

RAINFALL at Cott. yr. Huch Birmingham W.WCounty of BirminghamObserver E. Antony Lees EsqRiver Basin Wye 8

Rain Gauge, by _____

| | | | | | | | | | | | |
|--------------|------|------|-------|-------|-------|-------|--------|-------|--------|-------|----------------------------|
| Diameter ... | | | | 5 | | | | | | | |
| Height | | | | 10 | | | | | | | |
| Altitude ... | | | 1775 | | | | | | | | |
| Year ... | 1910 | 1911 | 1912 | 1913 | 1914 | 1915 | 1916 | 1917 | 1918 | 1919 | 1916-19 MEANS Totals |
| January ... | | | 6.50 | 12.15 | 7.50 | 11.80 | 12.89 | 4.47 | 10.73 | 8.85 | 36.94 |
| February ... | | | 5.50 | 4.50 | 11.70 | 14.90 | 11.00 | 2.35 | 10.45 | 5.52 | 25.32 |
| March | | | 13.50 | 13.75 | 14.80 | 3.90 | 14.33 | 5.83 | 5.70 | 10.20 | 36.06 |
| April | | | 12.20 | 12.05 | 3.15 | 4.15 | 9.78 | 5.95 | 2.80 | 9.81 | 28.34 |
| May | | | 2.75 | 5.10 | 6.15 | 5.90 | 5.97 | 6.20 | 4.50 | 2.95 | 19.62 |
| June | | | 7.40 | 6.65 | 3.20 | 2.12 | 5.57 | 3.80 | 4.65 | 7.35 | 21.37 |
| July | | | 6.80 | 2.95 | 7.30 | 8.12 | 5.04 | 3.50 | 7.55 | 3.30 | 19.39 |
| August | | | 16.97 | 5.00 | 7.90 | 6.25 | 6.30 | 21.20 | 4.30 | 6.35 | 38.15 |
| September .. | | | 2.45 | 4.25 | 5.00 | 2.30 | 7.09 | 5.45 | 16.75 | 5.02 | 34.31 |
| October ... | | | 10.85 | 6.75 | 4.50 | 4.17 | 16.44 | 4.41 | 8.60 | 4.17 | 43.62 |
| November .. | | | 10.35 | 13.80 | 12.60 | 6.99 | 7.76 | 11.90 | 8.61 | 7.50 | 35.77 |
| December... | | | 15.65 | 7.75 | 14.00 | 15.85 | 5.55 | 3.20 | 18.00 | 19.88 | 46.63 |
| TOTALS ... | | | 99.92 | 94.60 | 97.80 | 86.45 | 103.72 | 88.26 | 102.64 | 90.90 | 385.52 |

X 38

Jan-May 1912 Roughly Estimated
1916 Feb-Mar separated.

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

RAINFALL at Birmingham W.M. (Con-yr-truck)County of BtconObserver F.W. Macayling, Exp. C.E.River Basin Wye 8

