

## RAINFALL AT

Birmingham W H Tynant

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

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

County of

Radnor

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

Observer

E Antony Lees Esq

Aug - 10

|              |      |      |      |      |      |      |      |      |       |       |        |
|--------------|------|------|------|------|------|------|------|------|-------|-------|--------|
| Diameter ... |      |      |      |      |      |      |      |      | 5     |       |        |
| Height ..... |      |      |      |      |      |      |      |      | 10    |       |        |
| Altitude ... |      |      |      |      |      |      |      |      | 1250  |       |        |
| Year ...     | 1900 | 1901 | 1902 | 1903 | 1904 | 1905 | 1906 | 1907 | 1908  | 1909  | MEANS. |
| January ...  |      |      |      |      |      |      |      |      | 4.75  | 5.65  |        |
| February ... |      |      |      |      |      |      |      |      | 4.25  | 1.50  |        |
| March .....  |      |      |      |      |      |      |      |      | 6.20  | 5.40  |        |
| April .....  |      |      |      |      |      |      |      |      | 3.55  | 6.90  |        |
| May .....    |      |      |      |      |      |      |      |      | 3.80  | 2.60  |        |
| June .....   |      |      |      |      |      |      |      |      | 2.10  | 2.80  |        |
| July .....   |      |      |      |      |      |      |      |      | 6.60  | 6.40  |        |
| August ..... |      |      |      |      |      |      |      |      | 7.30  | 2.90  |        |
| September .. |      |      |      |      |      |      |      |      | 4.90  | 4.70  |        |
| October ...  |      |      |      |      |      |      |      |      | 3.10  | 10.13 |        |
| November ..  |      |      |      |      |      |      |      |      | 6.10  | 2.05  |        |
| December ... |      |      |      |      |      |      |      |      | 6.90  | 9.55  |        |
| TOTALS ...   |      |      |      |      |      |      |      |      | 59.55 | 59.58 |        |

# RAINFALL at Pimingham W. F. Tenant

County of RadnorObserver E. Antony LewisRiver Basin Wye 1

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

|              |       |       |       |       |       |       |       |       |       |       |                            |
|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------------------------|
| Diameter ... | 5     |       |       |       |       |       |       |       |       |       |                            |
| Height ..... | 1 0   |       |       |       |       |       |       |       |       |       |                            |
| Altitude ... | 1250  |       |       |       |       |       |       |       |       |       |                            |
| Year ...     | 1910  | 1911  | 1912  | 1913  | 1914  | 1915  | 1916  | 1917  | 1918  | 1919  | 1916-19<br>MEANS<br>Totals |
| January ...  | 8.20  | 2.44  | 6.54  | 10.34 | 5.94  | 8.81  | 5.23  | 2.87  | 6.74  | 7.18  | 22.02                      |
| February ... | 9.90  | 4.87  | 3.98  | 3.35  | 8.95  | 10.73 | 10.13 | 1.07  | 6.43  | 3.63  | 21.26                      |
| March .....  | 2.37  | 3.99  | 10.91 | 9.98  | 11.35 | 2.18  | 4.08  | 3.85  | 3.96  | 7.73  | 19.62                      |
| April .....  | 5.85  | 3.42  | .89   | 9.15  | 2.58  | 3.22  | 6.36  | 3.36  | 1.65  | 4.36  | 15.73                      |
| May .....    | 3.75  | 2.05  | 2.27  | 3.42  | 4.28  | 4.08  | 4.49  | 2.54  | 2.70  | 1.02  | 12.05                      |
| June .....   | 7.54  | 5.09  | 6.15  | 4.55  | 1.92  | 1.90  | 3.34  | 3.10  | 2.41  | 4.35  | 13.20                      |
| July .....   | 6.03  | 1.28  | 4.15  | 1.63  | 5.77  | 6.02  | 2.73  | 2.25  | 5.00  | 1.58  | 11.96                      |
| August ..... | 7.13  | 4.85  | 12.52 | 2.64  | 4.45  | 5.27  | 4.52  | 12.47 | 2.75  | 4.25  | 23.99                      |
| September .. | .60   | 4.60  | 1.42  | 3.35  | 4.35  | 1.07  | 4.14  | 3.19  | 12.54 | 2.13  | 22.70                      |
| October ...  | 6.36  | 5.61  | 7.77  | 5.84  | 3.21  | 3.24  | 11.30 | 10.16 | 5.57  | 2.91  | 29.94                      |
| November ..  | 9.99  | 8.48  | 6.72  | 9.67  | 10.02 | 5.60  | 5.90  | 6.95  | 5.77  | 5.29  | 23.91                      |
| December ... | 14.82 | 15.02 | 9.40  | 4.97  | 14.92 | 14.72 | 4.47  | 2.37  | 12.99 | 15.26 | 35.09                      |
| TOTALS ...   | 82.54 | 61.70 | 72.75 | 68.92 | 77.77 | 66.84 | 66.99 | 55.28 | 68.51 | 60.69 | 25.47                      |

