55 | 0.01 | |
| | Oxford ... | 30.05 | 57 | WSW | 2 | o | 30.08 | +12 | 58 | 54 | -4 | W | 1 | OT | * | c. o | 65 | 55 | — | |
| | Cambridge ... | 29.99 | 59 | SW | 2 | c | 30.06 | +12 | 58 | 54 | -4 | NNH | 2 | o | * | c | 68 | 55 | — | |
| | Yarmouth ... | 29.91 | 61 | WSW | 2 | bc | 29.99 | +10 | 58 | 55 | -3 | W | 2 | om | 3 | c. bc | 65 | 51 | — | |
| GERMANY & HOLLAND. | Cuxhaven ... | 29.85 | 54 | W | 5 | T | 29.83 | -1 | 53 | 54 | -1 | W | 5 | bc | * | r | 57 | 51 | 0.18 | |
| | Berlin ... | 29.86 | 57 | W | 5 | T | 29.82 | +22 | 56 | 54 | -2 | NNH | 4 | c | * | r | 61 | 57 | 0.20 | |
| | Wiesbaden ... | 30.07 | 57 | 2 | 0 | * | 30.07 | 0 | 56 | 58 | -2 | 2 | o | o | * | * | 61 | 58 | — | |
| | Munich ... | 30.11 | 53 | 2 | 0 | c | 30.24 | +11 | 51 | 49 | -2 | SW | 5 | o | * | c | 64 | 48 | — | |
| | The Helder ... | 29.94 | 53 | SW | 4 | b | 29.93 | +16 | 56 | 52 | -4 | NNH | 6 | c | 4 | b | 59 | 53 | — | |
| | Brussels (9 a.m.) | 30.10 | 56 | 2 | 0 | * | 30.10 | +15 | 56 | 55 | +1 | W | 2 | r | * | o | 60 | 55 | 0.04 | |
| | Cape Gris Nez | 30.00 | 60 | W | 5 | o | 30.04 | +17 | 56 | 56 | -2 | NNH | 2 | r | 2 | o | 61 | 58 | 0.12 | |
| | Paris ... | 30.21 | 58 | SW | 2 | o | 30.23 | +17 | 58 | 58 | 0 | SW | 1 | o | 4 | o | 62 | 56 | — | |
| | Brest ... | 30.21 | 58 | WSW | 2 | o | 30.21 | +17 | 58 | 58 | -1 | SW | 2 | c | * | o | 63 | 57 | — | |
| | Lorient ... | 30.21 | 61 | WSW | 2 | c | 30.21 | +17 | 58 | 57 | -2 | s | 2 | b | 3 | c | 66 | 57 | — | |
| FRANCE AND BELGIUM. | Rochefort ... | 30.15 | 62 | 2 | 0 | b | 30.17 | 2 | 53 | 53 | -2 | 2 | o | f | * | b | 73 | 52 | — | |
| | Belfort ... | 30.22 | 58 | W | 2 | c | 30.29 | +17 | 58 | 51 | +6 | NNH | 2 | o | * | c | 73 | 47 | — | |
| | Lyons ... | 30.22 | 61 | NNH | 2 | b | 30.29 | +17 | 58 | 51 | +6 | N | 1 | o | * | b | 70 | 49 | — | |
| | Nice ... | 30.12 | 61 | 2 | 0 | o | 30.09 | -23 | 60 | 57 | +4 | E | 2 | c | 2 | o | 68 | 58 | — | |
| | Perpignan ... | 30.15 | 70 | NNH | 2 | b | 30.17 | +21 | 66 | 55 | +15 | NNH | 4 | b | * | b | 70 | 57 | — | |
| | Biarritz ... | 30.18 | 64 | E | 2 | b | 30.19 | +15 | 57 | 56 | -2 | 2 | o | b | 3 | b | 72 | 58 | — | |
| | Corunna ... | 30.14 | 75 | NNH | 4 | b | 30.17 | 0 | 66 | 58 | +2 | NNH | 4 | b | * | b | 84 | 64 | — | |
| | Lisbon ... | 30.14 | 75 | NNH | 4 | b | 30.17 | 0 | 66 | 58 | +2 | NNH | 4 | b | * | b | 84 | 64 | — | |

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, 17th Oct: 1893.

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 5 to 10;
— forces 5 to 7; — forces 1 to 4;
— dead calm.

SEA DISTURBANCE—Where considerable, is shown thus:

— Rough. — High.

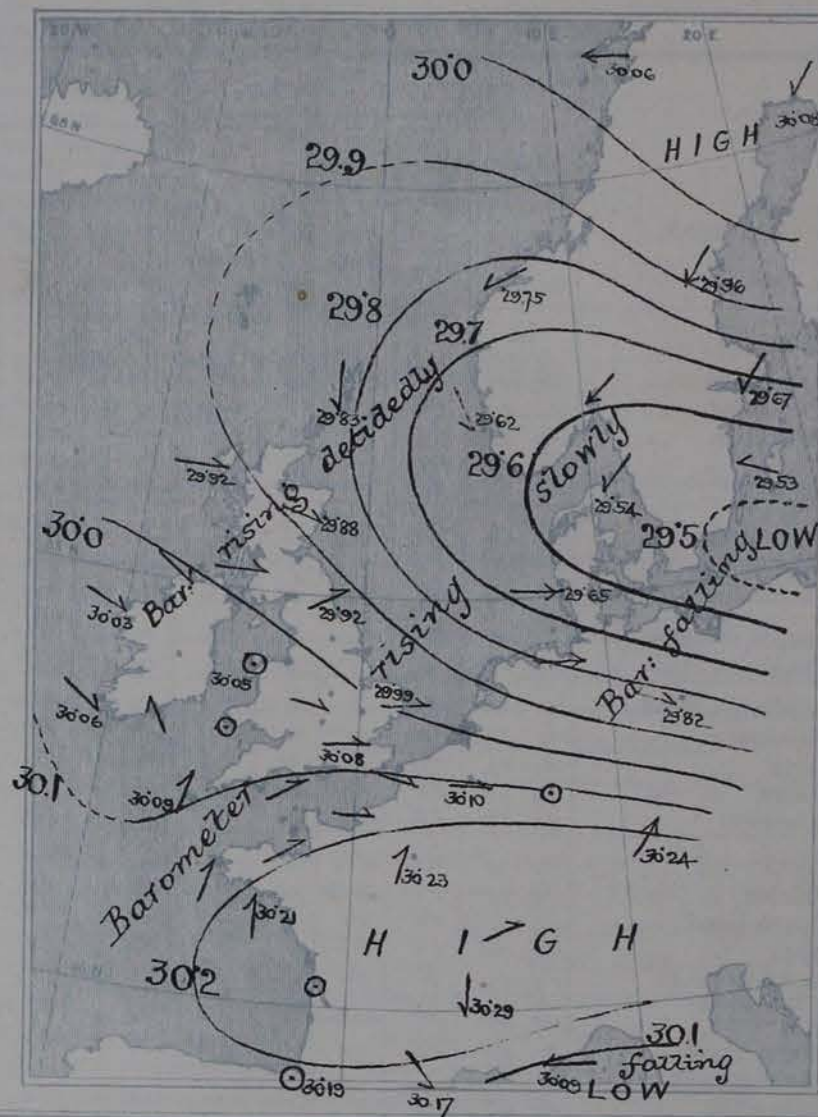
MEAN HEIGHT OF THE BAROMETER

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

STATIONS.

MEAN READINGS.

| STATIONS. | MEAN READINGS. |
|---------------|----------------|
| Sumburgh Head | 29.726 |
| Stornoway | 29.756 |
| Wick | 29.763 |
| Nairn | 29.770 |
| Aberdeen | 29.793 |
| Leith | 29.822 |
| Shields | 29.840 |
| Spurn Head | 29.867 |
| York | 29.882 |
| Loughborough | 29.904 |
| Ardrossan | 29.931 |
| Mullaghmore | 29.945 |
| Donaghadee | 29.950 |
| Holyhead | 29.972 |
| Liverpool | 29.979 |
| Parsonstown | 29.997 |
| Valencia | 29.996 |
| Roche's Point | 29.992 |
| Pembroke | 29.988 |
| Silly | 29.910 |
| Prawle Point | 29.931 |
| Jersey | 29.925 |
| Hurst Castle | 29.922 |
| Dover | 29.916 |
| LONDON | 29.923 |
| Oxford | 29.924 |
| Cambridge | 29.912 |
| Yarmouth | 29.894 |



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 October.)

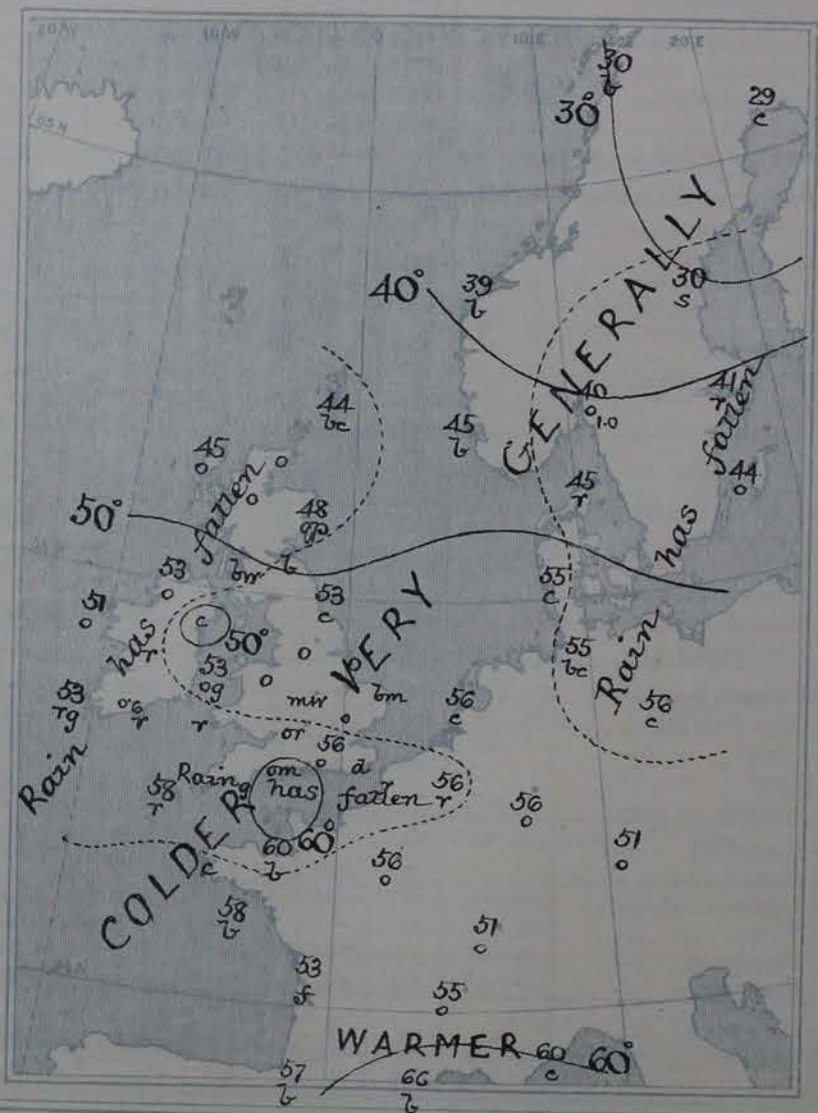
STATIONS.

TEMPERATURE.

RAINFALL (Inches.)

| STATIONS. | TEMPERATURE. | | | | RAINFALL (Inches.) |
|---------------|---------------|---------------|------------------|------|-----------------------|
| | Daily Max. | Daily Min. | Dry at 8 a.m. | Wet | |
| Sumburgh Head | 49.8 | 41.6 | 46.0 | 44.3 | 4.27 |
| Stornoway | 51.0 | 40.5 | 45.0 | 44.5 | 3.04 |
| Wick | 51.7 | 40.5 | 46.3 | 44.6 | 3.02 |
| Nairn | 51.9 | 40.8 | 44.8 | 42.9 | 2.58 |
| Aberdeen | 52.5 | 41.4 | 45.6 | 43.6 | 2.87 |
| Leith | 54.7 | 41.8 | 46.7 | 44.0 | 1.97 |
| Shields | 53.2 | 42.7 | 47.2 | 45.4 | 2.48 |
| Spurn Head | 53.3 | 45.7 | 48.8 | 47.3 | 2.97 |
| York | 54.5 | 41.4 | 45.0 | 44.5 | 2.60 |
| Loughborough | 55.7 | 41.1 | 45.9 | 44.6 | 2.80 |
| Ardrossan | 53.7 | 43.7 | 47.8 | 45.8 | 3.87 |
| Mullaghmore | 54.2 | 45.7 | 49.1 | 46.9 | 4.75 |
| Donaghadee | 53.6 | 43.6 | 47.8 | 46.6 | 3.74 |
| Holyhead | 54.7 | 47.3 | 50.3 | 48.3 | 1.31 |
| Liverpool | 53.8 | 44.7 | 47.8 | 45.8 | 3.46 |
| Parsonstown | 54.8 | 41.0 | 46.2 | 44.5 | 3.16 |
| Valencia | 56.6 | 46.8 | 51.4 | 49.2 | 3.88 |
| Roche's Point | 56.0 | 46.1 | 50.2 | 48.3 | 4.09 |
| Pembroke | 54.9 | 48.0 | 51.2 | 49.2 | 3.06 |
| Silly | 56.6 | 50.2 | 53.7 | 51.6 | 3.70 |
| Prawle Point | 56.7 | 46.2 | 51.2 | 49.6 | 3.60 |
| Jersey | 58.2 | 48.6 | 53.3 | 50.7 | 4.45 |
| Hurst Castle | 57.1 | 45.8 | 50.8 | 49.2 | 3.28 |
| Dover | 56.1 | 46.2 | 50.2 | 48.2 | 3.22 |
| LONDON | 56.7 | 42.7 | 47.5 | 45.9 | 2.57 |
| Oxford | 55.5 | 42.2 | 46.2 | 44.9 | 2.56 |
| Cambridge | 56.5 | 41.0 | 46.4 | 45.3 | 2.27 |
| Yarmouth | 54.3 | 44.0 | 48.0 | 47.0 | 2.02 |

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: in an anticyclone covering France, the Bay of Biscay, Ireland, and the greater part of England; 30.0 ins: and more over Scotland.
Lowest, 29.5 ins to 29.6 ins: over the Baltic and Denmark.

Gradients somewhat steep for W¹ winds over the North Sea, slight and variable elsewhere.

Barometer rising decidedly in the north and north-west, changing very little (but inclined to fall) in the southwest and south.

TEMPERATURE

Highest, 60° to 66° in the south of France, 62° at Hurst Castle, 60° at Jersey.

Lowest, 29° to 30° in the north of Scandinavia, 44° at Lumburgh Head, 45° to 49° over Scotland.

The maxima recorded over England yesterday varied in many regions from 65° to 68°.

WIND

Variable both in direction and force. W¹ strong, over Holland and Holstein, moderate over the east and south of England; W¹ to NW¹, light, over the northern and north-western parts of our Islands; NE¹ to N¹, fresh, over Scandinavia. Nearly calm over the Bay of Biscay.

WEATHER

Fine and bright at the Norwegian stations, cloudy or overcast elsewhere, with slight rain in many parts of the United Kingdom, snow at Hemsö and, cold rain at Stockholm.

The rainfall since yesterday has been considerable in the south of Ireland and in Sweden and Norway, heavy at Åsander.

SEA

Very little disturbed on our coasts.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The southwesterly and southerly current of wind is decreasing in strength, and breezes from NW. or N. are likely to become general before long with colder weather.

FORECASTS

For the 24 hours ending at NOON on 18th OCTOBER, 1893.

DISTRICTS.

FORECASTS.

DISTRICTS.

FORECASTS.

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

NW¹ breezes; colder, some showers.

Same as N°5

Varying airs; colder, rain at times.

SW¹ and W¹ breezes; dull, rain at times, colder.

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

Same as N°s 2 to 4.

Same as N°5.

NW¹ breezes, moderate; colder, becoming drier.

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 ... | 29.56 | 52 | 51 | SSW | 6 | 0 | 3 | Valencia ... | 30.00 | 62 | 59 | SW | 2 | bc | 3 |
| Sumburgh Head ... | 29.43 | 52 | 52 | W | 1 | T | 3 | Scilly ... | 30.07 | 60 | 60 | SSW | 4 | f | 4 |
| Stornoway ... | 29.46 | 53 | 53 | W | 2 | T | 3 | Jersey ... | 30.14 | 61 | 61 | SW | 3 | c | 3 |
| Aberdeen ... | 29.53 | 61 | 54 | SW | 5 | bcg | 3 | Hurst Castle ... | 30.04 | 61 | 59 | SW | 6 | compd | 4 |
| Shields ... | 29.74 | 62 | 56 | WSW | 5 | bc | 2 | Dungeness ... | 29.99 | 61 | 60 | W | 5 | d | 3 |
| Ardrossan ... | 29.77 | 56 | 54 | WSW | 4 | c | 3 | North Foreland ... | 29.98 | 64 | 60 | W | 3 | og | 3 |
| Malin Head ... | 29.78 | 55 | 51 | W | 6 | of | 4 | London ... | 29.98 | 66 | 62 | W | 2 | o | * |
| Mullaghmore ... | 29.91 | 56 | 54 | WSW | 2 | bc | 3 | Yarmouth ... | 29.99 | 64 | 60 | WSW | 4 | c | 3 |
| Belmullet ... | 29.91 | 56 | 54 | WSW | 2 | bc | 3 | Rochefort ... | 30.15 | 70 | 66 | 2 | 0 | b | * |
| Holyhead ... | 29.94 | 59 | 53 | WSW | 4 | c | 3 | | | | | | | | |

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

Weather fine in the southeast of England, as well as in the west of Norway and many parts of southern Europe. Cloudy or overcast elsewhere, with passing showers at many of our own northern stations, and steady rain in the north of Scotland, as well as in Germany and Denmark; snow falling at Archangel and Kuopio. Sky clearing later in many parts of our Islands, but rain continuing in the extreme north. Snow settling in at Hemsö and in evening.

Temperature changed very irregularly in the western countries, but fallen in the northern and risen in the southern parts of Europe. Morning readings highest 74° at Algiers, 71° at Barcelona and Malta, and 70° at Brindisi and Palermo, above 65° at the Mediterranean stations generally, and ranging between 57° and 61° over England. Lowest 24° at Haparanda, 28° at Ulsaborg, 32° at Archangel, Kuopio, and Rode, and 35° at Hemsö and, below 45° at most of the Scandinavian, Russian, and Baltic stations. Rising during day to between 60° and 65° in most parts of the United Kingdom, and reaching 68° at Loughborough and Cambridge, exceeding 70° in the south and southwest of France. Succeeding night again very mild especially in the south of England, where the thermometer did not fall below 56.

Wind light to fresh from the SW² over our Islands, the Netherlands, Germany, and the north of France; SE¹ or E² at the Norwegian stations. Light from the N² over Sweden and Northern Russia, variable over the southern and central parts of Russia. W³ or NW³ in Austria. N³ or NW³ in Italy; calm or light and variable in Spain, Algeria, and the south of France. Subsequently veering to the W² in many parts of our Islands, no important change occurring elsewhere.

Barometer highest 30.1 ins. to 30.3 ins. in a large anticyclone covering France and the greater part of southern Europe and the Mediterranean. Lowest, 29.4 ins. and less, in a depression lying off the north of Scotland and also in another system over the extreme north of Russia. Former disturbance subsequently moving eastwards; secondary system forming over Denmark and the south of Norway.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

N.B.—The morning observations are 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 18TH OCTOBER. 1893**

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 Yesterday Morn. | Dry Bulb. | Wet Bulb. | Change in dry since Yesterday. | | | Dir. | Force (0 to 12). | | Max. | Min. | |
| | | Inch. | ° | | | | Inch. | ° | ° | ° | | | | | | ° | Inch. | | | | |
| SCANDINAVIA. | Haparanda ... | 29.17 | 30 | E | 2 | bc | 30.18 | +10 | 25 | 23 | -4 | 2 | 0 | bc | 2 | bc | 25 | — | | | |
| | Hernösand ... | 29.06 | 30 | N | 6 | bc | 30.16 | +20 | 28 | 27 | -2 | N | 4 | bc | 2 | bc | 24 | 0.22 | | | |
| | Stockholm ... | 29.81 | 36 | NNE | 6 | T | 29.96 | +29 | 35 | 34 | -6 | NNE | 4 | bc | 2 | bc | 42 | 0.47 | | | |
| | Wisby ... | 29.62 | 38 | ESE | 4 | T | 29.82 | +29 | 42 | 40 | -2 | ESE | 8 | bc | 2 | bc | 45 | 0.24 | | | |
| | Bodö ... | 29.12 | 28 | E | 4 | bc | 30.02 | -04 | 27 | 24 | -3 | E | 4 | bc | 2 | bc | 24 | — | | | |
| | Christiansund... | 29.94 | 40 | ESE | 2 | bc | 30.01 | +26 | 40 | 36 | +1 | ESE | 2 | bc | 2 | bc | 45 | — | | | |
| | Skudesnaes ... | 29.92 | 46 | SE | 2 | c | 30.06 | +44 | 44 | 42 | -1 | S | 6 | bc | 4 | bc | 50 | — | | | |
| | Christiania Fjord (Færd) | 29.93 | 36 | NNE | 7 | c | 30.13 | +30 | 34 | 32 | -6 | NNE | 6 | bc | 2 | c | 40 | 0.12 | | | |
| | Skagen (The Scaw) | 29.86 | 29 | ESE | 4 | 0 | 30.07 | +33 | 32 | 35 | -6 | NE | 2 | bc | 1 | 0 | 46 | 0.16 | | | |
| | Fanö ... | 29.86 | 44 | N | 2 | bc | 30.05 | +40 | 37 | 36 | -18 | NE | 2 | bc | 2 | bc | 55 | — | | | |
| BRITISH ISLANDS. | Sumburgh Head | 29.94 | 44 | 2 | 0 | c | 29.90 | +07 | 48 | 46 | +4 | WNW | 2 | bc | 2 | c | 49 | 0.05 | | | |
| | Stornoway ... | 29.98 | 48 | 2 | 0 | 0 | 29.98 | +01 | 51 | 51 | +6 | W | 2 | bc | 2 | bc | 51 | 0.05 | | | |
| | Wick ... | 30.00 | 43 | W | 1 | c | 29.97 | +09 | 46 | 45 | -2 | S | 2 | 0 | 1 | c | 52 | — | | | |
| | Nairn ... | 29.99 | 49 | 2 | 0 | 0 | 30.01 | +11 | 47 | 45 | -2 | SW | 1 | 0 | 1 | 0 | 54 | 0.02 | | | |
| | Aberdeen ... | 30.01 | 49 | NW | 2 | bc | 30.06 | +18 | 48 | 46 | 0 | SW | 2 | bc | 1 | bc | 52 | — | | | |
| | Leith ... | 29.99 | 53 | WNW | 1 | 0 | 30.01 | +15 | 48 | 42 | -6 | W | 1 | bc | 2 | 0 | 61 | — | | | |
| | Shields ... | 29.98 | 53 | NNE | 1 | 0 | 30.10 | +18 | 48 | 42 | -9 | 2 | 0 | bc | 2 | 0 | 59 | — | | | |
| | Spurn Head ... | 29.98 | 53 | N | 2 | 0 | 30.13 | +17 | 51 | 46 | -2 | NE | 2 | bc | 2 | m.s.v | 55 | — | | | |
| | York ... | 29.99 | 54 | NNW | 1 | 0 | 30.15 | +17 | 40 | 40 | -12 | N | 1 | bc | 2 | 0 | 58 | — | | | |
| | Loughborough | 30.03 | 52 | NNW | 1 | T | 30.17 | +11 | 48 | 48 | -11 | NNW | 1 | bc | 2 | gm.T | 56 | 0.27 | | | |
| GERMANY & HOLLAND. | Ardrossan ... | 30.02 | 50 | 2 | 0 | bc | 30.11 | +16 | 44 | 43 | -8 | NE | 1 | cfr | 1 | c. bc | 56 | — | | | |
| | Malin Head ... | 30.04 | 52 | NW | 2 | of | 30.10 | +10 | 50 | 49 | -3 | SW | 4 | 0 | 2 | o. of | 58 | — | | | |
| | Mullaghmore ... | 30.10 | 51 | NNW | 1 | bc | 30.19 | +16 | 52 | 52 | +2 | NNW | 2 | 0 | 2 | bc. b | 56 | — | | | |
| | Belmullet ... | 30.05 | 54 | NNE | 2 | c | 30.15 | +13 | 48 | 47 | 0 | WNW | 2 | c | 1 | c | 56 | 0.02 | | | |
| | Donaghadee ... | 30.02 | 53 | 2 | 0 | 0 | 30.17 | +12 | 48 | 47 | -5 | 2 | 0 | 0 | 1 | 0 | 55 | — | | | |
| | Holyhead ... | 29.99 | 54 | NE | 2 | 0 | 30.16 | +11 | 52 | 50 | -1 | NNW | 2 | 0 | 2 | 0 | 56 | 0.01 | | | |
| | Parsonstown ... | 30.04 | 49 | SE | 1 | 0 | 30.21 | +18 | 44 | 41 | -12 | S | 1 | 0 | 2 | 0 | 58 | 0.53 | | | |
| | Valencia ... | 30.07 | 54 | N | 4 | cfr | 30.26 | +20 | 44 | 48 | -9 | 2 | 0 | bc | 1 | cmz. cfr | 56 | 0.19 | | | |
| | Roche's Point | 29.97 | 54 | NNW | 3 | cfr | 30.22 | +17 | 47 | 46 | -7 | N | 3 | c | 2 | cfr | 56 | 0.70 | | | |
| | Pembroke (St. Ann's Hd.) | 29.92 | 57 | WNW | 4 | T | 30.17 | +10 | 52 | 50 | -4 | N | 4 | bc | 2 | T | 57 | 0.45 | | | |
| FRANCE AND BELGIUM. | Scilly ... | 29.95 | 58 | NNW | 4 | T | 30.13 | +04 | 57 | 52 | -1 | NNE | 5 | bc | 2 | 0 | 57 | 0.07 | | | |
| | Prawle Point ... | 30.11 | 57 | WNW | 2 | T | 30.10 | -04 | 52 | 51 | -5 | NNE | 4 | bc | 2 | 0 | 57 | 0.36 | | | |
| | Jersey (St. Aubin's) | 30.04 | 63 | S | 2 | 0 | 30.00 | -20 | 58 | 55 | -2 | NW | 3 | 0 | 2 | 0 | 65 | 0.07 | | | |
| | Hurst Castle ... | 30.02 | 59 | NNW | 4 | 0 | 30.04 | -07 | 53 | 53 | -7 | NE | 5 | bc | 4 | 0 | 62 | 1.57 | | | |
| | Dungeness ... | 30.00 | 59 | W | 2 | dmz | 29.96 | -12 | 56 | 54 | 0 | E | 5 | bc | 4 | 0 | 60 | 0.38 | | | |
| | North Foreland | 30.02 | 55 | NW | 1 | 0 | 30.06 | 0 | 56 | 52 | -1 | ESE | 4 | bc | 4 | 0 | 60 | 0.38 | | | |
| | London ... | 30.02 | 55 | NW | 1 | 0 | 30.09 | +01 | 50 | 48 | -6 | NNE | 3 | bc | 2 | 0 | 59 | 0.75 | | | |
| | Oxford ... | 29.98 | 54 | E | 1 | 0 | 30.13 | +05 | 47 | 46 | -8 | NNE | 2 | bc | 2 | 0 | 58 | 0.31 | | | |
| | Cambridge ... | 30.03 | 55 | SW | 3 | T | 30.15 | +09 | 45 | 45 | -10 | NNW | 2 | bc | 2 | T | 57 | 0.36 | | | |
| | Yarmouth ... | 29.98 | 56 | NNW | 2 | cm | 30.09 | +10 | 53 | 49 | -2 | NNE | 4 | bc | 4 | bc. cm | 60 | 0.01 | | | |
| PENINSULA. | Cuxhaven ... | 29.83 | 50 | NNW | 6 | T | 30.05 | +22 | 43 | 42 | -12 | NNE | 4 | bc | 2 | T | 50 | 0.12 | | | |
| | Berlin ... | 29.77 | 54 | W | 5 | 0 | 29.89 | +07 | 44 | 42 | -12 | NW | 4 | bc | 2 | 0 | 61 | — | | | |
| | Wiesbaden ... | 30.11 | 55 | W | 4 | 0 | 30.04 | -20 | 54 | 51 | -2 | NW | 1 | 0 | 2 | 0 | 59 | 0.49 | | | |
| | Munich ... | 30.11 | 55 | W | 4 | 0 | 30.04 | -20 | 52 | 52 | +1 | SW | 6 | T | 2 | 0 | 61 | 0.12 | | | |
| | The Helder ... | 30.11 | 55 | W | 4 | 0 | 30.04 | -20 | 52 | 52 | +1 | SW | 6 | T | 2 | 0 | 61 | 0.12 | | | |
| | Brussels (9 a.m.) | 30.06 | 52 | W | 5 | 0 | 30.06 | -04 | 52 | 51 | -4 | NE | 2 | T | 2 | T | 57 | 0.71 | | | |
| | Cape Gris Nez | 29.98 | 58 | NNW | 5 | 0 | 29.95 | -09 | 53 | 53 | -3 | ESE | 4 | T | 4 | 0 | 59 | 0.30 | | | |
| | Paris ... | 30.12 | 59 | NNW | 2 | 0 | 29.96 | -23 | 57 | 57 | +1 | SE | 3 | 0 | 2 | 0 | 64 | 0.16 | | | |
| | Brest ... | 30.12 | 60 | NNW | 2 | 0 | 30.04 | -17 | 56 | 53 | -2 | NNW | 4 | bc | 2 | 0 | 62 | 0.04 | | | |
| | Lorient ... | 30.12 | 61 | S | 4 | c | 30.04 | -17 | 55 | 53 | -3 | NNW | 4 | bc | 2 | c | 64 | — | | | |
| FRANCE AND BELGIUM. | Rochefort ... | 30.08 | 64 | E | 1 | bc | 29.94 | -23 | 62 | 62 | +9 | WNW | 2 | 0 | 2 | bc | 73 | — | | | |
| | Belfort ... | 30.22 | 58 | N | 1 | bc | 30.16 | -13 | 49 | 48 | -6 | NNW | 1 | bc | 2 | bc | 66 | — | | | |
| | Lyons ... | 30.07 | 61 | 2 | 0 | c | 30.02 | -07 | 53 | 53 | -3 | E | 1 | bc | 2 | bc | 66 | — | | | |
| | Nice ... | 30.13 | 66 | W | 3 | bc | 30.08 | -05 | 63 | 53 | -3 | W | 2 | bc | 2 | bc | 79 | — | | | |
| | Perpignan ... | 30.13 | 68 | NNE | 2 | bc | 30.09 | -10 | 64 | 53 | +7 | S | 2 | c | 2 | bc | 72 | — | | | |
| | Biarritz ... | 30.13 | 68 | NNE | 2 | bc | 30.09 | -10 | 64 | 53 | +7 | S | 2 | c | 2 | bc | 72 | — | | | |
| PENINSULA. | Corunna ... | 30.19 | 74 | N | 3 | bc | 30.22 | +05 | 66 | 56 | 0 | NNE | 4 | bc | 2 | bc | 82 | — | | | |
| | Lisbon ... | 30.19 | 74 | N | 3 | bc | 30.22 | +05 | 66 | 56 | 0 | NNE | 4 | bc | 2 | bc | 82 | — | | | |

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 18th Oct. 1893.

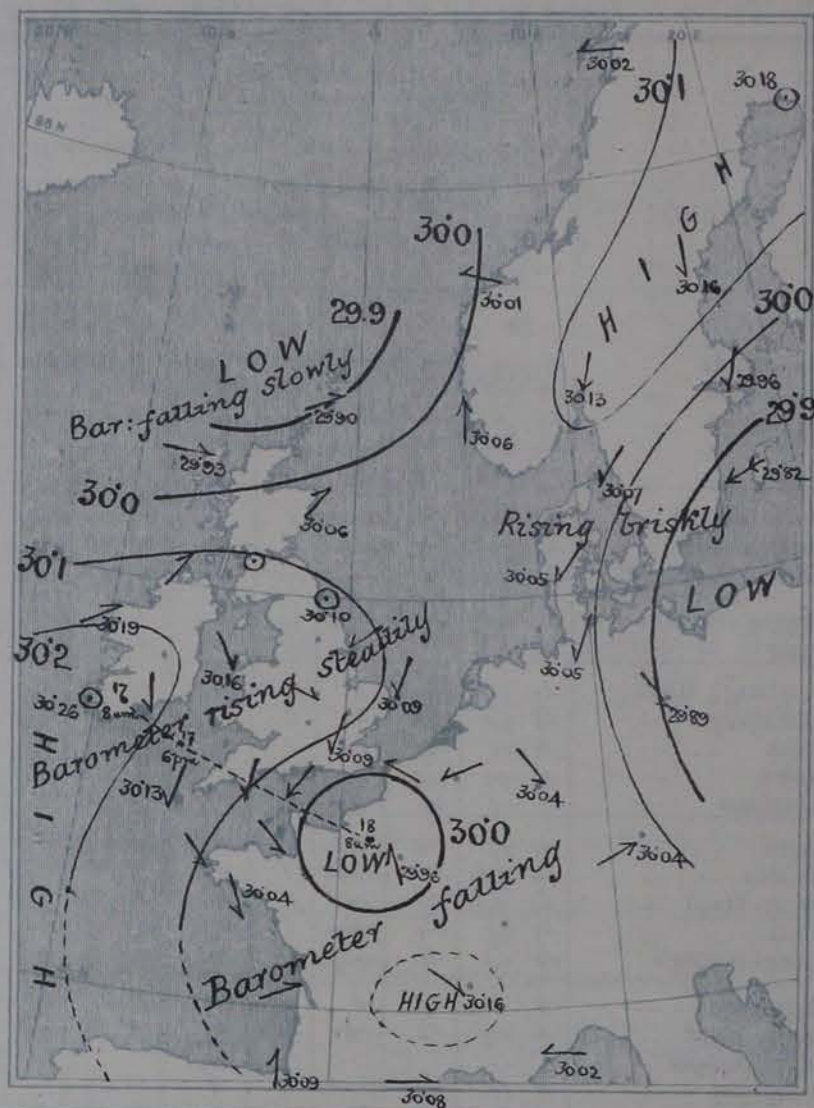
BAROMETER, WIND AND SEA.

EXPLANATION OF MAP

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

MEAN HEIGHT OF THE BAROMETER at 8.0 a.m. for the month of October During the 20 Years 1871—1890.

| STATIONS. | MEAN READINGS. in. |
|---------------|-----------------------|
| Sumburgh Head | 29.726 |
| Stormway | 29.758 |
| Wick | 29.763 |
| Nairn | 29.770 |
| Aberdeen | 29.793 |
| Leith | 29.822 |
| Shields | 29.846 |
| Spurn Head | 29.967 |
| York | 29.882 |
| Loughborough | 29.904 |
| Ardsrossan | 29.831 |
| Mullaghmore | 29.845 |
| Donaghadee | 29.850 |
| Holyhead | 29.872 |
| Liverpool | 29.879 |
| Parsonstown | 29.897 |
| Valencia | 29.896 |
| Rocha's Point | 29.892 |
| Penbrooke | 29.888 |
| Scilly | 29.910 |
| Prawle Point | 29.931 |
| Jersey | 29.925 |
| Hurst Castle | 29.922 |
| Dover | 29.916 |
| LONDON | 29.923 |
| Oxford | 29.924 |
| Cambridge | 29.912 |
| Yarmouth | 29.894 |



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.

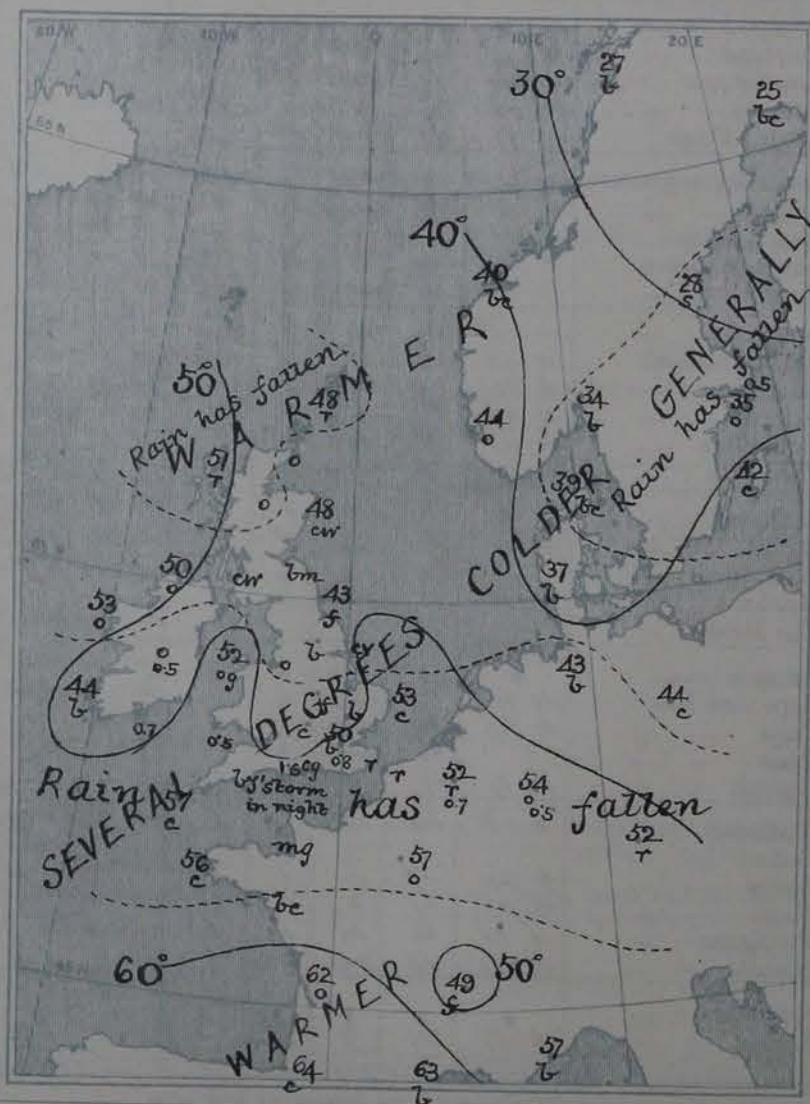
WEATHER—is shown by letters of the Beaufort Scale.

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 October.)

| STATIONS. | TEMPERATURE. | | | | RAINFALL (Inches.) |
|----------------|---------------|---------------|-------------------|------|-----------------------|
| | Daily Max. | Daily Min. | at 8 a.m. Dry. | Wet. | |
| Sumburgh Head. | 49.8 | 41.6 | 40.0 | 44.3 | 4.27 |
| Stormway. | 51.0 | 40.5 | 45.6 | 44.5 | 5.04 |
| Wick. | 51.7 | 40.5 | 46.3 | 44.6 | 3.02 |
| Nairn. | 51.9 | 40.8 | 44.8 | 42.9 | 2.38 |
| Aberdeen. | 52.5 | 41.4 | 45.6 | 43.6 | 2.87 |
| Leith. | 54.7 | 41.8 | 46.7 | 44.9 | 1.97 |
| Shields. | 53.2 | 42.7 | 47.2 | 45.4 | 2.48 |
| Spurn Head. | 53.3 | 45.7 | 48.8 | 47.3 | 2.27 |
| York. | 54.5 | 41.4 | 45.9 | 44.5 | 2.60 |
| Loughborough. | 55.7 | 41.1 | 45.9 | 44.6 | 2.80 |
| Ardsrossan. | 53.7 | 43.7 | 47.8 | 45.8 | 3.87 |
| Mullaghmore. | 54.2 | 45.7 | 49.1 | 46.9 | 4.75 |
| Donaghadee. | 53.6 | 43.6 | 47.8 | 46.6 | 3.14 |
| Holyhead. | 54.7 | 47.3 | 50.3 | 48.3 | 4.31 |
| Liverpool. | 53.8 | 44.7 | 47.8 | 45.8 | 3.40 |
| Parsonstown. | 54.8 | 41.0 | 46.2 | 44.5 | 3.16 |
| Valencia. | 56.6 | 46.8 | 51.4 | 49.2 | 5.88 |
| Rocha's Point. | 50.0 | 46.1 | 50.2 | 48.3 | 4.09 |
| Penbrooke. | 54.9 | 48.0 | 51.2 | 49.2 | 3.96 |
| Scilly. | 56.6 | 50.2 | 53.7 | 51.6 | 3.70 |
| Prawle Point. | 56.7 | 46.2 | 51.2 | 49.6 | 3.60 |
| Jersey. | 58.2 | 48.6 | 53.3 | 50.7 | 4.45 |
| Hurst Castle. | 57.1 | 45.8 | 50.8 | 49.2 | 3.26 |
| Dover. | 56.1 | 46.2 | 50.2 | 48.2 | 3.22 |
| LONDON. | 56.7 | 42.7 | 47.5 | 45.9 | 2.57 |
| Oxford. | 55.5 | 42.2 | 46.2 | 44.9 | 2.56 |
| Cambridge. | 56.5 | 41.0 | 46.4 | 45.3 | 2.27 |
| Yarmouth. | 54.3 | 44.6 | 49.0 | 47.6 | 2.92 |

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 30.1 ins: over Spain, the Bay of Biscay, Ireland, and England, 30.1 ins: and more over Sweden.
 Lowest, About 29.8 ins: over the southern part of the Baltic, rather below 30.0 ins: in a shallow secondary depression over the north of France, and about 29.9 ins: off the north of Scotland.
 Gradient, slight to moderate - favourable for NE³ breezes at our southern stations and W³ to SW³ in the far north.
 Barometer rising in the south, falling in the north.

TEMPERATURE

Highest, 66° at Lubeck, 64° at Biarritz, 63° at Perpignan, 58° at Jersey, 57° at Paris and Kelly.
 Lowest, 25° to 28° over Lapland and the north of Sweden, 35° at Stockholm, 40° at York, 43° at Loughborough.
 The maxima recorded in our Islands yesterday exceeded 60° at our extreme southern stations only; that at Paris was 64°, at Biarritz 72°, Perpignan 79°, and Lubeck 82°.

WIND

1. Light from W. and SW. on our most northern coasts, strong S³ at Skudesnaes; moderate E³ over the northern half of Norway.
 2. Moderate to fresh from NE and E. over the southern half of England; Moderate NW³ over Brittany, but S³ at Paris.
 It was very variable over our southern counties and the Channel during the night.

WEATHER

1. Squally and rainy over the southeast of England and eastern part of the Channel, fair over England and Ireland as a whole.
 2. Dull in Scotland, rainy in the Shetlands and Hebrides, fine and bright over the northern parts of Norway. Snow is falling at Hamö and.
 Heavy rain has fallen over our southern counties and the north of France. A thunderstorm occurred at Hurst Castle at 1.30 am.

SEA

Moderate in the Channel, slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

A temporary interval of fine bright weather is likely to occur over England today, but the new low pressure system in the far north will probably spread southwards steadily and cause showery weather over our northern and northwestern districts.

FORECASTS

For the 24 hours ending at NOON on 19th OCTOBER, 1893.

DISTRICTS.

FORECASTS.

DISTRICTS.

FORECASTS.

0 SCOTLAND
NORTH

SW² to NW² winds; changeable, showery.

6 SCOTLAND
WEST

Same as No 1.

1 SCOTLAND
EAST

SW² and W² breezes; changeable, showery, milder.

7 ENGLAND
N.W.

Same as No 2.

2 ENGLAND
N.E.

Wind backing to NW and W.; fair as a whole then unsettled.

8 ENGLAND
S.W.

Same as No 5.

3 ENGLAND
EAST

Same as No 5

9 IRELAND
NORTH

SW² winds, freshening, showery.

4 MIDLAND
COUNTIES

Same as No 2.

10 IRELAND
SOUTH



Same as No 2.

5 ENGLAND
SOUTH

NE² winds, moderate; some showers; then light; fine and cold at night, foggy 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. Direc. | F. | WEA. | SEA. | | BAR. | | THER. | | WIND. Direc. | F. | WEA. | SEA. |
|-------------------|-------|-------|------|-----------------|----|------|------|--------------------|-------|----|-------|------|-----------------|----|------|------|
| | | Dry. | Wet. | | | | | | | | Dry. | Wet. | | | | |
| Skudesnaes ... | 29.74 | 50 | 44 | NNW | 4 | b | 2 | Valencia ... | 30.02 | 54 | 50 | NW | 4 | o | 3 | |
| Sumburgh Head ... | 29.90 | 45 | 43 | N | 1 | c | 3 | Seilly ... | 29.90 | 53 | 50 | S | 4 | o | 3 | |
| Stornoway ... | 29.95 | 33 | 47 | E | 2 | bc | 3 | Jersey ... | 30.12 | 62 | 59 | ENE | 3 | c | 3 | |
| Aberdeen ... | 29.95 | 52 | 48 | NW | 2 | bc | 2 | Hurst Castle ... | 30.08 | 60 | 58 | WSW | 6 | c | 4 | |
| Shields ... | 29.96 | 59 | 53 | NNW | 2 | o | 2 | Dungeness ... | 30.01 | 60 | 59 | NNW | 5 | o | 4 | |
| Ardrossan ... | 29.98 | 54 | 51 | WSW | 3 | c | 2 | North Foreland ... | 30.01 | 59 | 57 | NNW | 2 | 7 | 1 | |
| Malin Head ... | 30.00 | 53 | 51 | NW | 2 | of | 1 | London ... | 30.04 | 59 | 57 | WSW | 1 | o | 3 | |
| Mullaghmore ... | | | | | | | | Yarmouth ... | 29.99 | 58 | 52 | NW | 3 | bc | 3 | |
| Belmullet ... | 30.06 | 53 | 51 | NNW | 2 | bc | 3 | Rochefort ... | 30.14 | 70 | 66 | WSW | 1 | b | 3 | |
| Holyhead ... | 30.01 | 55 | 51 | 2 | 0 | of | | | | | | | | | | |

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

Weather dull in most parts of the United Kingdom with rain at all our southwestern stations, as well as at Oxford. Fine and bright in the west of Norway and also in the west of France and most parts of southern Europe, cloudy in all other parts of the Continent, with rain at Stockholm and Skagen, and snow at Kuopio and Helsingfors. Sky clearing later at some of our northern stations, but heavy rain falling in the south and southwest, the largest amounts being 1.6 in. at Hurst Castle and 0.8 in. in London. Thunder and lightning occurring at Hurst Castle at night.

Temperature risen at the Baltic stations as well as in Spain, the south of France and the north of Italy, fallen elsewhere. Morning readings highest 73° at Conna and Algiers, 72° at Barcelona, and 71° at Palermo and Malta, above 60° over southern Europe generally, as well as at some of the Channel stations. Lowest 29° at Haparanda and Uleaborg, 30° at Rode and Helsingfors, and 31° at Kuopio, below 40° over the northern and central parts of Russia and Scandinavia generally. Rising during day to between 60° and 65° at our southern and southwestern coasts, as well as at Leth, exceeding 70° over the southern part of France, and reaching at Lisbon.

Wind variable on our southwest coasts, but moderate from the SW² over the Channel and north of France, and from the W² or NW² in all the more northern and eastern parts of the United Kingdom. Moderate to strong from the W² in Denmark and Germany E² or NE² over Scandinavia and northern Russia. Light and variable over the greater part of southern and eastern Europe. Subsequently shifting to the N² over Ireland and the north of England, but falling calm in the north of Scotland.

Barometer highest 30.2 in. to 30.3 in. in two separate areas lying respectively over Spain and over France and South Germany; 30.0 in. and upwards in the north of Scandinavia. Lowest 29.5 in. and less, in a depression over the Baltic. Small disturbances forming later near the mouth of the St. George Channel and moving slowly in an east-southeasterly direction across the southwest of England, barometer falling rather decidedly at some of our southern stations.

