

RAINFALL AT

Birmingham W. S. Colettors

Lat. _____

Lon. _____

County of Radnor

Rain Gauge, by _____

Observer E. Anthony Lewis

Type - 1.

| | | | | | | | | | | | |
|--------------|------|------|------|------|------|------|------|------|-------|-------|--------|
| Diameter ... | | | | | | | | | 5 | | |
| Height | | | | | | | | | 1 0 | | |
| Altitude ... | | | | * | | | | | 1500 | | |
| Year ... | 1900 | 1901 | 1902 | 1903 | 1904 | 1905 | 1906 | 1907 | 1908 | 1909 | MEANS. |
| January ... | | | | | | | | | 4.80 | 5.40 | |
| February ... | | | | | | | | | 4.40 | 1.25 | |
| March | | | | | | | | | 6.30 | 5.10 | |
| April | | | | | | | | | 3.40 | 6.58 | |
| May | | | | | | | | | 4.60 | 2.75 | |
| June | | | | | | | | | 2.35 | 3.10 | |
| July | | | | | | | | | 7.50 | 8.30 | |
| August | | | | | | | | | 7.85 | 3.30 | |
| September .. | | | | | | | | | 5.60 | 5.80 | |
| October ... | | | | | | | | | 2.75 | 12.00 | |
| November .. | | | | | | | | | 6.25 | 2.80 | |
| December ... | | | | | | | | | 6.40 | 9.95 | |
| TOTALS ... | | | | | | | | | 62.20 | 66.33 | |

RAINFALL at Birmingham W.D. CallettCounty of RadnorObserver E. Antony KeelingRiver Basin Wye

Rain Gauge, by

| | | | | | | | | | | | | |
|--------------|-------|-------|-------|-------|-------|-------|---------|---------|-------|-------|----------------------------|--|
| Diameter ... | 5 | | | | | | | | | | | |
| Height | 1.0 | | | | | | | | | | | |
| Altitude ... | 1500 | | | | | | | | | | | |
| Year ... | 1910 | 1911 | 1912 | 1913 | 1914 | 1915 | 1916 | 1917 | 1918 | 1919 | 1916-19 MEANS Totals | |
| January ... | 7.60 | 3.50 | 6.55 | 10.15 | 6.70 | 9.80 | 5.22 | 2.50 | 6.00 | 6.75 | 20.47 | |
| February ... | 8.86 | 5.40 | 4.35 | 3.15 | 7.20 | 9.70 | (8.90) | 2.04 | 7.70 | 5.25 | 23.89 | |
| March | 2.50 | 4.26 | 11.00 | 9.00 | 10.55 | 2.60 | (4.60) | (4.24) | 4.24 | 8.70 | 21.78 | |
| April | 6.00 | 4.28 | 1.05 | 9.50 | 2.15 | 3.80 | 6.95 | (4.00) | 2.25 | 5.70 | 18.90 | |
| May | 3.45 | 2.10 | 2.75 | 4.05 | 4.95 | 4.50 | 4.75 | 4.01 | 4.30 | 1.18 | 14.24 | |
| June | 9.25 | 5.96 | 6.91 | 5.70 | 2.80 | 2.20 | 4.34 | 3.60 | 3.30 | 4.80 | 16.04 | |
| July | 6.89 | 1.21 | 4.60 | 2.20 | 5.85 | 6.20 | 3.30 | 3.09 | 6.40 | 2.35 | 15.14 | |
| August | 6.75 | 4.64 | 13.40 | 3.55 | 5.85 | 6.80 | 5.25 | 14.76 | 3.90 | 5.24 | 29.15 | |
| September .. | 8.0 | 5.90 | 2.36 | 3.80 | 5.30 | 1.35 | 4.90 | 4.60 | 15.65 | 4.05 | 29.20 | |
| October ... | 6.45 | 6.45 | 8.30 | 6.20 | 3.50 | 4.05 | 13.13 | 10.30 | 6.25 | 3.38 | 33.06 | |
| November .. | 9.66 | 8.55 | 6.84 | 9.90 | 9.10 | 5.55 | 5.62 | 8.30 | 6.65 | 5.84 | 26.41 | |
| December... | 13.65 | 15.15 | 11.82 | 4.95 | 11.25 | 12.35 | 4.67 | 2.20 | 11.80 | 16.40 | 35.07 | |
| TOTALS ... | 81.86 | 67.40 | 79.93 | 72.15 | 74.70 | 67.90 | (41.63) | (63.64) | 78.44 | 69.64 | 283.35 | |