vjs

Date. Lat. N. Long. Railway Station. Distance. Direction. Church. Distance. Direction.

RAINFALL at *Birmingham W.W. (Gyran)*

County of Radnor

Observer F. W. Macaulay, Eng. & Co.

River Basin Wye - 1

J. W. Wilkinson C E

Copper insulated

Inside Rain Gauge, by

I find to have designed small  
book in pencil.

$$\left. \begin{array}{r} 500 \\ 500 \\ 498 \\ 498 \end{array} \right\} 72$$

|               |       |       |       |       |       |       |       |       |       |       |               |                   |  |
|---------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---------------|-------------------|--|
| Diameter ...  | 5     |       |       |       |       |       |       |       |       |       |               |                   |  |
| Height .....  | 1.0   |       |       |       |       |       |       |       |       |       |               |                   |  |
| Altitude ...  | 1250  | 1020  |       |       |       |       |       |       |       |       |               |                   |  |
| Year .....    | 1920  | 1921  | 1922  | 1923  | 1924  | 1925  | 1926  | 1927  | 1928  | 1929  | 1930<br>MEANS | 1920-30<br>Totals |  |
| January ...   | 8.10  | 6.94  | 10.30 | 9.32  | 6.60  | 7.92  | 9.76  | 10.42 | 14.78 | 2.68  | 10.96         | 97.78             |  |
| February ...  | 2.84  | .23   | 8.77  | 14.72 | 1.20  | 14.19 | 5.02  | 6.16  | 8.71  | 1.82  | .86           | 66.12             |  |
| March .....   | 6.81  | 4.56  | 5.93  | 2.63  | 2.42  | 2.93  | 3.66  | 7.88  | 5.24  | .63   | 4.14          | 46.83             |  |
| April .....   | 5.80  | 1.83  | 5.03  | 4.25  | 5.23  | 6.08  | 3.14  | 4.43  | 2.70  | 1.32  | 4.39          | 44.27             |  |
| May .....     | 3.77  | 1.79  | 1.26  | 5.66  | 7.07  | 5.41  | 3.98  | 2.12  | 1.02  | 4.36  | 3.83          | 40.27             |  |
| June .....    | 2.42  | .55   | 2.51  | .92   | 3.13  | .35   | 3.51  | 7.76  | 7.10  | 4.31  | 1.91          | 35.47             |  |
| July .....    | 4.22  | 3.21  | 6.47  | 5.14  | 6.18  | 3.47  | 7.09  | 5.95  | 4.01  | 4.14  | 7.52          | 57.40             |  |
| August .....  | 1.27  | 7.23  | 3.75  | 6.50  | 9.12  | 4.86  | 5.99  | 10.73 | 7.33  | 3.18  | 6.55          | 65.51             |  |
| September...  | 3.68  | 2.17  | 6.12  | 6.79  | 8.41  | 5.02  | 4.77  | 6.96  | 2.06  | 2.70  | 8.91          | 57.59             |  |
| October ..... | 5.04  | 2.89  | 1.93  | 13.30 | 7.82  | 9.58  | 6.76  | 6.04  | 8.63  | 9.18  | 11.05         | 82.22             |  |
| November...   | 1.82  | 4.75  | 2.92  | 7.66  | 5.21  | 5.17  | 11.27 | 5.61  | 13.03 | 16.08 | 10.23         | 83.75             |  |
| December...   | 4.55  | 8.84  | 8.46  | 7.02  | 11.13 | 6.97  | 2.41  | 3.94  | 5.94  | 17.49 | 8.89          | 85.64             |  |
| TOTALS...     | 52.32 | 44.99 | 64.45 | 83.91 | 73.22 | 71.92 | 67.36 | 78.00 | 80.55 | 67.89 | 79.24         | 762.85            |  |

Inspected, 11.7.21. f. by road on slight rising land more sheltered on W  
by hill-slopes. Substrate silty.  
Suggest moving to hollow in meadow on opposite (E) side of  
road where it will be more sheltered & a good site

1920 Baden.

1921. Not printed - low throughout. Gauge moved & leak repaired 22/9/21.

Position of Station on reduced Ordnance Survey  
Map, 2 miles to 1 inch Series

No. of Map\_\_\_\_\_

Reference No.