J.W. Wilkinson O H

Cp. Bedford Rain Gauge, by Leslie
No. 43 (19) 500 mm

| | | | | | | | | | | | | | | | | | | | | |
|---------------|--------|-------|-------|----------|----------|---------|-------|--------|--------|---------|--------------|--|--|--|--|--|--|--|--|---------|
| Diameter ... | 5 | | | | | | | | | | | | | | | | | | | |
| Height | 1.0 | | | | | | | | | | | | | | | | | | | |
| Altitude ... | 175 | | | | | | | | | | | | | | | | | | | |
| Year | 1920 | 1921 | 1922 | 1923 | 1924 | 1925 | 1926 | 1927 | 1928 | 1929 | 1930 1931 | | | | | | | | | |
| January ... | 13.32 | 13.57 | 10.25 | 12.00 | (9.63) | 9.23 | 11.10 | 13.30 | 19.17 | 3.66 | (13.50) | | | | | | | | | 128.75 |
| February ... | 8.53 | 7.0 | 12.65 | (19.16) | 3.20 | (16.65) | 6.86 | 8.02 | 10.80 | 1.52 | (.65) | | | | | | | | | 88.74 |
| March | 13.19 | 11.11 | 7.65 | 4.70 | 3.75 | 3.65 | 3.62 | 10.07 | 6.00 | 1.05 | 5.50 | | | | | | | | | 40.29 |
| April | 14.25 | 2.82 | 6.31 | 5.75 | 8.30 | 7.05 | 4.77 | 5.50 | 3.05 | 1.93 | 5.40 | | | | | | | | | 65.13 |
| May | 7.53 | 4.33 | 2.50 | 7.95 | 11.12 | (7.90) | 3.35 | 3.00 | 1.34 | 6.40 | 4.87 | | | | | | | | | 62.29 |
| June | 4.95 | 1.13 | 5.36 | 2.00 | 4.82 | 10 | 4.45 | 10.10 | 10.55 | 5.85 | 3.21 | | | | | | | | | 52.52 |
| July | 10.65 | 5.17 | 9.70 | 8.63 | (10.17) | (6.20) | 9.30 | 8.15 | 5.84 | 6.06 | 10.62 | | | | | | | | | 90.59 |
| August | 4.46 | 10.37 | 7.30 | 9.70 | 11.80 | 7.03 | 9.20 | 16.00 | 9.70 | 6.42 | 9.73 | | | | | | | | | 101.71 |
| September... | 7.80 | 3.79 | 7.55 | 9.02 | (12.33) | 8.20 | 6.12 | 11.25 | 2.84 | 3.13 | 10.90 | | | | | | | | | 82.93 |
| October | 5.94 | 3.77 | 2.88 | (15.34) | (10.89) | (12.51) | 7.55 | 8.50 | 11.92 | 12.13 | (14.12) | | | | | | | | | 106.05 |
| November... | 5.86 | 6.61 | 4.50 | 9.25 | (7.20) | 5.67 | 12.85 | 7.63 | 17.85 | (22.10) | (11.90) | | | | | | | | | 111.12 |
| December... | 8.56 | 11.75 | 11.80 | 12.40 | (15.75) | (9.36) | 3.02 | 4.23 | 7.05 | 18.34 | 10.65 | | | | | | | | | 112.91 |
| TOTALS... | 104.74 | 75.12 | 58.45 | (116.40) | (108.96) | (93.67) | 34.19 | 105.75 | 106.11 | 88.59 | (101.05) | | | | | | | | | 1073.03 |

Inspired Rd. 12.7.21 - ga. full with wind ridge falling 10.4.21 to 5.4.21
on N. Very good mile long 1.6.4.21 road fence

1923 Feb. & Oct. cond. by sun. 4.2.23.

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 | Parish Church. | Distance from gauge | Direction |
|-------|---------|-------|------------------|---------------------|-----------|----------------|---------------------|-----------|
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RAINFALL at Birmingham W.A. (Boro. yr. hsch.)County of BaconObserver J.W. Wilkinson, B.E.River Basin S. WyeH.A. Barnes, Esq. 881940Type of Gauge Caella

873

Feb 1940 Birmingham W.A. 3rd

P.O. 392

Annual Average 47.7 in. based on 14 years obs. un-weighted. Period of average 1881-1915 Ref. Av. W.S.E.

| Diameter | 5. | | | | | | | | | | | |
|-----------|-------|-------|---------|-------|--------|-------|--------|-------|-------|-------|--------|--------|
| Height | 1.0 | | | | | | | | | | | |
| Altitude | 1775 | | | | | | | | | | | |
| Year | 1931 | 1932 | 1933 | 1934 | 1935 | 1936 | 1937 | 1938 | 1939 | 1940 | Means | Totals |
| January | 12.00 | 14.20 | 9.00 | 11.10 | 5.90 | 12.60 | 13.65 | 15.30 | 12.90 | 4.80 | 111.45 | |
| February | 10.20 | .22 | 7.87 | .82 | 12.96 | 4.45 | 13.10 | 6.05 | 9.70 | 5.70 | 71.06 | |
| March | 2.20 | 5.90 | 6.50 | 8.75 | 3.50 | 5.75 | (7.00) | 2.40 | 7.30 | 7.20 | 56.30 | |
| April | 7.42 | 7.90 | 1.96 | 6.15 | 11.20 | 5.10 | 8.80 | 1.20 | 6.00 | 4.50 | 60.23 | |
| May | 7.10 | 7.20 | 2.60 | 4.60 | 2.80 | 3.45 | 3.10 | 5.65 | 1.50 | 2.50 | 40.50 | |
| June | 6.30 | 3.12 | 6.77 | 3.60 | 5.10 | 6.30 | 3.00 | 9.30 | 5.50 | 1.15 | 53.14 | |
| July | 7.90 | 7.80 | 5.50 | 4.30 | 2.33 | 12.70 | 4.50 | 5.90 | 13.25 | 9.40 | 76.58 | |
| August | 8.75 | 2.11 | 2.90 | 11.40 | 3.60 | 2.15 | 2.10 | 4.60 | 4.70 | 2.40 | 44.71 | |
| September | 4.50 | 8.05 | (1.91) | 9.15 | 15.30 | 7.95 | 6.30 | 3.60 | 1.40 | 5.10 | 63.26 | |
| October | 4.65 | 16.33 | (10.97) | 11.70 | 14.95 | 8.50 | (5.65) | 12.80 | 4.50 | 9.85 | 99.90 | |
| November | 15.26 | 8.85 | 2.60 | 4.55 | 12.40 | 10.20 | 2.90 | 16.00 | 19.60 | 16.65 | 109.01 | |
| December | 7.00 | 7.21 | 1.70 | 19.10 | 8.80 | 14.65 | (8.50) | 8.90 | 7.50 | 8.10 | 91.46 | |
| TOTALS | 93.28 | 88.89 | (60.08) | 95.22 | 101.83 | 93.80 | 18.60 | 94.70 | 93.85 | 77.35 | 877.60 | |