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, 19th OCTOBER. 1893

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 3). | Weather. | SHADE TEMP. | | Amount of Rainfall. | | |
| | | | | Force (0 to 12). | | | | Dry Bulb. | Wet Bulb. | Change in dry since Yesterday. | Dir. | Force (0 to 12). | | | | Max. | Min. | | | |
| | | Reading at 52° F. and Sea Level. | Dry Bulb. | Dir. | Force (0 to 12). | | Reading at 52° 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 ... | 30.11 | 30 | 2 | 0 | o | 29.95 | -2.2 | 29 | 28 | +4 | SW | 4 | o | * | o | 28 | — | | |
| | Hernösand ... | 30.15 | 21 | 2 | 0 | b | 30.00 | -1.6 | 29 | 28 | +1 | SW | 2 | bc | * | b | 34 | 19 | | |
| | Stockholm ... | 30.16 | 33 | NE | 2 | c | 30.17 | +2.1 | 36 | 35 | +1 | SW | 2 | o | * | c | 41 | 30 | | |
| | Wisby ... | 30.09 | 41 | NNE | 6 | c | 30.21 | +2.9 | 40 | 34 | -2 | NNE | 4 | o | * | c | 45 | 37 | | |
| | Bodö ... | 29.85 | 24 | E | 4 | bc | 29.53 | -4.9 | 37 | 34 | +10 | E | 4 | o | 2 | bc | 32 | 23 | | |
| | Christiansund... | 29.84 | 44 | SE | 4 | T | 29.90 | -1.1 | 46 | 45 | +6 | SW | 2 | T | 4 | T | 46 | 40 | 0.12 | |
| | Skudesnaes ... | 30.10 | 43 | SE | 9 | T | 30.10 | +0.4 | 50 | 48 | +6 | WNW | 2 | o | 3 | a.T | 4 | 43 | — | |
| | Christiania Fjord (Færdar) | 30.18 | 38 | SW | 2 | bc | 30.06 | -0.7 | 44 | 48 | +10 | WNW | 4 | bc | 2 | bc | 2 | 3 | 0.04 | |
| | Skagen (The Scaw) | 30.20 | 38 | 2 | 0 | bc | 30.14 | +0.7 | 43 | 42 | +4 | SW | 2 | o | o | bc | 40 | 34 | — | |
| | Fanö ... | 30.21 | 42 | NE | 1 | c | 30.21 | +1.6 | 51 | 48 | +14 | WNW | 2 | c | * | c | 52 | 37 | — | |
| BRITISH ISLANDS. | Sumburgh Head | 29.92 | 49 | W | 2 | bc | 30.00 | +1.0 | 49 | 47 | +1 | W | 2 | o | 3 | o. bc | 52 | 46 | 0.13 | |
| | Stornoway ... | 30.03 | 51 | WN | 2 | T | 30.15 | +2.2 | 49 | 48 | -2 | 2 | o | bc | 2 | o.T | 54 | 45 | 0.02 | |
| | Wick ... | 30.02 | 50 | SW | 2 | o | 30.12 | +1.5 | 49 | 48 | +3 | WN | 2 | d | 2 | o | 53 | 45 | 0.10 | |
| | Nairn ... | 30.05 | 52 | WNW | 1 | c | 30.16 | +1.5 | 52 | 51 | +5 | SW | 1 | c | 1 | c | 55 | 47 | 0.01 | |
| | Aberdeen ... | 30.10 | 50 | SW | 1 | bc | 30.18 | +1.2 | 52 | 49 | +4 | SW | 2 | c | 1 | c. bc | 55 | 48 | — | |
| | Leith ... | 30.14 | 51 | W | 2 | c | 30.22 | +1.4 | 53 | 51 | +10 | WNW | 2 | om | * | c | 58 | 41 | — | |
| | Shields ... | 30.17 | 52 | W | 2 | c | 30.25 | +1.5 | 52 | 50 | +9 | WNW | 2 | c | 2 | f.c | 55 | 42 | — | |
| | Spurn Head ... | 30.21 | 53 | SW | 2 | o | 30.29 | +1.6 | 50 | 48 | -1 | W | 2 | bc | 3 | c.o | 57 | 48 | — | |
| | York ... | 30.22 | 53 | W | 2 | bc | 30.30 | +1.5 | 49 | 48 | +9 | W | 1 | b | * | bc | 57 | 39 | — | |
| | Loughborough | 30.27 | 49 | W | 1 | c | 30.38 | +2.1 | 59 | 59 | -4 | 2 | o | c.fw | * | c | 60 | 37 | — | |
| GERMANY & HOLLAND. | Ardrossan ... | 30.18 | 54 | WNW | 2 | op | 30.26 | +1.5 | 54 | 52 | +10 | WNW | 1 | c | 2 | o.op | 56 | 43 | 0.01 | |
| | Malin Head ... | 30.18 | 53 | W | 4 | odf | 30.26 | +1.6 | 51 | 50 | +1 | SW | 4 | op | 2 | o.odf | 56 | 51 | 0.06 | |
| | Mullaghmore ... | 30.25 | 53 | W | 2 | op | 30.31 | +1.2 | 52 | 51 | -1 | SW | 2 | o | * | o.op | 56 | 51 | 0.02 | |
| | Behmullet ... | 30.25 | 53 | WNW | 2 | c | 30.32 | +1.7 | 49 | 48 | +1 | WNW | 2 | bc | 1 | c | 57 | 48 | — | |
| | Donaghadee ... | 30.23 | 53 | WNW | 2 | c | 30.32 | +1.7 | 49 | 48 | +1 | WNW | 2 | bc | 1 | c | 57 | 48 | — | |
| | Liverpool (Bidston) | 30.28 | 52 | W | 1 | c | 30.35 | +1.8 | 52 | 50 | +4 | WNW | 2 | o | 2 | c | 54 | 48 | — | |
| | Holyhead ... | 30.26 | 50 | WNW | 2 | c | 30.35 | +1.9 | 53 | 50 | +1 | WNW | 1 | og | 1 | bc.c | 55 | 50 | — | |
| | Parsonstown ... | 30.28 | 53 | SW | 1 | o | 30.36 | +1.5 | 48 | 46 | +6 | SW | 1 | c | * | o | 57 | 41 | — | |
| | Valencia ... | 30.34 | 49 | 2 | 0 | b | 30.35 | +0.9 | 52 | 51 | +9 | SE | 1 | og | 1 | br.b | 57 | 40 | 0.01 | |
| | Roche's Point | 30.31 | 51 | 2 | 0 | b | 30.38 | +1.6 | 52 | 51 | +5 | E | 2 | o | 3 | b | 59 | 45 | — | |
| FRANCE AND BELGIUM. | Pembroke (St. Ann's Hd.) | 30.27 | 53 | NNE | 2 | c | 30.37 | +2.0 | 50 | 49 | -2 | ESE | 1 | cw | 2 | c | 57 | 47 | — | |
| | Scilly ... | 30.26 | 53 | N | 3 | bc | 30.37 | +2.4 | 53 | 51 | -4 | ESE | 1 | b | 0 | c. bc | 58 | 50 | 0.01 | |
| | Prawle Point ... | 30.23 | 58 | NNE | 3 | b | 30.40 | +3.0 | 55 | 51 | +3 | NNE | 1 | b | 0 | b | 60 | 47 | — | |
| | Jersey (St. Aubin's) | 30.22 | 57 | NE | 3 | cm | 30.40 | +4.0 | 52 | 49 | -6 | NNE | 2 | bmw | 2 | og.cgm | 61 | 46 | 0.01 | |
| | Hurst Castle ... | 30.26 | 51 | NE | 2 | b | 30.40 | +3.6 | 47 | 46 | -1 | NE | 1 | mws | 2 | bc.b | 60 | 43 | — | |
| | Dungeness ... | 30.19 | 54 | NE | 2 | b | 30.37 | +4.1 | 46 | 44 | -10 | N | 1 | cm | 1 | c. b | 59 | 39 | — | |
| | North Foreland | 30.21 | 53 | NE | 2 | bq | 30.36 | +3.0 | 48 | 46 | -8 | WNW | 2 | bcf | 2 | bc.bq | 57 | 46 | — | |
| | London ... | 30.26 | 51 | NE | 2 | bm | 30.39 | +3.0 | 43 | 43 | -7 | W | 1 | bm | * | bc.bmw | 58 | 39 | — | |
| | Oxford ... | 30.31 | 46 | N | 1 | b | 30.39 | +2.6 | 47 | 46 | 0 | WNW | 1 | cm | * | b | 59 | 46 | — | |
| | Cambridge ... | 30.27 | 47 | WNW | 1 | b | 30.38 | +2.3 | 45 | 45 | 0 | WNW | 1 | b | * | b | 59 | 41 | — | |
| PENINSULA. | Yarmouth ... | 30.21 | 53 | NE | 4 | bc | 30.32 | +2.3 | 48 | 46 | -5 | W | 2 | bcf | 3 | bc.b | 56 | 43 | — | |
| | Cuxhaven ... | 30.20 | 44 | N | 2 | c | 30.31 | +2.6 | 43 | 42 | 0 | SW | 2 | bc | * | c | 48 | 42 | — | |
| | Berlin ... | 30.17 | 43 | WN | 2 | c | 30.34 | +4.5 | 40 | 38 | -4 | WN | 2 | o | * | c | 54 | 36 | — | |
| | Wiesbaden ... | 30.16 | 44 | NE | 4 | T | 30.36 | +3.2 | 39 | 37 | -15 | NE | 1 | b | * | * | 57 | 37 | — | |
| | Munich ... | 30.16 | 44 | NE | 4 | T | 30.32 | +2.8 | 37 | 36 | -15 | NE | 4 | bc | * | T | 54 | 36 | 0.47 | |
| | The Helder ... | 30.29 | 50 | ESE | 1 | bc | 30.36 | +2.4 | 46 | 45 | -6 | S | 1 | c | 1 | bc | 55 | 43 | — | |
| | Brussels (9 a.m.) | 30.16 | 55 | E | 2 | b | 30.39 | +3.3 | 43 | 43 | -9 | W | 1 | b | * | b | 57 | 37 | — | |
| | Cape Gris Nez | 30.14 | 56 | NNE | 4 | o | 30.38 | +4.2 | 42 | 42 | -15 | NNE | 1 | b | 1 | b | 57 | 50 | — | |
| | Paris ... | 30.14 | 56 | NNE | 4 | o | 30.38 | +4.2 | 42 | 42 | -15 | N | 2 | b | * | o | 66 | 41 | 0.16 | |
| | Brest ... | 30.19 | 59 | N | 4 | o | 30.38 | +3.4 | 42 | 42 | -15 | ESE | 2 | c | 3 | m | 61 | 58 | — | |
| PENINSULA. | Lorient ... | 30.19 | 59 | N | 4 | o | 30.38 | +3.4 | 42 | 42 | -15 | NE | 2 | b | 2 | o | 63 | 58 | — | |
| | Rocheport ... | 30.19 | 62 | WNW | 2 | b | 30.38 | +3.4 | 42 | 42 | -15 | ESE | 2 | o | * | b | 66 | 52 | — | |
| | Belfort ... | 30.19 | 62 | WNW | 2 | b | 30.38 | +3.4 | 42 | 42 | -15 | ESE | 2 | o | * | b | 66 | 52 | — | |
| | Lyons ... | 30.02 | 54 | 2 | 0 | b | 30.21 | +0.5 | 55 | 54 | +6 | N | 2 | o | * | b | 61 | 53 | — | |
| | Nice ... | 29.95 | 60 | 2 | 0 | o | 29.95 | -0.7 | 59 | 57 | +2 | NE | 1 | T | 1 | o | 70 | 59 | — | |
| | Perpignan ... | 29.99 | 58 | WN | 3 | b | 30.16 | +0.8 | 62 | 54 | -1 | WN | 3 | b | * | b | 68 | 59 | — | |
| | Biarritz ... | 30.17 | 65 | W | 5 | o | 30.26 | +1.7 | 63 | 58 | -1 | N | 2 | bc | 2 | o | 73 | 61 | — | |
| | Corunna ... | 30.22 | 75 | WNW | 3 | b | 30.19 | -0.3 | 72 | 59 | +6 | NNE | 4 | b | * | b | 82 | 64 | — | |
| | Lisbon ... | 30.22 | 75 | WNW | 3 | b | 30.19 | -0.3 | 72 | 59 | +6 | NNE | 4 | b | * | b | 82 | 64 | — | |

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, 19th Oct: 1893.

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:

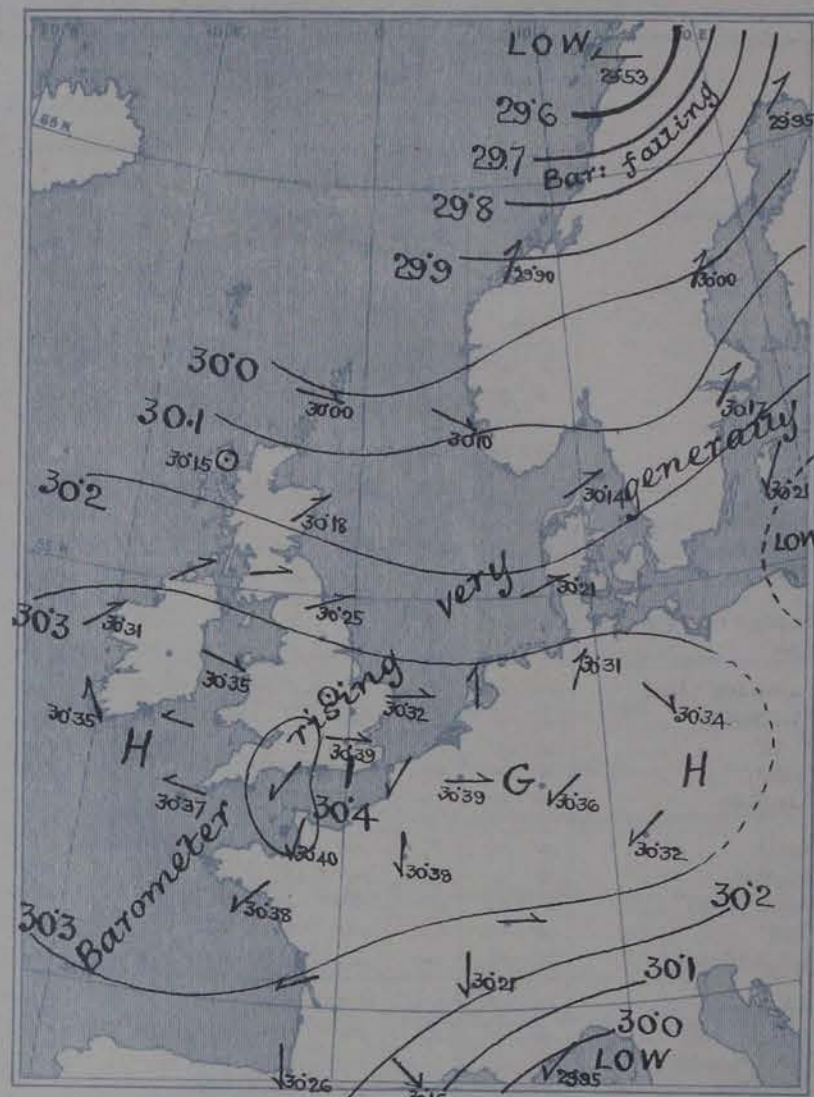
— = Rough. — = High.

MEAN HEIGHT OF THE BAROMETER

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

During the 20 Years 1871—1890.

| STATIONS. | MEAN READINGS. |
|---------------|----------------|
| Sunburgh Head | 29.720 |
| Stornoway | 29.756 |
| Wick | 29.763 |
| Nairn | 29.779 |
| Aberdeen | 29.793 |
| Leith | 29.822 |
| Shields | 29.846 |
| Spurn Head | 29.867 |
| York | 29.882 |
| Loughborough | 29.904 |
| Androssan | 29.831 |
| Mullaghmore | 29.845 |
| Donaghadee | 29.850 |
| Holyhead | 29.872 |
| Liverpool | 29.879 |
| Parsonstown | 29.897 |
| Valencia | 29.896 |
| Roche's Point | 29.892 |
| Pembroke | 29.888 |
| Scilly | 29.910 |
| Prawle Point | 29.931 |
| Jersey | 29.925 |
| Hurst Castle | 29.922 |
| Dover | 29.910 |
| LONDON | 29.923 |
| Oxford | 29.924 |
| Cambridge | 29.912 |
| Yarmouth | 29.894 |



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.4 ins: to 30.2 ins: in an anticyclone covering Ireland, England, France, and the Bay of Biscay.
 Lowest, 29.6 ins: and less, in a depression off the extreme northwest of Norway, and below 30.0 ins: over the Riviera.
 Gradients are very slight except in the extreme north and extreme south.
 Barometer still rising a little over the United Kingdom.

TEMPERATURE

Highest, 72° at Linton, 63° in the southwest of France, 50° to 55° on our own southeastern coast, 52° at Kinn and Aberslem.
 Lowest, 28° at Haparanda and Helsingfors, 36° at Stockholm; (2) 39° at Loughborough, 43° in London.
 The thermometer just touched 60° at Loughborough, Chislehurst, and Fleet Castle yesterday, but not at any of the English stations. At Kinn it reached 70°, at Helsingfors, and at Linton 82°.

WIND

1. SW³ to W³, moderate to light, over the northern parts of the Kingdom and the south of Norway, S³ to E³ over the northern parts of Norway.
 2. E³ to NE³ over the Bay of Biscay, France, and the English Channel, and of little force.
 The NE³ current in the south seems to be dying out.

WEATHER

Dull and rainy at the extreme northern stations, dull at the Irish stations, fine generally elsewhere, but with fog or haze over the southeastern half of England.
 Slight rain has fallen in the extreme north and east, and a considerable quantity at Munich.

SEA

Smooth or nearly so on all our coasts.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The anticyclone appears to be moving eastwards very slowly, but the W³ and SW³ winds in the north and west seem to have very little strength at present.

FORECASTS

For the 24 hours ending at NOON on 20th OCTOBER, 1893.

DISTRICTS.

FORECASTS.

DISTRICTS.

FORECASTS.

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

NW² and W² winds, moderate; fine to showery.
 W² breezes, light; fine generally.
 Varying and W² airs and calms; fine, cold and foggy tonight.

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

Same as No 0

Same as Nos 1 and 2.

Same as No 5.

SW² breezes, light; some rain in west, fine in east.

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. | | | |
| Skudeanaes ... | 30. 18 | 44 | 41 | SE | 0 | 0 | 5 | Valencia ... | 30. 30 | 56 | 53 | NW | 2 | br | 2 |
| Sumburgh Head ... | 29. 86 | 51 | 50 | W | 0 | 0 | 2 | Scilly ... | 30. 22 | 58 | 54 | N | 4 | c | 3 |
| Stornoway ... | 29. 98 | 52 | 53 | NW | 0 | 0 | 3 | Jersey ... | 30. 15 | 60 | 56 | NNE | 4 | o. g. | 3 |
| Aberdeen ... | 30. 06 | 52 | 49 | S | 1 | c | 1 | Hurst Castle ... | 30. 19 | 58 | 52 | NE | 4 | bc | 3 |
| Shields ... | 30. 15 | 54 | 50 | W | 2 | c | 2 | Dungeness ... | 30. 03 | 58 | 53 | ENE | 4 | c | 3 |
| Ardrossan ... | 30. 15 | 54 | 53 | WNW | 2 | o. f. | 2 | North Foreland ... | 30. 16 | 58 | 50 | ENE | 4 | bc | 3 |
| Malin Head ... | 30. 14 | 54 | 52 | W | 4 | o. f. | 2 | London ... | 30. 19 | 57 | 51 | NE | 2 | bc | 3 |
| Mullaghmore ... | | | | | | | | Yarmouth ... | 30. 18 | 58 | 49 | NNE | 4 | bc r | 3 |
| Belmullet ... | 30. 24 | 56 | 53 | W | 2 | 0 | * | Rochefort ... | 29. 99 | 65 | 60 | NW | 4 | b | * |
| Holyhead ... | 30. 24 | 55 | 52 | WN | 2 | bc | 1 | | | | | | | | |

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

Weather in morning fine and bright at many stations in Ireland, England, Spain, and southern Europe, as well as over Lapland, Norway, and Denmark, dull and very unsettled elsewhere, with rain in the extreme north of our Islands, as well as over Belgium and the northeast of France, the northeast of Germany, and the Baltic Provinces. Considerable rain at Munich later and slight falls in the extreme west and north of the British Isles and in some parts of Norway.

Temperatures fallen decidedly over the United Kingdom, Sweden, the Baltic, and Germany. Morning readings ^{highest} 70° to 71° at Rindes, Palermo, and Malta, and above 60° at most stations in southern Europe; exceeding 50° over France and the south and east of the British Isles. Lowest (1) 22° at Archangel, 25° to 28° over Lapland and the northern parts of Sweden and Finland, 32° at Moscow and Rango; (2) 40° at York, and 43° at Leith, Shields, and Loughborough. Touching 60° at a very few of our stations later, 66° at Rochefort, 70° at Nice, 82° at Lisbon.

Wind (1) light and anticyclonic over Ireland and the north and west of England, and light and variable over southern Europe generally; (2) SW over Scotland, S to E on the Norwegian coast; (3) NE to N strong to a gale over the Baltic and North Germany, SW and W over South Germany, and the south of Russia; (4) small cyclonic circulation over the northeast of France and the eastern half of the Channel. Falling light from NE in the southeast of England later, but W air becoming general on our north and northwest coasts.

Barometer highest, 30.2 ins: and more to 30.1 ins: over Northern Africa, the Spanish Peninsula, the Bay of Biscay, Ireland, and the west and north of England; (2) 30.1 ins: and more over Lapland, Sweden, and the northern half of Finland. Lowest 29.4 ins: over Poland and eastern Russia, 29.9 ins: and less, off the extreme north of Scotland, and below 30.0 ins: in a small depression over the northeast of France. The Russian and French disturbances moving southwards later, that in the north moving northwards. Barometer rising in our Islands.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

N.B.—The morning observations are 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, 20th October, 1893

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. | Direc. | 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. | Direc. | Force (0 to 12). | Weather. | Sea (0 to 9). | Weather. | Max. | Min. | Amount of Rainfall. | | | |
| Ins. | ° | | | | Ins. | ° | ° | ° | ° | | | | | | | ° | ins. | | | |
| SCANDINAVIA. | Haparanda ... | 29.74 | 30 | SW | 4 | 0 | 29.60 | -85 | 34 | 33 | + 5 | SW | 2 | C | # | 0 | 43 | 29 | - | |
| | Hernösand ... | 29.91 | 31 | SSW | 2 | 0 | 29.93 | -07 | 40 | 37 | + 11 | SW | 2 | 0 | # | 0 | 41 | 19 | - | |
| | Stockholm ... | 30.04 | 41 | SW | 2 | 0 | 30.05 | -12 | 38 | 37 | + 2 | WSW | 2 | 0 | # | 0 | 41 | 32 | - | |
| | Wisby ... | 30.12 | 42 | W | 6 | 7 | 30.09 | -12 | 44 | 42 | + 4 | WSW | 6 | 0 | # | 1 | 44 | 36 | 0.04 | |
| | Bodö ... | 29.64 | 41 | WSW | 8 | 7 | 29.69 | +16 | 44 | 39 | + 4 | W | 8 | 0 | 5 | 7 | 43 | 37 | 0.24 | |
| | Christiansund... | 30.01 | 47 | SW | 8 | C | 30.13 | +23 | 45 | 44 | - 1 | WSW | 4 | 1 | 5 | C | 48 | 45 | 0.51 | |
| | Skudesnaes ... | 30.20 | 50 | WSW | 3 | 7 | 30.24 | +14 | 44 | 44 | - 6 | WSW | 1 | 0 | 2 | 7 | 50 | 43 | - | |
| | Christiania Fjord (Færd) | 30.04 | 47 | W | 2 | 0 | 30.13 | +07 | 41 | 40 | - 3 | NNE | 2 | 0 | 2 | 0 | 48 | 41 | - | |
| | Skagen (The Scaw) | 30.10 | 49 | WSW | 1 | 6C | 30.13 | -01 | 49 | 46 | + 6 | WSW | 2 | 0 | 0 | 6C | 52 | 41 | - | |
| | Fanö ... | 30.21 | 52 | W | 2 | C | 30.26 | +05 | 50 | 48 | - 1 | WSW | 3 | 0 | # | C | 55 | 48 | - | |
| BRITISH ISLANDS. | Sumburgh Head | 30.14 | 48 | WSW | 2 | 0 | 30.04 | +04 | 50 | 50 | + 1 | S | 1 | 0 | 2 | 6C, 6 | 52 | 44 | 0.01 | |
| | Stornoway ... | 30.18 | 53 | SW | 2 | 0 | 29.97 | -18 | 51 | 51 | + 2 | SW | 7 | 1 | 0 | 6 | 57 | 45 | 0.14 | |
| | Wick ... | 30.22 | 51 | S | 2 | 0 | 30.03 | -09 | 50 | 49 | + 1 | S | 3 | 1 | 3 | 0 | 55 | 48 | 0.03 | |
| | Nairn ... | 30.22 | 53 | W | 0 | C | 30.07 | -09 | 51 | 51 | - 1 | W | 0 | 0 | 1 | C | 57 | 45 | - | |
| | Aberdeen ... | 30.27 | 49 | WSW | 1 | C | 30.13 | -05 | 50 | 47 | - 2 | S | 3 | 0 | 1 | 6C, C | 58 | 48 | - | |
| | Leith ... | 30.28 | 53 | SW | 1 | 0 | 30.20 | -02 | 52 | 47 | - 1 | SW | 2 | 0 | # | 0 | 59 | 50 | - | |
| | Shields ... | 30.30 | 54 | W | 3 | 0 | 30.28 | +03 | 47 | 45 | - 5 | SW | 2 | 0 | 2 | 6C, m | 59 | 42 | - | |
| | Spurn Head ... | 30.33 | 54 | W | 3 | 0 | 30.35 | +06 | 51 | 49 | + 1 | SSW | 2 | 0 | 2 | 6C, 0m | 56 | 49 | - | |
| | York ... | 30.34 | 52 | W | 1 | C | 30.33 | +03 | 50 | 47 | + 1 | SSW | 1 | 0 | # | C | 60 | 47 | - | |
| | Loughborough | 30.39 | 51 | WSW | 1 | 0 | 30.39 | +01 | 45 | 45 | + 6 | ESE | 1 | 0 | # | 0 | 57 | 38 | - | |
| GERMANY & HOLLAND. | Ardrossan ... | 30.29 | 54 | S | 2 | 0 | 30.19 | -07 | 53 | 52 | - 1 | S | 3 | 0 | 3 | C, 0 | 57 | 51 | - | |
| | Malin Head ... | 30.27 | 52 | S | 2 | 0 | 30.03 | -23 | 53 | 51 | + 2 | S | 6 | 0 | 3 | 0 | 55 | 49 | 0.01 | |
| | Mullaghmore ... | 30.25 | 54 | S | 2 | 0 | 30.08 | -23 | 57 | 56 | + 5 | SW | 5 | 0 | # | 0 | 57 | 51 | - | |
| | Belmullet ... | 30.33 | 52 | SW | 2 | C | 30.21 | -11 | 53 | 52 | + 4 | SSW | 3 | 0 | 1 | C | 53 | 48 | - | |
| | Donaghadee ... | 30.38 | 53 | WSW | 1 | 0 | 30.32 | -03 | 48 | 47 | - 4 | SSW | 2 | 0 | 1 | 0 | 55 | 46 | - | |
| | Holyhead ... | 30.36 | 52 | W | 0 | 0 | 30.27 | -08 | 57 | 54 | + 4 | SSW | 4 | 0 | 3 | 0 | 60 | 51 | - | |
| | Parsonstown ... | 30.32 | 52 | SE | 1 | 0 | 30.19 | -17 | 55 | 53 | + 7 | SE | 1 | 0 | # | C, 0 | 56 | 47 | - | |
| | Valencia ... | 30.27 | 57 | SE | 5 | 0 | 30.21 | -14 | 59 | 58 | + 6 | SSW | 5 | 0 | # | 0 | 59 | 52 | - | |
| | Roche's Point | 30.34 | 55 | SE | 3 | 0 | 30.29 | -09 | 54 | 50 | + 6 | S | 4 | 0 | 3 | 0 | 58 | 51 | - | |
| | Pembroke (St. Ann's Hd.) | 30.36 | 54 | SSW | 2 | C | 30.32 | -05 | 56 | 55 | + 6 | SW | 4 | 0 | 4 | C | 56 | 49 | - | |
| FRANCE AND BELGIUM. | Scilly ... | 30.35 | 55 | SE | 2 | 0 | 30.32 | -05 | 57 | 55 | + 4 | S | 4 | 0 | 2 | 0 | 61 | 51 | - | |
| | Prawle Point ... | 30.41 | 53 | ESE | 1 | 0 | 30.39 | -01 | 56 | 55 | + 1 | SSW | 2 | 0 | 1 | 0 | 59 | 51 | - | |
| | Jersey (St. Aubin's) | 30.40 | 55 | ESE | 1 | 0 | 30.42 | +02 | 52 | 50 | 0 | SSW | 1 | 0 | 1 | 6C, 6m | 61 | 45 | - | |
| | Hurst Castle ... | 30.40 | 55 | WSW | 1 | 0 | 30.42 | +02 | 50 | 49 | + 3 | NE | 1 | 0 | 0 | 6m | 61 | 43 | 0.01 | |
| | Dungeness ... | 30.37 | 53 | WSW | 1 | 0 | 30.40 | +03 | 42 | 41 | - 6 | NNE | 1 | 0 | 0 | 6C, 6C | 59 | 40 | - | |
| | North Foreland | 30.38 | 54 | WSW | 1 | 0 | 30.41 | +05 | 51 | 49 | + 3 | W | 1 | 0 | 2 | 6C, 0m | 57 | 47 | - | |
| | London ... | 30.39 | 47 | W | 0 | 0 | 30.41 | +02 | 49 | 48 | + 6 | SSW | 1 | 0 | # | 6C, 6m | 58 | 42 | - | |
| | Oxford ... | 30.41 | 51 | WSW | 1 | 0 | 30.42 | +03 | 39 | 39 | - 8 | S | 1 | 0 | # | 6C, f | 60 | 38 | - | |
| | Cambridge ... | 30.39 | 53 | WSW | 1 | 0 | 30.41 | +03 | 48 | 47 | + 3 | WSW | 1 | 0 | # | 0 | 61 | 44 | - | |
| | Yarmouth ... | 30.34 | 55 | W | 2 | 0 | 30.37 | +05 | 52 | 48 | + 4 | W | 1 | 0 | 2 | 6C, m | 58 | 46 | - | |
| PENINSULA. | Cuxhaven ... | 30.32 | 47 | WSW | 3 | 0 | 30.35 | +04 | 45 | 44 | + 2 | WSW | 2 | 0 | # | 6C | 52 | 43 | 0.06 | |
| | Berlin ... | 30.37 | 43 | W | 0 | 0 | 30.30 | -04 | 46 | 45 | + 6 | W | 3 | 0 | # | 0 | 48 | 40 | 0.04 | |
| | Wiesbaden ... | 30.42 | 37 | W | 2 | 0 | 30.43 | +07 | 41 | 40 | + 2 | E | 1 | 0 | # | # | 50 | 39 | - | |
| | Munich ... | 30.42 | 37 | SW | 2 | 0 | 30.44 | +12 | 34 | 34 | - 3 | SE | 3 | 0 | # | 0 | 48 | 30 | - | |
| | The Helder ... | 30.38 | 65 | WSW | 2 | C | 30.42 | +06 | 55 | 53 | + 9 | WSW | 1 | 0 | 1 | C | 55 | 45 | - | |
| | Brussels (9 a.m.) | 30.35 | 55 | W | 1 | 0 | 30.44 | +05 | 48 | 47 | + 5 | SSW | 1 | 0 | # | C | 57 | 43 | - | |
| | Cape Gris Nez | 30.41 | 48 | NE | 2 | 0 | 30.36 | +05 | 51 | ? | - 1 | S | 1 | 0 | 1 | 0 | 57 | 46 | - | |
| | Paris ... | 30.41 | 58 | NE | 1 | 0 | 30.43 | +05 | 38 | 38 | - 4 | NE | 1 | 0 | # | 0 | 59 | 38 | - | |
| | Brest ... | 30.37 | 55 | W | 0 | 0 | 30.38 | -00 | 53 | 51 | + 1 | ESE | 2 | 0 | 3 | 0 | 64 | 50 | - | |
| | Lorient ... | 30.37 | 55 | W | 0 | 0 | 30.38 | -00 | 51 | 50 | - 1 | ESE | 3 | 0 | 2 | 0 | 64 | 50 | - | |
| FRANCE AND BELGIUM. | Rochefort ... | 30.17 | 64 | ESE | 2 | 0 | 30.26 | ? | 47 | 46 | - 7 | E | 2 | 0 | # | 0 | 63 | 45 | - | |
| | Belfort ... | 30.30 | 54 | E | 2 | 0 | 30.33 | +12 | 47 | 41 | - 3 | E | 2 | 0 | # | 0 | 53 | 33 | - | |
| | Lyons ... | 30.05 | 61 | E | 1 | 0 | 30.13 | +18 | 54 | 53 | - 5 | E | 1 | 0 | # | 0 | 60 | 44 | - | |
| | Nice ... | 30.17 | 63 | W | 5 | 0 | 30.17 | +01 | 38 | 52 | - 4 | W | 3 | 0 | # | 0 | 70 | 55 | - | |
| | Perpignan ... | 30.25 | 62 | NNE | 3 | C | 30.25 | -01 | 53 | 51 | - 10 | NE | 2 | 0 | # | C | 68 | 50 | - | |
| | Corunna ... | 30.10 | 73 | N | 4 | 0 | 30.10 | -09 | 64 | 55 | - 8 | NNE | 4 | 0 | # | 0 | 86 | 63 | - | |
| | Lisbon ... | 30.10 | 73 | N | 4 | 0 | 30.10 | -09 | 64 | 55 | - 8 | NNE | 4 | 0 | # | 0 | 86 | 63 | - | |

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, 20th Oct^r 1893.

BAROMETER, WIND AND SEA.

EXPLANATION OF MAP

BAROMETRE—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.
C = dead calm.

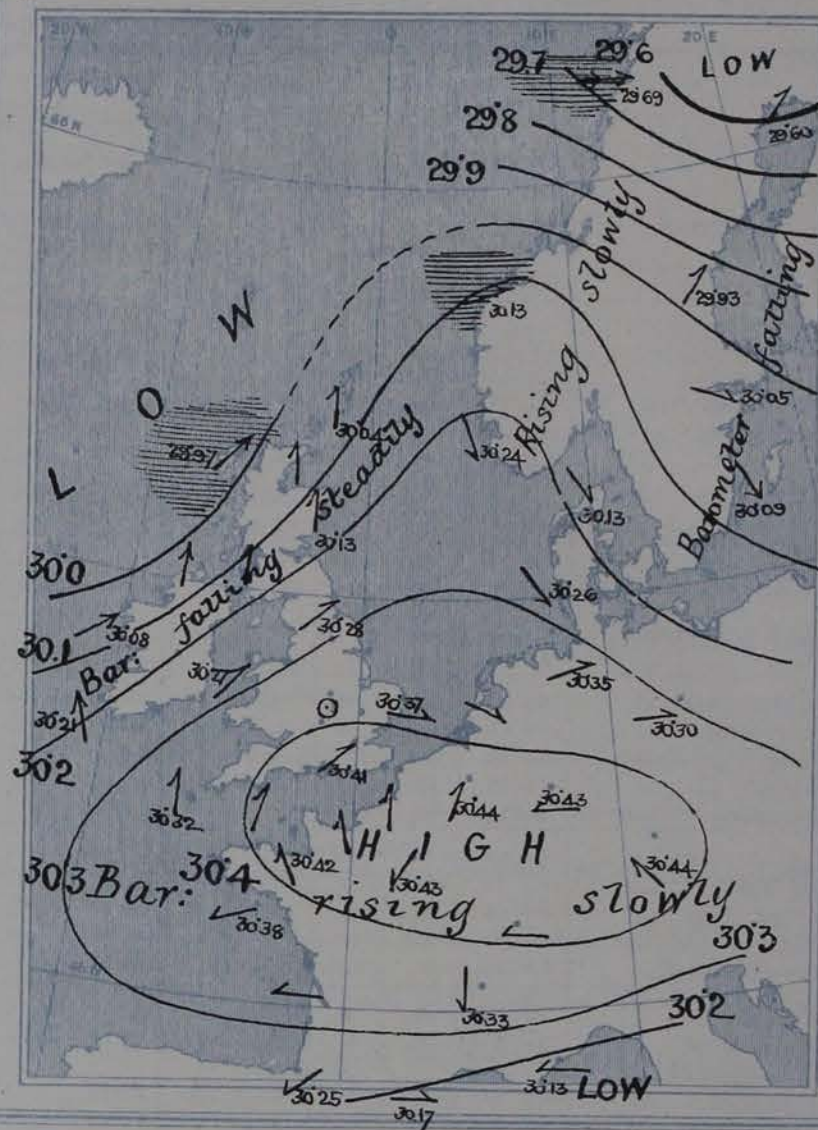
SEA DISTURBANCE—Where considerable, is shown thus:

— = Rough. — = High.

MEAN HEIGHT OF THE BAROMETER

at 8.0 a.m. for the month of October
During the 20 Years 1871–1890.

| STATIONS. | MEAN READINGS. |
|---------------|----------------|
| Sumburgh Head | 29.726 |
| Stornoway | 29.750 |
| Wick | 29.763 |
| Nairn | 29.779 |
| Aberdeen | 29.793 |
| Leith | 29.822 |
| Shields | 29.846 |
| Spurn Head | 29.867 |
| York | 29.882 |
| Loughborough | 29.904 |
| Ardrossan | 29.931 |
| Mullaghmore | 29.945 |
| Donaghadee | 29.950 |
| Holyhead | 29.972 |
| Liverpool | 29.979 |
| Parsonstown | 29.997 |
| Valencia | 29.998 |
| Roche's Point | 29.992 |
| Pembroke | 29.988 |
| Scilly | 29.910 |
| Prawle Point | 29.931 |
| Jersey | 29.925 |
| Hurst Castle | 29.922 |
| Dover | 29.916 |
| LONDON | 29.923 |
| Oxford | 29.924 |
| Cambridge | 29.912 |
| Yarmouth | 29.894 |



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 October.)

| STATIONS. | TEMPERATURE. | | | | RAINFALL (Inches.) |
|----------------|---------------|---------------|-----------|------|-----------------------|
| | Daily Max. | Daily Min. | at 8 a.m. | | |
| | | | Dry | Wet. | |
| Sumburgh Head. | 49.8 | 41.6 | 40.0 | 44.3 | 4.27 |
| Stornoway | 51.0 | 40.5 | 45.6 | 44.5 | 5.04 |
| Wick | 51.7 | 40.3 | 46.3 | 44.6 | 3.02 |
| Nairn | 51.0 | 40.8 | 44.8 | 42.0 | 2.38 |
| Aberdeen | 52.5 | 41.4 | 45.6 | 43.6 | 2.87 |
| Leith | 54.7 | 41.8 | 46.7 | 44.0 | 1.97 |
| Shields | 53.2 | 42.7 | 47.2 | 45.4 | 2.48 |
| Spurn Head. | 53.3 | 45.7 | 48.8 | 47.3 | 2.27 |
| York | 54.5 | 41.4 | 45.9 | 44.5 | 2.60 |
| Loughborough | 55.7 | 41.1 | 45.9 | 44.0 | 2.80 |
| Ardrossan | 53.7 | 43.7 | 47.5 | 45.8 | 3.87 |
| Mullaghmore | 54.2 | 45.7 | 49.1 | 46.0 | 4.75 |
| Donaghadee | 53.6 | 43.8 | 47.8 | 46.0 | 3.14 |
| Holyhead | 54.7 | 47.3 | 50.2 | 48.3 | 4.21 |
| Liverpool | 53.8 | 44.7 | 47.8 | 45.8 | 3.36 |
| Parsonstown | 54.8 | 41.0 | 46.2 | 44.5 | 3.16 |
| Valencia | 50.6 | 46.8 | 51.4 | 49.2 | 5.88 |
| Roche's Point | 50.0 | 46.1 | 50.2 | 48.3 | 4.09 |
| Pembroke | 54.9 | 48.0 | 51.2 | 49.2 | 3.96 |
| Scilly | 56.6 | 50.2 | 53.7 | 51.6 | 3.70 |
| Prawle Point | 56.7 | 46.2 | 51.2 | 49.6 | 3.60 |
| Jersey | 58.2 | 48.0 | 53.3 | 50.7 | 4.45 |
| Hurst Castle | 57.1 | 45.8 | 50.8 | 49.2 | 3.26 |
| Dover | 56.1 | 46.2 | 50.2 | 48.2 | 3.22 |
| LONDON | 56.7 | 42.7 | 47.5 | 45.0 | 2.57 |
| Oxford | 55.5 | 42.2 | 48.2 | 44.9 | 2.56 |
| Cambridge | 56.5 | 41.0 | 46.4 | 45.3 | 2.27 |
| Yarmouth | 54.3 | 44.6 | 49.0 | 47.0 | 2.92 |

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 portion of the North Sea, England, and Ireland.
Lowest, 29.6 in: and less, over Lapland; and below 30.0 in: off our extreme northwest coasts.

Gradients slight in the south and east, moderate over our northwestern districts, rather steep over the northern parts of Scandinavia.

Barometer falling rather decidedly in the northwest, but rising very slightly in the southeast. [The decided fall reported at Lally last evening was an error on part of observer]

TEMPERATURE

Highest, 64° at Lisbon, 59° at Valencia (Ireland) 57° at Belmullet and Lally.

Lowest, 34° at Hafnarfjörður; (2) 38° at Paris, 41° at Wiesbaden; (3) 39° at Oxford, 42° at Dumfries.

It has risen several degrees over Ireland and the rise is spreading eastwards. The maxima recorded yesterday slightly exceeded 60° in several parts of our Islands; the night was rather cold inland.

WIND

Light from the E^{se} over France and the Bay of Biscay; light and variable from the S^{se} over the Channel and south of England; S^{se} and SW^{se} on our other coasts — and blowing strongly at Malin Head and Hornsøya.

The NE^{se} breeze recently felt in the Channel seems to have given away entirely.

WEATHER

Fine and bright over France, cloudy over England, with fog in places; dull and gloomy on our western and northern coasts, with rain at Hornsøya and Malin Head.

Rain has fallen in Norway, the Shetlands, Orkneys, and north of Scotland, and some showers over Germany.

SEA

Rough at Hornsøya and Hornsøya, moderate at Valencia, slight to very smooth as a whole.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The new depression in the northwest does not seem likely to spread to our south or east coasts.

Fine mild weather is likely to prevail over England during the coming day.

FORECASTS

For the 24 hours ending at NOON on 21st OCT^r 1893.

DISTRICTS.

FORECASTS.

- | | | |
|---|------------------|--|
| 0 | SCOTLAND NORTH | SW ^{se} winds, strong; squally, rain at times. |
| 1 | SCOTLAND EAST | |
| 2 | ENGLAND N.E. | SW ^{se} winds, freshening; some showers |
| 3 | ENGLAND EAST | |
| 4 | MIDLAND COUNTIES | S ^{se} breezes, light; fair as a whole, milder. |
| 5 | ENGLAND SOUTH | |

DISTRICTS.

FORECASTS.

- | | | |
|----|---------------|---|
| 6 | SCOTLAND WEST | Same as No. 0. |
| 7 | ENGLAND N.W. | |
| 8 | ENGLAND S.W. | S ^{se} winds, increasing in force; rainy, unsettled. |
| 9 | IRELAND NORTH | |
| 10 | IRELAND SOUTH | SW ^{se} and S ^{se} winds, strong; squally, rain at times. |
| | | |

WARNINGS

To districts 8, 9, and 10 yesterday afternoon or evening "Hoist South Cone"; and this morning to district 8 "Lower Cone" and by S. to N.W.

Note.—The South Cone, point downwards (↓), 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 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 Southward (from S.W. round by S. to N.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. | Dirac. | | | | | | Dry. | Wet. | Dirac. | | | |
| Skudesnaes ... | 30.12 | 50 | 49 | W | 2 | 1 | 3 | Valencia ... | 30.32 | 58 | 55 | SE | 3 | om | 3 |
| Sumburgh Head ... | 30.08 | 51 | 48 | ndw | 3 | 6c | 3 | Scilly ... | 30.32 | 60 | 57 | SE | 3 | bc | 0 |
| Stornoway ... | 30.17 | 57 | 50 | SW | 3 | 6 | 2 | Jersey ... | 30.41 | 61 | 56 | SE | 2 | bc | 2 |
| Aberdeen ... | 30.22 | 58 | 50 | W | 2 | 6c | 1 | Hurst Castle ... | 30.40 | 60 | 56 | W | 2 | bm | 2 |
| Shields ... | 30.27 | 58 | 53 | W | 4 | bc | 2 | Dungeness ... | 30.36 | 57 | 52 | W | 1 | b | 1 |
| Ardrossan ... | 30.28 | 55 | 53 | WSW | 2 | c | 2 | North Foreland ... | 30.38 | 57 | 51 | WNW | 2 | bc | 2 |
| Malin Head ... | 30.28 | 53 | 51 | SSW | 4 | 0 | 2 | London (Westminster) ... | 30.39 | 59 | 58 | W | 1 | bc | 3 |
| Mullaghmore ... | | | | | | | | Yarmouth ... | 30.32 | 58 | 51 | W | 3 | bc | 3 |
| Behnallet ... | 30.30 | 55 | 50 | SSW | 2 | u | * | Rocheport ... | 30.25 | 63 | 53 | SE | 3 | b | * |
| Holyhead ... | 30.36 | 58 | 55 | SE | 3 | om | 3 | | | | | | | | |

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

Weather in morning fine and bright over the greater part of southern Europe, Austria, and France, as well as at several stations over England and on the shores of the Baltic, cloudy or overcast and unsettled elsewhere, with showers in the northern part of Ireland and Scotland, and the west of Norway, rain and snow over the southern parts of Russia, and slight rain at Kiev. A little rain later at our extreme northern and northern stations, a considerable fall in the north of Norway, and small quantities in some parts of North Germany; remaining fine over England and France.

Temperature fallen decidedly over Central and southern Europe, moderately over England, risen over Ireland, Scotland and Norway. Morning readings highest 60° to 74° over the extreme southern countries, and exceeding 50° on the Atlantic coasts of France and the British Isles. Lowest 27° to 31° over northern Europe, 32° at Riga, 37° at Kiev, and 38° at Moscow; 39° at Loughborough, 42° at Paris. Rising to slightly above 60° in many parts of our Islands later, to 72° at Kiev, and to 86° at Lisbon.

Winds light and anticyclonic over France, England, the North Sea and Germany; W¹ and SW¹ in the north of our Island SSW¹ at Christianund and at Haparanda, and E¹ at Riga; N¹ over the Baltic Provinces, W¹ over Hungary and the south of Russia, SW¹ at Kharkov. Other slight cyclonic circulations observed over the Gulf of Genoa and the north of the Adriatic. Freshening from SE and S. in the west of Ireland later, little change elsewhere.

Barometer highest 30.4 ins. to 30.1 ins. in a large anticyclone covering nearly the whole of Western Europe. Lowest about 29.5 ins. in a depression having its centre off the northwest of Norway and another over the southern half of Russia; and about 29.9 ins. in two small systems, one near Paris the other between Corica and the Riviera. Falling somewhat in the west of Ireland later and the fall spreading northward.