[illegible]



RAINFALL at Birmingham 10.10. (Glyant)County of Radnor.Observer J.W. Wilkinson, B.E.River Basin 1- WyeA.H. Barnes, Esq. CE 1940

Type of Gauge

Robinson Birmingham No. 8.1Annual Average 5.8 in. based on 14 years obs. un-weighted. Period of average 1891-1915 Ref. 2 A. W. S. 12660552/26

| Diameter  | 5     |       |       |       |       |       |       |       |       |       |        |  |
|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--|
| Height    | 1.0   |       |       |       |       |       |       |       |       |       |        |  |
| Altitude  | 1020  |       |       |       |       |       |       |       |       |       |        |  |
| Year      | 1931  | 1932  | 1933  | 1934  | 1935  | 1936  | 1937  | 1938  | 1939  | 1940  | Years  |  |
|           |       |       |       |       |       |       | †     |       |       |       | 1891   |  |
| January   | 9.23  | 10.38 | 7.93  | 7.74  | 3.94  | 8.55  | 13.10 | 12.65 | 10.66 | 3.54  | 87.72  |  |
| February  | 8.87  | 1.19  | 7.74  | .56   | 9.96  | 3.99  | 11.02 | 4.47  | 8.06  | 4.66  | 59.52  |  |
| March     | 1.60  | 4.76  | 4.62  | 7.42  | 2.84  | 3.73  | 4.61  | 1.56  | 4.14  | 4.58  | 39.86  |  |
| April     | 5.55  | 6.77  | 1.08  | 4.49  | 7.88  | 4.08  | 5.49  | .79   | 4.75  | 3.64  | 45.02  |  |
| May       | 5.76  | 5.33  | 2.14  | 3.49  | 2.23  | 2.16  | 2.25  | 4.11  | 1.30  | 2.47  | 31.24  |  |
| June      | 3.90  | 1.96  | 5.03  | 2.45  | 5.58  | 6.85  | 2.06  | 5.65  | 3.03  | .55   | 37.06  |  |
| July      | 5.31  | 5.88  | 5.36  | 2.82  | 1.54  | 8.10  | 3.03  | 5.21  | 9.20  | 7.66  | 54.11  |  |
| August    | 5.18  | 1.63  | 1.97  | 6.90  | 2.52  | 1.14  | 1.09  | 4.56  | 3.50  | 1.68  | 30.17  |  |
| September | 3.18  | 6.28  | 1.33  | 5.27  | 11.61 | 5.60  | 3.66  | 1.93  | 1.00  | 4.12  | 43.98  |  |
| October   | 2.95  | 12.96 | 7.98  | 7.80  | 11.12 | 6.30  | 4.33  | 10.59 | 3.55  | 7.76  | 75.34  |  |
| November  | 11.66 | 6.83  | 2.04  | 3.04  | 9.87  | 8.02  | 1.86  | 10.73 | 15.91 | 14.17 | 84.13  |  |
| December  | 4.87  | 4.71  | 1.90  | 13.10 | 6.52  | 12.44 | 5.71  | 8.59  | 5.49  | 6.87  | 70.20  |  |
| TOTALS    | 68.06 | 67.68 | 49.12 | 65.58 | 75.61 | 70.96 | 58.21 | 70.04 | 70.59 | 61.70 | 658.35 |  |

Inspected 9.8.37. Gauge in fence 15' w. with turf wall 1' round edge of fence. Suggested making turf on reservoir side level with rim of gauge. Good site.

Turf wall set up 22.9.37. (Footnote B.R. 1937)

Position of Station on reduced Ordnance Survey Map,  
1 mile to 1 inch Series

No. of Map.....