1916 February cond for S.

✓ 9/2

+ Inspected

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

RAINFALL at *Birmingham W.W. (Calettot)*County of *Bedford*Observer *F.W. Macaulay, Esq. F.R.S.*River Basin *Wye-1**J.W. Wilkinson C.E.**Copp Road Rain Gauge, by Thick
No. 1952. Badly tilted.**4.20
5.14
5.92
7.21**Surfaced newly re-graded*

| | | | | | | | | | | | | | | |
|---------------|-------|---------|-------|----------|-------|---------|---------|---------|---------|-------|---------------|-------------------|--|--|
| Diameter ... | 5" | | | | | | | | | | | | | |
| Height | 1.0 | | | | | | | | | | | | | |
| Altitude ... | 1330 | 1490 | | | | | | | | | | | | |
| Year | 1920 | 1921 | 1922 | 1923 | 1924 | 1925 | 1926 | 1927 | 1928 | 1929 | 1930 Mean. | 1920-30 Totals | | |
| January ... | 9.00 | 9.78 | 11.37 | 11.70 | 7.83 | 9.65 | 10.12 | (11.24) | 16.20 | 2.80 | 11.20 | 110.89 | | |
| February ... | 6.35 | 5.1 | 10.70 | (17.33) | 2.62 | (14.99) | 7.47 | (6.67) | 9.50 | 1.85 | .95 | 78.94 | | |
| March | 9.84 | 7.90 | 5.90 | 3.74 | 2.83 | 3.50 | 5.00 | (8.50) | 4.25 | .85 | (4.95) | 57.26 | | |
| April | 10.80 | 1.94 | 5.33 | 3.63 | 6.37 | 6.23 | 3.37 | (5.90) | 2.95 | 1.35 | (5.13) | 52.50 | | |
| May | 6.35 | 3.25 | 2.50 | 7.15 | 8.83 | 6.75 | 4.85 | (2.75) | 1.20 | 4.60 | 4.55 | 52.78 | | |
| June | 4.45 | .90 | 5.10 | 2.13 | 4.73 | .20 | 3.93 | (9.67) | 9.40 | 5.80 | 2.50 | 48.81 | | |
| July | 7.75 | 4.55 | 6.92 | 6.45 | 7.64 | 4.43 | 6.85 | 7.25 | 5.35 | 5.70 | (10.56) | 73.45 | | |
| August | 2.83 | 8.80 | 5.65 | 9.45 | 10.74 | (6.50) | 8.30 | 13.75 | 9.00 | 5.20 | 9.01 | 89.24 | | |
| September... | 4.64 | 3.78 | 7.95 | 10.12 | 10.10 | (7.15) | (6.96) | 9.40 | 2.35 | 2.60 | 10.61 | 75.66 | | |
| October | 6.90 | 4.17 | 2.10 | 16.83 | 10.08 | 11.90 | (7.65) | 6.85 | 9.10 | 11.40 | 13.85 | 100.93 | | |
| November... | 3.36 | 6.20 | 4.36 | 3.47 | 5.82 | 5.42 | 10.95 | 6.80 | (14.36) | 16.80 | 11.96 | 94.50 | | |
| December... | 5.82 | 13.40 | 8.70 | 12.40 | 10.80 | 8.23 | 3.22 | 3.60 | 6.30 | 17.60 | 10.97 | 101.04 | | |
| TOTALS... | 77.59 | (65.18) | 76.58 | (109.40) | 88.40 | (84.95) | (78.67) | (92.38) | 89.96 | 76.55 | (96.24) | 935.90 | | |

Inspected Ch. 13.7.21. G. on extreme W. of rounded hill falls gently on all sides, especially W. but at considerable distance. Too exposed. Suggested moving to E. to spot on edge of woods. In very slight hollow sheltered by woods. Slopes down to S.E. & S. a considerable distance may. Slope more N.W. & N.E. This will be not perfect.