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 October,

1893

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. Reading at 32° F. and Sea Level. | Change since Yester- day Morn. | SHADE TEMP. | | Change in dry since Yesterday. | WIND. | | Sea (0 to 9). | Weather. | SHADE TEMP. | | Amount of Rainfall. | | | |
| | | | | Dirac. | Force (0 to 12). | | | | Dry Bulb. | Wet Bulb. | | Dirac. | Force (0 to 12). | | | Max. | Min. | | | | |
| | | Inch. | ° | | | | Inch. | | | | | | | | | | | Inch. | | | |
| SCANDINAVIA. | Haparanda ... | 29.75 | 32 | Z | 0 | b | 29.93 | + .33 | 28 | 25 | - 6 | Z | 0 | bc | # | b | 41 | ? | - | | |
| | Hernösand ... | 29.97 | 40 | W | 4 | b | 29.97 | + .04 | 32 | 31 | - 8 | Z | 0 | bc | # | b | 46 | 30 | - | | |
| | Stockholm ... | 30.08 | 40 | W | 2 | b | 30.03 | - .02 | 38 | 37 | 0 | Z | 0 | c | # | b | 46 | 36 | - | | |
| | Wisby ... | 30.11 | 47 | SE | 2 | r | 30.08 | - .01 | 42 | 42 | - 2 | WSW | 2 | b | # | o | 46 | 39 | - | | |
| | Bodö ... | 29.91 | 42 | W | 6 | o | 29.63 | - .06 | 39 | 39 | - 2 | ESE | 5 | r | 3 | o | 43 | 36 | 0.16 | | |
| | Christiansund... | 29.93 | 47 | SE | 2 | r | 29.75 | - .38 | 50 | 48 | + 5 | SSE | 1 | o | 5 | r | 50 | 45 | 0.16 | | |
| | Skudesnaes ... | 30.08 | 52 | SSW | 2 | r | 29.93 | - .31 | 51 | 51 | + 7 | SSE | 6 | f | 4 | r | 52 | 44 | - | | |
| | Christiania Fjord (Fæder) | 30.10 | 48 | SSW | 2 | o | 29.96 | - .17 | 47 | 46 | + 6 | SSW | 2 | c | 2 | o | 48 | 41 | - | | |
| | Skagen (The Scaw) | 30.11 | 50 | WSW | 1 | c | 30.02 | - .11 | 50 | 49 | + 1 | WSW | 2 | m | 0 | c | 52 | 46 | - | | |
| | Fanø ... | 30.21 | 53 | WSW | 2 | r | 30.10 | - .16 | 54 | 53 | + 4 | W | 3 | o | # | r | 55 | 50 | 0.24 | | |
| BRITISH ISLANDS. | Sumburgh Head | 29.86 | 51 | SW | 2 | r | 29.65 | - .39 | 54 | 54 | + 4 | W | 3 | o | 3 | r | 54 | 49 | 0.30 | | |
| | Stornoway ... | 29.91 | 54 | SW | 4 | o | 29.71 | - .26 | 56 | 56 | + 5 | SW | 4 | r | 4 | o, r | 56 | 50 | 0.25 | | |
| | Wick ... | 29.94 | 55 | SW | 1 | o | 29.76 | - .27 | 57 | 56 | + 7 | SW | 2 | c | 2 | o | 60 | 48 | 0.20 | | |
| | Nairn ... | 29.95 | 58 | WSW | 3 | c | 29.78 | - .29 | 60 | 57 | + 9 | SW | 2 | c | 1 | c | 62 | 48 | 0.11 | | |
| | Aberdeen ... | 30.01 | 53 | S | 2 | c | 29.85 | - .28 | 59 | 56 | + 9 | SSW | 3 | c | 2 | o, r, c | 59 | 48 | 0.35 | | |
| | Leith ... | 30.09 | 57 | Z | 0 | o | 29.95 | - .25 | 60 | 57 | + 8 | SW | 4 | om | # | o | 61 | 50 | - | | |
| | Shields ... | 30.14 | 57 | SSW | 3 | o | 30.03 | - .25 | 59 | 56 | + 12 | SSW | 4 | c | 2 | r, o | 60 | 46 | 0.01 | | |
| | Spurn Head ... | 30.25 | 55 | SSW | 2 | og | 30.14 | - .21 | 56 | 53 | + 5 | WSW | 3 | og | 3 | o | 58 | 50 | - | | |
| | York ... | 30.24 | 56 | SSW | 1 | o | 30.14 | - .19 | 51 | 50 | + 1 | SW | 1 | c | # | o | 58 | 49 | 0.03 | | |
| | Loughborough | 30.30 | 56 | WSW | 2 | c | 30.22 | - .17 | 57 | 53 | + 12 | SW | 1 | om | # | o | 60 | 45 | - | | |
| GERMANY & HOLLAND. | Ardrossan ... | 30.09 | 56 | S | 2 | om | 29.96 | - .23 | 56 | 56 | + 3 | SW | 4 | o | 3 | om | 58 | 52 | 0.01 | | |
| | Malin Head ... | 29.99 | 59 | S | 4 | o | 29.90 | - .13 | 58 | 56 | + 5 | S | 5 | og | 2 | o | 60 | 53 | - | | |
| | Mullaghmore ... | | | | | | | | | | | | | | | | | | | | |
| | Belmullet ... | 30.11 | 58 | SW | 6 | om | 29.96 | - .12 | 58 | 57 | + 1 | SW | 4 | o | # | om | 58 | 56 | 0.03 | | |
| | Donaghadee ... | 30.14 | 57 | SW | 5 | c | 30.02 | - .19 | 59 | 57 | + 6 | SSW | 4 | c | 2 | c | 59 | 52 | - | | |
| | Liverpool (Bldston) | 30.26 | 55 | S | 1 | c | 30.16 | - .16 | 60 | 55 | + 12 | SSW | 5 | c | 4 | c | 61 | 48 | - | | |
| | Holyhead ... | 30.22 | 58 | SSW | 5 | o | 30.17 | - .10 | 58 | 57 | + 1 | SSW | 5 | gm | 4 | og | 58 | 56 | - | | |
| | Parsonstown ... | 30.14 | 60 | SE | 1 | c | 30.09 | - .10 | 60 | 58 | + 5 | S | 1 | c | # | c | 65 | 54 | - | | |
| | Valencia ... | 30.16 | 61 | SSE | 4 | cm | 30.13 | - .08 | 58 | 58 | - 1 | S | 3 | r, f | 3 | c | 62 | 57 | 0.01 | | |
| | Roche's Point | 30.24 | 58 | S | 4 | m | 30.20 | - .09 | 58 | 56 | 0 | SSW | 4 | m | 4 | m | 59 | 57 | - | | |
| FRANCE AND BELGIUM. | Pembroke (St. Ann's Hd.) | 30.30 | 57 | SSW | 5 | o | 30.23 | - .09 | 57 | 56 | + 1 | SW | 4 | bc | 4 | o | 58 | 55 | - | | |
| | Scilly ... | 30.32 | 57 | S | 3 | c | 30.28 | - .04 | 57 | 56 | 0 | S | 3 | b | 3 | c | 60 | 55 | - | | |
| | Prawle Point ... | 30.38 | 55 | SSW | 2 | bc | 30.32 | - .07 | 56 | 55 | 0 | WSW | 2 | c | 1 | bc | 59 | 54 | - | | |
| | Jersey (St. Aubin's) | 30.38 | 55 | Z | 0 | bm | 30.37 | - .05 | 58 | 51 | + 1 | Z | 0 | bmw | 0 | bm | 61 | 47 | - | | |
| | Hurst Castle ... | 30.38 | 56 | SW | 3 | om | 30.32 | - .10 | 59 | 57 | + 9 | SW | 3 | bw | 1 | om | 60 | 50 | - | | |
| | Dungeness ... | 30.37 | 57 | WSW | 3 | c | 30.28 | - .12 | 58 | 56 | + 16 | WSW | 3 | c | 2 | bc, cm | 61 | 41 | - | | |
| | North Foreland | 30.38 | 53 | SW | 2 | b | 30.27 | - .14 | 56 | 53 | + 5 | WSW | 3 | c | 2 | b | 58 | 50 | - | | |
| | London ... | 30.37 | 54 | SW | 3 | bm | 30.29 | - .12 | 55 | 52 | + 6 | SW | 2 | c | # | o, bc, c | 60 | 47 | - | | |
| | Oxford ... | 30.34 | 53 | SSW | 2 | o | 30.28 | - .14 | 54 | 51 | + 15 | SSW | 2 | c | # | c | 60 | 39 | - | | |
| | Cambridge ... | 30.33 | 54 | S | 3 | c | 30.26 | - .15 | 53 | 51 | + 5 | SSE | 3 | bc | # | c | 61 | 46 | - | | |
| PENINSULA. | Yarmouth ... | 30.32 | 53 | WSW | 2 | b | 30.20 | - .17 | 54 | 52 | + 2 | WSW | 3 | cm | 3 | bc, b | 58 | 50 | - | | |
| | Cuxhaven ... | 30.38 | 51 | W | 2 | bc | 30.24 | - .11 | 52 | 51 | + 7 | WSW | 3 | f | # | bc | 56 | 45 | 0.04 | | |
| | Berlin ... | 30.34 | 57 | W | 3 | b | 30.28 | - .02 | 49 | 48 | + 3 | W | 3 | o | # | b | 52 | 46 | 0.04 | | |
| | Wiesbaden ... | | # | # | # | # | 30.41 | - .02 | 42 | 41 | + 1 | Z | 0 | o | # | # | 54 | 37 | - | | |
| | Munich ... | 30.45 | 37 | SE | 2 | b | 30.43 | - .01 | 32 | 32 | - 2 | W | 4 | b | # | b | 48 | 28 | - | | |
| | The Helder ... | 30.38 | 54 | SW | 2 | b | 30.25 | - .17 | 56 | 54 | + 1 | SW | 4 | c | 3 | b | 56 | 54 | 0.28 | | |
| | Brussels (s.m.) | * | * | * | * | * | 30.37 | - .07 | 48 | 46 | 0 | SW | 2 | bc | # | c | 59 | 44 | - | | |
| | Cape Gris Nez | ? | 55 | W | 1 | m | 30.28 | - .08 | 56 | 56 | + 5 | W | 3 | o | 2 | m | 57 | 48 | - | | |
| | Paris ... | 30.42 | 48 | NE | 2 | b | 30.41 | - .02 | 36 | 36 | - 2 | WSW | 1 | b | # | b | 59 | 36 | - | | |
| | Brest ... | ? | 59 | SSW | 1 | bc | ? | ? | 54 | 51 | + 1 | SE | 3 | bc | 2 | bc | 64 | 50 | - | | |
| PENINSULA. | Lorient ... | 30.36 | 57 | Z | 0 | b | 30.34 | - .04 | 50 | 48 | - 1 | E | 4 | b | 2 | b | 64 | 48 | - | | |
| | Rochefort ... | ? | 56 | E | 3 | b | ? | ? | 47 | 46 | 0 | EHE | 3 | b | # | b | 68 | 45 | - | | |
| | Belfort ... | | | | | | | | | | | | | | | | | | | | |
| | Lyons ... | 30.35 | 51 | N | 1 | b | 30.41 | + .08 | 41 | 39 | 0 | W | 1 | b | # | b | 57 | 38 | - | | |
| | Nice ... | 30.20 | 58 | Z | 0 | b | 30.26 | + .13 | 32 | 46 | - 2 | E | 2 | b | 2 | b | 68 | 48 | - | | |
| PENINSULA. | Perpignan ... | 30.27 | 59 | Z | 0 | b | 30.33 | + .16 | 47 | 44 | - 11 | SW | 2 | b | # | b | 75 | 44 | - | | |
| | Biarritz ... | 30.25 | 59 | WSW | 1 | b | 30.24 | - .01 | 53 | 51 | 0 | ESE | 3 | b | # | b | 66 | 50 | - | | |
| PENINSULA. | Corunna ... | * | * | * | * | * | | | | | | | | | | | | | | | |
| | Lisbon ... | 30.09 | 69 | WSW | 2 | b | 30.18 | + .08 | 59 | 56 | - 5 | WNE | 4 | b | # | # | 81 | 55 | - | | |

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, 21st Oct. 1893.

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 6 to 7; → = forces 1 to 5.
○ = dead calm.

SEA DISTURBANCE—When considerable, is shown thus—

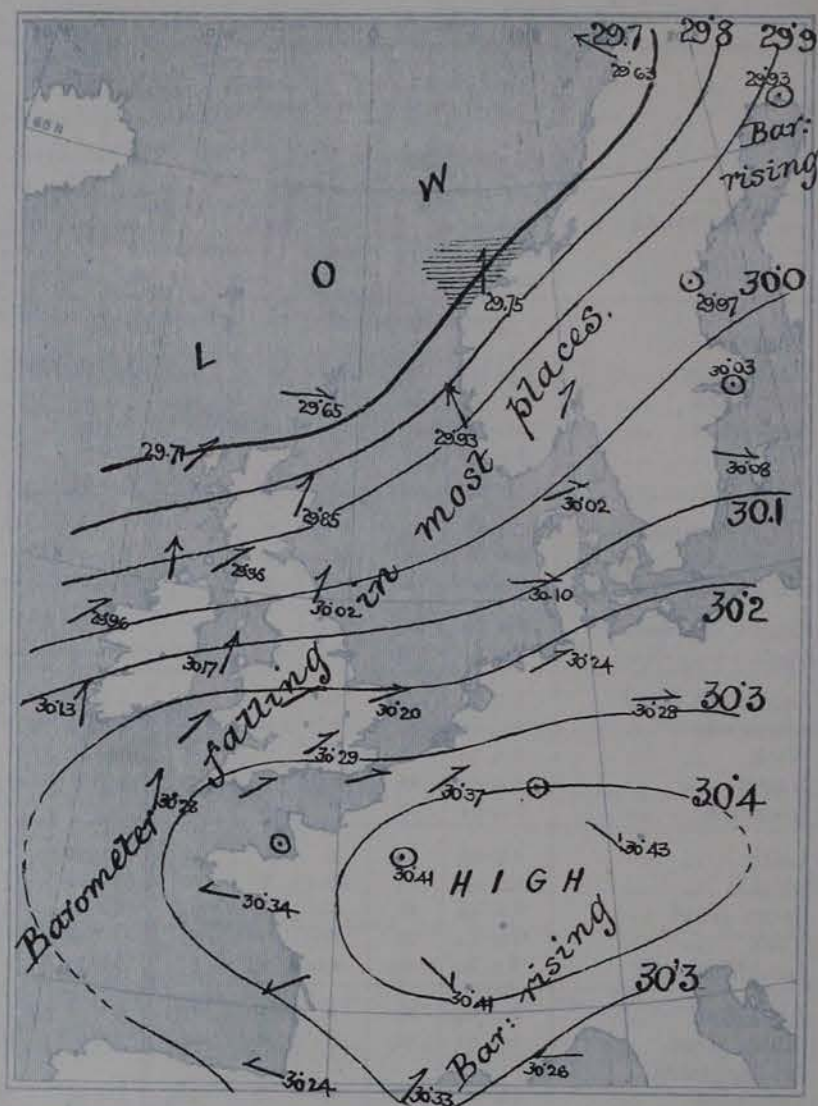
≡ = Rough. ≡ = High.

MEAN HEIGHT OF THE BAROMETER

at 8.9 a.m. for the month of October.

During the 20 Years 1871—1890.

| STATIONS. | MEAN READINGS. |
|---------------|----------------|
| Sumburgh Head | 29.726 |
| Stornoway | 29.750 |
| Wick | 29.763 |
| Nairn | 29.779 |
| Aberdeen | 29.793 |
| Leith | 29.822 |
| Shields | 29.846 |
| Spurn Head | 29.867 |
| York | 29.882 |
| Loughborough | 29.904 |
| Ardrossan | 29.831 |
| Mullaghmore | 29.845 |
| Donaghadee | 29.850 |
| Holyhead | 29.872 |
| Liverpool | 29.879 |
| Parsonstown | 29.897 |
| Valencia | 29.896 |
| Roche's Point | 29.892 |
| Pembroke | 29.888 |
| Scilly | 29.910 |
| Prawle Point | 29.931 |
| Jersey | 29.925 |
| Hurst Castle | 29.922 |
| Dover | 29.916 |
| LONDON | 29.928 |
| Oxford | 29.924 |
| Cambridge | 29.912 |
| Yarmouth | 29.894 |



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.

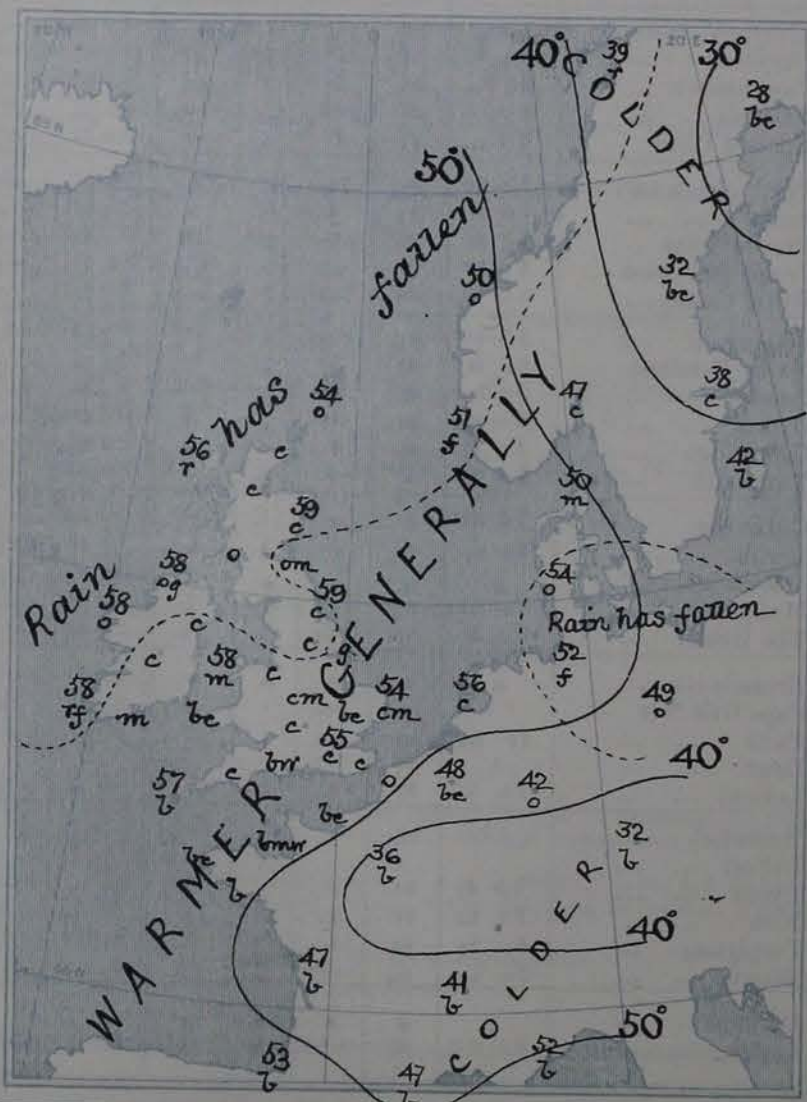
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL

(For the month of October.)

| STATIONS. | TEMPERATURE. | | | | RAINFALL (inches.) |
|---------------|---------------|---------------|------|------|-----------------------|
| | Daily Max. | Daily Min. | Dry. | Wet. | |
| Sumburgh Head | 49.8 | 41.6 | 40.0 | 44.3 | 4.27 |
| Stornoway | 51.0 | 40.5 | 45.0 | 44.5 | 5.04 |
| Wick | 51.7 | 40.5 | 46.3 | 44.0 | 3.02 |
| Nairn | 51.0 | 40.8 | 44.8 | 42.9 | 2.38 |
| Aberdeen | 52.5 | 41.4 | 45.0 | 43.6 | 2.87 |
| Leith | 54.7 | 41.8 | 46.7 | 44.9 | 1.07 |
| Shields | 53.2 | 42.7 | 47.2 | 45.4 | 2.48 |
| Spurn Head | 53.3 | 45.7 | 48.8 | 47.3 | 2.27 |
| York | 54.5 | 41.4 | 45.9 | 44.5 | 2.60 |
| Loughborough | 55.7 | 41.1 | 45.0 | 44.6 | 2.80 |
| Ardrossan | 53.7 | 39.7 | 47.8 | 45.8 | 3.87 |
| Mullaghmore | 54.2 | 45.7 | 49.1 | 46.0 | 4.75 |
| Donaghadee | 53.6 | 42.6 | 47.8 | 46.0 | 3.14 |
| Holyhead | 54.7 | 47.3 | 50.3 | 48.3 | 4.31 |
| Liverpool | 53.8 | 44.7 | 47.8 | 45.8 | 3.46 |
| Parsonstown | 54.8 | 41.0 | 46.2 | 44.5 | 3.18 |
| Valencia | 56.6 | 40.8 | 51.4 | 49.2 | 5.88 |
| Roche's Point | 56.0 | 46.1 | 50.2 | 48.3 | 4.00 |
| Pembroke | 54.9 | 48.0 | 51.2 | 49.2 | 3.96 |
| Scilly | 56.6 | 50.2 | 53.7 | 51.0 | 3.70 |
| Prawle Point | 56.7 | 46.2 | 51.2 | 49.0 | 4.45 |
| Jersey | 58.2 | 48.6 | 53.9 | 50.7 | 3.26 |
| Hurst Castle | 57.1 | 45.8 | 50.8 | 49.2 | 3.22 |
| Dover | 56.1 | 46.2 | 50.2 | 48.2 | 2.57 |
| LONDON | 56.7 | 42.7 | 47.5 | 45.8 | 2.58 |
| Oxford | 55.5 | 42.2 | 46.2 | 44.9 | 2.27 |
| Cambridge | 56.5 | 41.0 | 46.4 | 45.3 | 2.27 |
| Yarmouth | 54.3 | 44.6 | 49.0 | 47.6 | 2.92 |

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



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.4 ins. and more to 30.1 ins. in an anticyclone which still covers France, Germany, and the southern part of the North Sea and British Isles.
Lowest, 29.7 ins. and less, in a large depression lying to the northward of Scotland.

Gradients uniformly moderate for SW winds over our Islands.

Barometer still falling in most places — but very slightly in the southwest.

TEMPERATURE

Highest, 60° at Harir, Leith, Liverpool, and Portsmouth, 59° at Aberdeen, Thirld, and Donaghadee.

Lowest, (1) 28° at Haparanda, 32° at Hemöand; (2) 32° at Munich, 41° at Lyons, 42° at Wiesbaden.

In our Islands the readings are above 50° at all stations.

WIND

S¹ and SW¹ throughout the United Kingdom, light to moderate at the English stations, fresh in the west and north.

Light W¹ over Germany, light E¹ over the Bay of Biscay, SE¹ in the coast of Norway.

WEATHER

Fine and bright over France and Sweden, cloudy or overcast elsewhere, with rain at some of our western and northwestern stations.

Some rain has fallen at most of the Scotch stations, and little in some parts of Ireland.

SEA

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

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The anticyclone is moving southeasterwards slowly, but the depressions which reach our northwestern and northern coasts are not deep at present. Warning signals have been lowered.

FORECASTS

For the 24 hours ending at NOON on 22nd OCTOBER, 1893.

DISTRICTS.

FORECASTS.

| | | |
|---|------------------|---|
| 0 | SCOTLAND NORTH | SW ² winds, fresh; showery. |
| 1 | SCOTLAND EAST | SW ² winds, moderate; some showers. |
| 2 | ENGLAND N.E. | |
| 3 | ENGLAND EAST | SW ² winds, light; fair as a whole, but slight showers not unlikely. |
| 4 | MIDLAND COUNTIES | |
| 5 | ENGLAND SOUTH | |

DISTRICTS.

FORECASTS.

| | | |
|----------|---------------|--|
| 6 | SCOTLAND WEST | Same as No 0 |
| 7 | ENGLAND N.W. | |
| 8 | ENGLAND S.W. | S ² and SW ² winds, moderate or fresh; some showers. |
| 9 | IRELAND NORTH | SW ² and S ² winds, strong; squally, some showers. |
| 10 | IRELAND SOUTH | |
| WARNINGS | | Signals all lowered this morning. |

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

YESTERDAY'S 2 P.M. REPORTS.

| | BAR. | THER. | | WIND. | F. | WEA. | SEA. | | BAR. | THER. | | WIND. | F. | WEA. | SEA. |
|-------------------|-------|-------|------|--------|----|-------|------|----------------------|-------|-------|------|--------|----|-------|------|
| | | Dry. | Wet. | Dirac. | | | | | | Dry. | Wet. | Dirac. | | | |
| Skudesnaes ... | 30.19 | 50 | 48 | S | 2 | 0 | 2 | Valencia ... | 30.19 | 62 | 60 | SSE | 4 | 0 q m | 4 |
| Sumburgh Head ... | 29.90 | 50 | 50 | S | 2 | 1 | 2 | Scilly ... | 30.31 | 59 | 57 | S | 4 | c | 2 |
| Stornoway ... | 29.91 | 54 | 54 | SW | 4 | 1 | 5 | Jersey ... | 30.41 | 59 | 54 | SE | 2 | 0 | 2 |
| Aberdeen ... | 30.05 | 50 | 49 | S | 2 | 0 q r | 2 | Hurst Castle ... | 30.40 | 57 | 54 | SW | 3 | 0 | 1 |
| Shields ... | 30.17 | 55 | 52 | SSW | 3 | 1 | 2 | Dungeness ... | 30.39 | 61 | 55 | SW | 1 | 0 c | 1 |
| Ardrossan ... | 30.11 | 56 | 55 | S | 2 | 0 | 2 | North Foreland ... | 30.39 | 58 | 52 | S | 2 | 0 | 2 |
| Malin Head ... | 30.04 | 59 | 57 | S | 4 | 0 | 2 | London (preliminary) | 30.38 | 61 | 54 | W | 1 | 0 c | * |
| Mullaghmore ... | | | | | | | | Yarmouth ... | 30.38 | 58 | 52 | WSW | 2 | 0 c | 2 |
| Bahmullet ... | 30.07 | 57 | 57 | SSW | 5 | 0 | * | Rochefort ... | 30.25 | 64 | 59 | E | 8 | 0 | * |
| Holyhead ... | 30.24 | 58 | 56 | SSW | 4 | 0 q | 3 | | | | | | | | |

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

Weather in morning fine and bright over the Mediterranean and southern Europe, and the greater part of France and Denmark; fair over the British Islands as a whole, but dull in the west and north and in Norway, and raining at some stations. Rain falling at Riga also, snow at Moscow. Further falls of rain in Scotland and the west of Norway, and slight showers in some parts of Germany and Ireland.

Temperature exceeding 70° at Malta only; exceeding 60° at many of the most southern stations, and touching 59° at Lerna, Cape Sicily, and Valencia (Ireland). Lowest 25° at Moscow, 28° at St. Petersburg, 29° at Archangel, and 30° at Arkharov; 34° at Munich, 37° at Vienna, 38° at Paris; 39° at Oxford, 42° at Dungeness. Rising quickly over England and France later, and exceeding 60° at many of our own stations and over the southern part of France.

Wind light and anticyclone over Central Europe; fresh from between NE. and N. over the Mediterranean, light E¹ over the Bay of Biscay; moderate to strong from S. on our own western coasts, W¹ over northern Europe, NW² over the Baltic. Very little change reported later.

Barometer highest 30.4 ins. and more to 30.1 ins. in a large anticyclone covering nearly the whole of Europe. Lowest 29.6 ins. and less, in a depression over Lapland; 30.0 ins. and less, off our extreme northwest coasts, and also in a shallow depression covering Malta, Sicily, and the south of Italy. Falling throughout our Islands during day, and anticyclone moving slowly to the southeastward.

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 22nd OCT^r

1893

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 ... | 29.76 | 35 | S | 4 | bc | 29.36 | - .57 | 38 | 38 | + | 10 | S | 4 | r | # | bc | 51 | 25 | 0.04 | |
| | Hernösand ... | 29.72 | 40 | S | 4 | bc | 29.57 | - .40 | 46 | 45 | + | 12 | S | 6 | r | # | bc | 45 | 30 | 0.51 | |
| | Stockholm ... | 29.91 | 46 | S | 2 | o | 29.47 | - .56 | 51 | 50 | + | 13 | SW | 4 | r | # | o | 20 | 34 | — | |
| | Wisby ... | 30.03 | 48 | SSE | 4 | bc | 29.69 | - .39 | 52 | 51 | + | 10 | SW | 6 | o | # | bc | ? | 42 | — | |
| | Bodö ... | 29.37 | 48 | SE | 4 | r | 29.32 | - .31 | 42 | 40 | + | 3 | WSW | 4 | r | 2 | r | 48 | 39 | — | |
| | Christiansund... | 29.52 | 50 | WNW | 6 | r | 29.51 | - .24 | 45 | 42 | — | 5 | SW | 7 | c | 5 | r | 54 | 43 | 0.75 | |
| | Skudesnaes ... | 29.73 | 54 | WSW | 6 | o | 29.87 | - .06 | 50 | 44 | — | 1 | W | 6 | o | 3 | rfo | 54 | 43 | — | |
| | Christiania Fjord (Færder) | 29.78 | 50 | SSW | 4 | f | 29.73 | - .23 | 50 | 44 | + | 3 | WNW | 5 | b | 3 | f | 50 | ? | — | |
| | Skagen (The Scaw) | 29.84 | 54 | W | 2 | f | 29.82 | - .20 | 49 | 45 | — | 1 | W | 5 | b | 2 | f | 55 | 48 | 0.12 | |
| | Fanö ... | 29.98 | 55 | SW | 4 | c | 30.02 | - .08 | 51 | 47 | — | 3 | NW | 4 | bc | # | c | 59 | 50 | — | |
| BRITISH ISLANDS. | Sumburgh Head | 29.69 | 45 | WNW | 3 | r | 29.60 | - .05 | 48 | 46 | — | 6 | WNW | 5 | o | 6 | or | 55 | 40 | 0.35 | |
| | Stornoway ... | 29.88 | 48 | W | 3 | bc | 29.85 | + | 48 | 47 | — | 8 | W | 5 | bc | 5 | r, bc | 56 | 46 | 0.46 | |
| | Wick ... | 29.83 | 45 | NW | 3 | b | 29.80 | + | 48 | 47 | — | 9 | W | 3 | c | 3 | b | 58 | 40 | 0.22 | |
| | Nairn ... | 29.89 | 47 | WNW | 1 | p | 29.87 | + | 50 | 48 | — | 10 | SW | 2 | cp | 1 | p | 62 | 42 | 0.42 | |
| | Aberdeen ... | 29.84 | 48 | WNW | 7 | o | 29.96 | + | 49 | 48 | — | 10 | S | 3 | b | 3 | cp, o | 61 | 40 | 0.15 | |
| | Leith ... | 29.86 | 56 | SW | 4 | r | 30.05 | + | 50 | 48 | — | 10 | WSW | 3 | bc | # | r | 63 | 44 | 0.01 | |
| | Shields ... | 29.94 | 60 | SW | 5 | c | 30.15 | + | 43 | 41 | — | 16 | SW | 2 | b | 2 | c | 65 | 39 | 0.03 | |
| | Spurn Head ... | 30.05 | 61 | SW | 4 | o | 30.19 | + | 48 | 45 | — | 8 | NW | 3 | b | 3 | o | 63 | 47 | 0.01 | |
| | York ... | 30.06 | 62 | SE | 2 | o | 30.22 | + | 44 | 42 | — | 7 | NNW | 1 | b | # | o | 67 | 40 | — | |
| | Loughborough | 30.15 | 59 | SW | 1 | c | 30.23 | + | 50 | 49 | — | 7 | NE | 1 | ogm | # | c | 68 | 49 | 0.11 | |
| GERMANY & HOLLAND. | Ardrossan ... | 29.97 | 56 | W | 5 | o | 30.10 | + | 52 | 50 | — | 4 | WSW | 5 | cp | 4 | o | 57 | 48 | 0.03 | |
| | Malin Head ... | 30.06 | 47 | NW | 6 | o | 30.11 | + | 52 | 47 | — | 6 | W | 5 | o | 3 | o | 59 | 47 | 0.12 | |
| | Mullaghmore... | 30.08 | 48 | NW | 4 | bc | 30.25 | + | 53 | 48 | — | 5 | W | 5 | c | # | r, bc | 58 | 46 | 0.18 | |
| | Belmullet ... | 30.05 | 51 | WNW | 5 | r | 30.22 | + | 42 | 41 | — | 7 | W | 4 | b | 2 | r | 63 | 39 | 0.08 | |
| | Doraghadee ... | 30.05 | 51 | WNW | 5 | r | 30.22 | + | 42 | 41 | — | 7 | W | 4 | b | 2 | r | 63 | 39 | 0.08 | |
| | Liverpool (Bidston) | 30.08 | 60 | WSW | 5 | o | 30.26 | + | 49 | 46 | — | 11 | Z | 0 | bc | 2 | o | 66 | 47 | 0.10 | |
| | Holyhead ... | 30.09 | 57 | SSW | 5 | r | 30.26 | + | 51 | 47 | — | 7 | NW | 2 | b | 2 | gm | 58 | 49 | 0.22 | |
| | Parsonstown ... | 30.15 | 56 | NW | 1 | r | 30.31 | + | 37 | 36 | — | 23 | S | 1 | b | # | r | 64 | 34 | 0.19 | |
| | Valencia ... | 30.20 | 53 | NNW | 4 | r | 30.37 | + | 43 | 42 | — | 15 | NE | 1 | og | 1 | omr | 60 | 38 | 0.11 | |
| | Roche's Point | 30.15 | 58 | W | 3 | o | 30.36 | + | 45 | 43 | — | 13 | N | 1 | b | 2 | o | 60 | 40 | 0.02 | |
| FRANCE AND BELGIUM. | Pembroke (St. Ann's Hd.) | 30.19 | 58 | WSW | 4 | c | 30.25 | + | 52 | 51 | — | 5 | NE | 4 | cg | 3 | c | 58 | 51 | 0.43 | |
| | Scilly ... | 30.24 | 59 | SSW | 3 | c | 30.23 | - .05 | 57 | 57 | — | 0 | WNW | 2 | cg | 2 | bc, cg | 64 | 56 | 0.06 | |
| | Prawle Point ... | 30.28 | 55 | WSW | 3 | bc | 30.25 | - .07 | 54 | 54 | — | 2 | WNW | 2 | r | 1 | bc | 62 | 54 | 0.03 | |
| | Jersey (St. Aubin's) | 30.30 | 57 | Z | 0 | b | 30.27 | - .10 | 49 | 48 | — | 4 | SSW | 1 | omr | 1 | b | 63 | 44 | — | |
| | Hurst Castle ... | 30.27 | 59 | SW | 3 | c | 30.25 | - .07 | 55 | 54 | — | 4 | WNW | 1 | omr | 1 | bc, omr | 65 | 54 | 0.02 | |
| | Dungeness ... | 30.25 | 59 | WSW | 4 | c | 30.20 | - .08 | 58 | 57 | — | 0 | W | 3 | bc | 2 | bc, c | 64 | 54 | — | |
| | North Foreland | 30.23 | 58 | WSW | 2 | c | 30.20 | - .07 | 56 | 53 | — | 0 | W | 2 | o | 2 | c | 65 | 54 | — | |
| | London ... | 30.24 | 58 | SW | 2 | c | 30.21 | - .08 | 53 | 52 | — | 2 | W | 1 | r | # | c, bc, o | 65 | 53 | 0.08 | |
| | Oxford ... | 30.21 | 56 | S | 2 | o | 30.22 | - .06 | 53 | 53 | — | 1 | NW | 1 | r | # | o | 68 | 53 | 0.40 | |
| | Cambridge ... | 30.19 | 58 | SSE | 2 | c | 30.21 | - .05 | 54 | 53 | + | 1 | SW | 3 | r | # | c | 67 | 51 | 0.50 | |
| PENINSULA. | Yarmouth ... | 30.15 | 60 | WSW | 2 | b | 30.17 | - .03 | 53 | 52 | — | 1 | W | 1 | rgm | 3 | b | 62 | 51 | 0.33 | |
| | Cuxhaven ... | 30.16 | 55 | SW | 4 | o | 30.12 | - .12 | 55 | 55 | + | 3 | WSW | 4 | r | # | o | 56 | 52 | 0.12 | |
| | Berlin ... | 30.19 | 52 | SW | 2 | c | 30.13 | - .15 | 57 | 50 | + | 2 | SW | 3 | c | # | c | 54 | 49 | 0.08 | |
| | Wiesbaden ... | 30.28 | 57 | SE | 3 | # | 30.28 | - .13 | 47 | 46 | + | 5 | Z | 0 | c | # | # | 55 | 42 | — | |
| | Munich ... | 30.39 | 45 | SE | 3 | bc | 30.34 | - .09 | 40 | 39 | + | 8 | SE | 4 | b | # | bc | 52 | 32 | — | |
| | The Helder ... | 30.19 | 57 | SW | 4 | bc | 30.21 | - .04 | 56 | 55 | — | 0 | WNW | 1 | r | 1 | bc | 59 | 55 | 0.12 | |
| | Brussels (9 a.m.) | 30.25 | 52 | SSW | 1 | o | 30.25 | - .12 | 52 | 50 | + | 4 | SSW | 1 | o | # | o | 59 | 48 | — | |
| | Cape Gris Nez | 30.24 | 58 | WSW | 3 | c | 30.19 | - .09 | 58 | 56 | + | 2 | WNW | 1 | c | 1 | c | 50 | 55 | — | |
| | Paris ... | 30.34 | 50 | SSW | 2 | b | 30.28 | - .13 | 38 | 38 | + | 2 | SE | 1 | b | # | b | 62 | 36 | — | |
| | Brest ... | 30.28 | 57 | SW | 1 | b | 30.28 | - .13 | 50 | 49 | — | 4 | SW | 1 | b | 2 | b | 66 | 49 | — | |
| PENINSULA. | Lorient ... | 30.28 | 57 | Z | 0 | b | 30.26 | - .08 | 50 | 49 | — | 0 | ENE | 3 | bc | 2 | b | 64 | 48 | — | |
| | Rochefort ... | 30.18 | 59 | Z | 0 | b | 30.24 | - .12 | 47 | 46 | — | 0 | ENE | 1 | b | # | b | 72 | 45 | — | |
| | Belfort ... | 30.18 | 50 | NE | 1 | b | 30.24 | - .12 | 45 | 44 | — | 1 | E | 1 | bc | # | b | 59 | 41 | — | |
| | Lyons ... | 30.35 | 50 | N | 1 | b | 30.32 | - .09 | 40 | 40 | — | 1 | S | 1 | b | # | b | 59 | 39 | — | |
| | Nice ... | 30.23 | 57 | Z | 0 | b | 30.23 | - .03 | 53 | 49 | + | 1 | E | 2 | b | 1 | b | 66 | 50 | — | |
| | Perpignan ... | 30.27 | 53 | E | 1 | b | 30.27 | - .06 | 48 | 46 | + | 1 | SW | 1 | o | # | b | 66 | 41 | — | |
| | Biarritz ... | 30.18 | 64 | ESE | 3 | b | 30.21 | - .03 | 57 | 51 | + | 4 | S | 2 | b | 0 | b | 70 | 50 | — | |
| | Corunna ... | 30.17 | 70 | NNE | 5 | b | 30.23 | + | 62 | 56 | + | 3 | NNE | 4 | b | # | # | 75 | 59 | — | |
| | Lisbon ... | 30.17 | 70 | NNE | 5 | b | 30.23 | + | 62 | 56 | + | 3 | NNE | 4 | b | # | # | 75 | 59 | — | |

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, 23rd Oct. 1893.

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

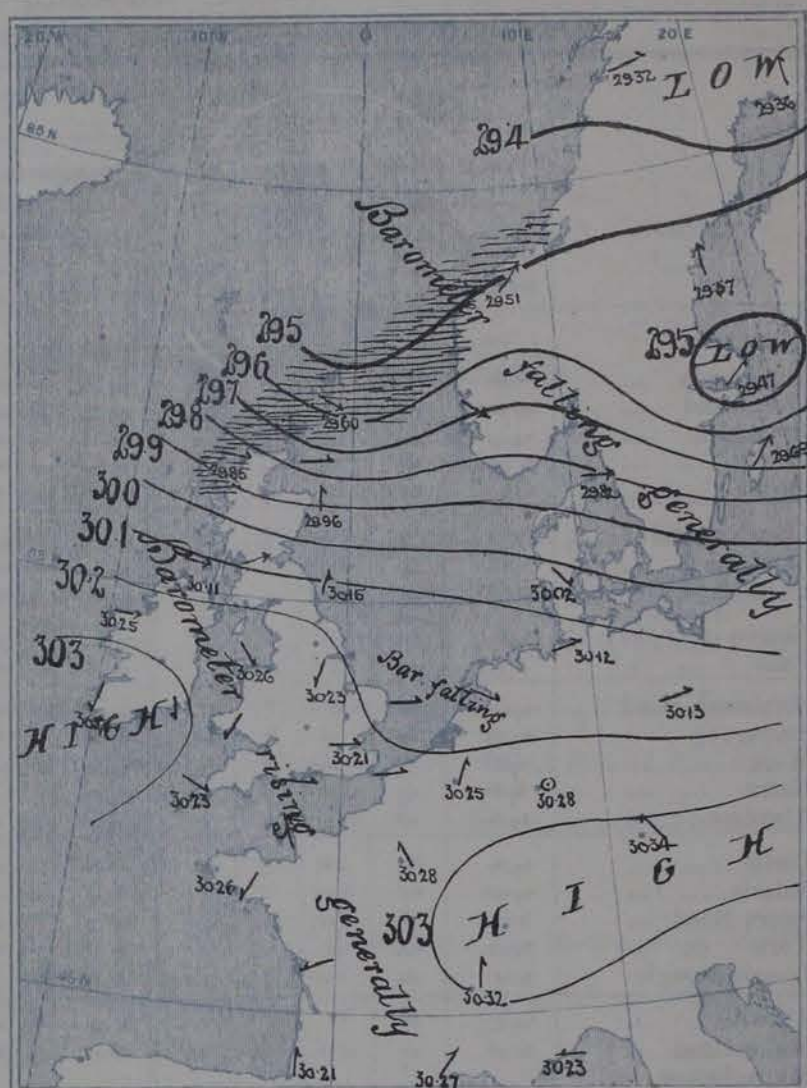
at 8 a.m. for the month of October.

During the 20 Years 1871—1890.

STATIONS.

MEAN READINGS.

| STATIONS. | MEAN READINGS. |
|---------------|----------------|
| Sumburgh Head | 29.720 |
| Stornoway | 29.756 |
| Wick | 29.763 |
| Nairn | 29.770 |
| Aberdeen | 29.793 |
| Leith | 29.822 |
| Shields | 29.846 |
| Spurn Head | 29.867 |
| York | 29.882 |
| Loughborough | 29.904 |
| Ardrossan | 29.831 |
| Mullaghnore | 29.845 |
| Donaghadee | 29.850 |
| Holyhead | 29.872 |
| Liverpool | 29.879 |
| Parsonstown | 29.897 |
| Valencia | 29.896 |
| Roches Point | 29.892 |
| Pembroke | 29.888 |
| Selly | 29.910 |
| Prawle Point | 29.931 |
| Jersey | 29.925 |
| Hurst Castle | 29.922 |
| Dover | 29.910 |
| LONDON | 29.923 |
| Oxford | 29.924 |
| Cambridge | 29.912 |
| Yarmouth | 29.894 |



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.

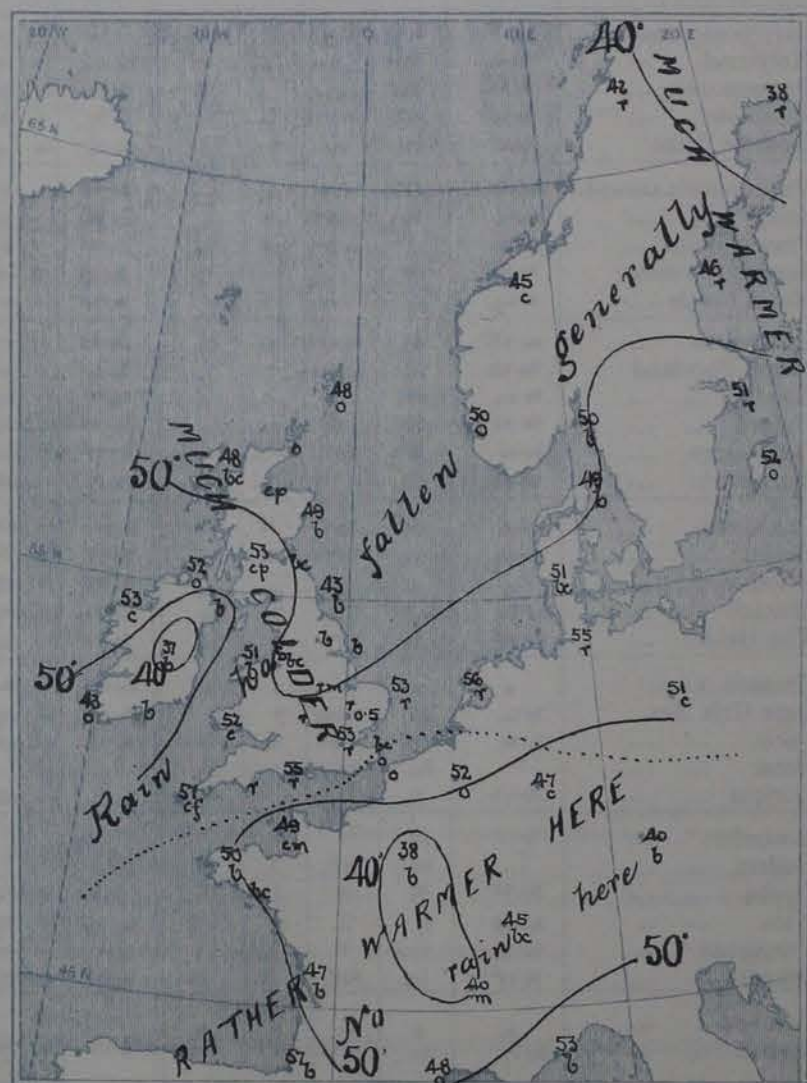
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of October.)

| STATIONS. | TEMPERATURE. | | | | RAINFALL (Inches.) |
|---------------|---------------|---------------|-------------------|------|-----------------------|
| | Daily Max. | Daily Min. | Dry, at 8 a.m. | Wet. | |
| Sumburgh Head | 49.8 | 41.6 | 46.0 | 44.3 | 4.27 |
| Stornoway | 51.0 | 40.5 | 45.0 | 44.5 | 5.04 |
| Wick | 51.7 | 40.5 | 46.3 | 44.6 | 3.02 |
| Nairn | 51.0 | 40.8 | 44.8 | 42.9 | 2.38 |
| Aberdeen | 52.5 | 41.4 | 45.0 | 43.6 | 2.87 |
| Leith | 54.7 | 41.8 | 46.7 | 44.9 | 1.97 |
| Shields | 53.2 | 42.7 | 47.2 | 45.4 | 2.48 |
| Spurn Head | 53.3 | 45.7 | 48.8 | 47.3 | 2.27 |
| York | 54.5 | 41.4 | 45.0 | 44.5 | 2.60 |
| Loughborough | 55.7 | 41.1 | 45.9 | 44.6 | 2.89 |
| Ardrossan | 53.7 | 43.7 | 47.8 | 45.8 | 3.87 |
| Mullaghnore | 54.2 | 45.7 | 49.1 | 46.9 | 4.75 |
| Donaghadee | 53.6 | 43.6 | 47.8 | 46.6 | 3.14 |
| Holyhead | 54.7 | 47.3 | 50.3 | 48.3 | 4.31 |
| Liverpool | 53.8 | 44.7 | 47.8 | 45.8 | 3.46 |
| Parsonstown | 54.8 | 41.0 | 46.2 | 44.5 | 3.16 |
| Valencia | 56.6 | 46.8 | 51.4 | 49.2 | 5.88 |
| Roches Point | 56.0 | 46.1 | 50.2 | 48.3 | 4.09 |
| Pembroke | 54.9 | 48.0 | 51.2 | 49.2 | 3.96 |
| Selly | 56.6 | 50.2 | 53.7 | 51.0 | 3.70 |
| Prawle Point | 56.7 | 46.2 | 51.2 | 49.6 | 3.60 |
| Jersey | 58.2 | 48.6 | 53.3 | 50.7 | 4.45 |
| Hurst Castle | 57.1 | 45.8 | 50.8 | 49.2 | 3.26 |
| Dover | 56.1 | 46.2 | 50.2 | 48.2 | 3.22 |
| LONDON | 50.7 | 42.7 | 47.5 | 45.9 | 2.57 |
| Oxford | 55.5 | 42.2 | 46.2 | 44.0 | 2.56 |
| Cambridge | 56.5 | 41.0 | 46.4 | 45.3 | 2.27 |
| Yarmouth | 54.3 | 44.6 | 49.0 | 47.6 | 2.92 |

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, 29.8 in. and more in a complex anticyclonic system spreading in from the Atlantic over Ireland, England, and France to Germany.
Lowest, 29.4 in. ^{and less} over Lapland, 29.5 in. and less in a small secondary disturbance near Stockholm, and apparently in a new one approaching Norway from the westward. There is a small "V" between our east coast and Holland.

