

# RAINFALL AT Cheltenham Northfield

70

Lat.

Lon.

County of

Gloucester

Rain Gauge, by

Observer

W. M. Sandborough, h. l.

Seven, L. - 3.

|               |      |      |      |      |      |      |      |      |       |       |        |  |
|---------------|------|------|------|------|------|------|------|------|-------|-------|--------|--|
| Diameter....  |      |      |      |      |      |      |      |      |       |       |        |  |
| Height ....   |      |      |      |      |      |      |      |      |       |       |        |  |
| Altitude .... |      |      |      |      |      |      |      |      |       |       |        |  |
| Year ....     | 1870 | 1871 | 1872 | 1873 | 1874 | 1875 | 1876 | 1877 | 1878  | 1879  | MEANS. |  |
| January ....  |      |      |      |      |      |      |      |      | 1.69  | 2.66  |        |  |
| February. ..  |      |      |      |      |      |      |      |      | 1.36  | 2.86  |        |  |
| March.....    |      |      |      |      |      |      |      |      | .84   | 1.14  |        |  |
| April .....   |      |      |      |      |      |      |      |      | 3.99  | 2.69  |        |  |
| May .....     |      |      |      |      |      |      |      |      | 5.76  | 3.16  |        |  |
| June .....    |      |      |      |      |      |      |      |      | 2.95  | 3.97  |        |  |
| July.....     |      |      |      |      |      |      |      |      | 2.41  | 3.41  |        |  |
| August ....   |      |      |      |      |      |      |      |      | 6.26  | 6.20  |        |  |
| September ..  |      |      |      |      |      |      |      |      | 2.50  | 2.78  |        |  |
| October ....  |      |      |      |      |      |      |      |      | 2.70  | 1.51  |        |  |
| November ..   |      |      |      |      |      |      |      |      | 3.37  | 1.10  |        |  |
| December ..   |      |      |      |      |      |      |      |      | 1.76  | .39   |        |  |
| TOTALS ..     |      |      |      |      |      |      |      |      | 35.59 | 31.87 |        |  |

# RAINFALL AT Cheltenham, Northfield

80

Lat. \_\_\_\_\_

Lon. \_\_\_\_\_

County of \_\_\_\_\_

Gloucester

Rain Gauge, by \_\_\_\_\_

Observer \_\_\_\_\_

N. M. Landwehr, Esq.

Severn, L-3.

|                |       |       |       |       |       |       |       |       |       |       |        |
|----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| Diameter ....  |       | 8     |       |       |       |       |       |       |       |       |        |
| Height .....   |       | 2.    |       |       |       |       |       |       |       |       |        |
| Altitude ....  |       | 520   |       |       |       |       |       |       |       |       |        |
| Year .....     | 1880  | 1881  | 1882  | 1883  | 1884  | 1885  | 1886  | 1887  | 1888  | 1889  | MEANS. |
| January ....   | 1.15  | .67   | 2.47  | 3.35  | 2.81  | 2.41  | 3.87  | 2.44  | .68   | .87   | 2.042  |
| February ....  | 4.53  | 2.37  | 2.10  | 4.70  | 2.14  | 3.95  | .76   | 1.01  | 1.32  | 1.35  | 2.423  |
| March .....    | .73   | 2.58  | 1.78  | 1.56  | 2.14  | 1.08  | 2.47  | 1.25  | 3.68  | 3.88  | 2.115  |
| April .....    | 2.57  | .69   | 4.26  | 1.11  | 1.58  | 2.33  | 2.50  | 1.96  | 2.14  | 3.81  | 2.289  |
| May .....      | 1.01  | .93   | 2.23  | 1.73  | 1.07  | 2.54  | 4.11  | 1.75  | 1.83  | 3.52  | 2.072  |
| June .....     | 2.70  | 2.59  | 3.68  | 4.96  | 3.77  | 1.70  | 1.01  | 1.83  | 2.65  | 1.09  | 2.618  |
| July .....     | 4.90  | 1.91  | 3.95  | 3.96  | 3.32  | .14   | 3.28  | 1.25  | 5.12  | 2.62  | 3.045  |
| August .....   | .80   | 4.31  | 2.78  | .86   | .77   | 2.18  | 1.44  | 2.11  | 2.04  | 2.11  | 1.940  |
| September .... | 5.64  | 1.82  | 4.02  | 3.87  | 2.10  | 3.23  | 3.02  | 2.68  | 1.12  | 2.27  | 2.977  |
| October .....  | 4.73  | 2.26  | 5.06  | 2.70  | 1.06  | 3.36  | 4.91  | 2.64  | .56   | 2.91  | 3.119  |
| November ....  | 2.50  | 3.30  | 3.97  | 2.74  | 1.65  | 4.04  | 2.81  | 3.77  | 6.54  | 1.78  | 3.340  |
| December ....  | 2.74  | 3.29  | 2.71  | 1.15  | 2.71  | 1.20  | 3.88  | 2.04  | 3.92  | 1.69  | 2.533  |
| TOTALS ....    | 34.24 | 26.72 | 28.99 | 32.69 | 25.12 | 28.16 | 34.06 | 24.73 | 31.60 | 27.90 | 30.513 |