1921. G. moved September 13th.

1922. Feb. Conv. by Observer

1923. Feb. Conv. by surrounding stations.

1930. At the end of the year G. was found to be slightly out of the ground and was not upright. This position had obviously been a long time in getting into the ground.

Position of Station on reduced Ordnance Survey Map, 2 miles 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 |
|-------|---------|-------|------------------|---------------------|----------------------|----------------|---------------------|----------------------|
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RAINFALL at Birmingham W.W. (Collector)County of RadnorObserver J. W. Wilkinson, C.E.River Basin 1 - WyeA.A. Barnes, Esq C.E. 1940Type of Gauge Public Birmingham Water SillAnnual Average 11.1 in. based on 25 years obs. un-weighted. Period of average 1881 - 1915 Ref 8 Av W Sills64055/36

| Diameter | 5 | | | | | | | | | | | |
|-----------|-------|---------|---------|--------|-------|--------|---------|-------|-------|-------|-------|---|
| Height | 1.0 | | | | | | | | | | | |
| Altitude | 1490 | | | | | | | | | | | |
| Year | 1931 | 1932 | 1933 | 1934 | 1935 | 1936 | 1937 | 1938 | 1939 | 1940 | Means | |
| January | 10.45 | 11.87 | 9.60 | 9.46* | 8.40 | 8.85 | 13.15 | 16.40 | 11.45 | 4.10 | 9993 | |
| February | 10.15 | 15 | 9.65 | 60 | 11.40 | 3.70 | (11.70) | 4.90 | 9.50 | 5.30 | 6705 | |
| March | 1.60 | 5.80 | 4.90 | 7.69* | 3.15 | 3.85 | 4.30 | 2.40 | 4.65 | 5.00 | 1334 | |
| April | 7.35 | 7.30 | 90 | 6.28* | 8.85 | 4.45* | 7.30 | 1.20 | 5.00 | 3.85 | 5248 | |
| May | 4.65 | 6.85 | 2.40 | 4.56* | 2.25 | 2.95 | 2.55 | 3.90 | 1.20 | 2.65 | 3346 | |
| June | 4.30 | 2.00 | (6.15) | 3.10 | 6.35 | 6.35* | 3.10 | 7.30 | 3.45 | .85 | 1235 | |
| July | 7.15 | 8.00 | 6.10 | 4.30 | 2.90 | 9.25* | 3.55 | 7.15 | 10.45 | 11.40 | 7035 | |
| August | 6.30 | 1.85 | 2.90 | 8.15 | 3.85 | 2.05 | 1.25 | 5.90 | 4.05 | 2.80 | 3910 | |
| September | 3.90 | 9.15 | (1.55) | 5.40 | 12.10 | 6.55 | (4.00) | 3.15 | 1.35 | 5.50 | 5265 | |
| October | 4.40 | 15.10 | (9.45) | 9.85 | 13.30 | 8.15 | 4.45 | 11.10 | 4.00 | 8.40 | 8820 | |
| November | 13.20 | 7.91 | 2.25 | 3.85* | 11.20 | 8.90 | 2.55 | 12.15 | 19.15 | 14.20 | 9536 | |
| December | 6.55 | 5.55 | (1.55) | 14.16* | 7.25 | 12.65* | 7.35 | 8.05 | 7.30 | 7.85 | 7906 | |
| TOTALS | 80.00 | (81.53) | (57.40) | 77.40 | 88.00 | 77.80 | 65.25 | 83.40 | 81.55 | 71.40 | 76393 | ✓ |

1934 * Monthly values adjusted by Mr. Wilkinson.