Gradients steep over Scotland, the North Sea, and Baltic, slight and somewhat irregular over the more southern regions.

Barometer rising in the western parts of our Islands, falling in the north and east; falling fast over Scandinavia and the Baltic; but the rise in the west is spreading quickly to the eastward northward.

TEMPERATURE

Highest, 62° at Lisbon, 57° at Biarritz and Seilly, 53° to 58° along our south and southeast coasts as a whole, 52° at Antwerp and Malin Head.
Lowest, (1) 38° at Haparanda, 41° at Åbo; (2) 38° at Paris, 40° at Lyons; (3) 37° at Parnassus.

A decided fall has taken place over the west and north of our Islands and is spreading eastwards.
The maxima recorded over England yesterday were as high as 55° to 58° in many districts.

WIND

- (1) W. (NW to SW) over the northern regions as a whole, and blowing strongly on the Norwegian coast; S. and fresh over the Gulf of Bothnia.
- (2) NE. and E., light, over the Bay of Biscay and France.
- (3) NW. to W. and variable over England; SW. over North Germany.

WEATHER

Fair over France and Denmark, fair over Germany, (but foggy in places). Very changeable over the United Kingdom and Scandinavia, with rain at many stations, but with a tendency to clear up in the west and northwest.

Rain has fallen all over our Islands as well as over the greater part of Scandinavia, Denmark and the Netherlands; in many parts of England and the north of Scotland the fall has been considerable; in Norway it has been large.

SEA

Rough in the north, slight or smooth elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

For the 24 hours ending at NOON on 23rd OCT^r 1893.

DISTRICTS.

FORECASTS.

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

None issued

DISTRICTS.

FORECASTS.

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

None issued

WARNINGS

None issued

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 ... | 29.82 | 53 | 53 | S | 4 | rf | 3 | Valencia | 30.15 | 60 | 59 | S | 3 | om | 4 |
| Sumburgh Head ... | 29.63 | 53 | 52 | WNW | 3 | o | 3 | Scilly | 30.26 | 64 | 60 | SSW | 3 | bc | 3 |
| Stornoway ... | 29.79 | 48 | 47 | SW | 3 | r | 3 | Jersey | 30.34 | 62 | 56 | SSE | 1 | b | 1 |
| Aberdeen ... | 29.77 | 58 | 56 | SSW | 4 | cq | 3 | Hurst Castle ... | 30.28 | 62 | 60 | SW | 3 | bcn | 1 |
| Shields ... | 29.96 | 64 | 59 | SW | 4 | c | 2 | Dungeness ... | 30.27 | 63 | 59 | WSW | 3 | bc | 2 |
| Ardrossan ... | 29.88 | 52 | 49 | SSW | 3 | o | 3 | North Foreland... | 30.24 | 65 | 58 | WSW | 2 | b | 2 |
| Malin Head ... | 29.97 | 51 | 51 | NW | 6 | o | 3 | London | 30.22 | 65 | 57 | SW | 2 | c | * |
| Mullaghmore ... | | | | | | | | Yarmouth ... | 30.17 | 62 | 57 | WSW | 3 | b | 3 |
| Belmullet ... | 30.04 | 50 | 49 | NW | 5 | r | * | Rochefort ... | 30.22 | 64 | 57 | ESE | 2 | b | * |
| Holyhead ... | 30.11 | 58 | 57 | SSW | 5 | omg | 4 | | | | | | | | |

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

Weather in morning fine and bright over the whole of southern Europe and the greater part of France, as well as in Sweden; fair over Germany, the Netherlands and Great Britain, but cloudy, and in some places foggy or hazy. Rain setting in at our northwestern stations, and spreading later on to all parts of the Kingdom, as well as to the eastern shores of the North Sea and Sweden. A heavy local fall at Palermo.

Temperature risen greatly over England and also over Russia, but changes not of a permanent character. Morning readings highest 73° at Malta and exceeding 60° in the far south generally and in many parts of our Islands; low over France. Lowest 28° to 33° over northern Europe and at Riga; 28° to 33° over the south of Russia also; 36° at Paris, 39° at Le Mans, 41° at Lyons. Giving way over our Islands later but rising over France.

Wind moderate NE³ to E⁴ over the southern countries; S³ to SW⁴, moderate to fresh, over our Islands, SE³ in Norway, calm over Sweden, NW³, light over Iceland. Shifting to W. in Norway later, and to NW. over Ireland and Scotland, but remaining SW³ over England and the North Sea.

Barometer highest 30.4 ins. and more to 30.0 ins. in a large anticyclone covering all but the northern and northwestern countries. Lowest 29.6 ins. to 29.7 ins. over the north of Russia, and 29.7 ins. or less, off the northwest of Norway and the extreme north of our Islands; below 30.0 ins. in the neighbourhood of Malta. Rising suddenly and considerably in Ireland and Scotland later falling over northern and Central Europe.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

N.B.—The morning observations are 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, 23 October,

1893

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. Reading at 32° F. and Sea Level. | Change since Yester- day Morn. | Shade Temp. | | Wind. | | Force (0 to 12). | Weather. | Sea (0 to 9). | Weather. | Shade Temp. | | Amount of Rainfall. | |
| | | | | 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 ... | 28.88 | 38 | Z | 0 | r | 28.90 | - .16 | 33 | 33 | - 5 | WNW | 4 | 5 | # | r | 39 | 33 | 1.38 | |
| | Hernösand ... | 29.34 | 39 | SW | 2 | b | 29.33 | - .04 | 40 | 36 | - 6 | W | 2 | 6 | # | b | 46 | 39 | 0.24 | |
| | Stockholm ... | 29.58 | 45 | SW | 2 | b | 29.52 | + .05 | 42 | 40 | - 9 | W | 2 | 6 | # | b | 54 | 36 | - | |
| | Wisby ... | 29.76 | 48 | WNW | 8 | b | 29.64 | - .05 | 47 | 43 | - 5 | NW | 6 | 6 | # | b | 54 | 41 | - | |
| | Bodö ... | 29.10 | 39 | E | 1 | c | 29.34 | + .02 | 38 | 36 | - 4 | WNW | 8 | 7 | 5 | c | 43 | 34 | 0.35 | |
| | Christiansund... | 29.47 | 45 | W | 7 | c | 29.81 | + .30 | 41 | 37 | - 4 | WNW | 9 | 7 | 6 | c | 45 | 41 | 0.51 | |
| | Skudesnaes ... | 29.79 | 50 | WNW | 8 | c | 29.98 | + .11 | 46 | 41 | - 4 | WNW | 10 | c | 5 | c | 52 | 39 | - | |
| | Christiania Fjord (Færdar) | 29.63 | 50 | WNW | 9 | b | 29.67 | - .06 | 45 | 41 | - 5 | WNW | 5 | 6 | 4 | b | 52 | 45 | - | |
| | Skagen (The Seaw) | 29.75 | 50 | WNW | 7 | bc | 29.70 | - .12 | 47 | 42 | - 2 | NW | 7 | 6 | 2 | bc | 52 | 45 | - | |
| | Fanö ... | 30.00 | 51 | NW | 6 | b | 29.98 | - .04 | 47 | 44 | - 4 | NW | 7 | c | # | b | 55 | 46 | 0.04 | |
| BRITISH ISLANDS. | Sumburgh Head | 29.72 | 48 | WNW | 5 | c | 30.14 | + .54 | 45 | 41 | - 3 | WNW | 3 | 6c | 5 | c | 51 | 41 | 0.25 | |
| | Stornoway ... | 29.97 | 48 | W | 4 | bc | 30.29 | + .44 | 46 | 45 | - 2 | Z | 0 | f | 3 | bc | 53 | 44 | 0.04 | |
| | Wick ... | 29.94 | 45 | W | 5 | 0 | 30.26 | + .46 | 48 | 47 | 0 | NW | 3 | 0 | 3 | 0 | 53 | 44 | 0.05 | |
| | Nairn ... | 30.00 | 50 | WNW | 3 | c | 30.29 | + .42 | 47 | 44 | - 3 | WNW | 1 | 6c | 1 | c | 53 | 46 | 0.03 | |
| | Aberdeen ... | 30.03 | 50 | SW | 3 | bc | 30.32 | + .36 | 48 | 43 | - 1 | WNW | 2 | 6c | 2 | p. bc | 57 | 45 | 0.01 | |
| | Leith ... | 30.09 | 49 | WSW | 3 | 0 | 30.36 | + .31 | 46 | 43 | - 4 | WSW | 1 | bc | # | 0 | 56 | 43 | - | |
| | Shields ... | 30.14 | 51 | WSW | 4 | b | 30.35 | + .20 | 43 | 41 | 0 | W | 3 | 6 | 2 | b | 56 | 40 | - | |
| | Spurn Head ... | 30.20 | 51 | WSW | 3 | b | 30.37 | + .18 | 48 | 45 | 0 | NW | 4 | 6w | 3 | b | 54 | 47 | - | |
| | York ... | 30.20 | 50 | W | 1 | b | 30.44 | + .19 | 44 | 43 | 0 | WNW | 1 | 6 | # | b | 57 | 41 | - | |
| | Loughborough | 30.28 | 46 | NW | 1 | b | 30.42 | + .19 | 46 | 45 | - 4 | WNW | 1 | 6mw | # | b | 60 | 42 | - | |
| GERMANY & HOLLAND. | Ardrossan ... | 30.16 | 53 | W | 4 | c | 30.39 | + .29 | 52 | 49 | 0 | NW | 1 | c | 1 | c | 55 | 50 | 0.01 | |
| | Malin Head ... | 30.20 | 52 | WNW | 5 | c/p | 30.41 | + .30 | 50 | 48 | - 2 | NW | 2 | 0 | 2 | p. c | 54 | 50 | 0.01 | |
| | Mullaghmore ... | 30.27 | 53 | WNW | 3 | bc | 30.48 | + .23 | 48 | 46 | - 5 | NW | 2 | 6 | # | bc | 56 | 45 | - | |
| | Belmullet ... | 30.24 | 52 | W | 3 | c | 30.48 | + .26 | 49 | 47 | + 7 | WNW | 3 | c | 1 | c | 56 | 39 | - | |
| | Liverpool (Bidston) | 30.28 | 52 | W | 3 | bc | 30.44 | + .18 | 52 | 48 | + 3 | NW | 3 | 0 | 2 | bc | 54 | 49 | - | |
| | Holyhead ... | 30.27 | 52 | WNW | 3 | b | 30.44 | + .18 | 53 | 49 | + 2 | WNW | 3 | c | 2 | b | 56 | 51 | - | |
| | Parsonstown ... | 30.25 | 48 | SW | 1 | b | 30.52 | + .21 | 39 | 34 | + 2 | ? S | 1 | 6c | # | b | 55 | 35 | - | |
| | Valencia ... | 30.42 | 53 | WNW | 3 | bc | 30.55 | + .18 | 42 | 42 | - 1 | ENE | 1 | 6m | 1 | bc | 57 | 41 | - | |
| | Roche's Point | 30.37 | 54 | NW | 2 | b | 30.55 | + .19 | 47 | 46 | + 2 | N | 2 | 6 | 2 | b | 55 | 43 | - | |
| | Pembroke (St. Ann's Hd.) | 30.32 | 52 | NW | 2 | b | 30.47 | + .22 | 50 | 47 | - 2 | N | 2 | 6c | 2 | b | 59 | 48 | - | |
| FRANCE AND BELGIUM. | Scilly ... | 30.32 | 53 | N | 4 | b | 30.48 | + .25 | 55 | 51 | - 2 | NNE | 3 | 6 | 2 | b | 57 | 52 | - | |
| | Prawle Point ... | 30.33 | 52 | WNW | 2 | c | 30.46 | + .21 | 51 | 49 | - 3 | NE | 3 | 6 | 2 | p. c | 60 | 43 | 0.07 | |
| | Jersey (St. Aubin's) | 30.25 | 58 | WNW | 1 | 0/p | 30.45 | + .18 | 54 | 49 | + 5 | NNE | 3 | 6c | 3 | p. p | 61 | 48 | 0.02 | |
| | Hurst Castle ... | 30.28 | 53 | NNE | 2 | c | 30.45 | + .20 | 47 | 45 | - 8 | NNE | 2 | 6m | 1 | p. c | 59 | 41 | 0.17 | |
| | Dungeness ... | 30.20 | 56 | N | 3 | r | 30.38 | + .18 | 45 | 44 | - 13 | N | 3 | 6m | 2 | r | 60 | 41 | 0.05 | |
| | North Foreland | 30.23 | 54 | N | 2 | 0/m | 30.40 | + .20 | 51 | 48 | - 5 | N | 3 | 6 | 4 | rm | 56 | 48 | 0.05 | |
| | London ... | 30.27 | 51 | N | 1 | 0 | 30.43 | + .22 | 41 | 40 | - 12 | WSW | 2 | 6mw | # | or, 0, 6mw | 55 | 37 | 0.13 | |
| | Oxford ... | 30.32 | 45 | NW | 2 | b | 30.45 | + .23 | 44 | 43 | - 9 | NW | 2 | 6c | # | p. b | 54 | 36 | 0.02 | |
| | Cambridge ... | 30.26 | 46 | NW | 1 | b | 30.43 | + .22 | 45 | 44 | - 9 | WNW | 1 | 6 | # | b | 54 | 39 | 0.04 | |
| | Yarmouth ... | 30.19 | 50 | NW | 2 | bc | 30.35 | + .18 | 45 | 44 | - 8 | WNW | 2 | 6c | 3 | bc | 64 | 40 | 0.14 | |
| PENINSULA. | Cuxhaven ... | 30.20 | 53 | W | 3 | bc | 30.13 | + .01 | 52 | 50 | - 3 | NW | 6 | c | # | bc | 56 | 50 | - | |
| | Berlin ... | 30.12 | 53 | Z | 0 | r | 30.12 | - .01 | 47 | 46 | - 4 | WNW | 4 | 6c | # | # | 57 | 46 | 0.16 | |
| | Wiesbaden ... | # | # | # | # | # | 30.28 | - .00 | 52 | 49 | + 5 | N | 2 | 6c | # | # | 57 | 47 | 0.04 | |
| | Munich ... | 30.22 | 50 | SW | 3 | c | 30.27 | - .07 | 51 | 48 | + 11 | NW | 5 | 0 | # | c | 63 | 39 | - | |
| | The Helder ... | 30.24 | 52 | NW | 4 | b | 30.32 | + .11 | 54 | 50 | - 2 | NW | 4 | 6 | 3 | b | 56 | 52 | 0.20 | |
| | Brussels (9 a.m.) | # | # | # | # | # | 30.38 | + .13 | 46 | 45 | - 6 | SW | 1 | 6 | # | 0 | 63 | 42 | 0.04 | |
| | Cape Gris Nez | 30.19 | 55 | W | 2 | r | 30.32 | + .13 | 51 | 49 | - 7 | NNE | 2 | 6c | 2 | r | 59 | 48 | 0.04 | |
| | Paris ... | 30.24 | 50 | WSW | 1 | bc | 30.34 | + .06 | 52 | 52 | + 14 | WSW | 1 | 0 | # | bc | 62 | 38 | - | |
| | Brest ... | ? | 57 | WNW | 1 | c | ? | ? | 49 | 48 | - 1 | NE | 2 | 6c | 1 | c | 64 | 46 | - | |
| | Lorient ... | 30.26 | 59 | W | 2 | c | 30.36 | + .10 | 56 | 55 | + 6 | NE | 4 | 0 | 2 | c | 66 | 48 | - | |
| FRANCE AND BELGIUM. | Rochefort ... | 30.23 | 60 | N | 1 | b | 30.28 | + .11 | 51 | 50 | + 4 | ENE | 1 | c | # | b | 70 | 41 | - | |
| | Belfort ... | # | # | # | # | # | # | # | # | # | # | # | # | # | # | # | # | # | # | - |
| | Lyons ... | 30.27 | 53 | S | 1 | b | 30.29 | - .03 | 48 | 45 | + 8 | N | 1 | 0 | # | b | 64 | 40 | - | |
| | Nice ... | 30.19 | 58 | NNE | 1 | b | 30.15 | - .08 | 57 | 49 | + 4 | E | 1 | 6 | 1 | b | 68 | 53 | - | |
| | Perpignan ... | 30.25 | 54 | Z | 0 | b | 30.21 | - .06 | 48 | 45 | 0 | W | 2 | 6c | # | b | 68 | 45 | - | |
| | Biarritz ... | 30.23 | 62 | W | 2 | b | 30.25 | + .04 | 54 | 51 | - 3 | SSW | 3 | 6c | 0 | bc | 70 | 54 | - | |
| PENINSULA. | Corunna ... | # | # | # | # | # | # | # | # | # | # | # | # | # | # | # | # | # | # | - |
| | Lisbon ... | 30.23 | 68 | N | 4 | b | 30.23 | - .00 | 61 | 56 | - 1 | NNE | 4 | 6 | # | b | 75 | 57 | - | |

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, 23. October, 1893.

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, as shown thus:

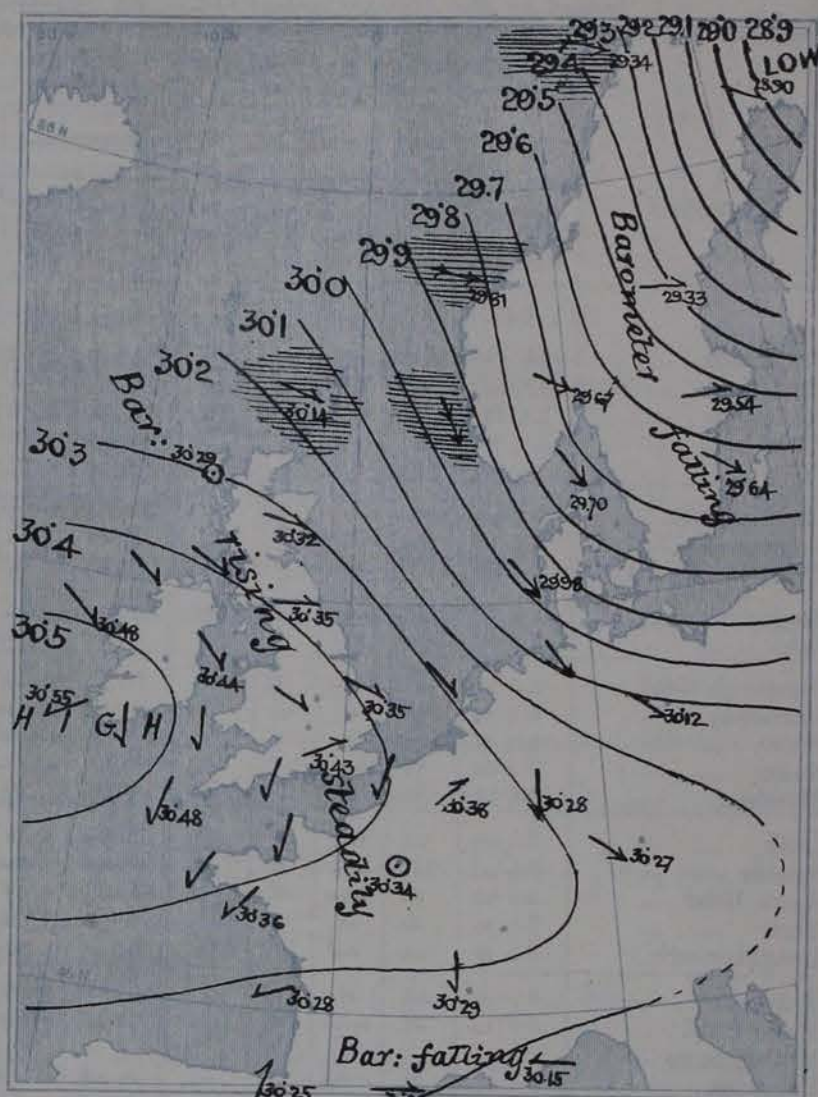
☼ = Rough. ☼ = High.

MEAN HEIGHT OF THE BAROMETER

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

During the 20 Years 1871—1890.

| STATIONS. | MEAN READINGS. |
|---------------|----------------|
| Sumburgh Head | 29.726 |
| Stornoway | 29.756 |
| Wick | 29.763 |
| Nairn | 29.770 |
| Aberdeen | 29.793 |
| Leith | 29.822 |
| Shields | 29.846 |
| Spurn Head | 29.867 |
| York | 29.882 |
| Loughborough | 29.904 |
| Ardrossan | 29.831 |
| Mullaghmore | 29.845 |
| Donaghadee | 29.850 |
| Holyhead | 29.872 |
| Liverpool | 29.879 |
| Parsonstown | 29.897 |
| Valencia | 29.896 |
| Roche's Point | 29.892 |
| Pembroke | 29.888 |
| Scilly | 29.910 |
| Prawle Point | 29.931 |
| Jersey | 29.925 |
| Hurst Castle | 29.922 |
| Dover | 29.916 |
| LONDON | 29.923 |
| Oxford | 29.924 |
| Cambridge | 29.912 |
| Yarmouth | 29.894 |



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.

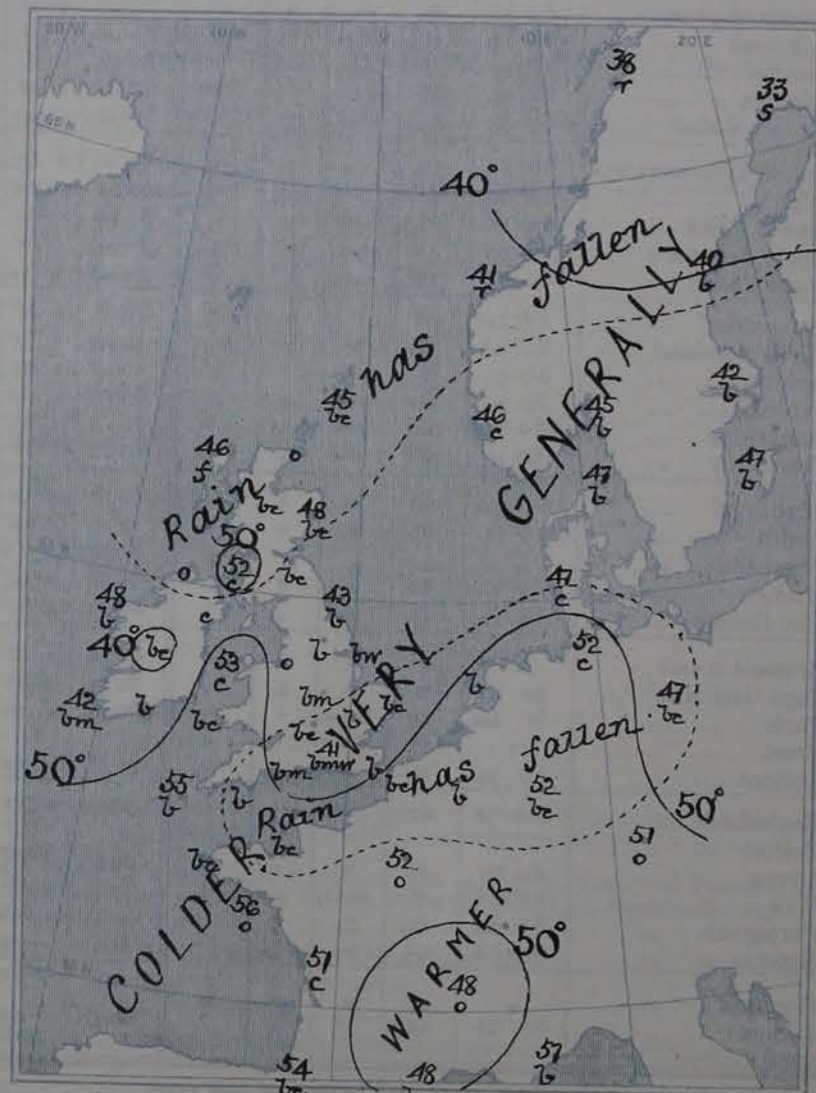
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of October.)

| STATIONS. | TEMPERATURE. | | | | RAINFALL. (Inches.) |
|---------------|---------------|---------------|------|------|------------------------|
| | Daily Max. | Daily Min. | Dry. | Wet. | |
| Sumburgh Head | 49.8 | 41.6 | 46.0 | 44.3 | 4.27 |
| Stornoway | 51.0 | 40.5 | 45.6 | 44.5 | 5.04 |
| Wick | 51.7 | 40.5 | 46.3 | 44.6 | 3.02 |
| Nairn | 51.9 | 40.8 | 44.8 | 42.9 | 2.38 |
| Aberdeen | 52.5 | 41.4 | 45.6 | 43.6 | 2.87 |
| Leith | 54.7 | 41.8 | 46.7 | 44.9 | 1.97 |
| Shields | 53.2 | 42.7 | 47.2 | 45.4 | 2.48 |
| Spurn Head | 53.3 | 45.7 | 48.8 | 47.3 | 2.27 |
| York | 54.5 | 41.4 | 45.9 | 44.5 | 2.60 |
| Loughborough | 55.7 | 44.1 | 45.9 | 44.6 | 2.80 |
| Ardrossan | 53.7 | 43.7 | 47.8 | 45.8 | 3.87 |
| Mullaghmore | 54.2 | 45.7 | 49.1 | 46.9 | 4.75 |
| Donaghadee | 53.6 | 43.6 | 47.8 | 46.6 | 3.14 |
| Holyhead | 54.7 | 47.3 | 50.3 | 48.3 | 4.31 |
| Liverpool | 53.8 | 44.7 | 47.8 | 45.8 | 3.46 |
| Parsonstown | 54.8 | 41.0 | 46.2 | 44.5 | 5.88 |
| Valencia | 56.6 | 46.8 | 51.4 | 49.2 | 4.09 |
| Roche's Point | 56.0 | 46.1 | 50.2 | 48.3 | 3.96 |
| Pembroke | 54.9 | 48.0 | 51.2 | 49.2 | 3.70 |
| Scilly | 56.6 | 50.2 | 53.7 | 51.6 | 3.60 |
| Prawle Point | 56.7 | 46.2 | 51.2 | 49.6 | 4.45 |
| Jersey | 58.2 | 48.6 | 53.3 | 50.7 | 3.26 |
| Hurst Castle | 57.1 | 45.8 | 50.8 | 49.2 | 3.22 |
| Dover | 56.1 | 46.2 | 50.2 | 48.2 | 2.57 |
| LONDON | 56.7 | 42.7 | 47.5 | 45.9 | 2.56 |
| Oxford | 55.5 | 42.2 | 46.2 | 44.9 | 2.27 |
| Cambridge | 56.5 | 41.9 | 46.4 | 45.3 | 2.92 |
| Yarmouth | 54.3 | 44.6 | 49.0 | 47.6 | |

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, 30.5 ins: and more to 30.2 ins: in an anticyclone spreading in from the Atlantic over the British Islands, France and Germany.
 Lowest, 28.9 ins: in a large depression over Northern Europe, having its centre over the Kola Peninsula.
 Gradients slight over our Islands, France, and Germany, steep over Scandinavia.
 Barometer rising throughout our Islands — most in the north, falling over the Baltic, Sweden, and the northern half of Russia.

TEMPERATURE

Highest, 61° at Lisbon, 57° at Nice, 55° at Lillo, 51° at the North Foreland.
 Lowest, (1) 33° at Haparanda, 38° at Bodö, 40° at Helsingfors; (2) 39° at Pauström; (3) 41° in London, 43° at Shields, 44° at York and Oxford.
 It has fallen over Great Britain since yesterday, and frost occurred in the grass around London.

WIND

(1) Light to moderate over our Islands generally — NW¹ at the northern stations, N¹ to NE¹ in the south and over the Bay of Biscay; (2) NW¹ a strong gale on the coast of Norway and Denmark. W¹ and NW¹, increasing over the Baltic.

WEATHER

(1) Fine over Denmark and on the Swedish coast; cloudy and rainy in the west and northwest of Norway, snowing at Haparanda.
 (2) Fine at our own and the French stations, but foggy or hazy in several places.
 Heavy rain has fallen at Haparanda, followed by snow, and smaller quantities at the most northern stations generally.
 Rain fell yesterday morning over England and the Netherlands also, and later on over North Germany.

SEA

Rough on the Scandinavian coast, slight or smooth at our own stations and over the Bay of Biscay.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The anticyclone is still advancing eastwards, and at present there is no indication of the approach of any new disturbances to our neighbourhood.

FORECASTS

For the 24 hours ending at NOON on 24th OCTOBER 1893.

DISTRICTS.

FORECASTS.

DISTRICTS.

FORECASTS.

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

NW² breezes, moderate; a few showers cold tonight.
 NW¹ and N² breezes, light; fine today cold and hazy or foggy tonight.

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

Same as Nos 0 and 1.
 Same as Nos 2 to 5.
 NE² breezes, moderate; fine.
 Same as Nos 0 and 1.
 Same as No 8.

WARNINGS

NONE ISSUED.

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

YESTERDAY'S 2 P.M. REPORTS.

| | BAR. | THER. | | WIND. | F. | WEA. | SEA. | | BAR. | THER. | | WIND. | F. | WEA. | SEA. |
|-------------------|-------|-------|------|--------|----|------|------|--------------------|-------|-------|------|--------|----|------|------|
| | | Dry. | Wet. | Dirac. | | | | | | Dry. | Wet. | Dirac. | | | |
| Skudesnaes ... | 29.79 | 52 | 48 | W | 8 | c | 4 | Valencia ... | | | | | | | |
| Sumburgh Head ... | | | | | | | | Scilly ... | | | | | | | |
| Stornoway ... | 29.93 | 53 | 49 | W | 4 | bc | 4 | Jersey ... | 30.27 | 61 | 58 | WNW | 2 | 0 | 2 |
| Aberdeen ... | | | | | | | | Hurst Castle ... | | | | | | | |
| Shields ... | | | | | | | | Dungeness ... | 30.20 | 58 | 57 | NW | 3 | 7 | 2 |
| Ardrossan ... | | | | | | | | North Foreland ... | 30.21 | 56 | 55 | W | 2 | 7 | 2 |
| Malin Head ... | 30.13 | 54 | 50 | W | 6 | bc | 4 | London ... | | | | | | | |
| Mullaghmore ... | | | | | | | | Yarmouth ... | | | | | | | |
| Belmullet ... | 30.30 | 50 | 51 | W | 4 | bc | 4 | Rochefort ... | 30.23 | 67 | 60 | E.N.E. | 1 | 6 | 4 |
| Holyhead ... | 30.27 | 54 | 50 | W | 3 | b | 2 | | | | | | | | |

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

Weather dull and rainy in the south and southeast of England; fine at many of our western and northern stations, but showery in some parts of Scotland. Fine in Denmark, and also in France, Spain and Italy; cloudy in other parts of the Continent, with rain in Sweden, north Germany and the Netherlands, as well as at Malta and Tunis. Weather improving over England later, but heavy rain falling at some of the Scandinavian stations.

Temperature fallen rapidly in Ireland and to a less extent in most other parts of northwestern Europe, risen elsewhere. Morning readings highest 70° at Malta, 69° at Algiers, and 65° at Barcelona and La Calk; above 55° in many parts of southern Europe, but below 50° over central Spain. Lowest (1) 31° at Archangel, 32° at St. Petersburg, 33° at Moscow, and 34° at Riga and Kharkov; (2) 37° at Parsonstown, 42° at Donaghadee, and 43° at Shields and Valencia (Ireland) (3) 38° at Paris, and 39° at Le Mans. Rising during day to between 55° and 60° in many parts of the United Kingdom, and to between 65° and 70° in the west and south of France. Ground frost occurring in London at night.

Wind moderate to fresh from the W. over the northern parts of our islands, as well as in Norway and Denmark; SW. over Germany and the Baltic; S. in Finland and the north of Sweden. Variable over central England, W. or NW. over our southern counties. Light from the E. over the greater part of France, and from the NE. or N. over Spain and Italy; variable in Austria. Subsequently veering to the N. over the south of England; no important change occurring elsewhere.

Barometer highest 30.3 ins. and upwards over the south of Ireland, and also over central Spain, and in an elongated area extending from central France to Hungary; 30.1 ins. and upwards in an anticyclone covering Ireland, England and all the more central and southern parts of Europe. Lowest 29.4 ins. and less in a depression over the N. of Scandinavia; 29.5 ins. and less in a small secondary system near Stockholm. General rise taking place over our islands during day and an anticyclone spreading over from the south-westward.

SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD FROM THE 15TH TO 21ST OCT. 1893

During this week there has been a series of large depressions arriving off our extreme northwestern coasts from the Atlantic, and on the first few days the systems spread considerably over the Kingdom. Rain consequently fell each day in the extreme west and northwest, and frequently over the more southern and eastern districts. The southern counties were, in addition, affected by a small disturbance which brought heavy falls on the 17th-18th, but after that an anticyclone spread over Ireland, England and France; the weather consequently improved in most places, and the day-temperatures rose to between 60° and 68° over England.

At the close of the week, however, a new disturbance, of no great depth was spreading over our northwestern districts.

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.

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" Weekly " " " £1 10 0 "

DAILY WEATHER REPORT

for 8 a.m. on Tuesday 24th OCTOBER, 1893

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 82° F. and Sea Level. | Dry Bulb. | | Dir. | 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. | | | | Dir. | Force (0 to 12). | | Max. | Min. |
| | | Ins. | ° | | | | Ins. | | ° | ° | ° | | | | | | ° | ° | Ins. | | |
| SCANDINAVIA. | Haparanda ... | 29.21 | 35 | N | 6 | r | 29.60 | + .70 | 32 | 33 | + | 1 | Z | 0 | be | # | r | 39 | 32 | 0.16 | |
| | Hernösand ... | 29.63 | 39 | WNW | 9 | b | 29.78 | + .45 | 36 | 31 | - | 4 | WNW | 4 | b | # | b | 46 | 27 | - | |
| | Stockholm ... | 29.76 | 40 | WNW | 4 | b | 29.84 | + .32 | 36 | 32 | - | 6 | WNW | 4 | b | # | b | 50 | ? | - | |
| | Wisby ... | 29.83 | 46 | N | 8 | b | 29.90 | + .26 | 43 | 37 | - | 4 | N | 6 | be | # | b | 50 | 43 | - | |
| | Bodö ... | 29.78 | 39 | NW | 6 | c | 29.71 | + .37 | 35 | 31 | - | 3 | E | 2 | be | 1 | c | 39 | 34 | 0.04 | |
| | Christiansund... | 30.05 | 44 | W | 6 | c | 29.66 | - .15 | 49 | 44 | + | 8 | SW | 4 | o | 6 | c | 49 | 41 | 0.12 | |
| | Skudesnaes ... | 30.21 | 44 | NW | 2 | c | 29.99 | + .01 | 51 | 49 | + | 5 | SSW | 6 | r | 4 | c | ? | 44 | 0.35 | |
| | Christiania Fjord (Færdler) | 30.02 | 46 | WNW | 4 | b | 29.94 | + .27 | 46 | 40 | + | 1 | WNW | 4 | c | 3 | b | 52 | 45 | - | |
| | Skagen (The Scaw) | 30.06 | 48 | NNW | 2 | be | 29.98 | + .28 | 48 | 45 | + | 1 | NW | 4 | be | 2 | be | 52 | 43 | - | |
| | Fanö ... | 30.22 | 48 | NNW | 6 | c | 30.07 | + .19 | 51 | 47 | + | 4 | WNW | 6 | o | # | c | 52 | 47 | - | |
| ISLANDS. | Sumburgh Head | 30.11 | 49 | W | 3 | o | 29.83 | - .31 | 48 | 44 | + | 3 | W | 3 | b | 4 | co | 50 | 44 | 0.11 | |
| | Stornoway ... | 30.16 | 51 | SW | 4 | o | 29.95 | - .34 | 47 | 45 | + | 1 | W | 3 | e | 3 | o | 52 | 42 | 0.05 | |
| | Wick ... | 30.21 | 50 | W | 3 | c | 29.95 | - .31 | 46 | 45 | - | 2 | W | 3 | be | 2 | c | 52 | 44 | 0.05 | |
| | Nairn ... | 30.23 | 51 | NW | 1 | o | 29.95 | - .34 | 53 | 52 | + | 6 | Z | 0 | c | 1 | o | 54 | 46 | - | |
| | Aberdeen ... | 30.28 | 48 | SSW | 2 | b | 30.03 | - .29 | 51 | 49 | + | 3 | SSW | 3 | b | 2 | be | 55 | 46 | - | |
| | Leith ... | 30.33 | 51 | WSW | 1 | o | 30.11 | - .25 | 52 | 50 | + | 6 | SW | 2 | c | # | o | 56 | 44 | - | |
| | Shields ... | 30.37 | 50 | SSW | 2 | be | 30.19 | - .16 | 53 | 49 | + | 10 | WSW | 3 | cp | 2 | c, be | 56 | 40 | - | |
| | Spurn Head ... | 30.42 | 50 | ESE | 2 | c | 30.30 | - .07 | 49 | 46 | + | 1 | WSW | 3 | o | 3 | c | 55 | 46 | - | |
| | York ... | 30.42 | 50 | SW | 1 | c | 30.29 | - .12 | 49 | 46 | + | 5 | SSW | 2 | o | # | c | 56 | 44 | - | |
| | Loughborough | 30.46 | 48 | WNW | 1 | o | 30.37 | - .05 | 48 | 45 | + | 2 | SW | 3 | om | # | o | 56 | 44 | - | |
| BRITISH | Ardrossan ... | 30.36 | 53 | WSW | 3 | o | 30.14 | - .25 | 53 | 53 | + | 1 | SW | 4 | o | 3 | o | 54 | 51 | 0.01 | |
| | Malin Head ... | 30.33 | 52 | SSW | 4 | o | 30.09 | - .32 | 52 | 52 | + | 2 | SSW | 4 | o, d, p | 3 | o | 53 | 50 | 0.01 | |
| | Mullaghmore ... | 30.38 | 54 | SW | 3 | be | 30.17 | - .31 | 55 | 54 | + | 7 | SW | 3 | o | # | b, be | 56 | 46 | 0.02 | |
| | Belmullet ... | 30.43 | 51 | SW | 2 | c | 30.23 | - .25 | 50 | 49 | + | 1 | SW | 3 | c | 1 | c | 54 | 48 | - | |
| | Liverpool (Bidston) | 30.44 | 51 | WSW | 1 | o | 30.34 | - .10 | 50 | 47 | - | 2 | SW | 2 | o | 2 | o | 54 | 49 | - | |
| | Holyhead ... | 30.45 | 52 | Z | 0 | ag | 30.31 | - .13 | 54 | 50 | + | 1 | WSW | 4 | ag | 3 | ag | 54 | 51 | - | |
| | Parsonstown ... | 30.41 | 52 | SW | 1 | be | 30.30 | - .22 | 51 | 48 | + | 12 | SW | 1 | o | # | be | 57 | 35 | - | |
| | Valencia ... | 30.49 | 53 | S | 1 | cm | 30.34 | - .21 | 54 | 53 | + | 12 | SSW | 3 | ag | 3 | bm, c | 59 | 41 | - | |
| | Roche's Point | 30.49 | 52 | W | 1 | b | 30.37 | - .18 | 53 | 51 | + | 6 | W | 2 | o | 2 | b | 60 | 44 | - | |
| | Pembroke (St. Ann's Hd.) | 30.47 | 54 | N | 1 | be | 30.38 | - .09 | 54 | 52 | + | 4 | SW | 4 | ag | 4 | be | 54 | 50 | - | |
| GERMANY & HOLLAND. | Scilly ... | 30.47 | 53 | NE | 2 | b | 30.43 | - .05 | 53 | 49 | - | 2 | ESE | 1 | c | 3 | c, b | 57 | 48 | - | |
| | Prawle Point ... | 30.48 | 57 | ENE | 1 | c | 30.45 | - .01 | 52 | 49 | + | 1 | SW | 2 | ag | 1 | c | 60 | 50 | - | |
| | Jersey (St. Aubin's) | 30.46 | 55 | NE | 3 | b | 30.47 | + .02 | 51 | 48 | - | 3 | ESE | 1 | om | 1 | be, b | 59 | 42 | - | |
| | Hurst Castle ... | 30.49 | 52 | NE | 1 | c | 30.45 | + .00 | 45 | 44 | - | 2 | NNW | 1 | mur | 1 | bm, c | 57 | 43 | - | |
| | Dungeness ... | 30.44 | 48 | NNE | 1 | b | 30.42 | + .04 | 44 | 42 | - | 1 | NNW | 3 | m | 2 | b | 55 | 42 | - | |
| | North Foreland | 30.45 | 53 | ENE | 2 | o | 30.42 | + .02 | 48 | 44 | - | 3 | W | 2 | o | 2 | bo | 56 | 43 | - | |
| | London ... | 30.48 | 51 | NNW | 1 | c | 30.44 | + .01 | 46 | 43 | + | 5 | S | 1 | o | # | be, o, be | 55 | 40 | - | |
| | Oxford ... | 30.47 | 46 | E | 1 | o | 30.43 | - .02 | 45 | 43 | + | 1 | SW | 1 | c | # | o | 56 | 43 | - | |
| | Cambridge ... | 30.46 | 49 | NNW | 1 | o | 30.41 | - .02 | 46 | 44 | + | 1 | SSW | 2 | o | # | o | 56 | 42 | - | |
| | Yarmouth ... | 30.41 | 50 | N | 1 | be | 30.37 | + .02 | 46 | 44 | + | 1 | WSW | 2 | be, f | 3 | be, v | 53 | 43 | - | |
| FRANCE AND BELGIUM. | Cuxhaven ... | 30.28 | 51 | NW | 6 | be | 30.32 | + .19 | 51 | 49 | - | 1 | NW | 4 | o | # | be | 53 | 50 | - | |
| | Berlin ... | 30.19 | 46 | NW | 4 | b | 30.26 | + .14 | 46 | 44 | - | 1 | WNW | 3 | o | # | b | 54 | 41 | 0.04 | |
| | Wiesbaden ... | * | * | * | * | * | 30.44 | + .16 | 48 | 45 | - | 4 | Z | 0 | o | # | # | 55 | 46 | - | |
| | Munich ... | 30.39 | 46 | SW | 2 | o | 30.45 | + .18 | 41 | 40 | - | 10 | NW | 1 | be | # | o | 52 | 39 | 0.04 | |
| | The Helder ... | 30.44 | 53 | NW | 2 | c | 30.39 | + .07 | 52 | 47 | - | 2 | WSW | 5 | c | 3 | c | 55 | 52 | - | |
| | Brussels (9 a.m.) | * | * | * | * | * | 30.47 | + .09 | 48 | 45 | + | 2 | W | 1 | o | # | o | 57 | 45 | - | |
| | Cape Gris Nez | 30.38 | 54 | NE | 2 | be | 30.41 | + .09 | 51 | 46 | - | 0 | NNW | 1 | c | 1 | be | 59 | 48 | - | |
| | Paris ... | 30.42 | 46 | NE | 2 | b | 30.45 | + .11 | 42 | 42 | - | 10 | NNE | 2 | be | # | b | 59 | 41 | - | |
| | Brest ... | ? | 53 | ENE | 2 | c | ? | ? | 48 | 48 | - | 1 | E | 1 | b | 1 | c | 61 | 46 | - | |
| | Lorient ... | 30.41 | 55 | NE | 4 | b | 30.43 | + .07 | 48 | 46 | - | 8 | ENE | 3 | b | 2 | b | 61 | 46 | - | |
| PENIN- SULA. | Rochefort ... | 30.32 | 59 | E | 4 | c | 30.35 | + .07 | 46 | 46 | - | 5 | E | 3 | b | # | c | 68 | 43 | - | |
| | Belfort ... | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | - |
| | Lyons ... | 30.27 | 55 | N | 5 | c | 30.39 | + .10 | 46 | 43 | - | 2 | N | 1 | o | # | c | 60 | 45 | - | |
| | Nice ... | 30.08 | 68 | Z | 0 | be | 30.16 | + .01 | 57 | 51 | - | 0 | Z | 0 | b | 1 | be | 70 | 52 | - | |
| | Perpignan ... | 30.17 | 64 | NW | 3 | o | 30.23 | + .02 | 58 | 52 | + | 10 | NW | 2 | b | # | o | 75 | ? | - | |
| | Biarritz ... | 30.26 | 63 | NNW | 3 | c | 30.27 | + .02 | 51 | 48 | - | 3 | E | 2 | b | 2 | c | ? | 46 | - | |
| PENIN- SULA. | Corunna .. | * | * | * | * | * | 30 | * | * | * | * | * | * | * | * | * | * | * | * | - | |
| | Lisbon ... | 30.17 | 66 | ENE | 3 | b | 30.17 | - .06 | 60 | 55 | - | 1 | NE | 1 | b | * | * | 75 | 57 | - | |

For Explanation of Columns, see bottom of last page.

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

for 8 a.m. on Tuesday, 24th October, 1893

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 end

SEA DISTURBANCE—Where considerable, is shown thus

at 8.0 a.m. for the month of October

During the 20 Years 1871—1890

A hand-drawn weather map of the North Atlantic and Europe, showing isobars, wind directions, and handwritten annotations. The map includes a low-pressure system over the North Atlantic and a high-pressure system over Europe. Annotations include 'Bar: rising', 'Bar: risen quickly', 'Bar: falling slowly', 'Bar: falling steadily', 'H slowly rising', and 'LOW'. Wind directions are indicated by arrows, and various pressure values are written along the isobars.

Isobars and Pressure Values:

- 29.6 (falling)
- 29.7
- 29.8
- 29.9
- 30.0
- 30.1
- 30.2
- 30.3
- 30.4

Handwritten Annotations:

- LOW (North Atlantic)
- Bar: rising
- Bar: risen quickly
- Bar: falling slowly
- Bar: falling steadily
- H slowly rising
- LOW (South Atlantic)

Wind Directions:

- Arrows indicating wind flow from high to low pressure.

A hand-drawn map of Europe showing temperature isotherms and weather patterns. The map includes latitude lines at 40°N and 50°N, and longitude lines at 10°W, 10°E, and 20°E. Handwritten labels include "Rain" over Western Europe, "has fallen" over Northern Europe, "IN MOST PLACES" across Central Europe, "WARMER" over Southern Europe, and "COLDER" over Northern Europe. Numerous numerical values are scattered across the map, often followed by letters like "c", "be", or "m". A dashed line separates the "RAIN has fallen" area from the rest of the continent.

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

GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest 30.4 ins. and more to 30.2 ins. in an anticyclone covering Germany, France, England and Ireland.
Lowest 29.7 ins. and less in a depression lying off the northwest coast of Norway and moving northeastwards.

Gradients slight over Germany and France, moderate over our Islands and Norway.

Barometer rising temporarily in Scotland (after falling fast); but was falling decidedly in the W. of Ireland.

TEMPERATURE

Highest 57° to 58° in the south of France, 55° to 53° in the west and south of Ireland, 51° to 53° on our N.W. coasts.

