

# RAINFALL AT Birmingham Edgbaston

Lat.  $58^{\circ} 28' 24''$  N

Lon.  $1^{\circ} 50' 40''$  W

County of Warwick

Rain Gauge, by

Observer

A. Creswell Esq

Temo-R - 4.

|               |      |      |      |       |       |       |       |       |       |       |        |  |
|---------------|------|------|------|-------|-------|-------|-------|-------|-------|-------|--------|--|
| Diameter .... |      |      |      | 8     |       |       |       |       |       |       |        |  |
| Height .....  |      |      |      | 10    |       |       |       |       |       |       |        |  |
| Altitude .... |      |      |      | 526   |       |       | 535   |       |       |       |        |  |
| Year .....    | 1890 | 1891 | 1892 | 1893  | 1894  | 1895  | 1896  | 1897  | 1898  | 1899  | MEANS. |  |
| January ....  |      |      |      | 1.75  | 1.61  | 3.92  | 1.15  | 1.90  | .83   | 3.45  |        |  |
| February .... |      |      |      | 2.57  | 2.06  | .32   | .57   | 2.54  | 1.48  | 1.99  |        |  |
| March .....   |      |      |      | .50   | 1.05  | 1.91  | 2.68  | 3.14  | .63   | 1.02  |        |  |
| April .....   |      |      |      | .33   | 1.62  | 2.37  | 1.34  | 2.03  | 1.85  | 2.40  |        |  |
| May .....     |      |      |      | 2.09  | 2.01  | .82   | .21   | 1.20  | 3.63  | 2.20  |        |  |
| June .....    |      |      |      | 1.08  | 2.16  | .90   | 1.92  | 4.13  | 1.06  | 3.24  |        |  |
| July .....    |      |      |      | 1.64  | 3.37  | 3.25  | 1.25  | .95   | 1.29  | 1.11  |        |  |
| August .....  |      |      |      | 2.26  | 2.12  | 2.75  | 1.74  | 3.82  | 2.58  | 1.08  |        |  |
| September.... |      |      |      | 1.72  | 1.70  | .46   | 4.35  | 2.48  | .64   | 2.81  |        |  |
| October ..... |      |      |      | 2.45  | 3.48  | 2.81  | 2.50  | 1.32  | 2.74  | 2.37  |        |  |
| November....  |      |      |      | 1.39  | 2.48  | 3.41  | 1.26  | 1.96  | 2.52  | 1.50  |        |  |
| December .... |      |      |      | 3.02  | 1.88  | 1.99  | 3.34  | 2.78  | 2.25  | 1.95  |        |  |
| TOTALS ....   |      |      |      | 20.80 | 25.54 | 24.91 | 22.31 | 28.25 | 21.50 | 25.12 |        |  |

# RAINFALL AT

Birmingham Edgbaston

2478

Lat. 52° 25' 24" N

Lon. 1° 55' 40" W

County of Warwick

Rain Gauge, by

Observer

A. Casswell Esq.

From P. 4.