1936

Turf wall set up 28.9.37. (Footnote B.R. 1937)

1937 Feb. & Sept. adjusted by J.W. Wilkinson.

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 |
|-------|---------|-------|------------------|---------------------|----------------------|----------------|---------------------|----------------------|
| | | | | | | | | |

Station No. 4241RAINFALL at Birmingham W.W. (Calverton) 41County of RadnorObserver A.A. Barnes Esq., C.E.River Basin 1 - WyeType of Gauge Feb 1940 "Birm. Water Btl"Annual Average 72.5 in. based on 14 years obs. un-weighted. Period of average 1881-1915 Ref P B 392File No. W. 6. 5. 32

| Diameter | 5 | | | | 464 | 858 | | | | | | |
|-----------|-------|-------|-------|-------|--------|-------|---------|-------|---------|---------|--------|--|
| Height | 10 | | | | | 1 | | | | | | |
| Altitude | 490 | | | | | 41 | | | | | | |
| Year | 1941 | 1942 | 1943 | 1944 | 1945 | 1946 | 1947 | 1948 | 1949 | 1950 | Means | |
| January | 4.60 | 9.60 | 9.95 | 9.70 | 5.70 | 9.00 | (6.10) | 15.15 | (4.90) | 4.50 | 79.20 | |
| February | 8.35 | 2.00 | 7.60 | 4.45 | 8.00 | 14.60 | (3.50) | 5.85 | 3.50 | 11.15 | 69.00 | |
| March | 5.05 | 4.95 | 2.60 | 1.40 | 3.45 | 1.85 | (14.40) | 5.20 | 5.40 | 8.45 | 47.75 | |
| April | 2.30 | 4.75 | 2.95 | 2.85 | 3.10 | 2.35 | (5.45) | 4.90 | 6.70 | (7.00) | 42.35 | |
| May | 4.75 | 7.15 | 6.20 | 4.00 | 5.00 | 3.80 | 4.25 | 3.60 | 6.50 | 1.50 | 46.75 | |
| June | 1.85 | 0.70 | 5.40 | 3.85 | 7.55 | 5.95 | 2.75 | 7.55 | 0.63 | 2.45 | 38.68 | |
| July | 4.10 | 7.25 | 5.40 | 4.75 | (3.60) | 4.45 | 4.90 | 3.87 | 2.75 | (4.80) | 45.77 | |
| August | 9.55 | 5.45 | 6.45 | 3.85 | 4.90 | 12.70 | 0.75 | 5.85 | (4.05) | (9.15) | 62.70 | |
| September | 1.50 | 5.30 | 7.25 | 7.40 | 5.00 | 9.15 | 3.90 | 6.20 | 3.00 | (13.50) | 62.25 | |
| October | 8.40 | 10.50 | 5.90 | 12.30 | 6.20 | 3.50 | 1.95 | 5.95 | 9.80 | 4.80 | 69.00 | |
| November | 5.80 | 1.10 | 8.95 | 12.30 | 0.95 | 12.60 | 8.90 | 4.85 | 10.93 | 9.20 | 75.58 | |
| December | 7.75 | 11.20 | 3.90 | 7.70 | 8.00 | 8.00 | 8.15 | 10.40 | (13.40) | 6.25 | 84.75 | |
| TOTALS | 64.00 | 69.95 | 72.55 | 74.55 | 61.45 | 87.95 | 64.90 | 79.37 | 71.56 | (77.50) | 723.78 | |

1941 Jan. pt. std.

1945 July amended by observer. 8.46 East end Aug. 3 bearing N.E. 7° above ground. Rises 2 quins long. Tuff wall down.

1610.46 Gauge & site completely overhauled

1947 Jan. Feb. Mar. & Apr. used by engineer

1949 Aug. adj. by engineer, agreed not.

1970 Apr. July Aug. & Sept. part col. etc. overhauled Aug.

00434

2 Tuff wall round gauge

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 |
|-------|---------|-------|------------------|---------------------|----------------------|----------------|---------------------|----------------------|
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BRITISH RAINFALL ORGANIZATION