Lowest, 34° to 36° over Lapland, the north of Sweden, 36° at Stockholm; 45° to 48° over our Midland Counties; 42° at Paris.

The maxima recorded yesterday exceeded 60° at some of our southwestern stations, but was less high at our other stations. In the Riviera, however, the maxima exceeded 70°.

WIND

Still light from the E. over the Bay of Biscay, and was very light and variable over France and the Channel.

Over all the more northern and western regions it was S.W. or S., but was of moderate force.

WEATHER

Cloudy throughout our Islands, but fair; fine and bright in the south and southwest of France, and also over Sweden.

A little rain has fallen in the extreme north and northwest of our Islands, and in Norway, and slight showers in some parts of Germany.

SEA

Rough at Christiansund, moderate at Sumburg Head, smooth generally elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The anticyclone is giving way slowly and depressions are following one another - from southwest to northeast - by our northwestern coasts.

FORECASTS

For the 24 hours ending at NOON on 25TH OCTOBER. 1893.

DISTRICTS.

FORECASTS.

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

W² and S² winds, strong; squally, showery.
S.W. breezes, freshening; some showers.
S² and S.W. breezes, light to moderate; fair, mild, perhaps showery later.

DISTRICTS.

FORECASTS.

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

Same as N^o 0.
S² and S.W. winds, increasing; rain at times.
S² and S.W. winds, strong; squally, rainy at times.

WARNINGS

None Issued

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

YESTERDAY'S 2 P.M. REPORTS.

| | BAR. | THER. | | WIND. Direc. | F. | WEA. | SEA. | | BAR. | THER. | | WIND. Direc. | F. | WEA. | SEA. |
|-------------------|-------|-------|------|-----------------|----|------|------|--------------------|-------|-------|------|-----------------|----|------|------|
| | | Dry. | Wet. | | | | | | | Dry. | Wet. | | | | |
| Skudesnaes ... | 30.16 | 47 | 42 | NW | 8 | o | 5 | Valencia ... | 30.51 | 58 | 53 | S | 2 | bcm | 2 |
| Sumburgh Head ... | 30.19 | 49 | 45 | WNW | 2 | c | 4 | Scilly ... | 30.47 | 56 | 52 | NE | 3 | c | 3 |
| Stornoway ... | 30.27 | 52 | 50 | W | 2 | o | 2 | Jersey ... | 30.45 | 59 | 53 | NNE | 3 | bc | 3 |
| Aberdeen ... | 30.23 | 54 | 47 | W | 2 | bc | 2 | Hurst Castle ... | 30.45 | 57 | 51 | NE | 2 | bcm | 1 |
| Shields ... | 30.41 | 54 | 48 | WNW | 2 | c | 2 | Dungeness ... | 30.41 | 55 | 50 | NNE | 3 | b | 2 |
| Ardrossan ... | 30.36 | 53 | 52 | SW | 3 | o | 2 | North Foreland ... | 30.42 | 54 | 50 | N | 2 | b | 3 |
| Malin Head ... | 30.29 | 53 | 50 | SW | 4 | o | 3 | London ... | 30.45 | 55 | 48 | NNE | 2 | o | * |
| Mullaghmore ... | | | | | | | | Yarmouth ... | 30.41 | 53 | 50 | N | 3 | bcm | 3 |
| Belmullet ... | 30.44 | 55 | 53 | SW | 2 | b | | Rochefort ... | 30.25 | 65 | 60 | NE | 3 | b | * |
| Holyhead ... | 30.47 | 54 | 48 | NW | 1 | o | 2 | | | | | | | | |

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

Weather fine over the greater part of our Islands, as well as over Sweden, the Netherlands and southern Europe generally. Dull in France, and also in Russia; rising in the west of Norway, as well as at some of the Danish and German stations; snow falling at Haparanda and Archangel. Very little change occurring over western Europe later, but slight rain falling at night on our extreme north and northwest coasts.

Temperature fallen in all but the central and southern countries. Morning readings, highest 70° at Malta, 69° at La Calle, 67° at Algiers, and 66° at Brindisi; above 60° at most of the Mediterranean stations. Lowest 30° at Archangel, 33° at Haparanda and Kharkov, and 35° at Moscow; below 40° in several parts of northern Europe, as well as over central Ireland; below 45° at some of the inland English stations. Rising later to 55° or a little more in several parts of the United Kingdom, and reaching 60° at some of our southwestern stations. Exceeding 70° in the south of France.

Wind light to moderate from the NWnd in all the more northern and eastern parts of our Islands, but Nth or NE^{ly} in the south. Strong to a gale from the NWnd over Norway and Denmark; moderate to strong from the Wnd over Sweden, Germany and the Baltic; light from the SWnd in Russia. Calm in Austria; light from the Nth in Spain and Italy; variable in France, Sth in Algeria. Subsequently backing to the SWnd over the northern parts of our Islands; gale on eastern shores of the North Sea dying down.

Barometer highest 30.5 ins. and upwards over the south of Ireland; 30.2 ins. and upwards in an anticyclone covering the greater part of western Europe, as well as in another system lying over the southeastern countries. Lowest 29.9 ins. and less in a well marked depression over Lapland; gradients rather steep over northern Europe generally. Anticyclone over western Europe subsequently moving southwards and new depression beginning to advance towards our extreme 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

Wednesday, 25 October, 1893

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. | Force (0 to 12). | BAROMETER. | | SHADE TEMP. | | | WIND. | | Force (0 to 12). | Weather. | Sea (0 to 9). | Weather. | SHADE TEMP. | | Amount of Rainfall. |
| | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |
| Reading at 82° F. and Sea Level. | Dry Bulb. | Dir. | 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. | Dir. | Force (0 to 12). | Weather. | Max. | Min. | ins. | | | | | | |
| Ins. | ° | | | Ins. | ° | ° | ° | ° | | | | | | | | | | | | |
| SCANDINAVIA. | | | | | | | | | | | | | | | | | | | | |
| Haparanda ... | | | | | | | | | | | | | | | | | | | | |
| Hernösand ... | 29.84 | 37 | 2 | 0 | bc | 29.73 | -05 | 30 | 29 | -6 | 2 | 0 | f | # | # | bc | 41 | 30 | - | |
| Stockholm ... | 29.91 | 38 | 2 | 0 | o | 29.85 | +01 | 42 | 41 | +6 | S | 2 | 0 | # | # | c | 45 | 34 | - | |
| Wisby ... | 29.99 | 46 | nnw | 4 | bc | 29.97 | +07 | 49 | 47 | +6 | W | 4 | e | # | # | bc | ? | 39 | - | |
| Bodö ... | 29.53 | 41 | S | 4 | c | 29.42 | -2.9 | 39 | 36 | +4 | ESE | 2 | 0 | 0 | 0 | c | 41 | 32 | 0.51 | |
| Christiansund... | 29.75 | 43 | nnw | 6 | r | 29.26 | -4.0 | 49 | 46 | 0 | SSW | 3 | r | 5 | r | r | 50 | 43 | 0.16 | |
| Skudesnaes ... | 29.93 | 52 | SSW | 4 | o | 29.58 | -4.1 | 53 | 51 | +2 | SSW | 7 | 0 | 5 | c, u | 52 | 46 | - | | |
| Christiania Fjord (Færder) | 29.89 | 52 | SSW | 4 | bc | 29.68 | -2.6 | 52 | 50 | +6 | SSW | 6 | 0 | 5 | bc | 52 | 46 | 0.04 | | |
| Skagen (The Scaw) | 29.99 | 51 | nnw | 2 | c | 29.82 | -1.6 | 51 | 50 | +3 | SW | 4 | m | 1 | c | 52 | 45 | 0.04 | | |
| Fanö ... | 30.14 | 53 | W | 4 | c | 29.96 | -2.1 | 54 | 50 | +3 | W | 4 | c | # | c | 54 | 50 | - | | |
| Sumburgh Head | 29.73 | 49 | W | 3 | c | 29.32 | -5.1 | 46 | 45 | -2 | W | 3 | r | 4 | c | 52 | 44 | 0.09 | | |
| Stornoway ... | 29.71 | 49 | W | 4 | o | 29.43 | -5.2 | 45 | 44 | -2 | W | 4 | 0 | 4 | o | 52 | 43 | 0.06 | | |
| Wick ... | 29.74 | 50 | W | 3 | o | 29.43 | -5.2 | 46 | 45 | 0 | SW | 4 | 0 | 3 | o | 55 | 44 | 0.15 | | |
| Nairn ... | 29.75 | 55 | W | 4 | o | 29.46 | -4.9 | 50 | 49 | -3 | nnw | 2 | r | 1 | o | 56 | 49 | 0.40 | | |
| Aberdeen ... | 29.86 | 54 | SSW | 6 | cqu | 29.50 | -5.3 | 52 | 48 | +1 | SW | 3 | og | 3 | cqu | 58 | 51 | 0.06 | | |
| Leith ... | 29.97 | 53 | SW | 4 | o | 29.87 | -5.4 | 55 | 54 | +3 | nnw | 5 | r | # | o | 57 | 50 | 0.04 | | |
| Shields ... | 30.05 | 54 | SW | 3 | o | 29.72 | -4.7 | 54 | 52 | +1 | SSW | 5 | 0 | 2 | c, o | 57 | 47 | - | | |
| Spurn Head ... | 30.20 | 52 | SSW | 4 | o | 29.92 | -3.8 | 57 | 48 | +2 | S | 4 | c | 4 | c, o | 55 | 48 | - | | |
| York ... | 30.19 | 54 | SSW | 2 | o | 29.86 | -4.3 | 54 | 50 | +5 | SW | 4 | 0 | # | o | 58 | 48 | - | | |
| Loughborough | 30.27 | 51 | SW | 3 | c | 30.01 | -2.6 | 51 | 47 | +3 | SSW | 4 | cm | # | c | 57 | 48 | - | | |
| ARDROSSAN | 29.97 | 54 | SSW | 4 | op | 29.59 | -5.5 | 52 | 51 | -1 | SW | 3 | r | 4 | op | 54 | 51 | 0.48 | | |
| Malin Head ... | 29.86 | 54 | SSW | 6 | op | 29.59 | -5.0 | 49 | 49 | -3 | SW | 6 | or | 4 | op | 55 | 49 | 0.53 | | |
| Mullaghmore ... | | | | | | | | | | | | | | | | | | | | |
| Belmullet ... | 29.96 | 56 | SW | 6 | ru | 29.72 | -4.5 | 50 | 48 | -5 | HW | 5 | 0 | # | o, ru | 57 | 50 | 0.83 | | |
| Donaghadee ... | 30.06 | 54 | SW | 4 | c | 29.66 | -5.7 | 56 | 54 | +6 | nnw | 6 | 0 | 4 | c | 57 | 50 | 0.03 | | |
| BRITISH ISLANDS | | | | | | | | | | | | | | | | | | | | |
| Liverpool (Bidston) | 30.20 | 53 | SW | 3 | o | 29.87 | -4.7 | 54 | 50 | +4 | SW | 5 | c | 4 | o | 57 | 50 | - | | |
| Holyhead ... | 30.17 | 55 | SW | 4 | og | 29.85 | -4.6 | 56 | 54 | +2 | SW | 6 | ogmy | 5 | og | 56 | 53 | - | | |
| Parsonstown ... | 30.14 | 54 | SW | 2 | og | 29.77 | -5.1 | 57 | 54 | +6 | SSW | 6 | og | # | og | 58 | 49 | - | | |
| Valencia ... | 30.18 | 56 | SSW | 4 | og | 29.87 | -4.7 | 58 | 57 | +4 | SW | 6 | ogm | # | ogm | 58 | 53 | 0.05 | | |
| Roche's Point | 30.21 | 56 | nnw | 4 | o | 29.94 | -4.3 | 57 | 56 | +4 | nnw | 4 | r | 4 | o | 57 | 52 | 0.04 | | |
| Pembroke (St. Ann's Hd.) | 30.26 | 55 | SW | 5 | c | 29.99 | -3.9 | 56 | 54 | +2 | nnw | 7 | og | 7 | o, c | 56 | 54 | - | | |
| Scilly ... | 30.32 | 55 | S | 3 | c | 30.11 | -3.2 | 57 | 52 | +4 | SSW | 4 | c | 3 | c | 57 | 51 | - | | |
| Prawle Point ... | 30.36 | 52 | SW | 2 | c | 30.14 | -3.1 | 54 | 51 | +2 | SW | 5 | og | 4 | o, c | 54 | 51 | - | | |
| Jersey (St. Aubin's) | 30.38 | 49 | SE | 1 | bcum | 30.23 | -2.4 | 53 | 48 | +2 | SW | 3 | cm | 3 | o, bcum | 56 | 41 | - | | |
| Hurst Castle ... | 30.36 | 54 | W | 2 | c | 30.15 | -3.0 | 55 | 50 | +10 | nnw | 4 | og | 2 | c | 57 | 45 | - | | |
| Dungeness ... | 30.35 | 51 | nnw | 3 | o | 30.14 | -2.8 | 55 | 51 | +11 | nnw | 5 | 0 | 4 | o | 57 | 43 | - | | |
| North Foreland | 30.34 | 49 | nnw | 2 | c | 30.14 | -2.8 | 53 | 49 | +5 | SW | 2 | og | 2 | o, c | 53 | 47 | - | | |
| London ... | 30.35 | 49 | nnw | 2 | bc | 30.14 | -3.0 | 52 | 48 | +6 | nnw | 2 | og | # | o, bc | 55 | 45 | - | | |
| Oxford ... | 30.31 | 49 | SSW | 3 | o | 30.09 | -3.4 | 51 | 47 | +6 | SSW | 3 | 0 | # | o | 54 | 45 | - | | |
| Cambridge ... | 30.31 | 48 | SSW | 2 | o | 30.07 | -3.4 | 50 | 47 | +4 | SSW | 5 | 0 | # | o | 54 | 43 | - | | |
| Yarmouth ... | 30.28 | 49 | SW | 3 | bc | 30.06 | -3.1 | 50 | 48 | +4 | SW | 4 | og | 3 | bc | 52 | 46 | - | | |
| GERMANY & HOLLAND | | | | | | | | | | | | | | | | | | | | |
| Cuxhaven ... | 30.24 | 48 | nnw | 3 | bc | 30.16 | -1.6 | 48 | 46 | -3 | SW | 4 | f | # | bc | 51 | 47 | - | | |
| Berlin ... | 30.30 | 49 | nnw | 3 | o | 30.28 | +0.2 | 47 | 45 | +1 | SW | 2 | f | # | o | 52 | 46 | - | | |
| Wiesbaden ... | | # | # | # | # | 30.34 | -1.0 | 40 | 39 | -8 | 2 | 0 | c | # | # | 54 | 39 | - | | |
| Munich ... | 30.03 | 40 | SE | 2 | b | 30.38 | -0.7 | 38 | 38 | -3 | SW | 2 | c | # | b | 48 | 34 | - | | |
| The Helder ... | 30.30 | 53 | SW | 3 | c | 30.14 | -2.5 | 53 | 49 | +1 | nnw | 6 | c | 4 | c | 54 | 52 | - | | |
| FRANCE AND BELGIUM. | | | | | | | | | | | | | | | | | | | | |
| Brussels (9 a.m.) | | # | # | # | # | 30.28 | -1.7 | 42 | 40 | -6 | SW | 2 | c | # | o | 51 | 40 | - | | |
| Cape Gris Nez | 30.33 | 54 | nnw | 2 | o | 30.17 | -2.4 | 53 | 49 | +2 | SW | 5 | 0 | 5 | o | 55 | 43 | - | | |
| Paris ... | 30.40 | 44 | NE | 1 | b | 30.30 | -1.5 | 30 | 30 | -12 | 2 | 0 | b | # | b | 56 | 30 | - | | |
| Brest ... | | 55 | 2 | 0 | c | | | 55 | 53 | +7 | nnw | 3 | 0 | 2 | c | 61 | 48 | - | | |
| Lorient ... | 30.37 | 54 | 2 | 0 | b | 30.25 | -1.8 | 50 | 49 | +2 | E | 4 | c | 2 | b | 61 | 46 | - | | |
| Rochefort ... | 30.25 | 55 | ESE | 3 | c | 30.25 | -1.0 | 47 | 46 | +1 | ESE | 3 | b | # | bc | 64 | 45 | - | | |
| Belfort ... | | 55 | E | 1 | c | | | 41 | 41 | | E | 1 | b | # | c | 58 | 39 | - | | |
| Lyons ... | 30.41 | 49 | W | 1 | b | 30.39 | -0.0 | 36 | 36 | -10 | nnw | 1 | f | # | b | 59 | 35 | - | | |
| Nice ... | 30.28 | 61 | 2 | 0 | b | 30.32 | +1.6 | 55 | 50 | -2 | E | 1 | b | # | b | 70 | 54 | - | | |
| Perpignan ... | 30.30 | 55 | 2 | 0 | b | 30.32 | +0.0 | 46 | 45 | -12 | SW | 1 | b | # | b | 74 | 44 | - | | |
| Biarritz ... | 30.28 | 58 | nnw | 2 | b | 30.21 | -0.6 | 51 | 50 | 0 | ESE | 4 | b | 3 | b | 64 | 46 | - | | |
| PENINSULA. | | | | | | | | | | | | | | | | | | | | |
| Corunna ... | | # | # | # | # | | | | | | | | | | # | | | | | |
| Lisbon ... | 30.13 | 63 | nnw | 3 | b | 30.19 | +0.2 | 57 | 52 | -3 | nnw | 4 | b | # | # | 72 | 55 | - | | |

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 25th Oct. 1893.

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

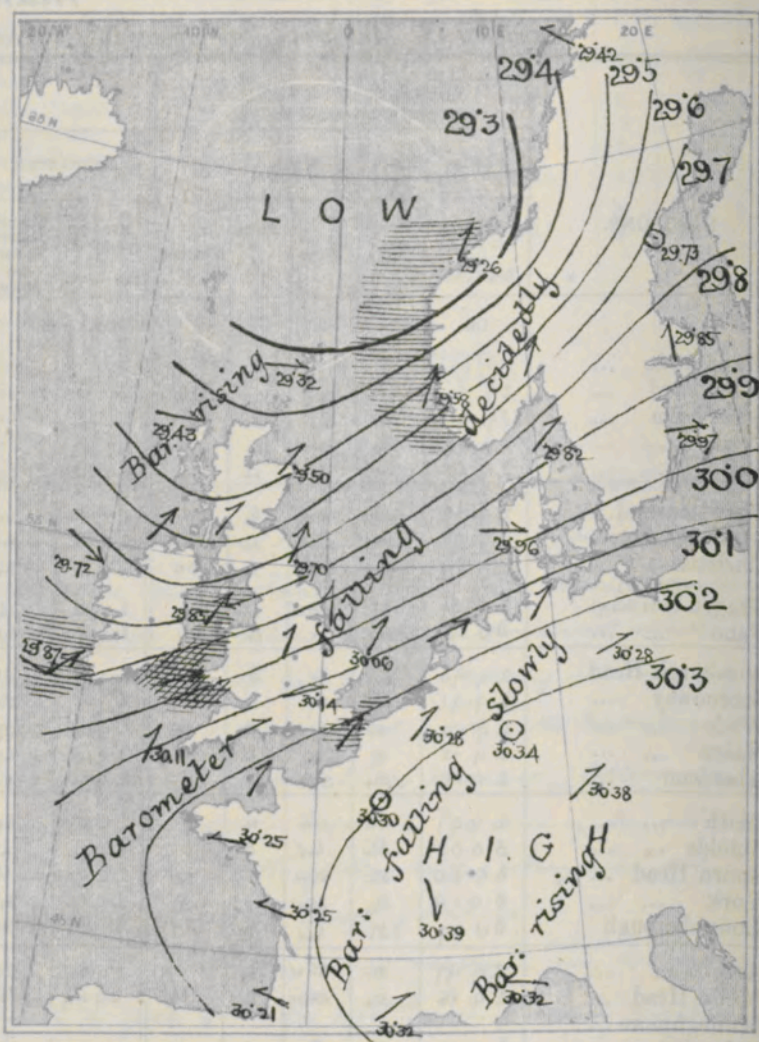
at 8.0 a.m. for the month of October.

During the 20 Years 1871—1890.

STATIONS.

MEAN READINGS.

| STATIONS. | MEAN READINGS. |
|---------------|----------------|
| Sumburgh Head | 29.726 |
| Stornoway | 29.756 |
| Wick | 29.763 |
| Nairn | 29.779 |
| Aberdeen | 29.793 |
| Leith | 29.822 |
| Shields | 29.846 |
| Spurn Head | 29.867 |
| York | 29.882 |
| Loughborough | 29.904 |
| Ardrossan | 29.831 |
| Mullaghmore | 29.845 |
| Donaghadee | 29.850 |
| Holyhead | 29.872 |
| Liverpool | 29.879 |
| Parsonstown | 29.897 |
| Valencia | 29.896 |
| Roche's Point | 29.892 |
| Pembroke | 29.888 |
| Scilly | 29.910 |
| Prawle Point | 29.931 |
| Jersey | 29.925 |
| Hurst Castle | 29.922 |
| Dover | 29.916 |
| LONDON | 29.923 |
| Oxford | 29.924 |
| Cambridge | 29.912 |
| Yarmouth | 29.894 |



GENERAL SITUATION AT 8 A.M.

PRESSURE

Highest, 30.3 ins: and more to 30.2 ins: over Germany and France.
 Lowest, 29.3 ins: and less, off our extreme northern coasts and the west coast of Norway.
 Gradients steep over the North Sea and British Islands.
 Barometer after falling fast generally has begun to rise again over Scotland.

TEMPERATURE

Highest, 58° at Valencia Island, 57° at Rocher, Lill, and Lillow, and 54° to 55° along the south coast of England and at Louth.
 Lowest, (1) 30° at Hemsland, 30° at Bodø; (2) 30° at Paris, 36° at Lyons, 38° at Munich, 40° at Wiesbaden.
 The maxima recorded yesterday did not touch 60° at any of our own stations, but reached 70° at Nice, and 74° at Perpignan.

WIND

SW³ over nearly the whole of the British Islands and North Sea, and moderate to very strong in force; at Kilmullet, however, it has shifted to NW.
 Light to moderate ^{breezes} from the E² still prevail over the Bay of Biscay, and varying light breezes over France and Germany, with calms in places.

WEATHER

Cloudy and squally over the British Islands and the North Sea as a whole, with rain in places; very fine and bright over France.
 Rainfall has been heavy on our extreme northern coasts.
 Solar and lunar halos were seen in many parts of England yesterday and a "Mock Sun" at the North Foreland.

SEA

Very rough on our southern coasts, rather rough in the far north and northwest, moderate in the Channel.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

A shift of wind to the northward is likely to take place with showery weather in all parts of the Kingdom during the coming twenty-four hours; a fall of temperature will follow, for a time.

FORECASTS

For the 24 hours ending at NOON on 26th OCT^r 1893.

DISTRICTS.

FORECASTS.

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

Wind shifting to NW; colder, showery, bright intervals.
 SW² to NW² winds; changeable, showery, then colder and fair.
 Same as N° 5
 Same as N° 1 and 2
 SW² winds, fresh or strong, squally; then NW², clearer and colder.

DISTRICTS.

FORECASTS.

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



Same as N° 0

Same as N° 5.

NW² winds, strong to moderate; colder, and tending to clear up.

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 ... | 29.99 | 52 | 50 | WSTW | 4 | c | 4 | Valencia ... | 30.25 | 58 | 55 | SSW | 4 | SW | 4 |
| Sumburgh Head | 29.83 | 50 | 45 | W | 3 | c | 4 | Scilly ... | 30.37 | 56 | 51 | S | 3 | c | 3 |
| Stornoway ... | 29.88 | 51 | 48 | W | 4 | o | 4 | Jersey ... | 30.44 | 56 | 50 | SE | 1 | o | 1 |
| Aberdeen ... | 29.95 | 55 | 52 | SSW | 4 | cq | 3 | Hurst Castle ... | 30.39 | 55 | 50 | W | 3 | c | 1 |
| Shields ... | 30.14 | 57 | 52 | WSTW | 3 | e | 2 | Dungeness ... | 30.37 | 55 | 50 | WSTW | 3 | o | 2 |
| Ardrossan ... | 30.06 | 54 | 53 | SW | 3 | o | 3 | North Foreland ... | 30.36 | 53 | 48 | WSTW | 2 | o | 2 |
| Malin Head ... | 30.00 | 55 | 53 | SSW | 6 | o | 4 | London (Westminster) | 30.37 | 56 | 49 | WSTW | 2 | o | 2 |
| Mullaghmore ... | | | | | | | | Yarmouth ... | 30.31 | 52 | 48 | WSTW | 3 | c | 3 |
| Belmullet ... | 30.06 | 57 | 55 | SW | 5 | o | * | Rochefort ... | 30.35 | 62 | 57 | ENE | 3 | b | * |
| Holyhead ... | 30.24 | 56 | 52 | WSTW | 4 | o | 4 | | | | | | | | |

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

Weather fair over the greater part of our Islands, but dull in many places and showery at one or two of our northern stations. Fine in Sweden as well as over the greater part of France and southern Europe; dull in Russia, Germany, Eastern Austria, and the west of Norway, with rain in a few places and with snow at Archangel. Heavy rain falling later in the extreme northwest of our Islands; no important change occurring elsewhere.

Temperature risen in most of the northwestern countries, as well as in Italy and Austria, but fallen elsewhere. Morning readings highest 69° at Malta, 68° at Barcelona, 67° at Oporto, and 66° at Rhindini; above 55° over Southern Europe generally, and above 50° in many parts of the United Kingdom. Lowest 23° at Archangel, 34° at Haparanda, and 35° at Bodo and Moscow, below 40° at most of the Scandinavian and northern Russian stations. Rising during day to between 55° and 58° in most parts of the United Kingdom, exceeding 60° in France, and reaching 74° at Perpignan.

Wind light to moderate from the SW^W over all but the extreme southern part of our Islands, and strong from the same quarter in the west of Norway. W^W or NW^W over Sweden, Denmark, Germany and the Baltic, SW^W over the central and southern parts of Russia. Light from the E^W or NE^W in France and Spain, and from the N^W over the greater part of Italy. S^W or SE^W in Algeria. Subsequently increasing to a strong breeze from the SW^W on some of the more exposed parts of our north and northwest coasts.

Barometer highest 30.4 ins. and upwards over the south of England, the north of France, Belgium, and southwestern Germany. Lowest 29.3 ins. and less, in a depression over Lapland, 29.7 ins. and less, in another disturbance off the west of Norway. Secondary disturbances beginning to approach our Islands later, and barometer falling decidedly on our western and northern 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 Thursday, 26th October, 1893

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. | | | |
| | | | | Force (0 to 12). | Direc. | | 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. | | | | |
| | | | | | | | | | | | | | | | | | | | Dry Bulb. | | |
| Ina. | | ° | | | | Ina. | ° | ° | ° | | | | | | ° | Ina. | | | | | |
| SCANDINAVIA. | Haparanda ... | ? | 35 | S | 6 | 0 | 28.97 | | 39 | 39 | | ? | ? | f | # | 0 | 43 | 30 | 0.67 | | |
| | Hernösand ... | 29.28 | 45 | S | 8 | 1 | 29.06 | - 67 | 43 | 41 | + 13 | WSW | 4 | c | # | 1 | 43 | 30 | 0.24 | | |
| | Stockholm ... | 29.56 | 48 | S | 2 | 0 | 29.32 | - 53 | 49 | 48 | + 7 | SW | 4 | 0 | # | 0 | 50 | 34 | 0.08 | | |
| | Wisby ... | 29.76 | 48 | SSW | 8 | 0 | 29.49 | - 48 | 46 | 45 | - 3 | SW | 8 | 0 | # | 0 | 50 | 43 | | | |
| | Bodö ... | 29.19 | 39 | ESE | 2 | 1 | 29.12 | - 30 | 37 | 35 | - 2 | E | 2 | bc | 1 | 1 | 45 | 36 | 0.35 | | |
| | Christiansund... | 29.22 | 42 | SW | 3 | c | 29.08 | - 18 | 41 | 39 | - 8 | SW | 3 | 1 | 6 | c | 49 | 41 | 1.38 | | |
| | Skudesnaes ... | 29.96 | 48 | W | 4 | 0 | 29.19 | - 39 | 45 | 42 | - 8 | WNW | 4 | 0 | 4 | 0 | 54 | 41 | | | |
| | Christiania Fjord (Færdar) | 29.34 | 52 | SSW | 9 | 1 | 29.23 | - 45 | 48 | 44 | - 4 | WSW | 5 | bc | 5 | 1 | 52 | 48 | | | |
| | Skagen (The Scaw) | 29.40 | 54 | WSW | 3 | 0 | 29.32 | - 50 | 46 | 45 | - 5 | W | 2 | c | 1 | 0 | 54 | 46 | 0.12 | | |
| | Fanö ... | 29.63 | 54 | SW | 6 | 0 | 29.47 | - 49 | 50 | 46 | - 4 | W | 6 | c | # | 0 | 55 | 50 | 0.20 | | |
| ISLANDS. | Sumburgh Head | 29.21 | 44 | W | 4 | c | 29.14 | - 18 | 41 | 38 | - 5 | WNW | 4 | c | 4 | c | 47 | 37 | 0.26 | | |
| | Stornoway ... | 29.29 | 43 | WNW | 5 | 0 | 29.42 | - 01 | 38 | 37 | - 7 | W | 4 | c | 4 | c, o | 49 | 36 | 0.12 | | |
| | Wick ... | 29.29 | 37 | SW | 2 | bc | 29.26 | - 17 | 37 | 36 | - 9 | WNW | 3 | cps | 3 | bc | 48 | 35 | 0.10 | | |
| | Nairn ... | 29.36 | 40 | WSW | 1 | b | 29.37 | - 09 | 38 | 37 | - 12 | WSW | 1 | c | 1 | b | 51 | 35 | 0.27 | | |
| | Aberdeen ... | 29.42 | 41 | SW | 2 | b | 29.36 | - 14 | 39 | 36 | - 13 | W | 3 | bcw | 3 | ot, b | 53 | 36 | 0.19 | | |
| | Leith ... | 29.50 | 45 | WSW | 3 | b | 29.45 | - 12 | 39 | 37 | - 16 | WSW | 3 | b | # | b, t | 55 | 37 | 0.68 | | |
| | Shields ... | 29.59 | 49 | W | 3 | b | 29.51 | - 21 | 42 | 39 | - 12 | WSW | 5 | c | 2 | t, b, t | 61 | 37 | 0.16 | | |
| | Spurn Head ... | 29.66 | 54 | SSW | 6 | 0 | 29.63 | - 29 | 47 | 44 | - 4 | WSW | 5 | b | 4 | b, op | 58 | 45 | 0.04 | | |
| | York ... | 29.65 | 53 | W | 3 | 0 | 29.65 | - 21 | 46 | 42 | - 8 | WNW | 5 | c | # | 0 | 60 | 42 | 0.19 | | |
| | Loughborough | 29.75 | 55 | SW | 6 | 0 | 29.75 | - 26 | 45 | 42 | - 6 | WSW | 5 | bq | # | o, t | 58 | 44 | 0.16 | | |
| BRITISH. | Ardrossan ... | 29.55 | 46 | WSW | 5 | cq, p | 29.55 | - 04 | 44 | 42 | - 8 | WNW | 5 | bq, p | 4 | q, p, h | 52 | 40 | 0.72 | | |
| | Malin Head ... | 29.49 | 47 | W | 7 | oq, h | 29.62 | + 03 | 46 | 42 | - 3 | WNW | 6 | cq, p, h | 4 | o, h, q | 49 | 41 | 0.38 | | |
| | Mullaghmore ... | | | | | | | | | | | | | | | | | | | | |
| | Belmullet ... | 29.68 | 49 | WSW | 6 | cq, p | 29.81 | + 09 | 48 | 44 | - 2 | WNW | 4 | 0 | # | c, p, l | 51 | 44 | 0.20 | | |
| | Donaghadee ... | 29.66 | 45 | WSW | 4 | 0 | 29.69 | + 03 | 42 | 40 | - 14 | WNW | 5 | bc | 3 | 0 | 56 | 40 | 0.28 | | |
| | Liverpool (Bldston) | 29.72 | 50 | W | 6 | 0 | 29.72 | - 15 | 46 | 42 | - 8 | W | 8 | bc | 6 | 0 | 59 | 45 | 0.15 | | |
| | Holyhead ... | 29.77 | 50 | W | 4 | c | 29.77 | - 08 | 46 | 43 | - 10 | WNW | 6 | bcq | 6 | q, m, c | 58 | 46 | 0.21 | | |
| | Parsonstown ... | 29.80 | 45 | SSW | 2 | bc | 29.86 | + 07 | 43 | 40 | - 14 | W | 1 | bc | # | b | 58 | 45 | 0.20 | | |
| | Valencia ... | 29.93 | 51 | WSW | 7 | bc | 29.99 | + 12 | 52 | 49 | - 6 | WNW | 5 | om | 5 | c, m, bc | 58 | 48 | 0.20 | | |
| | Roche's Point | 29.90 | 52 | WNW | 4 | bc | 29.94 | - 00 | 48 | 46 | - 9 | WSW | 3 | bc | 3 | bc | 58 | 46 | 0.02 | | |
| GERMANY & HOLLAND. | Pembroke (St. Ann's Hd.) | 29.85 | 53 | WNW | 4 | 1 | 29.89 | - 10 | 51 | 46 | - 5 | WNW | 6 | bc | 6 | 1 | 57 | 49 | 0.15 | | |
| | Scilly ... | 29.96 | 57 | WSW | 6 | 0 | 30.01 | - 10 | 53 | 50 | - 4 | WNW | 5 | cq | 5 | 0 | 60 | 51 | 0.02 | | |
| | Prawle Point ... | 29.97 | 55 | SW | 6 | 0 | 29.97 | - 17 | 50 | 48 | - 4 | WSW | 5 | c | 4 | o, p | 56 | 48 | 0.02 | | |
| | Jersey (St. Aubin's) | 30.08 | 57 | WSW | 5 | cq | 30.02 | - 21 | 53 | 50 | + 2 | W | 5 | cq | 4 | cq | 58 | 52 | 0.06 | | |
| | Hurst Castle ... | 29.97 | 57 | WSW | 7 | cq | 29.93 | - 22 | 52 | 49 | - 3 | WSW | 6 | b | 6 | oq, c | 58 | 50 | | | |
| | Dungeness ... | 29.93 | 57 | WSW | 6 | 0 | 29.87 | - 27 | 52 | 49 | - 3 | WNW | 6 | b | 5 | c, oq | 57 | 49 | 0.12 | | |
| | North Foreland | 29.94 | 55 | S | 4 | oq | 29.86 | - 28 | 49 | 46 | - 6 | W | 4 | bq | 3 | o, oq | 56 | 45 | 0.07 | | |
| | London ... | 29.92 | 55 | SW | 4 | 0 | 29.85 | - 29 | 48 | 45 | - 4 | WSW | 3 | b | # | o, q, p, b | 56 | 45 | 0.07 | | |
| | Oxford ... | 29.81 | 54 | SSW | 5 | 0 | 29.85 | - 24 | 46 | 43 | - 5 | WSW | 2 | b | # | oq, t | 57 | 44 | 0.06 | | |
| | Cambridge ... | 29.82 | 54 | S | 7 | 0 | 29.79 | - 28 | 47 | 44 | - 3 | SSW | 6 | b | # | 0 | 56 | 43 | 0.07 | | |
| Yarmouth ... | 29.83 | 52 | SW | 5 | c | 29.71 | - 35 | 46 | 44 | - 4 | W | 5 | bq | 3 | o, c | 54 | 44 | 0.06 | | | |
| FRANCE AND BELGIUM. | Cuxhaven ... | 29.96 | 50 | SW | 5 | f | 29.61 | - 55 | 49 | 49 | + 1 | SW | 5 | f | # | f | 50 | 48 | 0.04 | | |
| | Berlin ... | 30.08 | 44 | SW | 2 | b | 29.83 | - 45 | 42 | 42 | - 5 | SSW | 3 | bc | # | b | 52 | 41 | | | |
| | Wiesbaden ... | | | | | | 30.00 | - 34 | 42 | 41 | + 2 | Z | 0 | bc | # | # | 52 | 39 | | | |
| | Munich ... | 30.26 | 45 | Z | 0 | bc | 30.12 | - 26 | 48 | 45 | + 10 | SW | 5 | bc | # | bc | 59 | 37 | | | |
| | The Helder ... | 29.87 | 55 | SW | 7 | c | 29.72 | - 42 | 52 | 47 | - 1 | WSW | 7 | c | 4 | c | 55 | 50 | 0.16 | | |
| | Brussels (9 a.m.) | | | | | | 29.90 | - 38 | 48 | 47 | + 6 | SW | 5 | c | # | c | 53 | 42 | 0.04 | | |
| | Cape Gris Nez | 29.97 | 55 | WSW | 6 | 0 | 29.83 | - 34 | 54 | 51 | + 1 | WNW | 6 | b | # | 0 | 55 | 48 | 0.08 | | |
| | Paris ... | 30.13 | 47 | SSW | 2 | b | 30.02 | - 28 | 48 | 47 | + 18 | SSW | 3 | 0 | # | 0 | 56 | 30 | | | |
| | Brest ... | ? | 57 | SW | 4 | 0 | ? | ? | 54 | 51 | - 1 | WNW | 4 | c | 3 | 0 | 59 | 50 | 0.08 | | |
| | Lorient ... | 30.11 | 56 | W | 4 | c | 30.07 | - 18 | 54 | 51 | + 4 | WNW | 4 | 0 | 3 | c | 59 | 48 | | | |
| PENINSULA. | Rochefort ... | 30.15 | 66 | Z | 0 | b | 30.12 | - 13 | 52 | 52 | + 5 | Z | 0 | 0 | # | b | 68 | 47 | | | |
| | Belfort ... | ? | 46 | W | 2 | bc | ? | ? | 53 | 52 | + 12 | W | 2 | 0 | # | bc | 64 | 34 | | | |
| | Lyons ... | 30.25 | 59 | S | 1 | b | 30.18 | - 21 | 50 | 47 | + 14 | W | 1 | b | # | b | 67 | 36 | | | |
| | Nice ... | 30.30 | 58 | Z | 0 | b | 30.20 | - 12 | 53 | 51 | - 2 | E | 2 | b | 1 | b | 70 | 50 | | | |
| | Perpignan ... | 30.21 | 59 | Z | 0 | b | 30.15 | - 17 | 50 | 50 | + 4 | W | 1 | c | # | b | 68 | 46 | | | |
| | Biarritz ... | 30.15 | 67 | S | 2 | b | 30.19 | - 02 | 61 | 59 | + 10 | WSW | 3 | 1 | 2 | b | 72 | 51 | 0.24 | | |

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, 26th October, 1893.

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

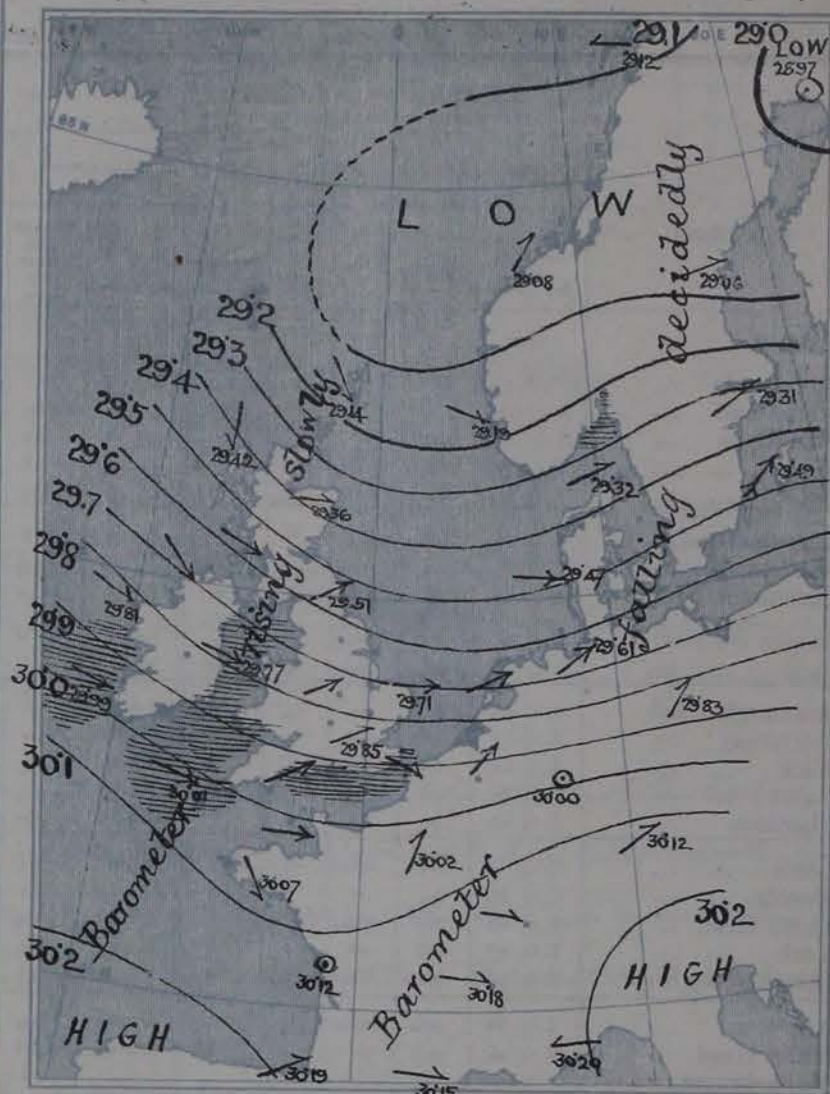
at 8.0 a.m. for the month of October.

During the 20 Years 1871—1890.

STATIONS.

MEAN READINGS.

| STATIONS. | MEAN READINGS. |
|---------------|----------------|
| Sumburgh Head | 29.726 |
| Stornoway | 29.756 |
| Wick | 29.763 |
| Nairn | 29.779 |
| Aberdeen | 29.793 |
| Leith | 29.822 |
| Shields | 29.846 |
| Spurn Head | 29.867 |
| York | 29.882 |
| Loughborough | 29.904 |
| Ardrossan | 29.831 |
| Mullaghmore | 29.845 |
| Donaghadee | 29.850 |
| Holyhead | 29.872 |
| Liverpool | 29.879 |
| Parsonstown | 29.897 |
| Valencia | 29.896 |
| Roche's Point | 29.892 |
| Pembroke | 29.888 |
| Scilly | 29.910 |
| Prawle Point | 29.931 |
| Jersey | 29.925 |
| Hurst Castle | 29.922 |
| Dover | 29.916 |
| LONDON | 29.923 |
| Oxford | 29.924 |
| Cambridge | 29.912 |
| Yarmouth | 29.894 |



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 October.)

| STATIONS. | TEMPERATURE. | | | | RAINFALL (Inches.) |
|---------------|---------------|---------------|-----------|------|-----------------------|
| | Daily Max. | Daily Min. | AT 8 A.M. | | |
| | | | Dry. | Wet. | |
| Sumburgh Head | 49.8 | 41.6 | 46.0 | 44.3 | 4.27 |
| Stornoway | 51.0 | 40.5 | 45.6 | 44.5 | 5.04 |
| Wick | 51.7 | 40.5 | 46.3 | 44.6 | 3.02 |
| Nairn | 51.9 | 40.8 | 44.8 | 42.9 | 2.38 |
| Aberdeen | 52.5 | 41.4 | 45.6 | 43.6 | 2.87 |
| Leith | 54.7 | 41.8 | 46.7 | 44.9 | 1.97 |
| Shields | 53.2 | 42.7 | 47.2 | 45.4 | 2.48 |
| Spurn Head | 53.3 | 45.7 | 48.8 | 47.3 | 2.27 |
| York | 54.5 | 41.4 | 45.9 | 44.5 | 2.60 |
| Loughborough | 55.7 | 41.1 | 45.9 | 44.6 | 2.80 |
| Ardrossan | 53.7 | 43.7 | 47.8 | 45.8 | 3.87 |
| Mullaghmore | 54.2 | 45.7 | 49.1 | 46.9 | 4.75 |
| Donaghadee | 53.6 | 43.6 | 47.8 | 46.6 | 3.14 |
| Holyhead | 54.7 | 47.3 | 50.3 | 48.3 | 4.31 |
| Liverpool | 53.8 | 44.7 | 47.8 | 45.8 | 3.46 |
| Parsonstown | 54.8 | 41.0 | 46.2 | 44.5 | 3.18 |
| Valencia | 56.6 | 46.8 | 51.4 | 49.2 | 5.88 |
| Roche's Point | 56.0 | 46.1 | 50.2 | 48.3 | 4.00 |
| Pembroke | 54.9 | 48.0 | 51.9 | 49.2 | 3.96 |
| Scilly | 56.6 | 50.2 | 53.7 | 51.0 | 3.70 |
| Prawle Point | 56.7 | 46.2 | 51.2 | 49.6 | 3.60 |
| Jersey | 58.2 | 48.6 | 53.3 | 50.7 | 4.45 |
| Hurst Castle | 57.1 | 45.8 | 50.8 | 49.2 | 3.26 |
| Dover | 56.1 | 46.2 | 50.2 | 48.2 | 3.22 |
| LONDON | 56.7 | 42.7 | 47.5 | 45.9 | 2.57 |
| Oxford | 55.5 | 42.2 | 46.2 | 44.0 | 2.56 |
| Cambridge | 56.5 | 41.0 | 46.4 | 45.3 | 2.27 |
| Yarmouth | 54.3 | 44.6 | 49.0 | 47.6 | 2.92 |

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 and the Bay of Biscay, and exceeding 30.0 ins: all over France and Germany.
 Lowest, 29.0 ins: and less, over the northern extremity of the Gulf of Bothnia, and below 29.1 ins: off the coast of Norway.
 Gradients somewhat steep over our Islands and the North Sea, and favourable for W^{ly} to NW^{ly} winds.
 Barometer rising over our Islands, but not rapidly, falling at the Continental stations.

TEMPERATURE

Highest, 61° at Biarritz, 55° at Jersey, 53° at Killybegs, 52° at Malinbeg.
 Lowest, 37° at Wick and Bodo, 38° at Larnaca and Kinn, 39° at Aberdeen and Leth, 42° at Berlin and Wiesbaden.
 The maxima recorded yesterday were as high as 60° to 61° in several parts of England, 70° at Nice, 72° at Biarritz. In most parts of our Islands, however, they were below 60°.

WIND

N^{ly} to W^{ly} at the Scotch stations; NW^{ly} fresh in Ireland, W^{ly} over England and the Channel — strong in most places, and blowing a fresh gale at Bidston; SW^{ly} fresh over Germany and the Baltic — a gale at Wismar.
 It has been squally on our western and southern coasts generally during the night.

WEATHER

Very clear over the southeastern half of England, cloudy, squally and showery on our western and southwestern coasts.
 Snow showers falling at Wick, hail at Malinbeg, and rain showers at Ardrossan.
 Rain has fallen very generally over our Islands, Scandinavia and the North Sea; the falls have been heavy at Haparanda, Chertkumend, Leth, and Ardrossan; at our other stations they have been moderate.

SEA

Rough in the west and south, moderate in the north, slight off our east coast — moderate at the Helder.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

A continuation of squally weather with wind veering north-westwards is probable over Ireland and England today. The night will probably be bright and cold in many places.

FORECASTS

For the 24 hours ending at NOON on 27th October, 1893.

DISTRICTS.

FORECASTS.

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

Wind veering N^W^{ly}; squally, showery, unsettled.
 W^{ly} to NW^{ly} winds, fresh, strong at times; some showers, bright intervals.

DISTRICTS.

FORECASTS.

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

NW^{ly} winds, strong to fresh; squally showery.
 NW^{ly} winds, strong; squally, showery.
 Same as Nos 6 and 7.
 NW^{ly} winds, fresh to moderate; fair as a whole.