|              |       |       |       |       |       |       |       |       |       |       |        |
|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| Diameter ..  | 8     |       |       |       |       |       |       |       |       |       |        |
| Height ....  | 10    |       |       |       |       |       |       |       |       |       |        |
| Altitude ..  | 535   |       |       |       | 525   |       |       |       |       |       |        |
| Year ....    | 1900  | 1901  | 1902  | 1903  | 1904  | 1905  | 1906  | 1907  | 1908  | 1909  | MEANS. |
| January ..   | 3.54  | 1.37  | 1.02  | 1.97  | 2.92  | .96   | 3.85  | .91   | .81   | .76   | 1.831  |
| February ..  | 4.28  | 1.34  | 1.60  | 1.42  | 3.81  | .68   | 2.05  | 1.09  | 1.21  | .69   | 1.817  |
| March ....   | .70   | 1.77  | 1.60  | 4.63  | 1.54  | 3.52  | 1.13  | 1.02  | 3.06  | 2.95  | 2.192  |
| April .....  | .93   | 1.95  | 2.49  | 1.64  | 1.12  | 2.31  | 1.33  | 1.93  | 2.34  | 1.83  | 1.787  |
| May .....    | 2.09  | 1.12  | 2.95  | 2.64  | 2.25  | .28   | 2.78  | 3.94  | 3.00  | 1.68  | 2.273  |
| June .....   | 2.42  | 1.84  | 2.41  | 1.66  | .47   | 2.10  | 2.86  | 2.57  | 3.23  | 3.42  | 2.298  |
| July .....   | 1.74  | 3.13  | 1.59  | 2.15  | 2.50  | 1.91  | .90   | 2.90  | 2.22  | 3.22  | 2.226  |
| August ....  | 2.89  | 2.13  | 4.43  | 5.16  | 1.85  | 4.41  | .89   | 2.29  | 2.39  | 1.87  | 2.831  |
| September .. | .80   | .65   | 1.50  | 2.55  | 1.41  | 1.01  | 1.18  | .90   | 2.33  | 2.55  | 1.488  |
| October .... | 3.08  | 1.84  | 2.33  | 6.55  | .88   | 1.35  | 4.87  | 5.80  | 2.01  | 3.45  | 3.216  |
| November ..  | 2.40  | 1.23  | 2.24  | 1.66  | 1.38  | 3.04  | 2.88  | 2.08  | 1.85  | .79   | 1.955  |
| December ..  | 4.25  | 4.30  | 1.86  | 1.80  | 1.81  | .83   | 2.15  | 3.43  | 2.06  | 4.31  | 2.680  |
| TOTALS ..    | 29.12 | 22.67 | 26.02 | 33.83 | 21.94 | 22.40 | 26.87 | 28.86 | 26.51 | 27.72 | 26.594 |

3 3 3 3 3 3

Monument Lane Station

1/10

RAINFALL at Birmingham EdgbastonCounty of WarwickshireObserver A. Greenwell Esq. M.C.River Basin Leam. Right Bank Tributaries 4A. Holley Esq. (17)Smarden Rain Gauge, by \_\_\_\_\_

|               |                   |       |       |       |       |       |       |       |       |       |        |            |
|---------------|-------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|------------|
| Diameter ...  | 8                 |       |       |       |       |       |       |       |       |       |        |            |
| Height .....  | 1 0               |       |       |       |       |       |       |       |       | 1 6   |        |            |
| Altitude ...  | 575 <del>ft</del> |       |       |       |       |       |       |       |       |       |        |            |
| Year ...      | 1910              | 1911  | 1912  | 1913  | 1914  | 1915  | 1916  | 1917  | 1918  | 1919  | MEANS. | <u>Sum</u> |
| January ...   | 2.24              | .87   | 3.99  | 3.63  | .89   | 2.30  | 1.06  | 1.69  | 2.43  | 3.45  |        | 16.9       |
| February ...  | 2.93              | 1.45  | 1.60  | .80   | 2.04  | 3.68  | 3.36  | .85   | 1.32  | 2.91  |        | 863        |
| March .....   | .69               | 1.86  | 3.91  | 4.41  | 2.21  | .84   | 2.71  | 1.44  | 1.33  | 3.99  |        | 244        |
| April .....   | 2.22              | .88   | .23   | 3.45  | 1.08  | 1.07  | 1.10  | 1.60  | 2.51  | 1.76  |        | 9.47       |
| May .....     | 1.67              | .71   | 2.58  | 2.26  | 1.51  | 2.13  | 2.30  | 3.83  | 2.46  | .93   |        | 6.97       |
| June .....    | 1.47              | 1.89  | 4.91  | 1.41  | 2.78  | 1.37  | 1.75  | 2.97  | .93   | 1.31  |        | 9.52       |
| July .....    | 2.45              | .27   | 3.41  | 1.54  | 3.82  | 6.22  | 1.65  | 2.04  | 2.02  | 3.11  |        | 6.96       |
| August .....  | 4.89              | 1.44  | 6.81  | 1.05  | 2.12  | 1.52  | 2.23  | 5.66  | 1.30  | 2.42  |        | 882        |
| September ... | .93               | 1.46  | .80   | 1.93  | .93   | .60   | 1.53  | 2.04  | 6.51  | 2.19  |        | 11.61      |
| October ...   | 2.32              | 1.92  | 2.43  | 2.99  | 1.63  | 1.97  | 3.22  | 2.78  | 1.18  | 2.88  |        | 12.27      |
| November ..   | 3.99              | 2.62  | 2.00  | 2.37  | 3.68  | 2.53  | 3.31  | 1.44  | 1.86  | 1.77  |        | 10.06      |
| December ...  | 5.38              | 4.95  | 3.31  | 1.20  | 6.12  | 4.74  | 2.26  | 1.37  | 2.98  | 3.95  |        | 8.32       |
| TOTALS ...    | 31.15             | 20.32 | 35.94 | 27.04 | 28.81 | 29.47 | 26.48 | 27.71 | 26.83 | 30.67 | 28.449 | 11169      |
|               | 3                 | 2     | 2     | 2     | 2     | 2     | 2     | 2     | 2     | 2     |        | 9074       |