* Monthly values adjusted by Mr. Wilkinson 1/1 37
 Inspected 10/8/37 Gauge in fence 15' side with fairly good turf wall at
 sides of gauge. Good exposure. It is recommended that ruin should
 be sunk to 1' and standard turf wall set up in addition.

Turf wall set up 24.9.37. Rim of gauge lowered to 1' in 9/37
 (Footnote B.R. 1937)

1937 Nov. Oct & Dec. adjusted by observer.

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. T.F. 4212

RAINFALL at 5 Birmingham W.W. (Cott. yr. hwh.)

41

County of BaconObserver A. A. R. [unclear] Esq. C.E.River Basin 8 - WyeC. A. R. [unclear] Esq. C.E.Type of Gauge CoaxialAnnual Average 87.2 in. based on 1881-1915 years obs. un-weighted. Period of average 1881-1915 Ref. P.B. 392File No. 46555/26 E370/45

| Diameter | 5 | | | | 465 | 276 | | | | | | |
|-----------|--------|-------|-------|-------|--------|--------|---------|--------|---------|-------|--------|--------|
| Height | 10 | | | | | 1 | | | | | | |
| Altitude | 1775 | | | | | 41 | | | | | | |
| Year | 1941 | 1942 | 1943 | 1944 | 1945 | 1946 | 1947 | 1948 | 1949 | 1950 | Means | Totals |
| January | (5.10) | 8.90 | 13.40 | 10.50 | 6.60 | 10.60 | 7.50 | 24.00 | 6.30 | 8.40 | 98.30 | |
| February | 9.30 | 2.90 | 7.30 | 3.60 | 10.80 | 15.10 | (3.50) | 5.60 | 3.75 | 14.00 | 75.85 | |
| March | 5.50 | 6.20 | 2.25 | .90 | 4.80 | 2.80 | (11.10) | 4.50 | 5.55 | 4.60 | 53.20 | |
| April | 2.55 | 5.30 | 3.50 | 3.40 | 3.50 | 2.80 | 7.40 | 4.50 | 7.50 | 6.80 | 47.25 | |
| May | 5.80 | 10.00 | 8.70 | 3.30 | (5.50) | 4.50 | 4.70 | 4.30 | 7.00 | 3.10 | 56.90 | |
| June | 2.45 | 1.00 | 6.60 | 5.00 | (9.40) | 7.20 | 3.70 | 9.50 | 1.00 | 3.00 | 48.85 | |
| July | 4.50 | 8.00 | 6.10 | 6.25 | 4.30 | 6.20 | 5.80 | 5.30 | 1.45 | 5.90 | 53.80 | |
| August | 11.40 | 7.10 | 7.75 | 4.60 | 5.00 | 12.30 | .70 | 7.50 | 4.50 | 11.60 | 72.45 | |
| September | 1.25 | 6.50 | 9.35 | 7.90 | (6.90) | 11.30 | 4.60 | 9.50 | 3.00 | 16.00 | 76.30 | |
| October | 8.60 | 10.30 | 8.90 | 13.40 | (7.00) | 3.45 | 2.25 | 6.00 | (10.80) | 4.60 | 75.20 | |
| November | 7.60 | 1.55 | 8.50 | 12.90 | 1.50 | 14.90 | 10.70 | 6.50 | 8.00 | 10.30 | 85.45 | |
| December | 8.10 | 14.30 | 5.00 | 9.10 | 8.40 | 9.30 | 8.30 | 15.20 | 13.00 | 7.20 | 99.90 | |
| TOTALS | 72.15 | 82.05 | 87.35 | 80.85 | 73.70 | 100.45 | 75.25 | 102.40 | 74.85 | 92.40 | 841.45 | |
| | M | M | M | M | M | M | M | M | M | M | | |

1941 Jan. value added from map.

1945 May & June affortioned - Sept. & Oct. amended.

26.9.47. Station overhauled. Turf wall renewed. New octapart gauge fixed.

1947. Feb. 7 min. extra for snow by observer

40004

23144

10004

20004

§ Turf wall round gauge.