# RAINFALL AT

Cheltenham Northfield

Lat. \_\_\_\_\_

Lon. \_\_\_\_\_

County of

Gloucester

Rain Gauge, by \_\_\_\_\_

Observer

J. Hall Esq. C.E.

Seven L-3.

|               |       |       |       |       |       |       |       |       |       |       |        |  |
|---------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--|
| Diameter .... | 8     |       |       |       |       |       |       |       |       |       |        |  |
| Height .....  | 20    | 2.5   |       | 50    |       |       |       |       |       |       |        |  |
| Altitude .... | 520   | 637   |       |       |       |       |       |       |       |       |        |  |
| Year .....    | 1890  | 1891  | 1892  | 1893  | 1894  | 1895  | 1896  | 1897  | 1898  | 1899  | MEANS. |  |
| January ....  | 3.30  | 2.03  | 1.08  | 1.54  | 1.42  | 2.73  | .83   | 1.81  | .60   | 2.73  | 1.807  |  |
| February .... | .84   | .66   | 1.31  | 2.30  | 1.92  | .14   | .50   | 2.64  | 1.46  | 2.73  | 1.450  |  |
| March .....   | 1.20  | 1.41  | .65   | .14   | 1.02  | 2.33  | 2.58  | 3.16  | .63   | .48   | 1.360  |  |
| April .....   | 1.00  | .89   | .70   | .05   | 2.52  | 2.10  | .77   | 1.05  | 1.92  | 1.85  | 1.285  |  |
| May .....     | 1.98  | 3.76  | .59   | 1.19  | 2.01  | .52   | .41   | 1.12  | 4.05  | 1.27  | 1.690  |  |
| June .....    | 2.02  | 1.49  | 1.67  | 1.04  | 1.95  | .93   | 1.73  | 2.54  | 1.03  | 1.40  | 1.580  |  |
| July .....    | 3.76  | 3.96  | 2.48  | 2.57  | 2.18  | 2.74  | 1.02  | 2.12  | 1.05  | .84   | 2.272  |  |
| August .....  | 3.01  | 5.27  | 2.59  | 1.72  | 2.54  | 2.44  | 2.25  | 4.16  | 2.76  | 3.09  | 2.983  |  |
| September.... | 1.73  | 2.02  | 2.58  | .97   | 3.52  | .88   | 4.39  | 2.18  | .60   | 2.26  | 2.113  |  |
| October ..... | 1.44  | 6.34  | 1.80  | 1.58  | 2.65  | 3.80  | 2.96  | 1.15  | 3.16  | 2.02  | 2.690  |  |
| November....  | 2.57  | 2.01  | 1.56  | 1.99  | 3.52  | 5.88  | 1.03  | 1.34  | 2.01  | 2.10  | 2.401  |  |
| December .... | .50   | 3.85  | .70   | 2.06  | 1.99  | 1.68  | 3.01  | 2.39  | 2.17  | 1.70  | 2.005  |  |
| TOTALS ....   | 23.35 | 33.69 | 17.71 | 17.15 | 27.24 | 26.17 | 21.48 | 25.66 | 21.44 | 22.47 | 23.636 |  |

1886

# RAINFALL AT *Cheltenham Northfield*

Lat. ....

Lon. ....

County of *Gloucester*

Rain Gauge, by .....