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 ... | 29.42 | 51 | 51 | SW | 6 | r | 5 | Valencia ... | 29.92 | 54 | 51 | W | 4 | cm | 5 |
| Sumburgh Head ... | 29.27 | 46 | 42 | W | 3 | o | 4 | Soilly ... | 30.02 | 58 | 55 | SW | 5 | o | 4 |
| Stornoway ... | 29.35 | 49 | 47 | W | 4 | bc | 4 | Jersey ... | 30.16 | 50 | 50 | SW | 3 | o | 3 |
| Aberdeen ... | 29.44 | 48 | 46 | SW | 2 | or | 3 | Hurat Castle ... | 30.03 | 57 | 52 | WSW | 7 | ag | 6 |
| Shields ... | 29.54 | 55 | 52 | WSW | 6 | r | 2 | Dungeness ... | 30.01 | 57 | 53 | WSW | 5 | c | 4 |
| Ardrossan ... | 29.56 | 49 | 47 | WSW | 4 | o | 4 | North Foreland ... | 30.00 | 56 | 50 | SW | 2 | o | 4 |
| Malin Head ... | 29.57 | 48 | 44 | W | 6 | o | 4 | London (Westminster) ... | 29.98 | 56 | 51 | WSW | 3 | og | * |
| Mullaghmore ... | | | | | | | | Yarmouth ... | 29.91 | 54 | 50 | SW | 4 | c | 3 |
| Belmullet ... | 29.73 | 51 | 45 | WSW | 6 | c | * | Rochefort ... | 30.21 | 66 | 62 | SSW | 2 | b | * |
| Holyhead ... | 29.72 | 53 | 53 | WSW | 5 | imgg | 5 | | | | | | | | |

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

Weather in morning dull over Northwestern, northern, and Central Europe, with rain in Ireland and Scotland, as well as at some of the Scandinavian stations, and with snow at Moscow. Fine and bright over France, Spain, Italy, Austria and the extreme south of Russia. Rain falling later in all parts of our Islands—amounts large at some of our northern stations, and also in the north of Scandinavia. Lightning seen at Belmullet at night.

Temperature risen in most of the northwestern and northern countries, but fallen elsewhere. Morning readings highest, 63° at Malta and Algiers, 66° at Barcelona, and 65° at Palermo; above 60° at several of the Mediterranean and Adriatic stations, and above 55° on our own western coast. Lowest 10° at Archangel, 30° at Helsingfors, 32° at Haparanda, and 33° at Pudas and Kier; (2) 30° at Paris and 36° at Lyons. Rising during day to between 55° and 60° in most parts of England and Ireland, but remaining below 50° in the extreme north of Scotland. Reaching 70° or more in the south of France.

Wind fresh or strong from the SW over our Islands and the eastern shore of the North Sea; light from the same quarter or from S. over Germany, the Baltic, and Finland. Light from the NW over the central and southern parts of Russia, from the N over Italy, from the NE in Spain, and from the E in the west and south of France. Variable in Austria and also in Central France. Subsequently veering to the W in most parts of the United Kingdom. No important change occurring elsewhere.

Barometer highest 30.4 ins. and upwards over the northern part of Austria; 30.2 ins. and upwards in a large anticyclone covering the whole of Central and southern Europe. Lowest 29.3 ins. and less, in a large depression lying off the Norwegian coast. Gradients rather steep over the whole of our Islands and the North Sea. Small "V" shaped secondary disturbances moving eastwards across our Islands during day, and barometer falling in most districts.

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 27th October,

1893

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 3). | 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 Yesterday Morn. | Dry Bulb. | Wet Bulb. | Change in dry since Yesterday. | | | Dir. | Force (0 to 12). | | Max. | Min. |
| | | Inch. | ° | | | | Inch. | | ° | ° | ° | | | | | ° | ° | inches. | | |
| SCANDINAVIA. | Haparanda ... | 28.98 | 31 | W | 2 | 6 | 29.01 | + .04 | 31 | 30 | - | 8 | W | 2 | 6 | # | 6 | 45 | 30 | 0.32 |
| | Hernösand ... | 29.08 | 33 | Z | 0 | 6c | 29.11 | + .05 | 34 | 33 | - | 9 | WNW | 2 | 6c | # | 6c | 48 | 30 | - |
| | Stockholm ... | 29.17 | 44 | SW | 2 | 0 | 29.26 | - .06 | 41 | 40 | - | 8 | SW | 2 | c | # | 0 | 50 | 41 | - |
| | Wisby ... | 29.34 | 46 | SW | 6 | 6 | 29.41 | - .08 | 44 | 41 | - | 2 | W | 6 | c | # | 6 | 50 | 43 | - |
| | Bodö ... | 28.98 | 37 | SE | 2 | r | 28.97 | - .15 | 39 | 37 | + | 2 | SW | 6 | c | # | r | 43 | 34 | 0.59 |
| | Christiansund... | 29.01 | 39 | E | 1 | 6c | 29.17 | + .09 | 37 | 37 | - | 4 | SW | 4 | r | 5 | 6c | 43 | 37 | 0.24 |
| | Skudesnaes ... | 29.19 | 45 | WSW | 6 | 0 | 29.22 | + .03 | 43 | 40 | - | 2 | NNW | 6 | r | 4 | 0 | 45 | 37 | - |
| | Christiania Fjord (Fæder) | 29.10 | 45 | WNW | 4 | 6 | 29.20 | - .03 | 44 | 41 | - | 4 | W | 4 | 6c | 4 | 6 | 48 | 43 | - |
| | Skagen (The Scaw) | 29.20 | 45 | W | 3 | 6c | 29.27 | - .05 | 42 | 41 | - | 4 | SW | 4 | r | 1 | 6c | 48 | 41 | 0.47 |
| | Fanö ... | 29.43 | 45 | W | 6 | 6 | 29.37 | - .10 | 43 | 41 | - | 7 | W | 6 | r | # | 6c, 6 | 52 | 43 | 0.47 |
| BRITISH ISLANDS. | Sumburgh Head | 29.11 | 40 | WNW | 4 | c | 29.49 | + .35 | 42 | 39 | + | 1 | WNW | 4 | 0 | 5 | 6c, c | 44 | 37 | 0.18 |
| | Stornoway ... | 29.47 | 41 | NNW | 6 | r | 29.69 | + .27 | 44 | 43 | + | 6 | W | 2 | c | 3 | 6c, r | 44 | 36 | 0.12 |
| | Wick ... | 29.40 | 39 | NNW | 7 | 0 | 29.61 | + .35 | 43 | 42 | + | 6 | NNW | 4 | 0 | 3 | 0.2p | 45 | 36 | 0.30 |
| | Nairn ... | 29.45 | 40 | WNW | 3 | c | 29.69 | + .32 | 42 | 40 | + | 4 | W | 1 | 6 | 1 | c | 43 | 36 | 0.11 |
| | Aberdeen ... | 29.42 | 39 | WSW | 4 | 6c | 29.70 | + .34 | 42 | 38 | + | 3 | WSW | 4 | 6c | 3 | c, 6c, p | 44 | 38 | 0.09 |
| | Leith ... | 29.53 | 40 | WSW | 2 | 6 | 29.78 | + .33 | 43 | 40 | + | 4 | WSW | 3 | c | # | 6 | 47 | 38 | - |
| | Shields ... | 29.54 | 42 | WSW | 3 | c | 29.79 | + .28 | 41 | 39 | - | 1 | W | 3 | 6 | 2 | c | 47 | 36 | - |
| | Spurn Head ... | 29.61 | 45 | WSW | 6 | 0c | 29.82 | + .19 | 44 | 42 | - | 3 | WNW | 5 | 6 | 5 | 0.2p | 48 | 41 | 0.04 |
| | York ... | 29.61 | 42 | W | 1 | 0 | 29.86 | + .21 | 40 | 38 | - | 6 | W | 2 | 6 | # | 0 | 49 | 36 | 0.05 |
| | Loughborough | 29.72 | 46 | WSW | 3 | c | 29.92 | + .17 | 42 | 41 | - | 3 | WNW | 2 | 6c | # | c | 53 | 38 | 0.06 |
| GERMANY & HOLLAND. | Ardrossan ... | 29.68 | 44 | WNW | 4 | 6c | 29.83 | + .28 | 48 | 45 | + | 4 | W | 4 | c | 3 | 6c | 48 | 42 | 0.07 |
| | Malin Head ... | 29.68 | 45 | NNW | 5 | 6c | 29.86 | + .34 | 48 | 44 | + | 2 | WNW | 5 | 0 | 3 | 0.2p | 48 | 41 | 0.08 |
| | Mullaghmore ... | 29.81 | 47 | NNW | 3 | 0 | 29.97 | + .16 | 51 | 49 | + | 3 | WNW | 3 | 0 | # | 0.2 | 51 | 43 | 0.15 |
| | Belmullet ... | 29.69 | 41 | W | 4 | 6c | 29.93 | + .24 | 42 | 40 | - | 0 | WSW | 4 | 6c | 2 | 6c | 49 | 39 | 0.07 |
| | Liverpool (Bldston) | 29.67 | 45 | W | 6 | c | 29.93 | + .21 | 48 | 43 | + | 2 | WNW | 4 | 6 | 4 | c | 49 | 42 | 0.21 |
| | Holyhead ... | 29.72 | 48 | WNW | 5 | c | 29.95 | + .18 | 48 | 44 | + | 2 | NNW | 4 | 6 | 4 | c | 51 | 46 | - |
| | Parsonstown ... | 29.81 | 46 | NNW | 1 | r | 30.03 | + .17 | 40 | 39 | - | 3 | SW | 1 | c | # | 0.2 | 50 | 35 | 0.33 |
| | Valencia ... | 29.93 | 54 | W | 7 | r | 30.11 | + .12 | 51 | 49 | - | 1 | NNW | 1 | 6 | 3 | 0.2p | 55 | 48 | 0.05 |
| | Roche's Point | 29.85 | 54 | WNW | 4 | p | 30.06 | + .12 | 49 | 48 | + | 1 | WNW | 2 | 6 | 2 | 0.2p | 55 | 47 | 0.05 |
| | Pembroke (St. Ann's Hd.) | 29.81 | 54 | WNW | 5 | c | 30.03 | + .14 | 49 | 45 | - | 2 | N | 4 | 6c | 4 | c | 54 | 46 | 0.13 |
| FRANCE AND BELGIUM. | Scilly ... | 29.95 | 56 | WNW | 6 | cp | 30.06 | + .05 | 53 | 53 | - | 0 | N | 4 | c | 5 | c | 57 | 52 | 0.06 |
| | Prawle Point ... | 29.91 | 52 | W | 5 | c | 30.05 | + .08 | 47 | 44 | - | 3 | NNW | 2 | 6c | 1 | c | 54 | 41 | 0.03 |
| | Jersey (St. Aubin's) | 29.96 | 54 | WNW | 5 | cp | 30.03 | + .01 | 53 | 48 | - | 2 | NNW | 4 | 6c | 3 | c | 58 | 51 | 0.22 |
| | Hurst Castle ... | 29.87 | 50 | W | 6 | 6c | 30.01 | + .08 | 42 | 40 | - | 10 | NNW | 2 | 6c | 2 | 6c | 55 | 39 | 0.07 |
| | Dungeness ... | 29.81 | 52 | W | 5 | c | 29.94 | + .07 | 45 | 43 | - | 7 | NNW | 3 | 6 | 2 | c | 58 | 37 | - |
| | North Foreland | 29.78 | 47 | W | 2 | 6c | 29.92 | + .06 | 46 | 43 | - | 3 | NNW | 6 | 6c | 4 | 6c | 53 | 43 | - |
| | London ... | 29.78 | 48 | W | 3 | 6c | 29.96 | + .11 | 41 | 39 | - | 7 | WSW | 2 | 6 | # | 6c | 54 | 37 | - |
| | Oxford ... | 29.79 | 45 | W | 2 | 6c | 29.98 | + .13 | 38 | 36 | - | 8 | SW | 2 | 6 | # | 6c | 53 | 37 | - |
| | Cambridge ... | 29.74 | 47 | SSW | 5 | 0 | 29.92 | + .13 | 42 | 40 | - | 5 | WSW | 4 | 6 | # | 0 | 53 | 39 | 0.05 |
| | Yarmouth ... | 29.70 | 48 | WSW | 4 | cp | 29.82 | + .11 | 41 | 39 | - | 5 | WNW | 4 | 6c | 4 | 6c | 51 | 39 | 0.03 |
| PENINSULA. | Cuxhaven ... | 29.62 | 44 | SW | 7 | 0 | 29.54 | - .07 | 44 | 43 | - | 5 | WSW | 4 | 6 | # | 6 | 49 | 42 | 0.12 |
| | Berlin ... | 29.76 | 47 | SSW | 3 | 6 | 29.64 | - .19 | 44 | 43 | + | 2 | SW | 3 | 6 | # | 6 | 55 | 32 | 0.08 |
| | Wiesbaden ... | 29.81 | 48 | SE | 2 | 6 | 29.81 | - .19 | 48 | 45 | + | 6 | NNW | 2 | r | # | # | 57 | 42 | 0.12 |
| | Munich ... | 30.00 | 48 | SE | 2 | 6 | 29.90 | - .22 | 48 | 46 | - | 0 | NNW | 3 | r | # | 6 | 61 | 46 | 0.04 |
| | The Helder ... | 29.67 | 49 | WNW | 7 | 6 | 29.72 | - .00 | 49 | 44 | - | 3 | NNW | 9 | 6 | 5 | 6 | 52 | 46 | 0.12 |
| | Brussels (9 a.m.) | 29.79 | 53 | WNW | 4 | 6 | 29.89 | - .01 | 43 | 41 | - | 5 | WSW | 3 | 6 | # | 0 | 56 | 41 | - |
| | Cape Gris Nez | 29.79 | 53 | WNW | 4 | 6 | 29.88 | + .05 | 47 | 46 | - | 7 | NNW | 4 | 6c | # | 6 | 55 | 45 | - |
| | Paris ... | 29.95 | 49 | SW | 3 | 6 | 29.93 | - .09 | 48 | 48 | - | 0 | NNW | 1 | 0 | # | 6 | 55 | 48 | 0.08 |
| | Brest ... | 30.06 | 54 | WNW | 3 | c | 30.02 | - .05 | 55 | 54 | + | 1 | NNW | 3 | c | # | c | 61 | 52 | 0.04 |
| | Lorient ... | 30.06 | 55 | WNW | 5 | c | 30.02 | - .05 | 57 | 55 | + | 3 | NNW | 5 | c | 4 | c | 61 | 52 | 0.04 |
| PENINSULA. | Rocheport ... | 30.10 | 56 | NNW | 4 | 0 | 30.08 | - .04 | 56 | 56 | + | 4 | WNW | 4 | 0 | # | 0 | 61 | 52 | 0.12 |
| | Belfort ... | 30.05 | 56 | W | 3 | 6c | 30.08 | - .10 | 48 | 46 | - | 2 | WNW | 1 | 0 | # | 0 | 67 | 48 | - |
| | Lyons ... | 30.07 | 57 | Z | 0 | c | 29.89 | - .31 | 56 | 54 | + | 3 | Z | 0 | c | # | 0 | 66 | 54 | 0.04 |
| | Nice ... | 30.06 | 55 | Z | 0 | c | 30.09 | - .06 | 57 | 54 | + | 7 | NNW | 3 | 0 | # | c | 73 | 50 | - |
| | Perpignan ... | 30.14 | 62 | W | 4 | r | 30.16 | - .03 | 60 | 54 | - | 1 | NNW | 4 | p | 4 | p | 64 | 55 | 0.16 |
| | Corunna ... | 30.23 | 58 | NNW | 3 | 6 | 30.21 | - .03 | 59 | 57 | - | 1 | NNE | 4 | 6c | # | 6 | 68 | 55 | - |
| | Lisbon ... | 30.23 | 58 | NNW | 3 | 6 | 30.21 | - .03 | 59 | 57 | - | 1 | NNE | 4 | 6c | # | 6 | 68 | 55 | - |
| | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |

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, 27th Oct., 1893.

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:

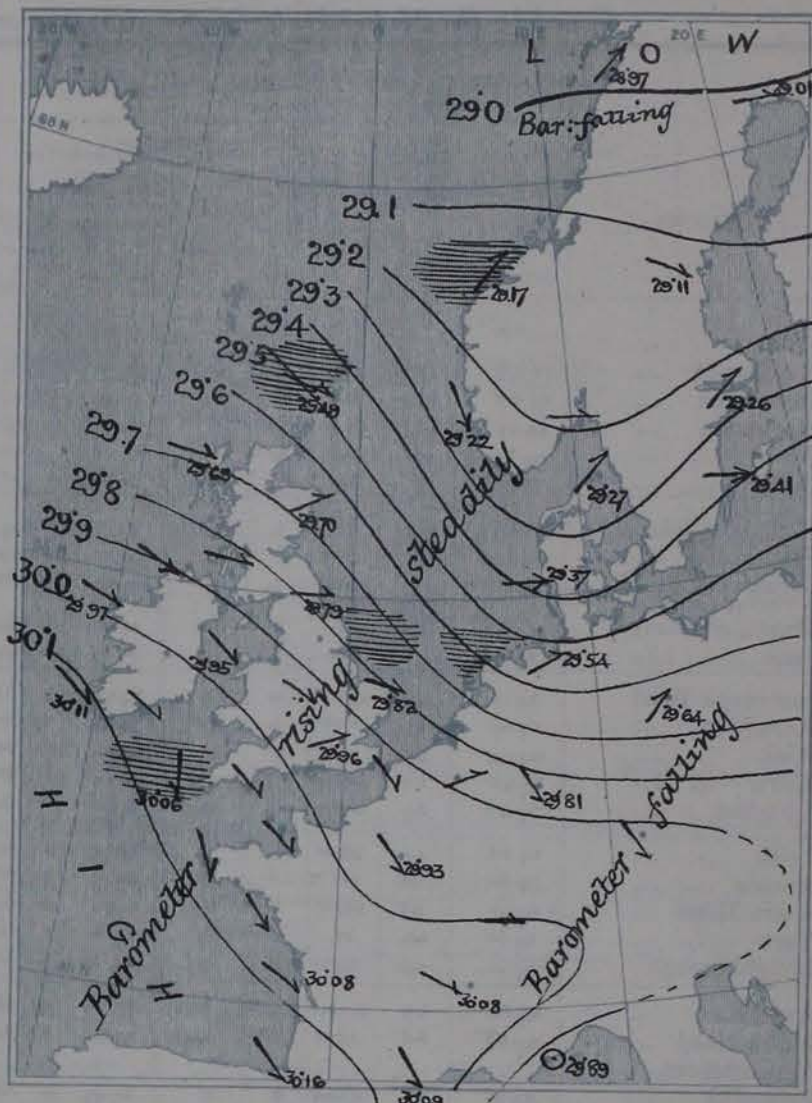
▨ = Rough. ▨ = High.

MEAN HEIGHT OF THE BAROMETER

at 8.0 a.m. for the month of October

During the 20 Years 1871—1890.

| STATIONS. | MEAN READINGS. |
|---------------|----------------|
| Sumburgh Head | 29.726 |
| Stornoway | 29.750 |
| Wick | 29.763 |
| Nairn | 29.779 |
| Aberdeen | 29.793 |
| Leith | 29.822 |
| Shields | 29.846 |
| Spurn Head | 29.867 |
| York | 29.882 |
| Loughborough | 29.904 |
| Ardrossan | 29.831 |
| Mullaghmore | 29.845 |
| Donaghadee | 29.850 |
| Holyhead | 29.872 |
| Liverpool | 29.879 |
| Parsonstown | 29.897 |
| Valencia | 29.896 |
| Roche's Point | 29.892 |
| Pembroke | 29.888 |
| Scilly | 29.910 |
| Prawle Point | 29.931 |
| Jersey | 29.925 |
| Hurst Castle | 29.922 |
| Dover | 29.916 |
| LONDON | 29.923 |
| Oxford | 29.924 |
| Cambridge | 29.912 |
| Yarmouth | 29.884 |



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.

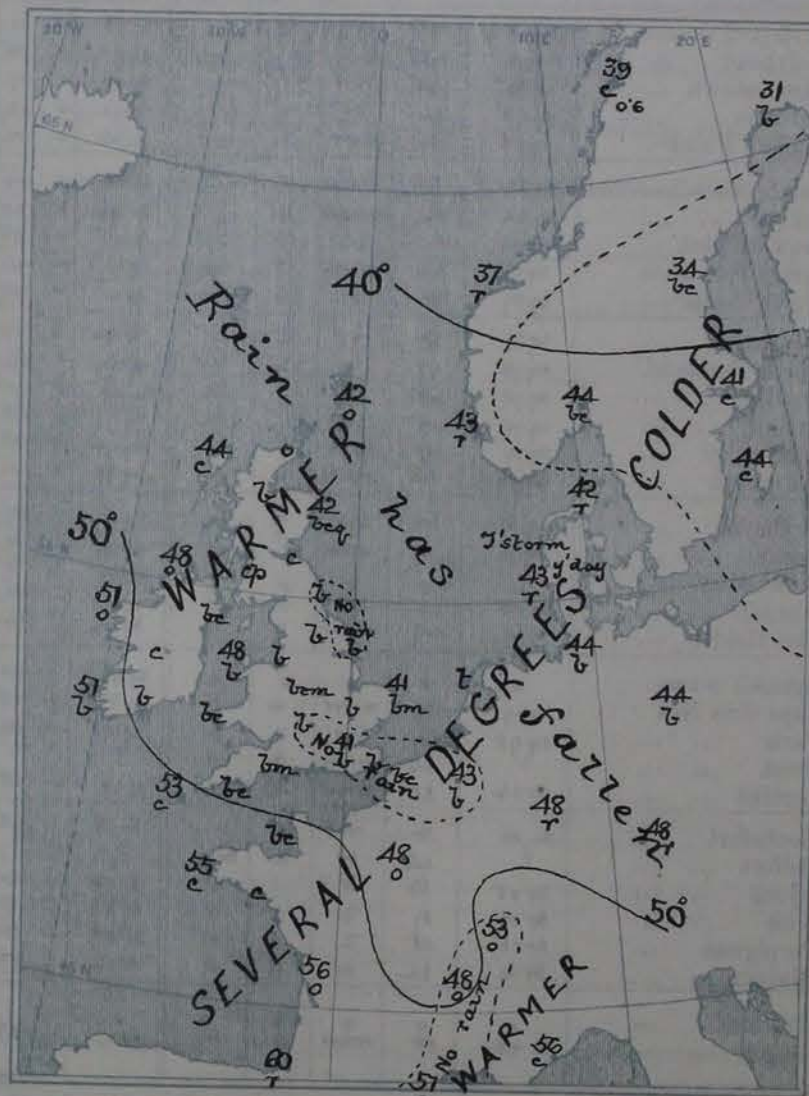
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL

(For the month of October.)

| STATIONS. | TEMPERATURE. | | | | RAINFALL (Inches.) |
|---------------|---------------|---------------|------------------|------|-----------------------|
| | Daily Max. | Daily Min. | Dry at 8 a.m. | Wet | |
| Sumburgh Head | 40.8 | 41.6 | 40.0 | 44.3 | 4.27 |
| Stornoway | 51.0 | 40.5 | 45.6 | 44.5 | 5.04 |
| Wick | 51.7 | 40.5 | 46.3 | 44.6 | 3.02 |
| Nairn | 53.0 | 40.8 | 44.8 | 42.9 | 2.38 |
| Aberdeen | 52.5 | 41.4 | 45.0 | 43.6 | 2.87 |
| Leith | 54.7 | 41.8 | 46.7 | 44.9 | 1.97 |
| Shields | 53.2 | 42.5 | 47.2 | 45.4 | 2.48 |
| Spurn Head | 53.3 | 45.7 | 48.8 | 47.3 | 2.27 |
| York | 54.5 | 41.4 | 45.9 | 44.5 | 2.80 |
| Loughborough | 55.7 | 41.1 | 45.9 | 44.6 | 2.80 |
| Ardrossan | 53.7 | 43.7 | 47.8 | 45.8 | 3.87 |
| Mullaghmore | 54.2 | 45.7 | 49.1 | 46.9 | 4.75 |
| Donaghadee | 53.6 | 43.0 | 47.8 | 46.6 | 3.14 |
| Holyhead | 54.7 | 47.3 | 50.3 | 48.3 | 4.31 |
| Liverpool | 53.8 | 44.7 | 47.8 | 45.8 | 3.46 |
| Parsonstown | 54.8 | 41.0 | 46.2 | 44.5 | 3.16 |
| Valencia | 56.6 | 46.8 | 51.4 | 49.2 | 5.88 |
| Roche's Point | 56.0 | 46.1 | 50.2 | 48.3 | 4.09 |
| Pembroke | 54.9 | 48.0 | 51.2 | 49.2 | 3.06 |
| Scilly | 56.6 | 50.2 | 53.7 | 51.6 | 3.70 |
| Prawle Point | 56.7 | 46.2 | 51.2 | 49.6 | 3.60 |
| Jersey | 58.2 | 48.6 | 53.3 | 50.7 | 4.45 |
| Hurst Castle | 57.1 | 45.8 | 50.8 | 49.2 | 3.26 |
| Dover | 56.1 | 46.2 | 50.2 | 48.2 | 3.22 |
| LONDON | 56.7 | 42.7 | 47.5 | 45.9 | 2.57 |
| Oxford | 55.5 | 42.2 | 46.2 | 44.9 | 2.56 |
| Cambridge | 56.5 | 41.0 | 46.4 | 45.3 | 2.27 |
| Yarmouth | 54.3 | 44.6 | 49.0 | 47.6 | 2.92 |

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 more to 29.9 ins. over Spain, France, the Bay of Biscay, Ireland & the S.E. half of England.
 Lowest Rather below 29.0 ins. over Lapland, and below 29.2 ins. over almost the whole of Scandinavia.
 Gradients somewhat steep for N.W. winds over the North Sea, moderate to slight over our W. districts & France.
 Barometer rising, except in the extreme north of Scandinavia, where, after a brisk rise, a fall had again set in.

TEMPERATURE

Highest 60° at Biarritz, 56° to 57° in the extreme south of France, and at Lorient, 53° at Sicily, 51° at Valencia and Helmskist.
 Lowest (1) 31° at Haparanda, 34° at Herraörsand, (2) 38° at Oporto, 40° at York, 41° in London.
 The sheltered thermometer failed to reach 60° at any of our own stations yesterday, but touched 61° at Munich and in the west of France, 66° at Nice, and 73° at Perpignan.

WIND

Had become S.W. again over the greater part of Scandinavia, but was W. to N. elsewhere. In our Islands it was moderate in force, but was strong at Faro and blew a gale at the Helder.
 A moderate to fresh gale from N.W. was felt in the north and east of Scotland during the night.

WEATHER

Fine and bright over England, but not settled-looking; dull on our extreme west and northwest coasts, rainy in the west of Norway and on the Danish coasts.
 Rain fell pretty generally yesterday, except at our southeastern and some northeastern stations; hail and sleet fell at Ulvik and Malin H. Thunderstorms are reported from Faro & the Helder.

SEA

Rather rough over the North Sea and at Sicily, moderate in the Irish and English Channels.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The disturbances of yesterday are passing away in an easterly direction but the fresh fall of the barometer in Lapland indicates (with the present distribution of pressure) that further disturbances are likely to advance from the north-westward before long.

FORECASTS

For the 24 hours ending at NOON on 28TH OCTOBER 1893.

DISTRICTS.

FORECASTS.

DISTRICTS.

FORECASTS.

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

W² and S.W.² winds; changeable, rain at times.
 W² winds, light; fine today, perhaps unsettled tomorrow.
 N.W.² to W² winds, moderate; fine, cold tonight, milder, tomorrow.

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

Same as No. 0.
 N.W.² and W² breezes, fine to showery.
 N.W.² breezes, moderate; fine.
 Same as No. 7.
 Same as No. 8.

WARNINGS

The North Cone is lowered again in districts 9, 1 and 6 this morning.

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

YESTERDAY'S 2 P.M. REPORTS.

| | BAR. | THER. | | WIND. Direc. | P. | WEA. | SEA. | | BAR. | THER. | | WIND. Direc. | F. | WEA. | SEA. |
|-------------------|-------|-------|------|-----------------|----|------|------|--------------------|-------|-------|------|-----------------|----|------|------|
| | | Dry. | Wet. | | | | | | | Dry. | Wet. | | | | |
| Skudesnaes ... | 29.18 | 45 | 42 | WNW | 4 | o | 4 | Valencia ... | 29.95 | 54 | 54 | WSW | 5 | ang | 5 |
| Sumburgh Head ... | 29.13 | 42 | 40 | WNW | 4 | be | 4 | Scilly ... | 30.00 | 56 | 51 | WNW | 5 | c | 4 |
| Stornoway ... | 29.41 | 43 | 41 | NW | 4 | be | 4 | Jersey ... | 30.00 | 57 | 52 | WNW | 5 | c | 5 |
| Aberdeen ... | 29.42 | 42 | 37 | WSW | 3 | c | 3 | Hurst Castle ... | 29.89 | 55 | 50 | W | 5 | bep | 5 |
| Shields ... | 29.56 | 46 | 42 | WSW | 4 | c | 2 | Dungeness ... | 29.84 | 55 | 49 | WNW | 5 | c | 5 |
| Ardrossan ... | 29.56 | 46 | 44 | WNW | 5 | be | 3 | North Foreland ... | 29.82 | 52 | 45 | W | 4 | b | 4 |
| Malin Head ... | 29.62 | 44 | 43 | NW | 6 | o | 5 | London ... | 29.84 | 54 | 46 | W | 3 | c | * |
| Mullaghmore ... | | | | | | | | Yarmouth ... | 29.73 | 51 | 45 | WNW | 5 | bep | 3 |
| Belmullet ... | 29.78 | 49 | 48 | NW | 4 | or | * | Rochefort ... | 30.09 | 58 | 58 | W | 4 | o | * |
| Holyhead ... | 29.76 | 48 | 45 | W | 5 | cq | 5 | | | | | | | | |

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

Weather fine over the greater part of our Islands, but showery on our western north and northwest coasts, with snow at Wick. Cloudy or overcast at most of the Continental stations, with rain over the Gulf of Finland, as well as at Copenhagen and Stairitz. Fine over Italy, Austria and the south of France. Showers falling later in all but the extreme southeastern parts of the United Kingdom, as well as in France and Germany. Considerable quantities of rain falling in Norway and Denmark, with a thunderstorm at Denmark.

Temperature fallen several degrees over the northwestern and central countries, but risen elsewhere. Morning readings highest 69° at Malta and Algiers, 68° at Barcelona, 66° at Palermo and 64° at Brindisi and Brno; above 55° in most parts of southern Europe. Lowest 15° at Archangel, 32° at Cracow, and 33° at Moscow and Ruda Peski, below 40° in the north of Scandinavia, and also at most of the Scotch stations. Daily maxima below 50° in all the more northern parts of the United Kingdom, but thermometer exceeding 55° at some of our southwestern stations, and exceeding 65° over the southern parts of France.

Wind moderate to strong from the NWnd in the west and north of our Islands, and from the Wnd or SWnd on our south and east coasts. Strong from the SWnd over Denmark, north Germany and the Baltic; light from the Snd or SEnd in the north of Russia. Variable over Austria and the south of Russia; Nth in Italy; NEth in Spain. No important change occurring over western Europe during day.

Barometer highest 30.3 ins. and upwards over the extreme southeastern parts of Europe; 30.2 ins. and upwards over the Spanish Peninsula. Lowest 29.0 ins. and less in a small depression over Lapland, 29.1 ins. and less over the N. of Scandinavia generally, and the adjacent parts of the Atlantic; gradients rather steep over all the more northern parts of Europe. Barometer rising slightly later over the northern parts of the United Kingdom, but falling in the south.

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, 28th October,

1893

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. | | Sea (0 to 9). | SHADE TEMP. | | Amount of Rainfall. | | | |
| | | Reading at 32° F. and Sea Level. | Dry Bulb. | Dir. | 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. | Dir. | Force (0 to 12). | Weather. | | Max. | Min. | | | | |
| | | | | | | | | | | | | | | | | | | | Inch. | ° | Inch. |
| SCANDINAVIA. | Haparanda ... | 29.16 | 31 | Z | 0 | b | 29.13 | +12 | 33 | 32 | + 2 | SSW | 2 | b | # | b | 36 | 28 | - | | |
| | Hernösand ... | 29.32 | 31 | Z | 0 | c | 29.23 | +12 | 32 | 31 | - 2 | WHLW | 2 | b | # | c | 41 | 30 | - | | |
| | Stockholm ... | 29.40 | 39 | Z | 0 | c | 29.46 | +20 | 35 | 34 | - 6 | SW | 2 | b | # | c | 46 | ? | - | | |
| | Wisby ... | 29.44 | 44 | W | 4 | b | 29.59 | +18 | 42 | 40 | - 2 | W | 4 | b | # | b | 45 | 37 | - | | |
| | Bodö ... | 29.02 | 38 | WSW | 6 | c | 28.97 | 00 | 37 | 35 | - 2 | WSW | 4 | r | 2 | c | 39 | 34 | 0.55 | | |
| | Christiansund... | 29.30 | 40 | WSW | 6 | r | 29.03 | -14 | 42 | 41 | + 5 | SW | 9 | r | 6 | r | 43 | 37 | 0.79 | | |
| | Skudesnaes ... | 29.54 | 46 | W | 4 | 0 | 29.31 | +09 | 50 | 49 | + 7 | SW | 6 | r | 4 | 0 | ? | 41 | - | | |
| | Christiania Fjord (Fæder) | 29.44 | 43 | WHLW | 4 | b | 29.28 | +08 | 51 | 49 | + 7 | WSW | 8 | 0 | 5 | b | ? | 43 | - | | |
| | Skagen (The Seaw) | 29.48 | 45 | HW | 2 | b | 29.47 | +20 | 47 | 46 | + 5 | WSW | 3 | r | 1 | b | 47 | 39 | 0.08 | | |
| | Fanö ... | 29.68 | 47 | HW | 6 | c | 29.66 | +29 | 51 | 50 | + 8 | W | 6 | c | # | c | 52 | 43 | 0.16 | | |
| BRITISH ISLANDS. | Sumburgh Head | 29.33 | 47 | WHLW | 2 | r | 28.98 | -31 | 50 | 49 | + 8 | WSW | 5 | r | 5 | 0.7 | 50 | 42 | 0.32 | | |
| | Stornoway ... | 29.56 | 50 | W | 4 | r | 29.15 | -54 | 52 | 52 | + 8 | HW | 7 | r | 6 | r | 52 | 42 | 0.15 | | |
| | Wick ... | 29.50 | 48 | W | 4 | c | 29.11 | -50 | 53 | 51 | + 10 | W | 5 | OU | 3 | c | 53 | 40 | 0.05 | | |
| | Nairn ... | 29.57 | 51 | W | 3 | 0 | 29.21 | -48 | 53 | 50 | + 11 | WSW | 4 | c | 2 | 0 | 53 | 40 | - | | |
| | Aberdeen ... | 29.62 | 46 | SSW | 2 | c | 29.30 | -40 | 51 | 47 | + 9 | SSW | 4 | cq | 3 | ogp.c | 51 | 42 | 0.03 | | |
| | Leith ... | 29.70 | 49 | W | 4 | 0 | 29.43 | -35 | 52 | 49 | + 9 | WSW | 6 | c | # | 0 | 52 | 41 | - | | |
| | Shields ... | 29.81 | 49 | WSW | 3 | r | 29.60 | -19 | 53 | 49 | + 12 | WSW | 3 | 0 | 2 | c/p | 53 | 38 | - | | |
| | Spurn Head ... | 29.90 | 48 | W | 3 | c | 29.73 | -13 | 53 | 50 | + 13 | WSW | 4 | 0 | # | c | 54 | 40 | - | | |
| | York ... | 30.00 | 47 | W | 2 | 0 | 29.85 | -07 | 53 | 49 | + 11 | SW | 5 | ogm | # | 0 | 54 | 42 | - | | |
| | Loughborough | 29.77 | 53 | WSW | 3 | c/p | 29.51 | -32 | 52 | 52 | + 4 | SW | 5 | r | 4 | c/p | 55 | 47 | 0.09 | | |
| GERMANY & HOLLAND. | Malin Head ... | 29.82 | 51 | W | 5 | odp | 29.46 | -40 | 53 | 53 | + 5 | SW | 7 | or | 4 | odp | 53 | 48 | 0.14 | | |
| | Mullaghmore ... | 29.98 | 52 | W | 5 | op | 29.67 | -30 | 53 | 53 | + 4 | SW | 6 | or | # | bcp, op | 55 | 49 | 0.26 | | |
| | Belmullet ... | 29.89 | 51 | W | 4 | 0 | 29.66 | -27 | 52 | 50 | + 10 | SW | 5 | c | 3 | 0 | 52 | 42 | 0.01 | | |
| | Donaghadee ... | 29.98 | 53 | W | 3 | c | 29.79 | -14 | 53 | 50 | + 5 | WSW | 5 | 0 | 3 | 0 | 54 | 48 | - | | |
| | Liverpool (Bidston) | 29.97 | 52 | WSW | 3 | c | 29.82 | -13 | 53 | 51 | + 5 | WSW | 5 | og | 4 | c | 55 | 48 | 0.01 | | |
| | Holyhead ... | 30.02 | 52 | SW | 1 | r | 29.86 | -17 | 52 | 51 | + 12 | SW | 2 | or | # | c, o, r | 55 | 37 | 0.05 | | |
| | Parsonstown ... | 30.15 | 54 | WHLW | 3 | cp | 29.96 | -15 | 55 | 54 | + 4 | WSW | 6 | ogm | 5 | cm, cp | 56 | 50 | 0.02 | | |
| | Valencia ... | 30.10 | 55 | WHLW | 2 | c | 29.96 | -10 | 55 | 53 | + 6 | W | 4 | 0 | 4 | c | 56 | 48 | - | | |
| | Roche's Point | 30.07 | 53 | W | 3 | c | 29.95 | -08 | 55 | 52 | + 6 | WHLW | 6 | cqy | 6 | c | 55 | 48 | - | | |
| | Pembroke (St. Ann's Hd.) | 30.12 | 53 | WHLW | 3 | c | 30.09 | +03 | 56 | 53 | + 3 | WSW | 5 | c | 4 | c | 57 | 51 | 0.01 | | |
| FRANCE AND BELGIUM. | Scilly ... | 30.13 | 46 | W | 2 | c | 30.07 | +02 | 52 | 51 | + 5 | WSW | 3 | c | 2 | c | 57 | 44 | - | | |
| | Prawle Point ... | 30.13 | 51 | WHLW | 3 | c | 30.12 | +11 | 54 | 52 | + 1 | WSW | 5 | ogp | 4 | bc, c | 56 | 46 | 0.03 | | |
| | Jersey (St. Aubin's) | 30.08 | 50 | WSW | 3 | b | 30.04 | +03 | 55 | 53 | + 13 | WSW | 6 | onp | 3 | b | 56 | 41 | - | | |
| | Hurst Castle ... | 30.05 | 49 | HW | 3 | bc | 30.00 | +06 | 53 | 52 | + 8 | W | 4 | c/p | 3 | b, bc | 54 | 43 | 0.01 | | |
| | Dungeness ... | 30.04 | 46 | W | 2 | b | 29.98 | +06 | 50 | 47 | + 4 | W | 2 | og | 2 | b | 52 | 45 | - | | |
| | North Foreland | 30.06 | 46 | W | 2 | c | 29.99 | +03 | 51 | 48 | + 10 | W | 3 | bc | # | b, bc | 53 | 41 | - | | |
| | London ... | 30.06 | 43 | WSW | 2 | bc | 29.95 | -03 | 50 | 49 | + 12 | S | 3 | od | # | bc, 0 | 54 | 38 | - | | |
| | Oxford ... | 30.03 | 44 | SSW | 2 | bc | 29.92 | 00 | 50 | 49 | + 8 | SSW | 4 | 0 | # | bc | 54 | 41 | - | | |
| | Cambridge ... | 29.95 | 48 | W | 2 | bc | 29.88 | +06 | 48 | 46 | + 7 | WSW | 4 | cq | 3 | b, bc | 50 | 39 | - | | |
| | Yarmouth ... | 29.66 | 46 | WHLW | 6 | r | 29.82 | +28 | 46 | 45 | + 2 | SW | 4 | f | # | r | 47 | 44 | 0.12 | | |
| GERMANY & HOLLAND. | Cuxhaven ... | 29.82 | 43 | W | 4 | b | 29.98 | +34 | 43 | 41 | - 1 | WHLW | 3 | b | # | b | 48 | 41 | - | | |
| | Berlin ... | 30.18 | 36 | SW | 2 | bc | 30.18 | +37 | 36 | 35 | - 12 | Z | 0 | bc | # | # | 52 | 34 | - | | |
| | Wiesbaden ... | 30.23 | 36 | SW | 2 | bc | 30.23 | +33 | 36 | 36 | - 12 | SW | 2 | b | # | bc | 48 | 34 | 0.20 | | |
| | Munich ... | 29.91 | 52 | W | 5 | c | 29.91 | +19 | 52 | 50 | + 3 | SW | 6 | c | 3 | c | 52 | 45 | 0.12 | | |
| | The Helder ... | 30.10 | 43 | W | 0 | 0 | 30.10 | +21 | 43 | 40 | 0 | SW | 5 | c | # | 0 | 51 | 41 | - | | |
| | Brussels (9 a.m.) | 29.99 | 55 | W | 4 | bc | 29.99 | +11 | 55 | 51 | + 8 | W | 4 | 0 | 4 | bc | 54 | 47 | - | | |
| | Cape Gris Nez | 30.19 | 39 | WHLW | 2 | b | 30.19 | +26 | 39 | 39 | - 9 | SSW | 1 | 0 | # | b | 55 | 34 | - | | |
| | Paris ... | ? | 55 | WHLW | 2 | c | ? | ? | 55 | 54 | 0 | WHLW | 3 | c | 4 | c | 59 | 50 | - | | |
| | Brest ... | 30.23 | 51 | WHLW | 4 | bc | 30.23 | +21 | 51 | 47 | - 6 | S | 1 | 0 | 3 | bc | 63 | 46 | - | | |
| | Lorient ... | 30.23 | 47 | - 6 | 51 | 47 | - 6 | S | 1 | 0 | 3 | bc | 63 | 46 | - | | | | | | |
| FRANCE AND BELGIUM. | Rochefort ... | 30.23 | 47 | - 6 | 51 | 47 | - 6 | S | 1 | 0 | 3 | bc | 63 | 46 | - | | | | | | |
| | Belfort ... | 30.22 | 41 | - 7 | 51 | 50 | - 5 | E | 2 | 0 | # | bc | 59 | 40 | 0.04 | | | | | | |
| | Lyons ... | 30.02 | 51 | - 7 | 51 | 50 | - 5 | E | 2 | 0 | # | bc | 59 | 40 | 0.04 | | | | | | |
| | Nice ... | 30.02 | 51 | - 7 | 51 | 50 | - 5 | E | 2 | 0 | # | bc | 59 | 40 | 0.04 | | | | | | |
| | Perpignan ... | 30.14 | 57 | 0 | 57 | 52 | 0 | N | 2 | 0 | # | c | 63 | 53 | - | | | | | | |
| | Biarritz ... | 30.22 | 62 | + 2 | 62 | 55 | + 2 | SSW | 2 | r | 5 | r | 62 | 54 | 1.14 | | | | | | |
| PENINSULA. | Corunna ... | 30.13 | 58 | - 1 | 58 | 52 | - 1 | NNE | 5 | b | # | b | 68 | 55 | - | | | | | | |
| | Lisbon ... | 30.13 | 58 | - 1 | 58 | 52 | - 1 | NNE | 5 | b | # | b | 68 | 55 | - | | | | | | |

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 28th October, 1893.

EXPLANATION OF MAP

Changes since previous morning are stated in words.

————— = forces above 10; ————— = forces 8 to 10,
 ————— = forces 6 to 7; ————— = forces 1 to 4.
 ☐ = dead calm.