Position of Station on redlined 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. 4212

TF 9

RAINFALL at 5 Birmingham WW (Case - yr - huch)

51

County of BucknockshireObserver P. A. Risbridge Esq CERiver Basin 8 - WyeType of Gauge 2 - Well OctapentAnnual Average 87.3 in. based on 35 years obs. un-weighted. Period of average 1881 - 1915 Ref. P.B. 39290.79 - 35 - 1916-1950File No. 1916-1950 E 3170/45 P

| | | | | | | | | | | | |
|---------------|-----------------|------------|-------------|-------------|------------|------------|------------|--------------|------------|------------|------------------|
| Diameter ... | 5" | | | | 465 | 276 | | | | | |
| Height ... | 1'0" | | | | | 1 | | | | | |
| Altitude ... | 1775 | | | | | 51 | 1805' | | | | |
| Year ... | 1951 | 1952 | 1953 | 1954 | 1955 | 1956 | 1957 | 1958 | 1959 | 1960 | Means- Totals |
| January ... | 11.90 (10.00) | 3.45 | 6.10 | 7.00 | 11.00 | 10.50 | 10.50 | 11.50 | 12.40 | 95.25 | |
| February ... | (9.30) | 9.00 | 6.00 (8.00) | 4.95 | (2.00) | 9.15 | 12.50 | 1.50 (12.35) | 75.75 | | |
| March ... | (10.00) | 4.70 | 6.00 | 7.00 | 6.50 | 6.00 | 8.00 | 2.50 | 6.60 | 3.50 | 60.30 |
| April ... | 7.80 | 4.50 | 5.50 | 3.30 | 5.50 | 3.00 | 7.0 | 6.00 | 7.60 | 6.00 | 46.90 |
| May ... | 3.80 | 5.70 | 4.70 | 5.00 | 8.70 | 1.95 | 3.75 | 6.00 | 2.30 | 3.00 | 44.90 |
| June ... | 2.00 | 5.60 | 5.20 | 8.60 | 8.50 | 4.75 | 4.00 | 6.50 | 3.90 | 4.40 | 53.45 |
| July ... | 3.20 | 3.60 | 9.20 | 9.10 | 1.50 | 6.00 | 11.00 | 7.10 | 5.50 | 7.30 | 63.50 |
| August ... | 9.40 | 4.80 | 6.50 | 8.50 | 2.00 | 12.20 | 11.10 | 6.00 | 7.0 | 6.00 | 70.40 |
| September ... | 6.50 | 5.90 | 7.60 | 8.60 | 5.50 | 8.50 | 15.00 | 10.60 | 6.0 | 7.50 | 76.30 |
| October ... | 2.00 | 9.25 | 5.70 | 15.50 | 6.40 | 5.75 | 8.50 | 8.80 | 11.70 | 9.20 | 82.80 |
| November ... | 15.50 (5.50) | 8.80 | 15.50 | 5.95 | 5.90 | 4.60 | 5.60 | 10.60 | 15.40 | 93.38 | |
| December ... | 11.50 | 10.80 | 3.50 | 11.50 | 10.50 | 9.50 | 7.40 | 7.10 | 15.10 | 11.90 | 98.80 |
| TOTALS ... | 92.90 M | 82.35 M | 77.45 M | 106.70 M | 73.00 M | 76.65 M | 95.70 M | 87.20 M | 77.30 M | 99.45 M | 861.70 |

Aug 1956. Station rechecked.

Just 11.50/100. 8. 1000. Site worked near dune but good turf-wall.

1960 Feb part test.

30004 40024

20004

20004

5 Turf wall round gauge

Position of Station on Ordnance One-Inch map :

No. of Map.....

National Grid Reference 22/859 600

| 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 |
|-------------------|-------------------------|-----------|------------------------|---------|---------|
| | C 1912 imp 1913-19 - | 1920-30 - | 1931-38 - 1939-40 M | M | |