Station No. 4241

7F19

RAINFALL at St. B. Birmingham W.W. (Caletthor) 51County of Radnorshire Observer C. A. Risbridger Esq. O.E.River Basin 1-4 yeType of Gauge BradfordAnnual Average 72.5 in. based on 14 years obs. unweighted. Period of average 1881-1915 Ref. PD 392" " 74.29 " " 18 " " (within) 1925-56File No. 1916-1950
31701-5

| Diameter ... | 5" | | | | 464 | 858 | | | | | | |
|---------------|---------|---------|-------|-------|-------|---------|---------|-------|--------|-------|--------|--------|
| Height ... | 1' 0" | | | | | 1 | | | | | | |
| Altitude ... | 1490' | | | | | 51 | | | | | | |
| Year ... | 1951 | 1952 | 1953 | 1954 | 1955 | 1956 | 1957 | 1958 | 1959 | 1960 | Means | Totals |
| January ... | 7.75 | 9.10 | 3.80 | 6.40 | 5.70 | 10.50 | 7.90 | 7.10 | (9.75) | 11.00 | 79.00 | |
| February ... | 7.68 | (4.85) | 3.95 | 7.10 | 4.50 | (2.00) | 7.10 | 11.85 | 1.60 | 10.45 | 61.08 | |
| March ... | 10.30 | 3.30 | 4.25 | 5.35 | 4.55 | (6.40) | 7.22 | 2.15 | 4.55 | 4.00 | 55.07 | |
| April ... | 7.50 | 3.90 | 5.50 | 3.60 | 5.30 | 3.15 | 0.70 | 3.20 | 7.70 | 6.90 | 47.45 | |
| May ... | 3.36 | 3.90 | 3.90 | 3.85 | 7.10 | 1.60 | 3.20 | 4.20 | 2.60 | 2.70 | 36.41 | |
| June ... | 1.60 | 5.19 | 1.85 | 6.90 | 8.30 | 3.60 | 2.85 | 5.60 | 3.90 | 3.70 | 43.29 | |
| July ... | 2.80 | 3.00 | 9.20 | 9.10 | 0.95 | 5.40 | 10.35 | 5.20 | (5.20) | 8.93 | 60.13 | |
| August ... | 6.65 | 5.80 | 6.10 | 8.10 | 2.30 | 9.60 | (10.80) | 5.15 | 0.90 | 5.70 | 61.10 | |
| September ... | 5.55 | 6.20 | 7.80 | 8.90 | 5.40 | 7.60 | 14.40 | 9.80 | 0.50 | 6.90 | 73.05 | |
| October ... | 2.20 | 6.80 | 3.75 | 11.40 | 5.60 | 5.30 | (7.60) | 9.10 | 11.35 | 6.50 | 69.60 | |
| November ... | 15.44 | (6.15) | 4.35 | 13.20 | 4.60 | 4.85 | 4.94 | 4.25 | 8.80 | 13.35 | 82.93 | |
| December ... | (10.20) | 8.20 | 2.90 | 11.05 | 8.75 | (4.20) | 8.70 | 7.20 | 13.55 | 11.95 | 90.70 | |
| TOTALS ... | 80.83 | (66.39) | 63.35 | 94.95 | 63.05 | (68.20) | 85.76 | 74.80 | 70.40 | 92.08 | 759.81 | 10 |
| | M | H | H | M | M | M | M | M | M | M | | |

29.58 Station overhauled.

4.8.55 " "

1957. np. Too much est.

Jup. II 1959 J.B.O.K. Over-survey N.E. otherwise satisfactory. Surf. well fair.

Oct. 1959 - new contour-fitted - grosser rashes cut.

1960. Jan+Feb small est. Nov/Dec app.

Turf wall round gauge

Position of Station on Ordnance One-Inch map : No. of Map National Grid Reference SN 875 701

| Date. | Lat. N. | Long. | Railway Station. | Distance Direction from gauge | Parish Church. | Distance Direction from gauge. |
|-------|---------|-------|------------------|-------------------------------|----------------|--------------------------------|
| | 40014 | 20024 | | | | |

Summary of Earlier Records from 10-year Sheets :

| Record D, or d | 1910-19 | 1920-30 | 1931-40 | 1941-50 | 1951-60 |
|----------------|---------|---------|----------------------------------|---------|---------|
| | — | — | 1931 H 1932-34 — 1935-40 M | M | |