| Date. | Lat. N.       | Long.        | Railway Station. | Distance. | Direction. | Church. | Distance. | Direction. |
|-------|---------------|--------------|------------------|-----------|------------|---------|-----------|------------|
|       | 52° 25' 24" N | 1° 55' 40" W | Monmouth Lane    | 1.9m      | NE         |         |           |            |





RAINFALL at Birmingham (Edgbaston) M.W.R.County of Warwickshire Rising Institute  
Observer (A. J. Kelley) Esq.River Basin Trent-Right Bank tribs 4

Type of Gauge .....

Annual Average 36.5 in. based on 35 years obs. un-weighted. Period of average 1881-1915 Ref. B.M.

|           |       |       |       |       |       |       |       |       |       |       |       |        |
|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| Diameter  | 8     |       |       |       |       |       |       |       |       |       |       |        |
| Height    | 1 6   |       |       |       |       |       |       | 1 0   | 1 0"  |       |       |        |
| Altitude  | 535   |       |       |       |       |       |       |       |       |       |       |        |
| Year      | 1931  | 1932  | 1933  | 1934  | 1935  | 1936  | 1937  | 1938  | 1939  | 1940  | Means | Totals |
| January   | 1.99  | 2.37  | 1.92  | 3.13  | 1.06  | 3.54  | 3.69  | 3.09  | 5.51  | 3.04  |       | 29.64  |
| February  | 2.47  | 2.9   | 3.89  | 2.9   | 2.67  | 2.74  | 3.89  | .89   | 1.40  | 2.38  |       | 20.81  |
| March     | 1.18  | 1.89  | 2.92  | 2.04  | .64   | 2.30  | 2.64  | .44   | 1.44  | 1.64  |       | 16.33  |
| April     | 4.02  | 3.24  | .73   | 2.20  | 3.50  | 2.02  | 2.86  | .10   | 2.11  | 4.80  |       | 25.58  |
| May       | 3.94  | 6.81  | 2.28  | .92   | 1.77  | .99   | 2.50  | 1.84  | 1.09  | 2.65  |       | 24.77  |
| June      | 3.59  | 1.66  | 2.26  | 1.02  | 2.35  | 3.34  | .82   | 2.02  | 1.61  | .68   |       | 19.35  |
| July      | 3.21  | 2.53  | 2.11  | 1.00  | .40   | 6.59  | 2.74  | 3.00  | 3.84  | 3.20  |       | 28.66  |
| August    | 4.65  | 2.48  | .78   | 2.31  | 2.16  | .82   | .97   | 3.29  | 2.42  | .22   |       | 20.30  |
| September | 2.41  | 3.00  | .71   | 2.07  | 3.77  | 2.98  | 1.99  | 1.90  | .97   | .80   |       | 20.60  |
| October   | .91   | 3.56  | 5.00  | 1.65  | 3.37  | 1.61  | 2.67  | 2.67  | 3.35  | 4.34  |       | 29.13  |
| November  | 3.76  | 2.06  | .93   | 2.07  | 5.80  | 2.91  | 1.57  | 3.40  | 4.57  | 4.07  |       | 34.14  |
| December  | .88   | 1.07  | .49   | 4.59  | 3.69  | 2.67  | 2.54  | 4.39  | 1.66  | 2.07  |       | 23.95  |
| TOTALS    | 32.01 | 30.96 | 24.02 | 23.29 | 30.98 | 32.51 | 28.88 | 27.03 | 30.69 | 32.89 |       | 293.26 |
|           | D.    | D.    | D.    | D.    | D.    | D.    | D.    | D.    | D.    | D.    |       | 906    |

Position of Station on reduced Ordnance Survey Map, } No. of Map..... Reference No.....  
1 mile to 1 inch Series

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

BRITISH RAINFALL ORGANIZATION, EXHIBITION ROAD, LONDON, S.W.7.