Observer *J. Hall Esq. Ch.*

*Season, L-3.*

*H. J. White Esq. C.E. J. Pickering Esq.*

|             |        |       |       |       |      |       |       |       |       |       |       |     |
|-------------|--------|-------|-------|-------|------|-------|-------|-------|-------|-------|-------|-----|
| Diameter .. | 8      | 5     |       |       | 8    |       |       |       |       |       |       |     |
| Height .... | 50     |       |       |       |      |       |       |       |       |       |       |     |
| Altitude .. | 637 ft |       |       |       |      |       |       |       |       |       |       |     |
| Year ....   | 1900   | 1901  | 1902  | 1903  | 1904 | 1905  | 1906  | 1907  | 1908  | 1909  | MEANS |     |
| January ..  | 2.74   | .92   | .65   | 2.77  | 2.69 | .77   | 3.91  | .94   | 1.26  | .62   | 1.7   | 2.7 |
| February .. | 5.16   | 1.00  | .75   | .95   | 3.49 | .91   | 1.17  | 1.03  | .75   | .51   | 1.57  | 2.3 |
| March ....  | .83    | 1.99  | 1.34  | 3.00  | 1.46 | 3.43  | 1.19  | .60   | 2.36  | 2.40  | 1.86  | 0   |
| April ..... | .73    | 2.58  | 2.06  | 2.78  | 1.18 | 2.42  | .86   | 3.07  | 2.01  | 1.64  | 1.93  | 3   |
| May .....   | 1.87   | 1.24  | 1.73  | 4.16  | 2.69 | .39   | 2.01  | 2.98  | 1.31  | .82   | 1.9   | 2.0 |
| June .....  | 1.49   | 2.10  | 3.31  | 4.38  | 1.00 | 4.50  | 2.95  | 2.27  | 1.02  | 3.30  | 2.63  | 2   |
| July .....  | 1.70   | 3.32  | 1.03  | 4.50  | 2.53 | 1.15  | 1.62  | 4.85  | 1.93  | 2.25  | 2.4   | 9.1 |
| August .... | 2.66   | 1.72  | 2.73  | 2.74  | 1.91 | 4.28  | 1.00  | 2.47  | 3.11  | 1.99  | 2.4   | 6.1 |
| September.. | .32    | 1.25  | 1.81  | 2.18  | 2.39 | 1.20  | .44   | .50   | 1.12  | 3.13  | 1.4   | 3.4 |
| October.... | 2.65   | 1.09  | 2.38  | 5.51  | .61  | 1.49  | 4.18  | 7.30  | 1.30  | 3.14  | 2.9   | 6.5 |
| November..  | 1.66   | 1.32  | 1.72  | 1.57  | 1.44 | 2.92  | 4.03  | 1.76  | 1.02  | .98   | 1.8   | 4.2 |
| December..  | 5.12   | 3.54  | 1.56  | 1.17  | 1.63 | .63   | 1.86  | 3.98  | 1.44  | 2.96  | 2.3   | 8.9 |
| TOTALS ..   | 26.93  | 22.07 | 21.07 | 35.71 | 23.0 | 24.09 | 25.22 | 31.75 | 18.63 | 23.77 | 25.22 | 44  |

1900 December 30<sup>th</sup> Gauge overflowed

1902 St Mary's Charlton Kings Ch 8500 ft S

Wad of House 20 ft high 45 ft E

1903 Charlton Kings Station 28 miles S.W.

1905 All Saints Church Cheltenham 1 1/2 miles W

1906 Reservoir Wall 3 ft high 10 yards -

1908 ? 5 in. short. Mr Pickering failed to reply to enquiry

RAINFALL at Cheltenham NorthfieldCounty of GloucestershireObserver J. L. Pickering Esq. C.E.River Basin Severn - left Bank Tributaries 3

Rain Gauge, by \_\_\_\_\_

|              |        |      |      |      |      |      |      |      |      |      |        |
|--------------|--------|------|------|------|------|------|------|------|------|------|--------|
| Diameter ... | 8      |      |      |      |      |      |      |      |      |      |        |
| Height ..... | 5 0    |      |      |      |      |      |      |      |      |      |        |
| Altitude ... | 637 ft |      |      |      |      |      |      |      |      |      |        |
| Year ...     | 1910   | 1911 | 1912 | 1913 | 1914 | 1915 | 1916 | 1917 | 1918 | 1919 | MEANS. |
| January ...  | 2.54   |      |      |      |      |      |      |      |      |      |        |
| February ... | 2.77   |      |      |      |      |      |      |      |      |      |        |
| March .....  | .78    |      |      |      |      |      |      |      |      |      |        |
| April .....  | 2.50   |      |      |      |      |      |      |      |      |      |        |
| May .....    | 1.11   |      |      |      |      |      |      |      |      |      |        |
| June .....   | 2.48   |      |      |      |      |      |      |      |      |      |        |
| July .....   | 2.21   |      |      |      |      |      |      |      |      |      |        |
| August ..... | 4.05   |      |      |      |      |      |      |      |      |      |        |
| September .. | .76    |      |      |      |      |      |      |      |      |      |        |
| October ...  | 2.94   |      |      |      |      |      |      |      |      |      |        |
| November ... | 3.56   |      |      |      |      |      |      |      |      |      |        |
| December ... | 3.90   |      |      |      |      |      |      |      |      |      |        |
| TOTALS ...   | 29.70  |      |      |      |      |      |      |      |      |      |        |

1910 R.R. Wall 3 ft high 10 yds

| Date. | Lat. N. | Long. | Railway Station.   | Distance. | Direction. | Church.    | Distance.   | Direction. |
|-------|---------|-------|--------------------|-----------|------------|------------|-------------|------------|
| 1910  |         |       | Charlton Kings Jct | 2 miles   | SW         | All Saints | 1 1/2 miles | W          |