Reference No.....

| Date. | Lat. N. | Long. | Railway Station. | Distance from gauge | Direction from gauge | Parish Church. | Distance from gauge | Direction from gauge |
|-------|---------|-------|------------------|---------------------|----------------------|----------------|---------------------|----------------------|
|       |         |       |                  |                     |                      |                |                     |                      |

Station No. T.F. 4233

RAINFALL at <sup>2</sup> Birmingham W.W. (Tyntek)

41

County of Radnor Observer A.A. Barnes Esq. C.E.

River Basin 1 - Wye C.A. Bickridge Esq. C.E.

Type of Gauge

Feb. 1940 "Birmingham Water Bill"

Annual Average 64.3 in. based on years obs. un-weighted. Period of average 1881-1915 Ref. P.B. 392

File No. 660552/26 63170/45

|           |            |            |            |            |            |            |            |            |            |            |                  |
|-----------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------------|
| Diameter  | 5          |            |            |            | 46a        | 923        |            |            |            |            |                  |
| Height    | 1          | 0          |            |            |            | 1          |            |            |            |            |                  |
| Altitude  | 1020       |            |            |            |            | 41         |            |            |            |            |                  |
| Year      | 1941       | 1942       | 1943       | 1944       | 1945       | 1946       | 1947       | 1948       | 1949       | 1950       | 1941-50<br>Means |
| January   | 4.43       | 7.12       | 10.40      | 9.48       | 5.11       | 8.25       | (5.98)     | 16.50      | 4.80       | 3.40       | 75.87            |
| February  | 6.26       | 1.88       | 5.87       | 3.53       | 8.73       | 13.45      | (2.90)     | 5.54       | 3.06       | 12.67      | 63.89            |
| March     | 5.01       | 4.31       | 1.82       | 1.00       | 2.74       | 1.59       | 13.81      | 4.47       | 3.99       | 3.23       | 41.97            |
| April     | 2.29       | 4.75       | 2.33       | 2.67       | 3.00       | 2.17       | 5.71       | 4.80       | 6.03       | 5.80       | 39.57            |
| May       | 4.68       | 8.38       | 6.41       | 3.89       | 4.12       | 3.43       | 4.09       | 4.01       | 5.88       | 1.67       | 46.56            |
| June      | 1.54       | 0.74       | 5.06       | 3.22       | 6.44       | 4.80       | 3.44       | 6.42       | .87        | 2.34       | 34.87            |
| July      | 3.08       | 5.58       | 4.31       | 3.73       | 3.01       | 4.01       | 4.04       | 3.37       | 1.36       | 4.89       | 37.28            |
| August    | 8.60       | 4.77       | 5.92       | 3.01       | 4.24       | 8.63       | 0.83       | 5.70       | 3.40       | 8.06       | 53.16            |
| September | 1.62       | 4.44       | 7.46       | 5.91       | 4.61       | 11.11      | 3.67       | 5.60       | 3.03       | 11.60      | 59.07            |
| October   | 7.07       | 7.87       | 6.74       | 10.90      | 5.43       | 3.32       | 1.44       | 4.95       | 10.40      | 3.91       | 62.03            |
| November  | 5.61       | 0.93       | 7.66       | 10.02      | 1.02       | 12.88      | 8.44       | 3.84       | 10.31      | 9.31       | 70.02            |
| December  | 6.29       | 9.23       | 4.08       | 7.68       | 7.45       | 8.57       | 7.91       | 11.25      | 12.74      | 5.32       | 80.52            |
| TOTALS    | 56.48<br>D | 60.00<br>D | 68.86<br>D | 65.04<br>D | 55.90<br>D | 82.21<br>D | 62.26<br>D | 76.45<br>D | 66.11<br>D | 71.90<br>D | 664.41           |

89.46 Gauge site overhauled (8.46. Insp by Eng. Greaving slightly S.W.).  
 1947. Jan. & Feb. used for snow by observer

60004

X

X

2 Twp wall round gauge

Position of Station on reduced Ordnance Survey Map, } No. of Map.....