Station No. 2478RAINFALL at Birmingham (Edgbaston) 41County of TamworthObserver Highland Institute (A.J. Kelly)River Basin Trent Right Bank 4Birmingham & Midland Trust  
(1950)

Type of Gauge.....

Annual Average 28.5 in. based on 36 years obs. un-weighted. Period of average 1881-1915 Ref. Ref NAt about 20' low?

File No. ....

| Diameter  | 8"    |       |       |       | 094   | 972   |       |       |       |       |       |        |
|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| Height    | 1'0"  |       |       |       |       | 3     |       |       |       |       |       |        |
| Altitude  | 535'  |       |       |       |       | 41    |       |       |       |       |       |        |
| Year      | 1941  | 1942  | 1943  | 1944  | 1945  | 1946  | 1947  | 1948  | 1949  | 1950  | Means | Totals |
| January   | 3.67  | 3.60  | 5.45  | 2.99  | 2.11  | 2.78  | 2.11  | 4.52  | 1.38  | 1.74  |       | 29.35  |
| February  | 3.10  | 1.07  | 1.86  | 1.65  | 2.75  | 2.44  | 2.01  | 1.61  | 1.77  | 5.28  |       | 22.54  |
| March     | 2.47  | 2.11  | .94   | .41   | .90   | .92   | 6.79  | 1.25  | 1.57  | 1.56  |       | 18.92  |
| April     | 1.81  | 2.01  | .71   | 1.94  | .96   | 2.58  | 2.64  | 1.96  | 2.39  | 1.96  |       | 18.96  |
| May       | 3.25  | 3.73  | 4.01  | .76   | 3.49  | 2.97  | 2.44  | 2.48  | 2.21  | 1.61  |       | 26.95  |
| June      | .97   | .17   | 1.52  | 1.61  | 3.16  | 2.66  | 1.57  | 3.69  | .25   | 2.21  |       | 17.21  |
| July      | 2.39  | 2.10  | 1.12  | 2.46  | 2.80  | 1.80  | 3.95  | 1.83  | 2.77  | 2.95  |       | 25.3   |
| August    | 4.36  | 2.77  | 1.53  | 2.25  | 1.93  | 5.66  | .63   | 4.39  | 2.11  | 3.21  |       | 28.91  |
| September | .69   | 1.46  | 1.76  | 3.66  | 1.38  | 3.76  | 1.59  | 2.81  | 1.11  | 4.85  |       | 23.07  |
| October   | 3.04  | 2.81  | 1.83  | 3.24  | 4.53  | .49   | .40   | 2.83  | 5.42  | .79   |       | 25.43  |
| November  | 3.65  | 1.54  | 1.81  | 4.79  | 1.06  | 6.57  | 1.87  | 1.54  | 3.26  | 4.57  |       | 30.72  |
| December  | 1.92  | 3.56  | 1.36  | 1.77  | 3.59  | 2.87  | 2.28  | 5.00  | 1.63  | 1.67  |       | 25.65  |
| TOTALS    | 32.34 | 26.93 | 23.96 | 27.53 | 28.76 | 35.50 | 28.28 | 83.91 | 24.87 | 31.40 |       | 293.68 |

Inspected 10.3.48, A.C.V. Oddie. Gauge site satisfactory.  
 Inspected 22.11.49, Mr F.H. Dwyer. Satisfactory except that gauge is a little over-exposed between  
 Inspected R.F. Tudden. 20/4/50. Gauge slightly out of shape. Sited on uneven ground. W. to N.W.

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. |
|-------|---------|-------|------------------|---------------------|----------------------|----------------|----------------------|-----------------------|
|       |         |       |                  |                     |                      |                |                      |                       |

BRITISH RAINFALL ORGANIZATION



Observatory Station No. 2478

M.W.R. 143

RAINFALL at BIRMINGHAM

(EDGEMONT)

51

County of WARWICKSHIRE

Observer

MAJOR J. L. [A. S. KELLY]River Basin TAM - R. AVON - L.Birmingham & Midland Joint Inst.Type of Gauge M.O. (1.1.52)Annual Average 26.5 in. based on 36 years obs. un-weighted.