 = Rough,  = High

at 8.0 a.m. for the month of October

During the 20 Years 1871—1890.

| STATIONS | MEAN |
|----------|------|
|----------|------|

Hand-drawn weather map of Europe and the North Atlantic. The map shows isobars and wind directions. Key features include:

- Low Pressure System (L):** Located over the North Atlantic, with a handwritten note "Bar: falling quickly".
- High Pressure System (H):** Located over the British Isles, with a handwritten note "Barometer rising".
- Isobars:** Labeled with values such as 29.0, 29.1, 29.2, 29.3, 29.4, 29.5, 29.6, 29.7, 29.8, 29.9, 30.0, 30.1, 30.2, 30.3, 30.4, 30.5, 30.6, 30.7, 30.8, 30.9, 31.0, 31.1, 31.2, 31.3, 31.4, 31.5, 31.6, 31.7, 31.8, 31.9, 32.0, 32.1, 32.2, 32.3, 32.4, 32.5, 32.6, 32.7, 32.8, 32.9, 33.0, 33.1, 33.2, 33.3, 33.4, 33.5, 33.6, 33.7, 33.8, 33.9, 34.0, 34.1, 34.2, 34.3, 34.4, 34.5, 34.6, 34.7, 34.8, 34.9, 35.0, 35.1, 35.2, 35.3, 35.4, 35.5, 35.6, 35.7, 35.8, 35.9, 36.0, 36.1, 36.2, 36.3, 36.4, 36.5, 36.6, 36.7, 36.8, 36.9, 37.0, 37.1, 37.2, 37.3, 37.4, 37.5, 37.6, 37.7, 37.8, 37.9, 38.0, 38.1, 38.2, 38.3, 38.4, 38.5, 38.6, 38.7, 38.8, 38.9, 39.0, 39.1, 39.2, 39.3, 39.4, 39.5, 39.6, 39.7, 39.8, 39.9, 40.0, 40.1, 40.2, 40.3, 40.4, 40.5, 40.6, 40.7, 40.8, 40.9, 41.0, 41.1, 41.2, 41.3, 41.4, 41.5, 41.6, 41.7, 41.8, 41.9, 42.0, 42.1, 42.2, 42.3, 42.4, 42.5, 42.6, 42.7, 42.8, 42.9, 43.0, 43.1, 43.2, 43.3, 43.4, 43.5, 43.6, 43.7, 43.8, 43.9, 44.0, 44.1, 44.2, 44.3, 44.4, 44.5, 44.6, 44.7, 44.8, 44.9, 45.0, 45.1, 45.2, 45.3, 45.4, 45.5, 45.6, 45.7, 45.8, 45.9, 46.0, 46.1, 46.2, 46.3, 46.4, 46.5, 46.6, 46.7, 46.8, 46.9, 47.0, 47.1, 47.2, 47.3, 47.4, 47.5, 47.6, 47.7, 47.8, 47.9, 48.0, 48.1, 48.2, 48.3, 48.4, 48.5, 48.6, 48.7, 48.8, 48.9, 49.0, 49.1, 49.2, 49.3, 49.4, 49.5, 49.6, 49.7, 49.8, 49.9, 50.0, 50.1, 50.2, 50.3, 50.4, 50.5, 50.6, 50.7, 50.8, 50.9, 51.0, 51.1, 51.2, 51.3, 51.4, 51.5, 51.6, 51.7, 51.8, 51.9, 52.0, 52.1, 52.2, 52.3, 52.4, 52.5, 52.6, 52.7, 52.8, 52.9, 53.0, 53.1, 53.2, 53.3, 53.4, 53.5, 53.6, 53.7, 53.8, 53.9, 54.0, 54.1, 54.2, 54.3, 54.4, 54.5, 54.6, 54.7, 54.8, 54.9, 55.0, 55.1, 55.2, 55.3, 55.4, 55.5, 55.6, 55.7, 55.8, 55.9, 56.0, 56.1, 56.2, 56.3, 56.4, 56.5, 56.6, 56.7, 56.8, 56.9, 57.0, 57.1, 57.2, 57.3, 57.4, 57.5, 57.6, 57.7, 57.8, 57.9, 58.0, 58.1, 58.2, 58.3, 58.4, 58.5, 58.6, 58.7, 58.8, 58.9, 59.0, 59.1, 59.2, 59.3, 59.4, 59.5, 59.6, 59.7, 59.8, 59.9, 60.0, 60.1, 60.2, 60.3, 60.4, 60.5, 60.6, 60.7, 60.8, 60.9, 61.0, 61.1, 61.2, 61.3, 61.4, 61.5, 61.6, 61.7, 61.8, 61.9, 62.0, 62.1, 62.2, 62.3, 62.4, 62.5, 62.6, 62.7, 62.8, 62.9, 63.0, 63.1, 63.2, 63.3, 63.4, 63.5, 63.6, 63.7, 63.8, 63.9, 64.0, 64.1, 64.2, 64.3, 64.4, 64.5, 64.6, 64.7, 64.8, 64.9, 65.0, 65.1, 65.2, 65.3, 65.4, 65.5, 65.6, 65.7, 65.8, 65.9, 66.0, 66.1, 66.2, 66.3, 66.4, 66.5, 66.6, 66.7, 66.8, 66.9, 67.0, 67.1, 67.2, 67.3, 67.4, 67.5, 67.6, 67.7, 67.8, 67.9, 68.0, 68.1, 68.2, 68.3, 68.4, 68.5, 68.6, 68.7, 68.8, 68.9, 69.0, 69.1, 69.2, 69.3, 69.4, 69.5, 69.6, 69.7, 69.8, 69.9, 70.0, 70.1, 70.2, 70.3, 70.4, 70.5, 70.6, 70.7, 70.8, 70.9, 71.0, 71.1, 71.2, 71.3, 71.4, 71.5, 71.6, 71.7, 71.8, 71.9, 72.0, 72.1, 72.2, 72.3, 72.4, 72.5, 72.6, 72.7, 72.8, 72.9, 73.0, 73.1, 73.2, 73.3, 73.4, 73.5, 73.6, 73.7, 73.8, 73.9, 74.0, 74.1, 74.2, 74.3, 74.4, 74.5, 74.6, 74.7, 74.8, 74.9, 75.0, 75.1, 75.2, 75.3, 75.4, 75.5, 75.6, 75.7, 75.8, 75.9, 76.0, 76.1, 76.2, 76.3, 76.4, 76.5, 76.6, 76.7, 76.8, 76.9, 77.0, 77.1, 77.2, 77.3, 77.4, 77.5, 77.6, 77.7, 77.8, 77.9, 78.0, 78.1, 78.2, 78.3, 78.4, 78.5, 78.6, 78.7, 78.8, 78.9, 79.0, 79.1, 79.2, 79.3, 79.4, 79.5, 79.6, 79.7, 79.8, 79.9, 80.0, 80.1, 80.2, 80.3, 80.4, 80.5, 80.6, 80.7, 80.8, 80.9, 81.0, 81.1, 81.2, 81.3, 81.4, 81.5, 81.6, 81.7, 81.8, 81.9, 82.0, 82.1, 82.2, 82.3, 82.4, 82.5, 82.6, 82.7, 82.8, 82.9, 83.0, 83.1, 83.2, 83.3, 83.4, 83.5, 83.6, 83.7, 83.8, 83.9, 84.0, 84.1, 84.2, 84.3, 84.4, 84.5, 84.6, 84.7, 84.8, 84.9, 85.0, 85.1, 85.2, 85.3, 85.4, 85.5, 85.6, 85.7, 85.8, 85.9, 86.0, 86.1, 86.2, 86.3, 86.4, 86.5, 86.6, 86.7, 86.8, 86.9, 87.0, 87.1, 87.2, 87.3, 87.4, 87.5, 87.6, 87.7, 87.8, 87.9, 88.0, 88.1, 88.2, 88.3, 88.4, 88.5, 88.6, 88.7, 88.8, 88.9, 89.0, 89.1, 89.2, 89.3, 89.4, 89.5, 89.6, 89.7, 89.8, 89.9, 90.0, 90.1, 90.2, 90.3, 90.4, 90.5, 90.6, 90.7, 90.8, 90.9, 91.0, 91.1, 91.2, 91.3, 91.4, 91.5, 91.6, 91.7, 91.8, 91.9, 92.0, 92.1, 92.2, 92.3, 92.4, 92.5, 92.6, 92.7, 92.8, 92.9, 93.

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.

(For the month of October.)

[illegible]

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 the Bay of Biscay, France and the extreme south of our Islands.
Lowest 29.0 ins. and less over the Shetlands, and below 29.2 ins. over the North Sea.

Gradients steep for W² winds over the United Kingdom and North Sea, but were still slight over France.
Barometer falling fast in the extreme northwest, slightly in the south.

TEMPERATURE

Highest 62° at Biarritz, 55° in the west and south of Ireland, and at Hurst Castle, and above 50° over our Islands generally.
Lowest (1) 32° to 35° at most of the Swedish stations; (2) 36° at Munnich and Wiesbaden, 39° at Paris.

It had risen generally and quickly over the United Kingdom, fallen quite as decidedly over France & S. Germany.

WIND

W² (WNW to WSW) over our Islands and the North Sea, and blowing strongly at many of our western and northern stations, and moderately in the south and east. Malin Head reports a moderate gale from SW.

WEATHER

Fine and bright over the southeast of France and in most parts of Germany, cloudy and very unsettled over the northwestern and northern countries, with rain in many places.
Rain has fallen since yesterday morning - in small quantities at our northern and western stations, as well as over countries lying to the E² of the North Sea. Biarritz reports a heavy fall of 1.14 ins.

SEA

Rising generally and was rough on our western and northwestern coasts.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression advancing towards Norway from the westward is apparently large, and secondary systems of considerable importance seems to be approaching our northwestern coasts. The warning signals have been hoisted on all the Scotch and Irish coasts, and on the NE coast of England this morning.

FORECASTS

For the 24 hours ending at NOON on 29TH OCTOBER 1893.

| DISTRICTS. | FORECASTS. | DISTRICTS. | FORECASTS. |
|--------------------|---|------------------|----------------------|
| 0 SCOTLAND NORTH | W ² and NW ² gales and strong winds, cloudy, squally, cold showers. | 6 SCOTLAND WEST | Same as Nos 0 and 1. |
| 1 SCOTLAND EAST | | 7 ENGLAND N.W. | |
| 2 ENGLAND N.E. | W ² and NW ² winds strong, squally, showery, very unsettled. | 8 ENGLAND S.W. | Same as No 5 |
| 3 ENGLAND EAST | Same as No 5 | 9 IRELAND NORTH | Same as Nos 0 and 1. |
| 4 MIDLAND COUNTIES | Same as No 2. | 10 IRELAND SOUTH | Same as No 5. |
| 5 ENGLAND SOUTH | W ² winds, strong, squally, showery, perhaps NW ² and colder later. | | |

WARNINGS

At 10 am today to districts 0, 1, 6, 7 and 9. Hoist North Cone, for W² and NW² gales.

Note.—The South Cone, point downwards (↓), means that gales, or strong winds, are probable, at first from the Southward (from S. 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. | P. | WEA. | SEA. | | BAR. | THER. | | WIND. Dirac. | P. | WEA. | SEA. |
|-------------------|-------|-------|------|-----------------|----|------|------|--------------------------|-------|-------|------|-----------------|----|------|------|
| | | Dry. | Wet. | | | | | | | Dry. | Wet. | | | | |
| Skudesnaes ... | 29.47 | 46 | 42 | WNW | 4 | 0 | 4 | Valencia ... | 30.13 | 56 | 54 | WNW | 4 | cm | 4 |
| Sumburgh Head ... | 29.47 | 45 | 42 | WNW | 2 | 0 | 4 | Scilly ... | 30.12 | 56 | 51 | WNW | 3 | c | 4 |
| Stornoway ... | 29.58 | 49 | 49 | W | 4 | 7 | 4 | Jersey ... | 30.10 | 56 | 48 | NW | 3 | bc | 3 |
| Aberdeen ... | 29.68 | 47 | 42 | S | 3 | 09 | 3 | Hurst Castle ... | 30.08 | 54 | 48 | WNW | 2 | b | 2 |
| Shields ... | 29.83 | 50 | 46 | WNW | 3 | c | 2 | Dungeness ... | 30.01 | 53 | 52 | N | 3 | b | 2 |
| Ardrossan ... | 29.82 | 53 | 52 | W | 4 | cp | 3 | North Foreland ... | 29.99 | 52 | 47 | NW | 5 | b | 4 |
| Malin Head ... | 29.82 | 52 | 51 | W | 5 | 0 | 4 | London (Westminster) ... | 30.03 | 54 | 47 | WNW | 2 | c | * |
| Mullaghmore ... | | | | | | | | Yarmouth ... | 29.92 | 50 | 45 | WNW | 5 | b | 4 |
| Belmullet ... | 29.99 | 54 | 53 | W | 4 | bcp | 4 | Rochefort ... | 30.10 | 59 | 57 | N | 2 | 0 | * |
| Holyhead ... | 30.00 | 51 | 46 | WNW | 3 | c | 2 | | | | | | | | |

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

Weather fine over the greater part of our Islands, the Netherlands and N. Germany, but dull on our extreme north and northwest coasts. Cloudy or dull over the greater part of the Continent, with rain in Denmark, the west of Norway and south Germany, as well as at Kuopio, Helsingfors and Riga; snow reported at Archangel. Fine in the south of Russia and the south of Spain, as well as at the Adriatic stations. Showers falling later at many of our own western and northern stations, but weather remaining fine over the greater part of England.

Temperature risen in the north of our Islands, as well as in Russia, Austria and Italy, fallen elsewhere. Morning readings highest 69° at Palermo, 66° at Malta and Algiers, and 62° at Trieste and Naples; above 55° over southern Europe generally. Lowest 30° at Archangel, 31° at Haparanda, and 34° at Uleaborg and Hernösand; very little above 40° over the E. and central parts of St. Britain. Rising during day to between 50° and 55° over our Islands generally, and to a little above 55° on our extreme southwest coasts. Exceeding 60° in the west and south of France.

Wind moderate to fresh from the NWnd over the greater part of western Europe; strong from the Wnd or SWnd over Denmark, the Baltic and the Gulf of Finland; light from the Snd over Russia. E² at most of the Italian stations, and NE² over the Spanish Peninsula; variable in Austria and Algeria. Subsequently backing to the Wnd in many parts of our Islands; no important change occurring elsewhere.

Barometer highest 30.2 ins. and upwards over Portugal and central Spain; 30.1 ins. and upwards over all the southwestern and southeastern parts of Europe. Lowest 29.9 ins. and less in a depression off the northwest of Norway; 29.9 ins. and less in a shallow system over the Gulf of Genoa. New disturbance beginning to appear to the northward of our Islands later, and barometer falling at all our northern stations.

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 29th OCTOBER, 1893

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. | | | |
| | | | | Force (0 to 12). | Dirac. | | 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. | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| Ins. | | ° | | | | Ins. | ° | ° | ° | | | | | | | ° | ins. | | | | |
| SCANDINAVIA. | Haparanda ... | 29.00 | 36 | W | 4 | 0 | 28.55 | - .58 | 37 | 37 | + | 4 | SSE | 4 | r | # | 0 | 37 | 30 | 0.71 | |
| | Hernösand ... | 28.79 | 43 | SSE | 6 | r | 28.72 | - .51 | 36 | 35 | + | 4 | WSW | 2 | r | # | r | 43 | 28 | 0.16 | |
| | Stockholm ... | 29.09 | 47 | S | 2 | r | 29.06 | - .40 | 43 | 42 | + | 8 | SW | 2 | r | # | r | 48 | 32 | 0.12 | |
| | Wisby ... | 29.31 | 47 | SW | 8 | r | 29.25 | - .34 | 46 | 44 | + | 4 | W | 6 | r | # | r | 49 | 37 | 0.20 | |
| | Bodö ... | 28.76 | 36 | E | 2 | 6 | 28.67 | - .30 | 32 | 31 | - | 5 | E | 2 | c | 1 | 6 | 37 | 30 | 0.08 | |
| | Christiansund... | 28.77 | 40 | WSW | 8 | r | 28.86 | - .17 | 43 | 38 | + | 1 | W | 8 | o | 6 | r | 43 | 37 | 0.95 | |
| | Skudesnaes ... | 29.16 | 44 | WSW | 7 | r | 29.19 | - .12 | 43 | 40 | - | 7 | WNW | 6 | c | 5 | r | 52 | 39 | - | |
| | Christiania Fjord (Færdar) | 28.95 | 52 | SSW | 9 | 6 | 29.11 | - .17 | 45 | 41 | - | 6 | WSW | 8 | 6 | 6 | 6 | 52 | 43 | - | |
| | Skagen (The Scaw) | 29.17 | 49 | WNW | 4 | 6 | 29.24 | - .23 | 45 | 41 | - | 2 | WNW | 4 | 6 | 1 | 6 | 52 | 45 | 0.32 | |
| | Fanö ... | 29.41 | 52 | WSW | 6 | c | 29.41 | - .25 | 48 | 45 | - | 3 | W | 5 | 6c | # | c | 54 | 46 | 0.12 | |
| BRITISH ISLANDS. | Sumburgh Head | 29.10 | 42 | WNW | 4 | 6p | 29.13 | + | 45 | 35 | - | 15 | 2 | 0 | r | 3 | r | 51 | 24 | 0.48 | |
| | Stornoway ... | 29.35 | 43 | NW | 6 | c | 29.34 | + | 19 | 39 | - | 13 | N | 5 | chp | 5 | c | 48 | 36 | 0.18 | |
| | Wick ... | 29.25 | 40 | NW | 4 | c | 29.21 | + | 10 | 47 | - | 6 | NW | 2 | c | 3 | c | 50 | 36 | 0.14 | |
| | Nairn ... | 29.36 | 41 | WSW | 4 | r | 29.32 | + | 11 | 39 | - | 14 | WSW | 4 | o | 2 | r | 50 | 36 | 0.15 | |
| | Aberdeen ... | 29.39 | 42 | W | 3 | 6 | 29.34 | + | 14 | 42 | - | 9 | WSW | 2 | 6 | 2 | 6 | 60 | 36 | - | |
| | Leith ... | 29.45 | 47 | W | 5 | 6 | 29.46 | + | 03 | 41 | - | 11 | W | 5 | 6c | # | 6 | 58 | 39 | 0.01 | |
| | Shields ... | 29.49 | 56 | WSW | 7 | op | 29.54 | - | 06 | 44 | - | 9 | WSW | 3 | 6 | 2 | o.p | 58 | 42 | - | |
| | Spurn Head ... | 29.62 | 55 | WSW | 5 | o | 29.64 | - | 10 | 47 | - | 5 | WSW | 4 | 6c | 4 | o.p | 55 | 45 | 0.04 | |
| | York ... | 29.57 | 55 | WSW | 4 | o | 29.62 | - | 11 | 46 | - | 7 | WSW | 1 | c | # | o | 56 | 43 | 0.01 | |
| | Loughborough | 29.71 | 54 | SW | 6 | c | 29.73 | - | 12 | 45 | - | 8 | WSW | 3 | 6w | # | c.p | 58 | 43 | 0.01 | |
| GERMANY & HOLLAND. | Ardrossan ... | 29.53 | 48 | W | 5 | 6p | 29.51 | + | 00 | 45 | - | 7 | WNW | 5 | 6p | 2 | 6c | 54 | 42 | 0.23 | |
| | Malin Head ... | 29.56 | 46 | NW | 6 | op | 29.55 | + | 09 | 43 | - | 10 | WNW | 7 | chp | 5 | o | 53 | 43 | 0.10 | |
| | Mullaghmore ... | 29.75 | 50 | WNW | 5 | c | 29.78 | + | 11 | 48 | - | 7 | WNW | 5 | c | # | c | 55 | 43 | 0.07 | |
| | Belmullet ... | 29.63 | 48 | WSW | 3 | c | 29.65 | - | 01 | 40 | - | 12 | SW | 3 | 6 | 1 | c | 57 | 39 | 0.03 | |
| | Donaghadee ... | 29.63 | 48 | WSW | 3 | c | 29.65 | - | 01 | 40 | - | 12 | SW | 3 | 6 | 1 | c | 57 | 39 | 0.03 | |
| | Liverpool (Bldston) | 29.63 | 56 | WSW | 5 | o | 29.69 | - | 10 | 49 | - | 4 | W | 5 | c | 4 | o | 57 | 47 | 0.06 | |
| | Holyhead ... | 29.67 | 55 | SW | 4 | r | 29.74 | - | 08 | 48 | - | 5 | W | 4 | c | 4 | r | 56 | 48 | 0.08 | |
| | Parsonstown ... | 29.78 | 49 | NW | 1 | o | 29.82 | - | 04 | 43 | - | 9 | SW | 1 | o | # | o | 55 | 38 | ? | |
| | Valencia ... | 29.89 | 53 | NW | 5 | r | 29.91 | - | 05 | 50 | - | 5 | NW | 5 | om | 5 | r | 57 | 50 | 0.05 | |
| | Roche's Point | 29.83 | 57 | W | 4 | c | 29.87 | - | 09 | 49 | - | 6 | WNW | 3 | 6c | 3 | c | 58 | 47 | - | |
| FRANCE AND BELGIUM. | Pembroke (St. Ann's Hd.) | 29.80 | 55 | WSW | 5 | r | 29.83 | - | 12 | 48 | - | 2 | WNW | 5 | c | 5 | r | 56 | 53 | 0.08 | |
| | Scilly ... | 29.00 | 56 | W | 6 | op | 29.88 | - | 21 | 50 | - | 3 | WNW | 5 | c | 4 | o | 57 | 51 | 0.14 | |
| | Prawle Point ... | 29.96 | 54 | WSW | 6 | r | 29.86 | - | 21 | 51 | - | 1 | W | 2 | og | 1 | r.d | 55 | 51 | 0.19 | |
| | Jersey (St. Aubin's) | 29.05 | 57 | WSW | 5 | op | 29.91 | - | 23 | 58 | + | 4 | WSW | 6 | ogr | 5 | o | 58 | 53 | 0.03 | |
| | Hurst Castle ... | 29.94 | 55 | WSW | 7 | c | 29.84 | - | 20 | 52 | - | 3 | NW | 2 | c | 4 | c | 59 | 51 | 0.07 | |
| | Dungeness ... | 29.86 | 57 | W | 6 | o | 29.77 | - | 23 | 55 | + | 2 | WNW | 4 | c | 3 | o | 59 | 53 | 0.04 | |
| | North Foreland | 29.84 | 55 | WSW | 5 | og | 29.78 | - | 20 | 52 | + | 2 | WNW | 4 | 6p | 3 | o | 57 | 48 | - | |
| | London ... | 29.83 | 56 | SW | 5 | ov | 29.81 | - | 18 | 49 | - | 2 | W | 1 | 6 | # | o | 58 | 48 | - | |
| | Oxford ... | 29.79 | 54 | SW | 6 | o | 29.80 | - | 15 | 47 | - | 3 | WSW | 3 | o | # | o | 56 | 45 | - | |
| | Cambridge ... | 29.77 | 56 | SSW | 7 | o | 29.77 | - | 15 | 46 | - | 4 | SW | 4 | 6c | # | o | 58 | 43 | 0.05 | |
| PENINSULA. | Yarmouth ... | 29.72 | 55 | WSW | 6 | cp | 29.72 | - | 16 | 46 | - | 2 | WSW | 3 | 6w | 3 | c | 55 | 44 | 0.01 | |
| | Cuxhaven ... | 29.70 | 50 | SW | 6 | r | 29.58 | - | 24 | 51 | + | 5 | WSW | 2 | o | # | r | 52 | 49 | 0.12 | |
| | Berlin ... | 29.86 | 47 | SW | 5 | o | 29.72 | - | 26 | 47 | + | 14 | SW | 5 | r | # | o | 50 | 45 | 0.04 | |
| | Wiesbaden ... | 29.94 | 48 | SW | 1 | o | 29.94 | - | 24 | 48 | + | 12 | SW | 1 | o | # | # | 52 | 45 | - | |
| | Munich ... | 30.12 | 37 | 2 | 0 | 6c | 30.11 | - | 12 | 33 | - | 3 | S | 3 | 6c | # | 6c | 48 | 32 | - | |
| | The Helder ... | 29.73 | 54 | SW | 7 | r | 29.68 | - | 23 | 52 | - | 0 | W | 2 | c | 3 | r | 55 | 52 | 0.16 | |
| | Brussels (9 a.m.) | 29.83 | 50 | SW | 6 | r | 29.83 | - | 27 | 50 | + | 7 | SW | 6 | r | # | r | 53 | 43 | 0.04 | |
| | Cape Gris Nez | 29.86 | 56 | W | 6 | # | 29.76 | - | 23 | 56 | + | 1 | W | 6 | r | 6 | o | 57 | 50 | 0.04 | |
| | Paris ... | 30.10 | 50 | SW | 2 | o | 29.99 | - | 20 | 50 | + | 11 | SW | 3 | o | # | o | 51 | 49 | - | |
| | Brest ... | 30.13 | 57 | WNW | 4 | o | 30.01 | - | 22 | 57 | + | 3 | W | 5 | o | 4 | o | 59 | 46 | - | |
| FRANCE AND BELGIUM. | Lorient ... | 30.13 | 57 | W | 5 | o | 30.01 | - | 22 | 57 | + | 7 | W | 5 | o | 3 | o | 61 | 48 | - | |
| | Rochefort ... | 30.19 | 55 | NW | 3 | 6 | 30.10 | - | 13 | 55 | + | 6 | WSW | 3 | 6c | # | 6 | 61 | 54 | 0.08 | |
| | Belfort ... | 30.22 | 58 | E | 1 | 6 | 30.17 | - | 05 | 60 | + | 3 | W | 1 | c | # | 6 | 54 | 35 | - | |
| | Lyons ... | 30.09 | 57 | 2 | 0 | 6 | 30.07 | + | 05 | 51 | - | 0 | E | 1 | 6 | # | 6 | 64 | 48 | - | |
| | Nice ... | 30.16 | 58 | N | 3 | 6 | 30.14 | + | 00 | 45 | - | 12 | SW | 2 | 6 | # | 6 | 66 | 43 | - | |
| | Perpignan ... | 30.16 | 60 | N | 3 | o | 30.08 | - | 14 | 53 | - | 9 | E | 3 | o | 2 | o | 66 | 52 | 0.04 | |
| | Biarritz ... | 30.19 | 60 | N | 3 | o | 30.08 | - | 14 | 53 | - | 9 | E | 3 | o | 2 | o | 66 | 52 | 0.04 | |
| | Corunna ... | 30.08 | 64 | NE | 4 | 6 | 30.08 | - | 05 | 57 | - | 1 | WSW | 4 | 6 | # | 6 | 72 | 54 | - | |
| | Lisbon ... | 30.08 | 64 | NE | 4 | 6 | 30.08 | - | 05 | 57 | - | 1 | WSW | 4 | 6 | # | 6 | 72 | 54 | - | |

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, 29th October 1893.

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:

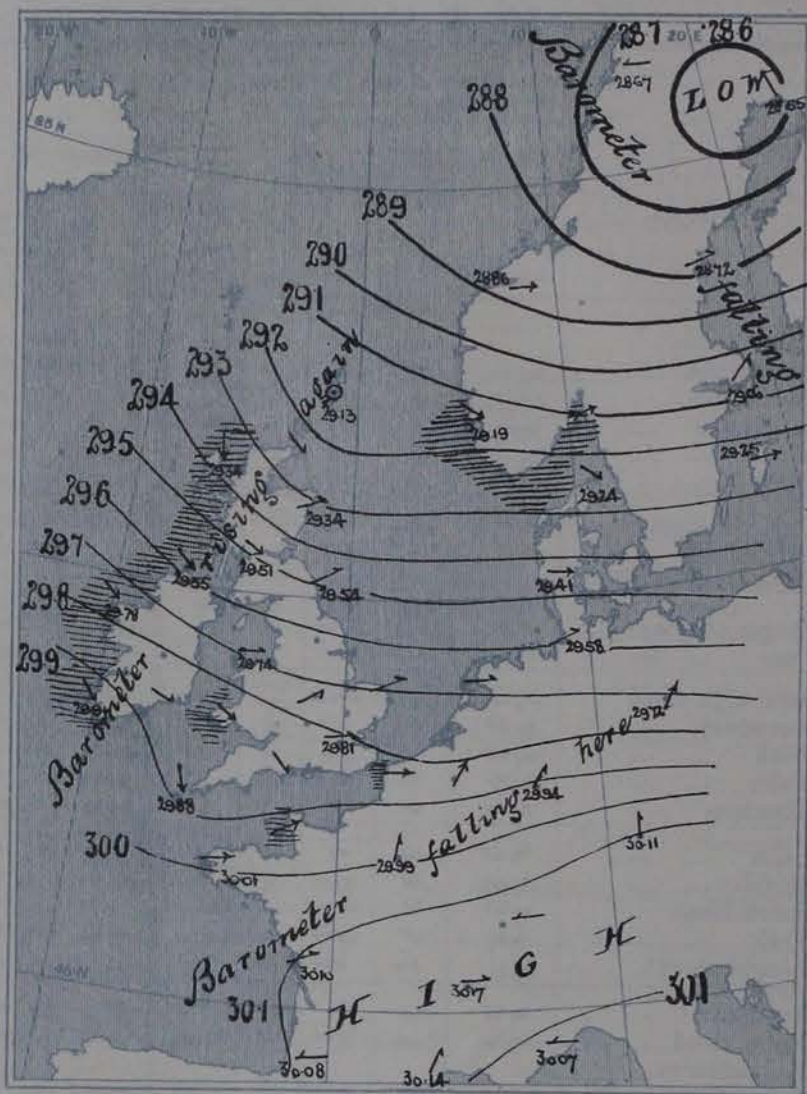
▨ = Rough. ▨ = High.

MEAN HEIGHT OF THE BAROMETER

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

During the 20 Years 1871—1890.

| STATIONS. | MEAN READINGS. |
|---------------|----------------|
| Sumburgh Head | 29.720 |
| Stornoway | 29.750 |
| Wick | 29.763 |
| Nairn | 29.779 |
| Aberdeen | 29.793 |
| Leith | 29.822 |
| Shields | 29.846 |
| Spurn Head | 29.867 |
| York | 29.882 |
| Loughborough | 29.904 |
| Ardrossan | 29.931 |
| Mullaghmore | 29.945 |
| Donaghadee | 29.950 |
| Holyhead | 29.972 |
| Liverpool | 29.979 |
| Parsonstown | 29.997 |
| Valencia | 29.996 |
| Roche's Point | 29.992 |
| Pembroke | 29.988 |
| Scilly | 29.910 |
| Prawle Point | 29.931 |
| Jersey | 29.925 |
| Hurst Castle | 29.922 |
| Dover | 29.916 |
| LONDON | 29.923 |
| Oxford | 29.924 |
| Cambridge | 29.912 |
| Yarmouth | 29.894 |



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 October.)

| STATIONS. | TEMPERATURE | | | | RAINFALL (Inches.) |
|---------------|---------------|---------------|------|------|-----------------------|
| | Daily Max. | Daily Min. | Dry. | Wet. | |
| Sumburgh Head | 49.8 | 41.6 | 46.0 | 44.3 | 4.27 |
| Stornoway | 51.0 | 40.5 | 45.6 | 44.5 | 5.04 |
| Wick | 51.7 | 40.5 | 46.3 | 44.6 | 3.02 |
| Nairn | 51.9 | 40.8 | 44.8 | 42.9 | 2.38 |
| Aberdeen | 52.5 | 41.4 | 45.0 | 43.6 | 2.87 |
| Leith | 54.7 | 41.8 | 46.7 | 44.9 | 1.97 |
| Shields | 53.2 | 42.7 | 47.2 | 45.4 | 2.48 |
| Spurn Head | 53.3 | 43.7 | 48.8 | 47.3 | 2.27 |
| York | 54.5 | 41.4 | 45.9 | 44.5 | 2.60 |
| Loughborough | 55.7 | 41.1 | 45.9 | 44.6 | 2.80 |
| Ardrossan | 53.7 | 43.7 | 47.8 | 45.8 | 3.87 |
| Mullaghmore | 54.2 | 45.7 | 49.1 | 46.9 | 4.75 |
| Donaghadee | 53.6 | 43.6 | 47.8 | 46.6 | 3.14 |
| Holyhead | 54.7 | 47.3 | 50.3 | 48.3 | 4.31 |
| Liverpool | 53.8 | 44.7 | 47.8 | 45.8 | 3.46 |
| Parsonstown | 54.8 | 41.0 | 46.2 | 44.5 | 3.16 |
| Valencia | 56.6 | 46.8 | 51.4 | 49.2 | 5.88 |
| Roche's Point | 56.0 | 46.1 | 50.2 | 48.5 | 4.09 |
| Pembroke | 54.9 | 48.0 | 51.2 | 49.2 | 3.90 |
| Scilly | 56.6 | 50.2 | 53.7 | 51.6 | 3.70 |
| Prawle Point | 56.7 | 46.2 | 51.2 | 49.6 | 3.60 |
| Jersey | 58.2 | 48.6 | 53.3 | 50.7 | 4.45 |
| Hurst Castle | 57.1 | 45.8 | 50.8 | 49.2 | 3.26 |
| Dover | 56.1 | 46.2 | 50.2 | 48.2 | 3.22 |
| LONDON | 56.7 | 42.7 | 47.5 | 45.0 | 2.57 |
| Oxford | 55.5 | 42.2 | 46.2 | 44.9 | 2.56 |
| Cambridge | 56.5 | 41.0 | 46.4 | 45.3 | 2.27 |
| Yarmouth | 54.3 | 44.6 | 49.0 | 47.6 | 2.02 |

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 more to 30.0 ins: over the southern parts of Germany and France, and above 30.0 ins: over Spain and the Bay of Biscay.
Lowest, 28.6 ins: and less, over the north of Sweden.

Gradients rather steep, but irregular over our Islands, moderate over the North Sea and Scandinavia, slight over Southern Europe generally.
Barometer rising in Scotland and the west of Norway, falling fast over Lapland, and slightly, over France and the south of our Islands.

TEMPERATURE

Highest, 57° at Lisbon, and above 50° over France, the Netherlands, and the south of our Islands.

Lowest, (1) 32° to 37° over the northern part of Norway and Sweden; (2) 35° at Limerick 11^h, 39° at Tromsø and Kain, 41° at Leth.

Falling over Scotland and the north of Ireland, but rising over the greater part of France. The fall seems to be spreading southward.

WIND

Strong W^s over the eastern shores of the North Sea, moderate to fresh from the same quarter over England; fresh to strong NW^s in Ireland, N^s at Tromsø.

Over the Spanish Peninsula E^s breezes still prevail.

WEATHER

Very changeable. Fine over the southeastern and eastern parts of England and Scotland. Cloudy, squally, and showery in the west and north, with hail in places.

SEA

Rough in the north and in the southeast, rather so in the west, but inclined to go down as a whole.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

FORECASTS

For the 24 hours ending at NOON on 30th OCT^r 1893.

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.

The South Cone was hoisted yesterday on all coasts but has been lowered this morning except in districts O.I. Coast of S.

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 ... | 29.10 | 52 | 50 | SW | 8 | r | 5 | Valencia ... | 29.84 | 56 | 56 | SW | 6 | rm | 6 |
| Sumburgh Head ... | 29.06 | 43 | 42 | NNW | 3 | bc | 4 | Scilly ... | 30.03 | 56 | 53 | WSW | 5 | o | 4 |
| Stornoway ... | 29.31 | 46 | 44 | VV | 7 | bc | 6 | Jersey ... | 30.09 | 57 | 55 | W | 5 | opq | 4 |
| Aberdeen ... | 29.28 | 54 | 46 | WNW | 7 | bc | 4 | Hurst Castle ... | 29.97 | 58 | 56 | W | 6 | cg | 4 |
| Shields ... | 29.45 | 58 | 53 | WSW | 5 | c | 2 | Dungeness ... | 29.87 | 58 | 53 | W | 6 | c | 4 |
| Ardrossan ... | 29.47 | 50 | 49 | W | 5 | c | 4 | North Foreland ... | 29.89 | 57 | 52 | WSW | 5 | o | 4 |
| Malin Head ... | 29.52 | 49 | 47 | NW | 6 | c | 4 | London (Westminster) ... | 29.88 | 59 | 53 | WSW | 3 | o | # |
| Mullaghmore ... | | | | | | | | Yarmouth ... | 29.77 | 54 | 52 | WSW | 5 | cg | 4 |
| Belmullet ... | 29.60 | 51 | 47 | NW | 5 | o | # | Rochefort ... | ? 30.19 | 60 | 56 | WNW | 3 | bc | # |
| Holyhead ... | 29.72 | 50 | 53 | SW | 5 | opg | 5 | | | | | | | | |

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

Weather cloudy, and unsettled over our Islands, the west of France, and the greater part of northern and eastern Europe, with showers at several of our southern stations, and with steady rain on our extreme north and northwest coasts, as well as in Norway and the north of Denmark. Fine and bright over Sweden, Germany and the greater part of southern Europe. Rain falling during day in almost all parts of the northwestern and northern countries, — amounts large at some of the Scandinavian stations, as well as at Paris and London.

Temperature risen considerably in our Islands, but fallen at most of the Continental stations. Morning readings highest 68° at Malta, 66° at Algiers, 64° at Sfax, and 63° at Brindisi; varying between 50° and 55° in most part of the United Kingdom. Lowest 32° at Hona and, 33° at Haparanda and Uleaborg, and 37° at Bodo, Archangel, and Kuopio, below 40° at most of the Swedish and Russian stations. Rising during day to between 55° and 59° in most parts of our Islands, and reaching 60° at Aberdeen, exceeding 60° in the west and south of France, and exceeding 70° in Spain and Italy.

Wind moderate to strong from the Wnd or SWnd over northwestern and northern Europe generally, with a gale at Christiansund, light from the Snd over the central and southern parts of Russia. Cyclonic circulation reported over Italy, the Adriatic, and the central part of the Mediterranean. Light to moderate from between N. and E. over the Spanish Peninsula. Subsequently increasing to a moderate gale from the Wnd in most parts of the United Kingdom, and to a fresh or strong gale from the SWnd over the more southern parts of Scandinavia.

Barometer highest 30.1 ins. and upwards, in an anticyclone covering the greater part of Spain, France, and southern Germany, and also in another system over the south of Russia. Lowest 29.0 ins. and less, in a large depression lying to the northward of our Islands; gradient rather steep over northwestern Europe generally. Depression subsequently moving eastwards to Scandinavia, small secondary disturbances passing across our Islands and the North Sea.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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

N.B.—The morning observations are 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, 30th October,

1893

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. | | Sea (0 to 9). | SHADE TEMP. | | Amount of Rainfall. | | | |
| | | Reading at 32° F. and Sea Level. | Dry Bulb. | Direc. | 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). | Weather. | | Max. | Min. | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| Ins. | | ° | | | | Ins. | ° | ° | ° | | | | | | ° | ins. | | | | | |
| Haparanda ... | | 28.61 | 35 | SW | 2 | 0 | 28.76 | + 2.1 | 35 | 33 | - 2 | W | 4 | 0 | 41 | 32 | 0.12 | | | | |
| Hernösand ... | | 28.94 | 38 | SW | 2 | 0 | 29.04 | + 3.2 | 33 | 30 | - 3 | W | 2 | 0 | 45 | 33 | - | | | | |
| Stockholm ... | | 29.19 | 40 | W | 2 | 0 | 29.24 | + 1.8 | 39 | 37 | - 4 | SW | 2 | 0 | 48 | 39 | - | | | | |
| Wisby ... | | 29.34 | 44 | WSW | 4 | 0 | 29.41 | + 1.6 | 44 | 41 | - 2 | WSW | 6 | 0 | 48 | 41 | - | | | | |
| Bodö ... | | 28.75 | 40 | W | 2 | 0 | 28.83 | + 1.6 | ? | 35 | ? | W | 0 | 0 | 40 | 30 | 0.24 | | | | |
| Christiansund... | | 29.09 | 38 | WSW | 6 | 0 | 29.12 | + 2.6 | 41 | 38 | - 2 | WSW | 6 | 0 | 43 | 37 | 0.35 | | | | |
| Skudesnaes ... | | 29.19 | 43 | WSW | 8 | 0 | 29.48 | + 2.9 | 40 | 37 | - 3 | WSW | 5 | 0.9h | 43 | 36 | - | | | | |
| Christiania Fjord (Færd) | | 29.13 | 45 | WSW | 6 | 0 | 29.32 | + 2.1 | 43 | 38 | - 2 | WSW | 5 | 0 | 46 | 41 | - | | | | |
| Skagen (The Scaw) | | 29.23 | 39 | WSW | 2 | 0 | 29.37 | + 1.3 | 44 | 40 | - 1 | WSW | 4 | bc | 48 | 37 | 0.16 | | | | |
| Fanö ... | | 29.46 | 46 | W | 8 | 0 | 29.62 | + 2.1 | 44 | 41 | - 4 | WSW | 6 | 0 | 52 | 43 | 0.08 | | | | |
| Sumburgh Head | | 29.34 | 38 | N | 5 | cps | 29.64 | + 5.1 | 38 | 35 | + 3 | N | 4 | bc | 43 | 34 | 0.19 | | | | |
| Stornoway ... | | 29.60 | 41 | NW | 4 | c | 29.88 | + 5.4 | 36 | 35 | - 3 | N | 5 | 5 | 44 | 34 | 0.05 | | | | |
| Wick ... | | 29.48 | 37 | NW | 5 | 0 | 29.76 | + 5.5 | 36 | 35 | - 11 | NW | 4 | asp | 47 | 33 | 0.30 | | | | |
| Nairn ... | | 29.59 | 39 | WSW | 2 | c | 29.85 | + 5.3 | 36 | 34 | - 3 | WSW | 1 | bp | 40 | 33 | 0.07 | | | | |
| Aberdeen ... | | 29.56 | 38 | W | 5 | bq | 29.82 | + 4.8 | 36 | 33 | - 6 | WSW | 4 | bq | 44 | 34 | 0.01 | | | | |
| Leith ... | | 29.60 | 41 | WSW | 3 | 0 | 29.89 | + 4.3 | 34 | 32 | - 7 | WSW | 2 | 0 | 49 | 32 | 0.01 | | | | |
| Shields ... | | 29.61 | 43 | SW | 3 | 0 | 29.87 | + 3.3 | 35 | 32 | - 9 | W | 2 | 0 | 48 | 31 | - | | | | |
| Spurn Head ... | | 29.67 | 46 | W | 4 | 0 | 29.85 | + 2.1 | 41 | 39 | - 6 | NW | 3 | bw | 49 | 39 | 0.02 | | | | |
| York ... | | 29.68 | 44 | W | 3 | 0 | 29.89 | + 2.7 | 30 | 29 | - 16 | WSW | 1 | 0 | 51 | 29 | - | | | | |
| Loughborough | | 29.77 | 43 | W | 1 | 0 | 29.91 | + 1.8 | 32 | 31 | - 13 | WSW | 1 | bm | 55 | 32 | - | | | | |
| Ardrossan ... | | 29.67 | 44 | N | 2 | 0 | 29.92 | + 4.1 | 37 | 35 | - 8 | NW | 1 | 0 | 50 | 38 | 0.02 | | | | |
| Malin Head ... | | 29.73 | 45 | NW | 5 | shp | 29.94 | + 3.9 | 39 | 38 | - 4 | S | 2 | bc | 46 | 38 | 0.03 | | | | |
| Mullaghmore ... | | | | | | | | | | | | | | | | | | | | | |
| Belmullet ... | | 29.87 | 46 | WSW | 2 | bc | 30.00 | + 2.2 | 48 | 41 | 0 | WSW | 2 | bc | 49 | 40 | 0.16 | | | | |
| Donaghadee ... | | 29.74 | 42 | WSW | 3 | c | 29.93 | + 2.8 | 44 | 39 | + 4 | N | 5 | bc | 49 | 38 | 0.01 | | | | |
| Liverpool (Bldston) | | 29.77 | 43 | W | 5 | 0 | 29.92 | + 2.3 | 40 | 38 | - 9 | N | 1 | 0 | 49 | 40 | 0.09 | | | | |
| Holyhead ... | | 29.76 | 47 | WSW | 4 | cq | 29.91 | + 1.7 | 45 | 43 | - 3 | NE | 1 | 0 | 51 | 41 | 0.15 | | | | |
| Parsonstown ... | | 29.88 | 41 | SW | 1 | 0 | 30.01 | + 1.9 | 32 | 31 | - 11 | SW | 1 | 0 | 50 | 30 | - | | | | |
| Valencia ... | | 29.96 | 46 | N | 3 | cp | 30.08 | + 1.7 | 46 | 43 | - 4 | N | 4 | oqp | 52 | 41 | 0.07 | | | | |
| Roche's Point | | 29.89 | 48 | NW | 3 | 0 | 30.03 | + 1.6 | 41 | 39 | - 8 | NW | 2 | 0 | 50 | 39 | - | | | | |
| Pembroke (St. Ann's Hd.) | | 29.83 | 50 | NW | 4 | c | 29.94 | + 1.1 | 46 | 42 | - 7 | WSW | 3 | bc | 58 | 44 | 0.01 | | | | |
| Scilly ... | | 29.86 | 54 | WSW | 4 | 0 | 29.94 | + 0.6 | 49 | 44 | - 4 | N | 4 | 0 | 56 | 44 | - | | | | |
| Prawle Point ... | | 29.87 | 50 | WSW | 1 | 0 | 29.94 | + 0.8 | 42 | 40 | - 9 | WSW | 2 | bc | 53 | 39 | - | | | | |
| Jersey (St. Aubin's) | | 29.86 | 52 | NW | 3 | oqmp | 29.89 | - 2 | 48 | 46 | - 10 | NE | 3 | oqpm | 58 | 47 | 0.53 | | | | |
| Hurst Castle ... | | 29.82 | 52 | WSW | 3 | bc | 29.90 | + 0.6 | 39 | 38 | - 13 | N | 2 | 0 | 58 | 38 | - | | | | |
| Dungeness ... | | 29.78 | 51 | S | 3 | bc | 29.86 | + 0.9 | 42 | 41 | - 13 | N | 1 | om | 59 | 41 | - | | | | |
| North Foreland | | 29.73 | 49 | WSW | 2 | bq | 29.85 | + 0.7 | 44 | 41 | - 8 | WSW | 2 | 0 | 56 | 38 | - | | | | |
| London ... | | 29.78 | 51 | W | 1 | 0 | 29.90 | + 0.9 | 40 | 38 | - 9 | NW | 1 | bm | 56 | 39 | - | | | | |
| Oxford ... | | 29.83 | 44 | W | 1 | bc | 29.91 | + 1.1 | 38 | 33 | - 12 | NW | 1 | 0 | 55 | 34 | - | | | | |
| Cambridge ... | | 29.78 | 45 | SSW | 3 | 0 | 29.90 | + 1.3 | 36 | 35 | - 10 | W | 1 | 0 | 56 | 33 | 0.01 | | | | |
| Yarmouth ... | | 29.70 | 49 | WSW | 4 | 0 | 29.84 | + 1.2 | 37 | 36 | - 9 | WSW | 2 | bm | 52 | 34 | - | | | | |
| Cuxhaven ... | | 29.62 | 45 | SW | 5 | 0 | 29.74 | + 1.6 | 44 | 43 | - 7 | SW | 3 | bc | 51 | 42 | 0.23 | | | | |
| Berlin ... | | 29.71 | 51 | SW | 3 | 0 | 29.79 | + 0.7 | 46 | 45 | - 1 | SW | 2 | 0 | 52 | 45 | 0.16 | | | | |
| Wiesbaden ... | | 29.81 | 49 | SW | 2 | 0 | 29.81 | - 1.3 | 49 | 49 | + 1 | W | 0 | 0 | 54 | 48 | 0.08 | | | | |
| Munich ... | | 29.99 | 41 | SW | 2 | 0 | 29.96 | - 1.5 | 39 | 38 | + 6 | SW | 4 | 0 | 54 | 33 | - | | | | |
| The Helder ... | | 29.73 | 51 | W | 6 | 0 | 29.82 | + 1.4 | 44 | 44 | - 4 | WSW | 2 | 0 | 54 | 48 | - | | | | |
| Brussels (9 a.m.) | | 29.87 | 43 | W | 2 | 0 | 29.87 | + 0.4 | 43 | 43 | - 7 | W | 2 | 0 | 52 | 43 | 0.16 | | | | |
| Cape Gris Nez | | 29.98 | 54 | NW | 4 | 0 | 29.81 | + 0.5 | ? | 54 | ? | N | 1 | 0 | 57 | 45 | - | | | | |
| Paris ... | | 29.89 | 55 | NW | 3 | 0 | 29.83 | - 1.6 | 48 | 48 | - 2 | NE | 1 | 0 | 58 | 48 | 0.43 | | | | |
| Brest ... | | ? | 51 | E | 1 | 0 | ? | ? | 49 | 47 | - 9 | NE | 2 | 0 | 59 | 37 | 0.67 | | | | |
| Lorient ... | | 29.89 | 57 | WSW | 5 | 0 | 29.85 | - 1.6 | 48 | 47 | - 10 | N | 4 | 0 | 59 | 46 | 0.20 | | | | |
| Rocheport ... | | 30.04 | 57 | W | 3 | bc | 29.87 | - 2.3 | 55 | 55 | 0 | S | 3 | 0 | 63 | 50 | 0.08 | | | | |
| Belfort ... | | ? | 45 | E | 3 | 0 | ? | ? | 42 | 38 | + 4 | W | 3 | 0 | 57 | 38 | - | | | | |
| Lyons ... | | 30.07 | 49 | E | 1 | 0 | 29.99 | - 1.8 | 38 | 38 | - 2 | NE | 1 | 0 | 55 | 35 | - | | | | |
| Nice ... | | 29.98 | 57 | W | 0 | 0 | 29.91 | - 1.6 | 52 | 51 | + 1 | E | 1 | 0 | 64 | 50 | 0.04 | | | | |
| Perpignan ... | | 30.02 | 53 | NW | 1 | 0 | 29.95 | - 1.9 | 52 | 50 | + 7 | NW | 1 | 0 | 70 | 45 | - | | | | |
| Biarritz ... | | 30.02 | 57 | E | 2 | 0 | 29.85 | - 2.3 | 51 | 50 | - 2 | SE | 2 | bc | 63 | 46 | - | | | | |
| Corunna ... | | 29.97 | 62 | WSW | 4 | 0 | 29.91 | - 1.7 | 58 | 56 | + 1 | NE | 3 | 0 | 72 | 55 | - | | | | |
| 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 Monday, 30th Oct^r 1893

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

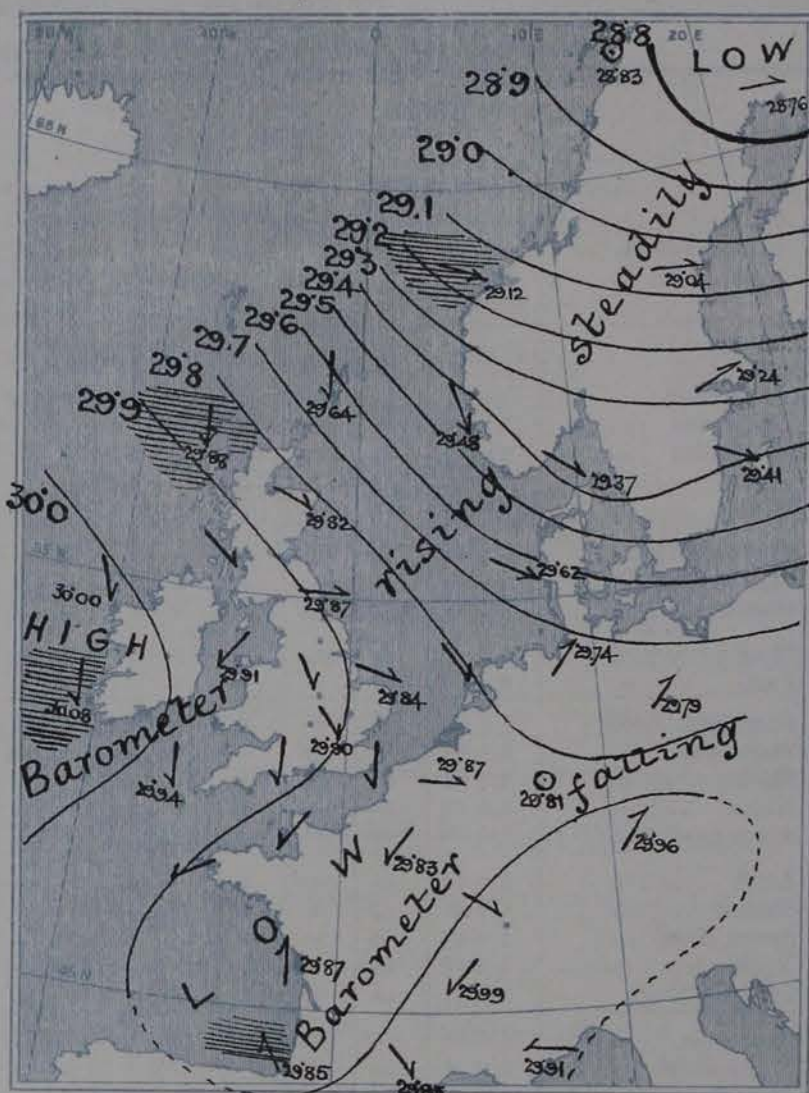
at 8.0 a.m. for the month of October.