1 mile to 1 inch Series

Reference No.....

| Date. | Lat. N. | Long. | Railway Station. | Distance from gauge | Direction from gauge | Parish Church. | Distance from gauge | Direction from gauge |
|-------|---------|-------|------------------|---------------------|----------------------|----------------|---------------------|----------------------|
|       |         |       |                  |                     |                      |                |                     |                      |

BRITISH RAINFALL ORGANIZATION

Station No. 4233

RAINFALL at § Birmingham NW (Tynant)County of Radhamaire Observer C. A. Risbridger <sup>Esq</sup> CE.River Basin 1-WyeType of Gauge SnowdonAnnual Average 64.3 in. based on Feb 1940 Birm. W. Bill years obs. un-weighted. Period of average 1881-1915 Ref. P.B. 392

69.17 .. 15 .. (within) 1941-56

File No. 1916-1930 8170125 5

| Diameter ...  | 5"    |       |       |        | 464   | 923   |       |       |       |       |        |        |
|---------------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|--------|--------|
| Height ...    | 1'0"  |       |       |        |       | 1     |       |       | 11"   |       |        |        |
| Altitude ...  | 1020' |       |       |        |       | 51    |       |       |       |       |        |        |
| Year ...      | 1951  | 1952  | 1953  | 1954   | 1955  | 1956  | 1957  | 1958  | 1959  | 1960  | Means  | Totals |
| January ...   | 7.70  | 9.40  | 3.02  | (1.16) | 5.30  | 9.11  | 7.03  | 7.27  | 8.77  | 10.17 | 74.93  |        |
| February ...  | 8.10  | 3.76  | 3.00  | 6.06   | 4.45  | 1.33  | 7.17  | 10.97 | 0.92  | 9.34  | 55.10  |        |
| March ...     | 8.58  | 3.20  | 6.73  | 6.17   | 4.82  | 6.28  | 6.55  | 1.94  | 5.07  | 3.72  | 53.01  |        |
| April ...     | 6.74  | 3.36  | 5.24  | 1.93   | 3.78  | 2.77  | 0.41  | 2.25  | 7.22  | 6.96  | 40.66  |        |
| May ...       | 3.58  | 3.97  | 3.23  | 3.91   | 6.93  | 0.99  | 3.53  | 4.47  | 2.60  | 2.42  | 35.61  |        |
| June ...      | 1.88  | 4.42  | 1.71  | 6.97   | 7.45  | 2.97  | 2.25  | 5.15  | 4.08  | 3.65  | 39.83  |        |
| July ...      | 3.13  | 2.57  | 6.57  | 7.13   | 1.86  | 4.97  | 8.12  | 5.38  | 5.46  | 7.63  | 52.82  |        |
| August ...    | 6.61  | 5.67  | 4.94  | 6.69   | 1.25  | 9.15  | 11.08 | 4.11  | 0.77  | 6.88  | 55.15  |        |
| September ... | 5.87  | 5.46  | 7.39  | 8.32   | 4.55  | 6.78  | 13.13 | 9.20  | 0.39  | 5.44  | 66.03  |        |
| October ...   | 1.66  | 7.00  | 4.12  | 10.35  | 5.68  | 4.61  | 6.64  | 6.97  | 10.11 | 8.14  | 65.28  |        |
| November ...  | 14.28 | 6.13  | 6.75  | 12.55  | 5.09  | 5.00  | 4.77  | 4.24  | 8.07  | 13.17 | 80.07  |        |
| December ...  | 10.73 | 8.07  | 2.52  | 9.39   | 7.66  | 8.46  | 7.91  | 6.46  | 14.80 | 11.52 | 87.52  |        |
| TOTALS ...    | 77.79 | 63.01 | 55.22 | 86.63  | 58.82 | 62.42 | 78.59 | 68.41 | 68.28 | 86.84 | 706.01 | 10     |
|               | D     | D     | D     | D      | D     | D     | D     | D     | D     | D     |        |        |

Gauging site overlaid mar 1953 also 4.9.53

1955. Station overlaid 23.8.55. 4000 ft.

Inst. 1951/50K. Satisfactory. Good turf-wall. Oct. 1959 Containes repaired.

§ Turf wall round gauge

Position of Station on Ordnance One-Inch map :

No. of Map .....

National Grid Reference SN 899673

| Date. | Lat. N. | Long. | Railway Station. | Distance Direction from gauge | Parish Church. | Distance Direction from gauge. |
|-------|---------|-------|------------------|-------------------------------|----------------|--------------------------------|
|       |         |       |                  |                               |                |                                |

Summary of Earlier Records from 10-year Sheets :

| Record D, or d | 1910-19 | 1920-30 | 1931-40 | 1941-50 | 1951-60 |
|----------------|---------|---------|---------|---------|---------|
|                | D       | D       | D       | D       |         |