Period of average

1881-1915 Ref. B. of N.29.2 15 (averaged 2155)1916-1950

File No.

30.70 " " 17 years 1940-1956

| Diameter  | 8"    | 5"    |       |       |       |       |       |       |       |       |        | 5"    |
|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|
| Height    | 1' 0" |       |       |       |       | 3     |       |       |       |       |        | 1' 0" |
| Altitude  | 536'  |       |       |       |       | 51    |       |       |       |       |        | 536'  |
| Year      | 1951  | 1952  | 1953  | 1954  | 1955  | 1956  | 1957  | 1958  | 1959  | 1960  | Means  |       |
| January   | 3.01  | 2.72  | .97   | 1.08  | 2.62  | 3.61  | 1.30  | 2.61  | 3.67  | 6.02  | 27.61  |       |
| February  | 3.11  | .63   | 1.22  | 2.70  | 2.11  | .52   | 2.93  | 4.94  | .19   | 2.44  | 20.79  |       |
| March     | 5.14  | 2.49  | 1.66  | 2.76  | 3.45  | 1.04  | 2.49  | 1.43  | 1.75  | 1.61  | 23.82  |       |
| April     | 2.95  | 2.86  | 2.77  | .62   | 1.10  | 1.53  | .19   | .73   | 3.88  | 1.50  | 18.13  |       |
| May       | 3.64  | 2.58  | 2.96  | 2.88  | 5.17  | .58   | 1.26  | 2.18  | 1.06  | 1.17  | 23.48  |       |
| June      | 1.13  | 1.55  | 1.92  | 3.21  | 2.93  | 2.09  | 1.77  | 4.23  | .93   | 2.67  | 22.43  |       |
| July      | 1.06  | 1.73  | 3.57  | 4.10  | .43   | 3.83  | 3.88  | 3.41  | 2.00  | 3.47  | 27.48  |       |
| August    | 4.24  | 3.66  | 2.45  | 4.15  | .58   | 4.98  | 4.23  | 2.72  | 2.67  | 2.94  | 32.62  |       |
| September | 3.34  | 1.74  | 2.33  | 1.69  | 1.87  | 2.88  | 5.10  | 3.42  | .17   | 5.80  | 28.34  |       |
| October   | .72   | 4.19  | 2.21  | 3.51  | 1.66  | 1.64  | 1.50  | 2.48  | 3.00  | 5.89  | 26.80  |       |
| November  | 7.82  | 2.54  | 1.37  | 6.31  | 2.99  | .87   | 2.07  | 1.97  | 4.33  | 3.71  | 33.88  |       |
| December  | 2.77  | 2.84  | 1.19  | 2.35  | 2.36  | 3.50  | 2.37  | 3.33  | 5.15  | 3.71  | 29.57  |       |
| TOTALS    | 38.93 | 29.53 | 24.62 | 35.36 | 26.67 | 27.07 | 29.09 | 33.95 | 28.80 | 40.93 | 314.95 |       |

Inst. 16.10.51 by A.W. Bury. Condition of gauge fair. In comparison with

1952. Inst. 14.10.52. Note that the gauge was then not in use. 1/1/52

Inst. 11.5.53. Satisfactory. Inst. 11.5.53. Satisfactory.

Inst. 1955. August - gauge good but needs cleaning. Shows drops 4.5" to 5.5" W. Border non-standard type.

Inst. Aug 1956. G. Sat. On level top of covered vision with sharp drop 15' deep 60.5. Best available.

Inst. 17.6.60 H.W. no significant change.

E.H.P. Rodgers

Position of Station on Ordnance One-Inch map:

No. of Map.....

National Grid Reference SP42/046864

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

Summary of Earlier Records from 10-year Sheets:

1916-1950, P- Accepted

| Record D, or d | 1910-19 | 1920-30 | 1931-40     | 1941-50 | 1951-60 |
|----------------|---------|---------|-------------|---------|---------|
|                | ✓       | ✓       | ✓           | ✓       |         |
|                | Inst-15 | ✓       | Inst-37, 38 | ✓       |         |