During the 20 Years 1871—1890.

STATIONS.

MEAN READINGS.

| STATIONS. | MEAN READINGS. |
|---------------|----------------|
| Sumburgh Head | 29.726 |
| Stornoway | 29.756 |
| Wick | 29.763 |
| Nairn | 29.779 |
| Aberdeen | 29.793 |
| Leith | 29.822 |
| Shields | 29.846 |
| Spurn Head | 29.867 |
| York | 29.882 |
| Loughborough | 29.904 |
| Ardrossan | 29.831 |
| Mullaghmore | 29.845 |
| Donaghadee | 29.850 |
| Holyhead | 29.872 |
| Liverpool | 29.879 |
| Parsonstown | 29.897 |
| Valencia | 29.896 |
| Roche's Point | 29.892 |
| Pembroke | 29.888 |
| Scilly | 29.910 |
| Prawle Point | 29.931 |
| Jersey | 29.925 |
| Hurst Castle | 29.922 |
| Dover | 29.916 |
| LONDON | 29.923 |
| Oxford | 29.924 |
| Cambridge | 29.912 |
| Yarmouth | 29.894 |



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.

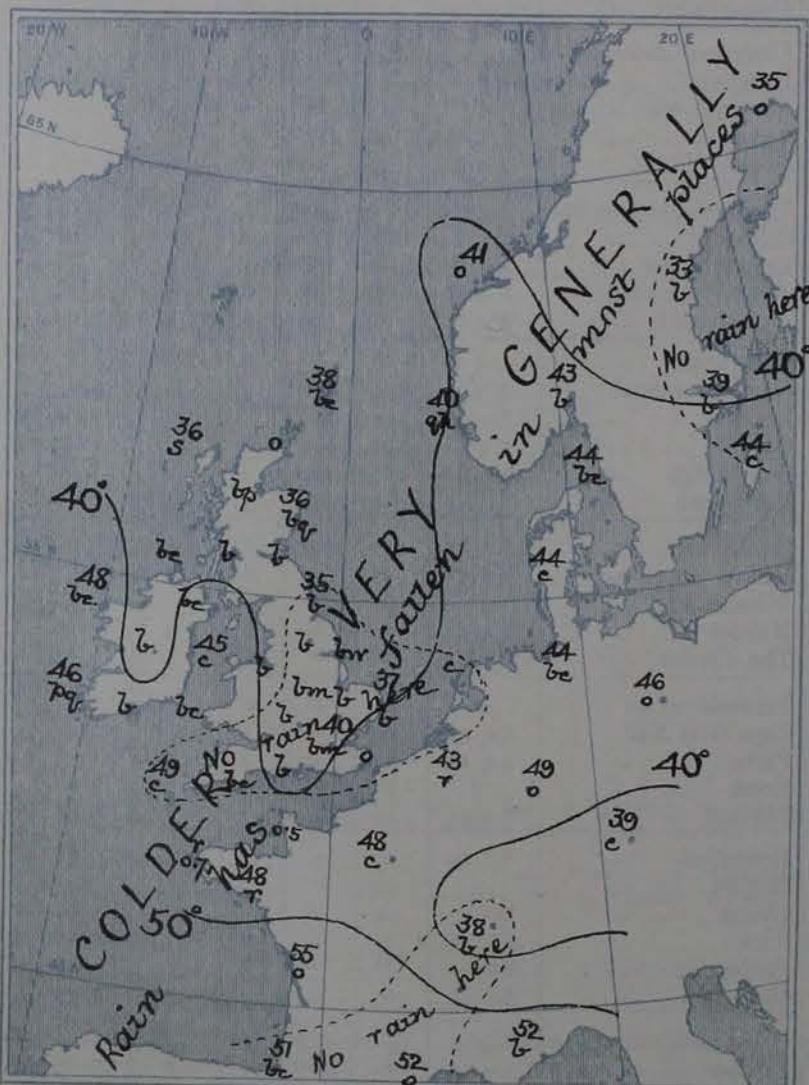
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL.

(For the month of October.)

| STATIONS. | TEMPERATURE. | | | | RAINFALL. (Inches.) |
|---------------|---------------|---------------|-----------|------|------------------------|
| | Daily Max. | Daily Min. | AT 8 A.M. | | |
| | | | Dry. | Wet. | |
| Sumburgh Head | 49.8 | 41.6 | 46.0 | 44.3 | 4.27 |
| Stornoway | 51.0 | 40.5 | 45.6 | 44.5 | 5.04 |
| Wick | 51.7 | 40.5 | 46.3 | 44.6 | 3.02 |
| Nairn | 51.9 | 40.8 | 44.8 | 42.9 | 2.38 |
| Aberdeen | 52.5 | 41.4 | 45.6 | 43.6 | 2.87 |
| Leith | 54.7 | 41.8 | 46.7 | 44.9 | 1.97 |
| Shields | 53.2 | 42.7 | 47.2 | 45.4 | 2.48 |
| Spurn Head | 53.3 | 45.7 | 48.8 | 47.3 | 2.27 |
| York | 54.5 | 41.4 | 45.9 | 44.5 | 2.60 |
| Loughborough | 55.7 | 41.1 | 45.9 | 44.8 | 2.80 |
| Ardrossan | 53.7 | 43.7 | 47.8 | 45.8 | 3.87 |
| Mullaghmore | 54.2 | 45.7 | 49.1 | 46.9 | 4.75 |
| Donaghadee | 53.6 | 43.6 | 47.8 | 46.6 | 3.14 |
| Holyhead | 54.7 | 47.3 | 50.3 | 48.3 | 4.31 |
| Liverpool | 53.8 | 44.7 | 47.8 | 45.8 | 3.48 |
| Parsonstown | 54.8 | 41.0 | 46.2 | 44.5 | 3.16 |
| Valencia | 56.6 | 46.8 | 51.4 | 49.2 | 5.88 |
| Roche's Point | 56.0 | 46.1 | 50.2 | 48.3 | 4.00 |
| Pembroke | 54.0 | 48.0 | 51.2 | 49.2 | 3.96 |
| Scilly | 56.6 | 50.2 | 53.7 | 51.6 | 3.70 |
| Prawle Point | 56.7 | 46.2 | 51.2 | 49.6 | 3.60 |
| Jersey | 58.2 | 48.6 | 53.3 | 50.7 | 4.45 |
| Hurst Castle | 57.1 | 45.8 | 50.8 | 49.2 | 3.20 |
| Dover | 56.1 | 46.2 | 50.2 | 48.2 | 3.22 |
| LONDON | 56.7 | 42.7 | 47.5 | 45.9 | 2.57 |
| Oxford | 55.5 | 42.2 | 46.2 | 44.9 | 2.56 |
| Cambridge | 56.5 | 41.0 | 46.4 | 45.3 | 2.27 |
| Yarmouth | 54.3 | 44.6 | 49.0 | 47.6 | 2.92 |

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 ins: and more to 29.8 ins: in the eastern part of an anticyclone spreading in over the western part of our Islands from the Atlantic.
 Lowest, 28.8 ins: and less to 28.9 ins: over Lapland.
 Gradients favourable for Nth winds over the United Kingdom and Channel and slight.
 Barometer rising on all our coasts, falling in the south of France.

TEMPERATURE

Highest, above 50° on the Spanish coast and in the extreme south and southwest of France, 49° at Kelly, 46° at Valencia.
 Lowest, 30° at York, 32° at Loughborough and Parsonstown, 33° to 35° at the Swedish stations, 34° to 37° at the Scotch stations.
 It has fallen decidedly in our Islands since yesterday, especially in the southern and midland parts of England.

WIND

NWth fresh to strong, in Norway; Nth and NWth moderate, in Scotland; Nth, light, over England; NEth over Brittany.
 The gales reported on our coasts during Saturday and yesterday have quite died down.

WEATHER

Fine and dry over England, still rather showery and unsettled in Scotland and Ireland, with snow at Tromsø and Thiel;
 dull in Norway, clear in Denmark, rainy over Brittany.
 A little rain or hail fell yesterday at many of the western and northern stations, and a considerable quantity over Brittany
 and the Channel Islands. Halos were seen at many of the English stations yesterday, and bright Auroral Boreas at Southport, Rocher, &c.

SEA

Still rough at Christiansund, moderate at our extreme northwestern and southwestern stations, smooth in the Channel and off our east coast.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Fine cold weather with light Nth to NWth breezes seem likely to continue in most places, fog is likely to occur inland tonight.

FORECASTS

For the 24 hours ending at NOON on 31st OCTOBER, 1893.

DISTRICTS.

FORECASTS.

- | | | |
|---|------------------|---|
| 0 | SCOTLAND NORTH | } NW th and W th breezes; fair generally. |
| 1 | SCOTLAND EAST | |
| 2 | ENGLAND N.E. | } N th and NW th winds, tight; fine. Very cold tonight, perhaps foggy. |
| 3 | ENGLAND EAST | |
| 4 | MIDLAND COUNTIES | |
| 5 | ENGLAND SOUTH | |

DISTRICTS.

FORECASTS.

- | | | |
|----------|---------------|---|
| 6 | SCOTLAND WEST | } Same as No. 0. |
| 7 | ENGLAND N.W. | |
| 8 | ENGLAND S.W. | NE th and N th winds, moderate; fine. |
| 9 | IRELAND NORTH | Same as No. 0 |
| 10 | IRELAND SOUTH | NW th winds, tight; fine. |
| 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. | | | |
| Stadenesnes ... | 29.16 | 43 | 41 | HW | 4 | 0 | 5 | Valencia ... | | | | | | | |
| Sumburgh Head ... | | | | | | | | Scilly ... | | | | | | | |
| Stornoway ... | 29.39 | 44 | 43 | N | 5 | 7 | 5 | Jersey ... | 29.85 | 58 | 57 | NSN | 5 | ogg | 4 |
| Aberdeen ... | | | | | | | | Hurst Castle ... | | | | | | | |
| Stuelds ... | | | | | | | | Dungeness ... | 29.77 | 57 | 55 | HW | 3 | bc | 3 |
| Ardrossan ... | | | | | | | | North Foreland ... | 29.76 | 54 | 48 | HW | 3 | b | 3 |
| Malin Head ... | 29.67 | 45 | 42 | NHW | 6 | 60 | 4 | London ... | | | | | | | |
| Mullaghmore ... | | | | | | | | Yarmouth ... | | | | | | | |
| Behaulet ... | 29.88 | 49 | 42 | HW | 3 | 6 | * | Rochefort ... | 30.10 | 59 | 56 | N | 3 | bc | * |
| Holyhead ... | 29.75 | 50 | 45 | NHW | 4 | 60 | 4 | | | | | | | | |

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

Weather fine in the eastern parts of St. Britain, but cloudy in the west and north of our Islands, with hail showers on our extreme northwest coasts. Fine and bright over southern and southeastern Europe generally, as well as in Sweden and Denmark; cloudy in other parts of the Continent, with rain over Belgium, N. Germany and the Gulf of Finland. Fog reported at some of the Austrian stations. Slight showers occurring during day in many parts of our Islands, and considerable quantities of rain over the Channel Islands and the north of France.

Temperature fallen in most places. Morning readings, highest 69° at Malta, 65° at Barcelona and Algiers, 64° at Brindisi, and 63° at Cron; above 55° at some of the English Channel stations. Lowest (1) 32° at Oslo, 33° at Archangel, and 36° at Uleaborg and Heringsand; (2) 35° at Sumburgh H., 39° at Stornoway and Nairn, and 41° at Leith. Remaining below 45° all day in the N. of Scotland, but rising to between 55° and 59° at most of our southern stations, exceeding 60° in the west and south of France, and reaching 70° at Perpignan.

Wind fresh or strong from the NW. on our western coasts, but moderate from W. or SW. in the east. Strong to a gale from the W. or SW. over N. Germany, the Baltic and the southern parts of Scandinavia; moderate to strong from the S. over the N. of Russia. Light and variable over Austria and the south of Russia; W. in Italy; NE. in Spain; SE. in Algeria. Moderating later on our western coasts.

Barometer highest 30.1 ins. to 30.2 ins. over the S. of Russia, and also over the S. parts of France and Germany. Lowest 29.6 ins. and less in a well marked depression over the N. of Sweden; secondary disturbances passing eastwards over our Islands and the North Sea, and gradients steep over all the N. parts of Europe. Barometer rising later on all our western and northern coasts, and anticyclone appearing off the southwest of Ireland.

SUMMARY OF CHANGES IN THE WEATHER OVER THE BRITISH ISLANDS AND THEIR NEIGHBOURHOOD FROM THE 22ND TO 28TH OCTOBER 1893.

The marked feature in the distribution of pressure during this week was the existence of high pressures (anticyclonic) over the southern and southwestern parts of our area, and of low pressures (cyclonic) in the far north. The latter systems were very large, and followed one another closely in their journey from the Atlantic to the extreme northern parts of Europe, while their secondaries were slight, and travelled across the United Kingdom. The wind has consequently varied between SW. and NW. in direction and has been fresh in force—at times blowing with the force of a moderate or fresh gale—more especially at the northern stations.

The most striking contrast between the two localities, however, is found in the rainfall, which was of daily occurrence in the north and northwest, and largely exceeded the mean in quantity, while in the south falls occurred on very few days, and were decidedly less than the mean—amounting in some places to only a few hundredths of an inch.

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, 31ST OCTOBER, 1893**

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 | 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 Yesterday Morn. | Dry Bulb. | Wet Bulb. | Change in dry since Yesterday. | Direc. | Force (0 to 12). | Weather. | Sea (0 to 9). | Max. | Min. | | | | | | |
| Ins. | | ° | | | | Ins. | ° | ° | ° | | | | | ° | ins. | | | | | |
| Haparanda ... | | 29.00 | 32 | W | 2 | 0 | 29.04 | +58 | 30 | 28 | -5 | WNW | 2 | bc | * | 0 | 36 | 2 | — | |
| Hernösand ... | | 29.21 | 37 | SW | 4 | 0 | 29.35 | +53 | 37 | 35 | +4 | W | 2 | bc | * | 0 | 48 | 30 | — | |
| Stockholm ... | | 29.45 | 39 | W | 2 | 0 | 29.52 | +48 | 36 | 34 | -3 | W | 2 | bc | * | 0 | 45 | 36 | — | |
| Wisby ... | | 29.62 | 44 | W | 6 | 0 | 29.79 | +58 | 43 | 41 | -1 | WNW | 4 | c | * | 0 | 46 | 41 | — | |
| Bodö ... | | 29.19 | 40 | N | 4 | bc | 29.60 | +77 | 37 | 34 | 2 | N | 4 | bc | 2 | bc | 41 | 34 | 0.04 | |
| Christiansund... | | 29.52 | 42 | WNW | 7 | c | 29.84 | +72 | 41 | 36 | 0 | WNW | 4 | T | 6 | c | 43 | 37 | 0.09 | |
| Skudesnaes ... | | 29.72 | 42 | NW | 5 | T | 29.86 | +38 | 37 | 37 | -1 | NNW | 2 | c | 2 | c.T | 45 | 36 | — | |
| Christiania Fjord (Færder) | | 29.51 | 45 | WNW | 5 | 0 | 29.79 | +47 | 42 | 39 | -1 | NNE | 2 | bc | 2 | bc | 48 | 41 | — | |
| Skagen (The Seaw) | | 29.59 | 44 | NW | 4 | 0 | 29.79 | +42 | 42 | 39 | -2 | WNW | 1 | bc | 0 | bc | 46 | 37 | — | |
| Fanö ... | | 29.78 | 41 | NW | 2 | 0 | 29.88 | +26 | 40 | 38 | -4 | W | 2 | c | * | 0 | 48 | 37 | 0.16 | |
| Sumburgh Head | | 29.81 | 36 | N | 4 | c | 30.00 | +36 | 36 | 33 | -2 | N | 1 | bc | 3 | bc | 41 | 33 | 0.15 | |
| Stornoway ... | | 30.05 | 34 | N | 4 | 0 | 30.10 | +22 | 32 | 32 | -4 | N | 2 | bc | 3 | bc | 41 | 31 | 0.10 | |
| Wick ... | | 30.00 | 34 | NW | 4 | 0 | 30.06 | +30 | 34 | 33 | -2 | W | 2 | bc | 2 | bc | 42 | 30 | 0.10 | |
| Nairn ... | | 30.22 | 34 | W | 1 | 0 | 30.12 | +23 | 35 | 33 | -1 | WNW | 1 | c | 1 | bc | 39 | 30 | — | |
| Aberdeen ... | | 29.98 | 34 | WNW | 2 | c | 30.13 | +31 | 32 | 31 | -4 | WNW | 3 | bc | 4 | bc | 40 | 31 | 0.10 | |
| Leith ... | | 30.02 | 37 | WNW | 3 | 0 | 30.17 | +28 | 32 | 30 | -2 | W | 2 | bc | * | 0 | 48 | 30 | — | |
| Shields ... | | 29.97 | 37 | WNW | 2 | c | 30.12 | +25 | 33 | 31 | -2 | WNW | 2 | bc | 2 | bc | 46 | 30 | — | |
| Spurn Head ... | | 29.95 | 42 | NW | 3 | 0 | 30.05 | +20 | 38 | 37 | -3 | NW | 3 | bc | 5 | bc | 46 | 34 | — | |
| York ... | | 29.97 | 37 | N | 1 | 0 | 30.12 | +23 | 30 | 29 | 0 | N | 1 | bc | * | 0 | 45 | 27 | — | |
| Loughborough | | 30.01 | 31 | N | 1 | 0 | 30.15 | +24 | 28 | 27 | -4 | NW | 1 | bc | * | 0 | 48 | 25 | — | |
| Ardrossan ... | | 30.02 | 40 | NW | 2 | 0 | 30.19 | +27 | 37 | 32 | -4 | 2 | 0 | c | 0 | bc | 47 | 31 | — | |
| Malin Head ... | | 30.08 | 42 | N | 4 | 0 | 30.21 | +27 | 42 | 38 | +3 | N | 2 | bc | 2 | bc | 46 | 37 | 0.15 | |
| Mullaghmore ... | | 30.13 | 39 | N | 2 | 0 | 30.29 | +29 | 39 | 37 | -9 | E | 2 | bc | * | bc | 52 | 37 | 0.20 | |
| Belmullet ... | | 30.07 | 41 | N | 3 | 0 | 30.21 | +28 | 41 | 37 | -3 | NNE | 4 | bc | 2 | bc | 49 | 39 | 0.04 | |
| Donaghadee ... | | 30.04 | 42 | N | 1 | 0 | 30.19 | +27 | 34 | 31 | -6 | NNE | 1 | bc | 1 | bc | 45 | 33 | — | |
| Holyhead ... | | 30.04 | 45 | NNE | 2 | 0 | 30.18 | +27 | 43 | 38 | -2 | NNE | 4 | bc | 3 | bc | 47 | 40 | 0.04 | |
| Parsonstown ... | | 30.10 | 37 | 2 | 0 | 0 | 30.30 | +29 | 37 | 26 | -5 | 2 | 0 | bc | * | bc | 50 | 25 | — | |
| Valencia ... | | 30.14 | 45 | NNE | 2 | c | 30.32 | +24 | 37 | 36 | -9 | ENE | 2 | bc | 2 | bc | 49 | 35 | 0.08 | |
| Roche's Point | | 30.07 | 45 | N | 3 | 0 | 30.28 | +25 | 37 | 36 | -4 | N | 3 | bc | 3 | bc | 50 | 34 | — | |
| Pembroke (St. Ann's Hd.) | | 30.01 | 43 | NW | 3 | bc | 30.18 | +24 | 40 | 38 | -6 | NE | 3 | bc | 2 | bc | 49 | 38 | 0.15 | |
| Scilly ... | | 30.00 | 46 | N | 4 | bc | 30.14 | +20 | 47 | 44 | -2 | NE | 4 | c | 3 | bc | 51 | 43 | 0.01 | |
| Prawle Point ... | | 29.99 | 41 | NW | 1 | c | 30.15 | +21 | 37 | 34 | -5 | NNE | 3 | bc | 2 | c | 53 | 33 | 0.01 | |
| Jersey (St. Aubin's) | | 29.94 | 47 | WNW | 3 | bc | 30.10 | +21 | 45 | 41 | -3 | NE | 4 | bc | 3 | bc | 52 | 42 | 0.23 | |
| Hurst Castle ... | | 29.97 | 44 | N | 3 | 0 | 30.14 | +24 | 33 | 32 | -6 | N | 2 | m | 1 | bc | 54 | 31 | — | |
| Dungeness ... | | 29.90 | 40 | WNW | 2 | bc | 30.05 | +19 | 37 | 32 | -9 | N | 3 | m | 2 | bc | 47 | 29 | — | |
| North Foreland | | 29.92 | 48 | N | 4 | c | 30.05 | +20 | 40 | 38 | -4 | N | 4 | bc | 4 | bc | 50 | 36 | 0.09 | |
| London ... | | 29.96 | 43 | N | 2 | bc | 30.11 | +21 | 34 | 31 | -6 | N | 2 | bc | * | bc | 48 | 31 | — | |
| Oxford ... | | 30.03 | 34 | NNE | 1 | 0 | 30.15 | +24 | 29 | 28 | -6 | NW | 1 | bc | * | bc | 49 | 29 | — | |
| Cambridge ... | | 29.99 | 36 | WNW | 2 | 0 | 30.11 | +21 | 31 | 29 | -5 | WNW | 2 | bc | * | bc | 49 | 28 | — | |
| Yarmouth ... | | 29.90 | 43 | WNW | 2 | 0 | 30.01 | +17 | 37 | 36 | 0 | WNW | 3 | bc | 3 | bc | 47 | 35 | 0.20 | |
| Cuxhaven ... | | 29.82 | 42 | W | 2 | c | 29.94 | +20 | 40 | 39 | -4 | W | 2 | m | * | c | 44 | 39 | — | |
| Berlin ... | | 29.87 | 44 | W | 2 | T | 29.92 | +13 | 42 | 42 | -4 | 2 | 0 | T | * | T | 50 | 42 | 0.16 | |
| Wiesbaden ... | | 29.89 | * | * | * | * | 29.89 | +28 | 42 | 40 | -7 | N | 2 | 0 | * | * | 50 | 41 | 0.12 | |
| Munich ... | | 29.87 | 37 | 2 | 0 | * | 29.89 | -07 | 38 | 37 | -1 | SW | 4 | bc | * | bc | 50 | 36 | — | |
| The Helder ... | | 29.93 | 45 | N | 2 | 0 | 30.01 | +19 | 42 | 40 | -6 | ENE | 1 | bc | 2 | bc | 48 | 41 | 0.20 | |
| Brussels (9 a.m.) | | 29.86 | 41 | E | 4 | T | 29.98 | +17 | 43 | 41 | -2 | NW | 1 | f | * | 0 | 48 | 32 | 0.04 | |
| Cape Gris Nez | | 29.88 | 43 | NNE | 2 | 0 | 30.01 | +18 | 35 | 35 | -13 | N | 2 | bc | * | 0 | 48 | 29 | 0.35 | |
| Paris ... | | 29.88 | 45 | NNE | 1 | bc | 30.01 | +18 | 41 | 39 | -8 | E | 2 | c | 2 | bc | 54 | 36 | 0.08 | |
| Brest ... | | 29.95 | 50 | N | 5 | bc | 30.03 | +18 | 42 | 40 | -6 | NNE | 5 | c | 3 | bc | 54 | 41 | 0.04 | |
| Lorient ... | | 29.95 | 50 | N | 5 | bc | 30.03 | +18 | 42 | 40 | -6 | NNE | 5 | c | 3 | bc | 54 | 41 | 0.04 | |
| Rochefort ... | | 29.87 | 46 | N | 5 | T | 29.96 | +09 | 42 | 41 | -13 | NNE | 5 | 0 | * | 0.7 | 61 | 29 | 0.20 | |
| Belfort ... | | 29.87 | 46 | SW | 1 | c | 29.96 | +09 | 42 | 43 | +6 | W | 5 | c | * | c | 61 | 42 | — | |
| Lyons ... | | 29.86 | 51 | N | 1 | bc | 29.87 | -12 | 45 | 45 | +7 | S | 1 | c | * | bc | 62 | 38 | — | |
| Nice ... | | 29.90 | 53 | 2 | 0 | 0 | 29.86 | -05 | 51 | 49 | -1 | E | 1 | bc | 2 | bc | 63 | 50 | 0.04 | |
| Perpignan ... | | 29.88 | 55 | SE | 2 | 0 | 29.84 | -11 | 53 | 51 | +1 | W | 2 | 0 | * | 0 | 62 | 48 | — | |
| Biarritz ... | | 29.84 | 61 | NW | 3 | bc | 29.86 | +01 | 49 | 48 | -2 | NE | 4 | T | 4 | bc | 60 | 46 | 0.04 | |
| Corunna ... | | 29.84 | * | * | * | * | 29.77 | -14 | 33 | 32 | -5 | NNE | 2 | bc | * | bc | 60 | 33 | — | |
| Lisbon ... | | 29.84 | 37 | N | 3 | bc | 29.77 | -14 | 33 | 32 | -5 | NNE | 2 | bc | * | bc | 60 | 33 | — | |

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, 31st October, 1893.

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:

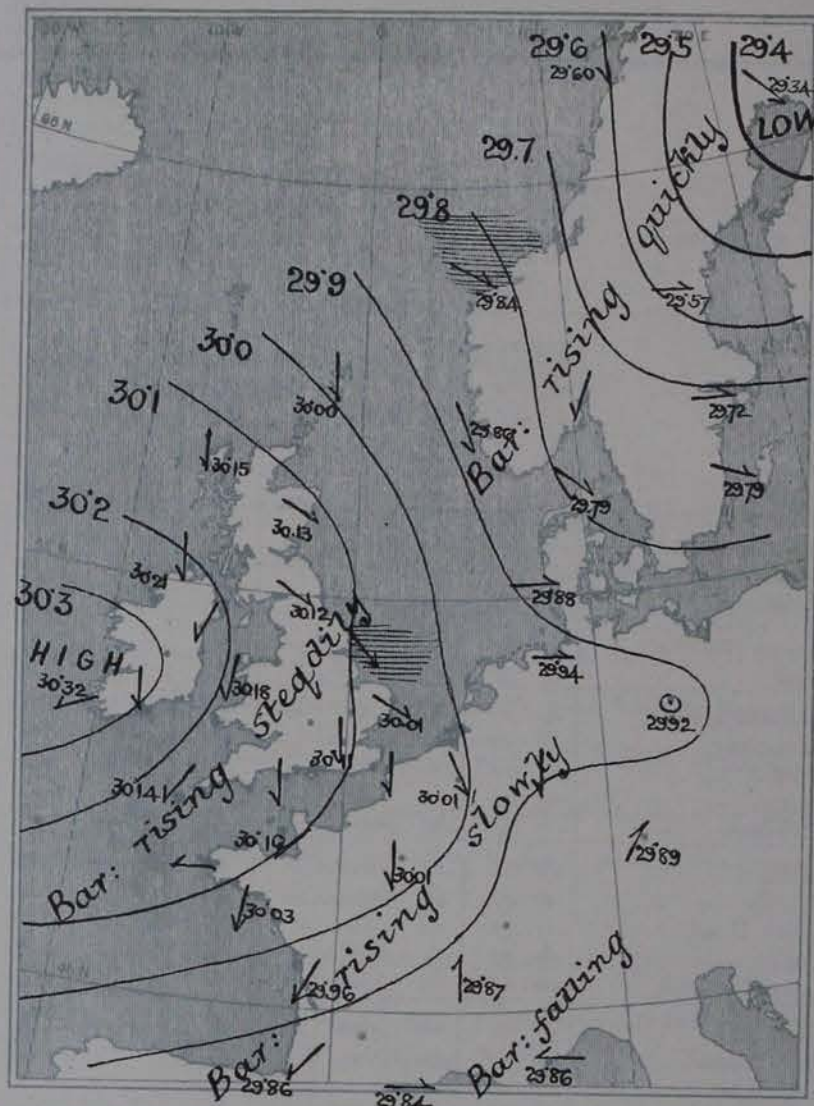
— = Rough. — = High.

MEAN HEIGHT OF THE BAROMETER

at 8 a.m. for the month of October.

During the 20 Years 1871—1890.

| STATIONS. | MEAN READINGS. |
|---------------|----------------|
| Sumburgh Head | 29.726 |
| Stornoway | 29.756 |
| Wick | 29.763 |
| Nairn | 29.779 |
| Aberdeen | 29.793 |
| Leith | 29.822 |
| Shields | 29.840 |
| Spurn Head | 29.867 |
| York | 29.882 |
| Loughborough | 29.904 |
| Ardrossan | 29.831 |
| Mullaghmore | 29.845 |
| Donaghadee | 29.850 |
| Holyhead | 29.872 |
| Liverpool | 29.879 |
| Parsonstown | 29.897 |
| Valencia | 29.896 |
| Roche's Point | 29.892 |
| Pembroke | 29.888 |
| Scilly | 29.910 |
| Prawle Point | 29.931 |
| Jersey | 29.925 |
| Hurst Castle | 29.922 |
| Dover | 29.916 |
| LONDON | 29.923 |
| Oxford | 29.924 |
| Cambridge | 29.912 |
| Yarmouth | 29.894 |



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.

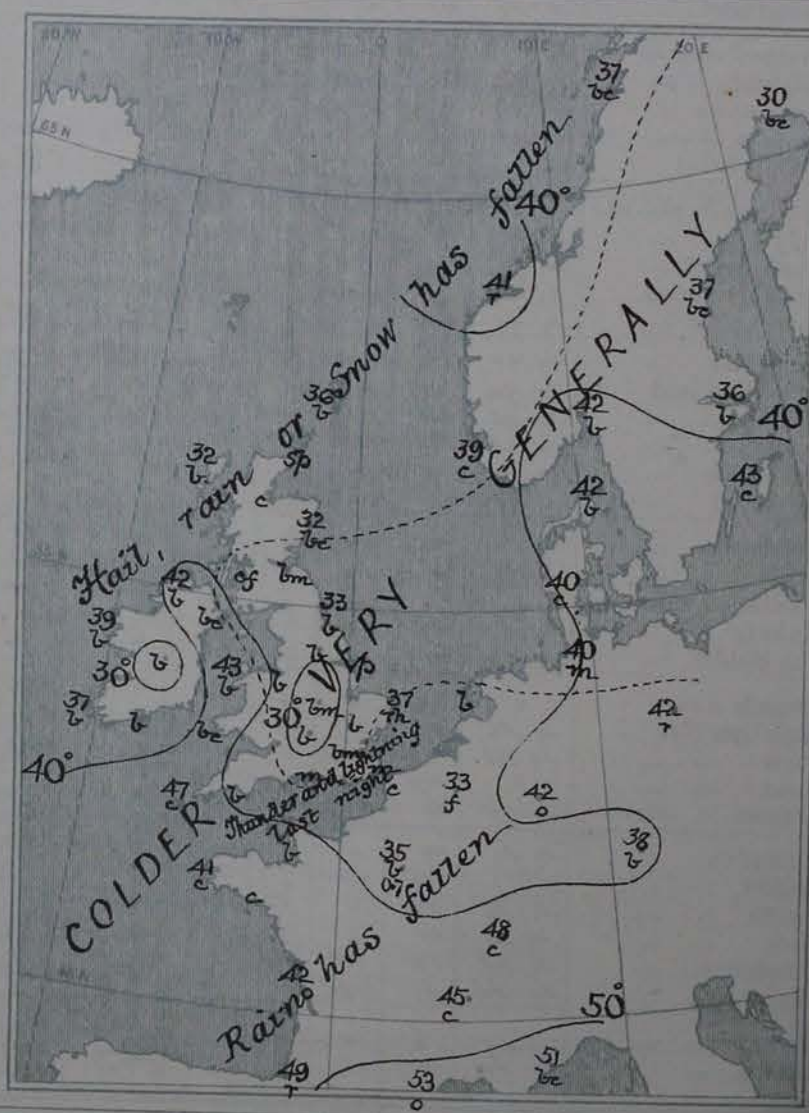
RAINFALL—A dotted line separates the districts in which rain has fallen from those where there has been none. Falls of 0.5 in. or more are quoted in figures.

MEANS OF TEMPERATURE IN SHADE, AND RAINFALL

(For the month of October.)

| STATIONS. | TEMPERATURE. | | | | RAINFALL. (Inches.) |
|---------------|---------------|---------------|-------------------|------|------------------------|
| | Daily Max. | Daily Min. | at 8 a.m. Dry. | Wet. | |
| Sumburgh Head | 49.8 | 41.6 | 46.0 | 44.3 | 4.27 |
| Stornoway | 51.0 | 40.5 | 45.6 | 44.5 | 5.04 |
| Wick | 51.7 | 40.5 | 46.3 | 44.6 | 3.02 |
| Nairn | 51.9 | 40.8 | 44.8 | 42.0 | 2.38 |
| Aberdeen | 52.5 | 41.4 | 45.6 | 43.6 | 2.87 |
| Leith | 54.7 | 41.8 | 46.7 | 44.9 | 1.97 |
| Shields | 53.2 | 42.7 | 47.2 | 45.4 | 2.48 |
| Spurn Head | 53.3 | 45.7 | 48.8 | 47.3 | 2.27 |
| York | 54.5 | 41.4 | 45.9 | 44.5 | 2.60 |
| Loughborough | 55.7 | 41.1 | 45.9 | 44.6 | 2.80 |
| Ardrossan | 53.7 | 43.7 | 47.8 | 45.8 | 3.87 |
| Mullaghmore | 54.2 | 45.7 | 49.1 | 46.9 | 4.75 |
| Donaghadee | 53.6 | 43.6 | 47.8 | 46.6 | 3.14 |
| Holyhead | 54.7 | 47.3 | 50.3 | 48.3 | 4.31 |
| Liverpool | 53.8 | 44.7 | 47.8 | 45.8 | 3.46 |
| Parsonstown | 54.8 | 41.0 | 46.2 | 44.5 | 3.16 |
| Valencia | 56.6 | 46.8 | 51.4 | 49.2 | 5.88 |
| Roche's Point | 56.0 | 46.1 | 50.2 | 48.3 | 4.09 |
| Pembroke | 54.0 | 48.0 | 51.2 | 49.2 | 3.96 |
| Scilly | 56.6 | 50.2 | 53.7 | 51.6 | 3.70 |
| Prawle Point | 56.7 | 46.2 | 51.2 | 49.6 | 3.60 |
| Jersey | 58.2 | 48.6 | 53.3 | 50.7 | 4.45 |
| Hurst Castle | 57.1 | 45.8 | 50.8 | 49.2 | 3.26 |
| Dover | 56.1 | 46.2 | 50.2 | 48.2 | 3.22 |
| LONDON | 56.7 | 42.7 | 49.5 | 45.9 | 2.57 |
| Oxford | 55.5 | 42.2 | 46.2 | 44.0 | 2.56 |
| Cambridge | 56.5 | 41.0 | 46.4 | 45.3 | 2.27 |
| Yarmouth | 54.3 | 44.6 | 49.0 | 47.6 | 2.92 |

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, 30.3 in.: and more to 30.0 in.: in the eastern portion of an anticyclone spreading in from the Atlantic over the whole of our islands, the Channel and the north of France.
Lowest, 29.4 in.: and less, at the northern extremity of the Gulf of Bothnia, and below 29.2 in.: over Spain and the southern part of France and Germany.

Gradients moderate to slight.

Barometer apparently still rising steadily in our islands, rapidly over the northern half of Scandinavia.

TEMPERATURE

Highest, 51° to 53° in the south of France, 53° at Lisbon, 47° at Dublin.

Lowest, (1) 30° at Haparanda, 36° at Stockholm; (2) 27° at Pannotskron, 28° at Loughborough, 29° at Oxford, 30° at York; (3) 35° at Paris.

The minima recorded in the shade over our inland countries early this morning were as low as 25° to 30°; on the coast the frost was very sharp.

WIND

Moderate from WNW. at our northern stations, from NW. in the east, from N. in the south; NE. in the southwest.

On the Norwegian coast it is NW., on the Swedish coast W. It is gusty at several of the more eastern stations.

WEATHER

Fine in most places, but slight showers of snow, hail or cold rain are still reported at some of our northern and east coast stations, and at Harwich.

Lightning was seen last night at most of our southern stations, and thunderstorms occurred over the English Channel. A considerable fall of rain (0.7 in.) is reported from Paris.

SEA

Still rough at Christiansund and Spinn Ht., moderate at Aberdeen, the North Foreland, and Offa Key, smooth or nearly so elsewhere.

PROBABLE CHANGES IN SYSTEM NOW PREVALENT

No important change is indicated at present.

FORECASTS

For the 24 hours ending at NOON on 1st November, 1893.

DISTRICTS.

FORECASTS.

- | | | |
|---|------------------|--|
| 0 | SCOTLAND NORTH | NW. to W. winds; slight snow showers. |
| 1 | SCOTLAND EAST | |
| 2 | ENGLAND N.E. | NW. and N. winds; cold, passing showers of sleet or hail on coast. |
| 3 | ENGLAND EAST | |
| 4 | MIDLAND COUNTIES | N. breezes, moderate; fine, cold. |
| 5 | ENGLAND SOUTH | |

DISTRICTS.

FORECASTS.

- | | | |
|----|---------------|--|
| 6 | SCOTLAND WEST | N. breezes, light or moderate; fair, cold. |
| 7 | ENGLAND N.W. | |
| 8 | ENGLAND S.W. | NE. breezes, moderate; fine, cold. |
| 9 | IRELAND NORTH | N. breezes, moderate; fine, cold. |
| 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. Direc. | F. | WEA. | SEA. | | BAR. | THER. | | WIND. Direc. | F. | WEA. | SEA. |
|-------------------|-------|-------|------|-----------------|----|------|------|----------------------------|-------|-------|------|-----------------|----|-------|------|
| | | Dry. | Wet. | | | | | | | Dry. | Wet. | | | | |
| Skudesnaes ... | 29.60 | 44 | 41 | NW | 8 | c | 4 | Valencia ... | 30.10 | 47 | 45 | NNW | 4 | cgtf | 5 |
| Sumburgh Head ... | 29.74 | 39 | 36 | NNW | 4 | csp | 4 | Scilly ... | 29.99 | 50 | 44 | NNW | 4 | bc | 3 |
| Stornoway ... | 29.98 | 41 | 39 | N | 6 | s | 5 | Jersey ... | 29.92 | 50 | 45 | NNW | 3 | bc | 3 |
| Aberdeen ... | 29.90 | 40 | 37 | NNW | 5 | bpf | 4 | Hurst Castle ... | 29.91 | 52 | 46 | N | 3 | bc | 2 |
| Shields ... | 29.92 | 45 | 39 | NW | 3 | bc | 2 | Dungeness ... | 29.87 | 47 | 42 | NNE | 2 | bc | 2 |
| Ardrossan ... | 29.96 | 46 | 42 | NW | 2 | s | 1 | North Foreland ... | 29.88 | 47 | 42 | NNW | 2 | bc | 3 |
| Malin Head ... | 30.01 | 41 | 40 | N | 4 | okp | 2 | London (Westerminster) ... | 29.90 | 48 | 42 | NNW | 3 | bc | * |
| Mullaghmore ... | | | | | | | | Yarmouth ... | 29.87 | 46 | 44 | NNW | 3 | bcpht | 4 |
| Belmullet ... | 30.07 | 46 | 44 | NNW | 2 | bcp | * | Rocheport ... | 29.83 | 56 | 55 | SW | 3 | o | * |
| Holyhead ... | 29.98 | 46 | 42 | NE | 3 | s | 2 | | | | | | | | |

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 in the north of Scotland and the south of Ireland, with snow in the former locality, fine over southern and southeastern Europe, as well as in Sweden; cloudy or overcast in most other parts of the Continent, with rain in Belgium and the north of France. Showers falling during day at several of our western, southern and extreme northern stations; thunder and lightning observed in evening or night over the south of England.

Temperature fallen generally, morning readings highest 68° at Algiers, 65° at Malta, 64° at Barcelona and 62° at Chania; above 50° in most parts of southern Europe, but very little above 40° over central Spain and northern Italy. Lowest (1) 30° at York, 32° at Loughborough and Parnassus, and 34° at Lint; (2) 27° at Hermanstad, 30° at Alankov, and 32° at Vienna, and Nicolaiiff; (3) 33° at Hermon. Daily maxima over our Islands below 50° at all but the southwestern stations, and below 46° in the north of Scotland. Thermometer exceeding 60° in the west and south of France. Sharp frost occurring over the United Kingdom at night.

Wind light to moderate from the N^W or NW^W over our Islands; strong from NW. or W. over Denmark and the southern parts of Scandinavia; light to fresh from the SW^W over Germany and the greater part of Russia. Light from the N^W in Italy and from the NE^W in Spain, but S^W in the west of France, and variable in the south of that country. Subsequently, veering more to the N^W in our Islands, and shifting to the same quarter in the west and north of France.

Barometer highest 30.2 ins: and upwards in an anticyclone over the south of Russia; 30.0 ins: and upwards in another system spreading over the south of Ireland from the Atlantic. Lowest, 28.8 ins: and less, in a depression over Lapland; pressures rather steep over Northern Europe generally. Western anticyclone subsequently spreading northwards, and barometer rising in all parts of our Islands.

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

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

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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 (0 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 Yesterday Morn. | Dry Bulb. | Wet Bulb. | Change in dry since Yesterday. | Dircc. | Force (0 to 12). | | | | Max. | Min. | | |
| 1 | Corunna | * | * | * | * | * | 29.78 | - | 61 | 57 | - | SW | 4 | 0 | 5 | * | 66 | 52 | 0.20 | |
| 2 | Corunna | * | * | * | * | * | 30.09 | +31 | 72 | - | +13 | N | 6 | 0 | ? | * | ? | ? | ? | |
| 3 | Wisby | 29.75 | 51 | S | 8 | c | 29.83 | +25 | 58 | 49 | -4 | SSE | 4 | m | * | c | 59 | 50 | - | |
| 5 | Belfort | ? | 56 | SW | 2 | 0 | ? | ? | 57 | - | - | SSW | 3 | 7 | * | 0 | 60 | 48 | 1.34 | |
| | Corunna | * | * | * | * | * | 29.54 | - | 67 | 62 | - | SSW | 4 | 0 | 6 | * | 67 | 59 | 0.35 | |
| 6 | Corunna | * | * | * | * | * | 29.70 | +16 | 61 | 56 | -6 | SSW | 5 | 0 | 4 | * | 68 | 52 | 0.08 | |
| 10 | Corunna | * | * | * | * | * | 30.07 | - | 59 | 54 | - | SSW | 3 | 0 | 3 | * | 61 | 50 | - | |
| | Lisbon | 30.23 | 58 | NNE | 4 | b | 30.22 | +12 | 59 | 53 | -6 | NNE | 4 | 6 | * | b | 66 | 50 | - | |
| 11 | Corunna | * | * | * | * | * | 30.00 | -07 | 61 | ? | +2 | SSE | 8 | 6 | 2 | * | 63 | 55 | - | |
| 12 | Corunna | * | * | * | * | * | 30.11 | +11 | 65 | 62 | +4 | S | 3 | 0 | 2 | * | 70 | 57 | - | |
| 13 | Corunna | * | * | * | * | * | 30.25 | +14 | 61 | 59 | -4 | SW | 3 | 0 | 2 | * | 65 | 55 | 0.04 | |
| 14 | Belfort | ? | 51 | E | 1 | b | ? | ? | 46 | 46 | -2 | N | 2 | m | * | b | 62 | 44 | 0.04 | |
| | Corunna | * | * | * | * | * | 30.21 | -04 | 61 | 57 | 0 | SSW | 2 | 6 | 2 | * | 63 | 50 | - | |
| 16 | Corunna | * | * | * | * | * | 30.15 | - | 61 | 57 | - | SSW | 3 | 6 | 2 | * | 66 | 48 | - | |
| 17 | Corunna | * | * | * | * | * | 30.12 | -03 | 73 | 60 | +12 | SSW | 3 | 6 | 2 | * | 73 | 61 | - | |
| 18 | The Helder | 29.99 | 55 | NNW | 5 | b | 30.12 | +13 | 52 | - | -4 | NNE | 1 | 0 | 1 | b | 57 | 52 | - | |
| | Corunna | * | * | * | * | * | 30.15 | +03 | 68 | 60 | -5 | SSW | 3 | 6 | 2 | * | 86 | 59 | - | |
| 19 | Corunna | * | * | * | * | * | 30.20 | +05 | 63 | 57 | -5 | S | 3 | 6 | 2 | * | 72 | 52 | - | |
| 20 | Corunna | * | * | * | * | * | 30.15 | -05 | 60 | 59 | -3 | WSW | 3 | 6 | 2 | * | 70 | 50 | - | |
| 21 | Corunna | * | * | * | * | * | 30.14 | -01 | 63 | 53 | +3 | ESE | 3 | 6 | 2 | * | 72 | 50 | - | |
| 23 | Corunna | * | * | * | * | * | 30.28 | - | 57 | 53 | - | ENE | 3 | 6 | 3 | * | 66 | 48 | - | |
| 24 | Corunna | * | * | * | * | * | 30.26 | -02 | 59 | 54 | +2 | NE | 3 | 6 | 4 | * | 64 | 46 | - | |
| 25 | Haparanda | 29.66 | 38 | N | 0 | c | 29.69 | +09 | 32 | - | -2 | N | 0 | 0 | * | c | 37 | 32 | 0.04 | |
| | Corunna | * | * | * | * | * | 30.15 | -11 | 59 | 52 | 0 | SE | 4 | 6 | 4 | * | 66 | 46 | - | |
| 26 | Corunna | * | * | * | * | * | 30.24 | +09 | 57 | 55 | -2 | ENE | 4 | 0 | 4 | * | 66 | 48 | - | |
| 27 | Corunna | * | * | * | * | * | 30.23 | -01 | 57 | - | 0 | N | 4 | 0 | 5 | * | 63 | 50 | - | |
| 28 | Spurn Head | 29.90 | 49 | WSW | 4 | 0 | 29.74 | -08 | 52 | 50 | +8 | SW | 5 | 0 | 5 | 0 | 52 | 43 | - | |
| | Corunna | * | * | * | * | * | 30.23 | -00 | 57 | 55 | 0 | N | 4 | 0 | 6 | * | 61 | 50 | - | |
| 30 | Corunna | * | * | * | * | * | 29.87 | - | 58 | 55 | - | SSW | 3 | 0 | 4 | * | 59 | 52 | - | |
| 31 | Corunna | * | * | * | * | * | 29.94 | +07 | 56 | - | -2 | NNE | 5 | 0 | 7 | * | 61 | 48 | ? | |

2. CORRECTIONS.

[illegible]