

RAINFALL at Lechlade St John's Lock

County of Gloucestershire Observer R. A. Swarbrick Esq.
River Basin Thames-Windrush & C. Thame Conservancy

Rain Gauge, by 7

| | | | | | | | | | | | | |
|--------------|------|------|------|--------|-------|-------|-------|-------|-------|-------|--------|------------------|
| Diameter ... | | | | 5 | | | | | | | | |
| Height | | | | 3.2 | | | | | | | | |
| Altitude ... | | | | 239 ft | | | | | | | | |
| Year ... | 1910 | 1911 | 1912 | 1913 | 1914 | 1915 | 1916 | 1917 | 1918 | 1919 | MEANS. | Totals. 16-19 |
| January ... | | | | 3.22 | .37 | 2.92 | 1.18 | 1.06 | 2.61 | 2.90 | | 7.75 |
| February ... | | | | 1.03 | 1.97 | 2.52 | 3.65 | 1.12 | 1.25 | 2.31 | | 8.33 |
| March | | | | 2.58 | 3.53 | 1.02 | 3.81 | 2.03 | .84 | 3.84 | | 10.52 |
| April | | | | 3.10 | .82 | .91 | .87 | 1.10 | 2.93 | 1.88 | | 6.78 |
| May | | | | 1.80 | .91 | 3.07 | 1.82 | 2.71 | 1.86 | .78 | | 7.17 |
| June..... | | | | .51 | 1.91 | .90 | 1.62 | 3.13 | .70 | 1.70 | | 7.15 |
| July | | | | 1.62 | 3.15 | 3.77 | 1.08 | 2.84 | 3.67 | 2.16 | | 9.74 |
| August..... | | | | .73 | 1.79 | 2.91 | 3.54 | 4.88 | 1.58 | 2.43 | | 12.43 |
| September .. | | | | 2.25 | .88 | 1.60 | .94 | 1.83 | 4.41 | 1.59 | | 8.77 |
| October ... | | | | 2.90 | 2.05 | 3.58 | 4.39 | 3.80 | 1.38 | 1.32 | | 10.59 |
| November .. | | | | 2.09 | 4.23 | .75 | 2.75 | .82 | 1.76 | 1.19 | | 6.52 |
| December... | | | | .98 | 4.62 | 4.30 | 3.31 | 1.32 | 2.27 | 3.84 | | 10.74 |
| TOTALS ... | | | | 22.81 | 26.23 | 28.11 | 28.96 | 26.34 | 25.26 | 25.93 | | 106.49 428 |

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

RAINFALL at Lechlade (St. John's Lock)

County of Gloucester.

Observer Rev. Scoatbrick Esq.
Thomas Cosserancy, M.A., F.R.S.

River Basin - Windrush.

Rain Gauge, by _____

| Diameter ... | 5 | | | | | | | | 5 | | 5 |
|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Height | 2.2 | | | | | | | 1.0 | | 1.7 | |
| Altitude ... | 239 | | | | | | | 236 | | 237 | |
| Year | 1920 | 1921 | 1922 | 1923 | 1924 | 1925 | 1926 | 1927 | 1928 | 1929 | MEAN. |
| January ... | 2.15 | 2.25 | 2.01 | 1.30 | 3.32 | 1.65 | 3.91 | 3.02 | 3.82 | 1.03 | 3.83 |
| February ... | 0.69 | 1.43 | 2.67 | 3.52 | 2.7 | 3.07 | 2.20 | 3.68 | 2.35 | 6.65 | .54 |
| March | 1.72 | 1.96 | 1.98 | 2.09 | 1.75 | 1.23 | 1.77 | 2.66 | 1.23 | 1.15 | 1.55 |
| April..... | 4.64 | 1.04 | 2.66 | 1.91 | 2.07 | 1.05 | 2.12 | 1.70 | .81 | 1.11 | 2.27 |
| May | 3.09 | 1.36 | 1.00 | 1.04 | 5.14 | 14.08 | 3.05 | 1.15 | 1.71 | 1.55 | 1.29 |
| June | 2.38 | 1.42 | 1.51 | 2.29 | 2.44 | 1.09 | 3.13 | 3.38 | 2.59 | 1.02 | 1.48 |
| July | 4.52 | 1.18 | 3.53 | 1.50 | 3.23 | 3.31 | 2.14 | 3.35 | 3.01 | 1.27 | 3.02 |
| August | 0.88 | 1.20 | 1.06 | 2.22 | 2.44 | 3.34 | 1.68 | 4.11 | 1.96 | 1.89 | 2.06 |
| September... | 1.41 | 1.60 | 1.25 | 2.48 | 4.12 | 3.27 | 1.47 | 6.41 | 1.99 | 1.40 | 3.46 |
| October..... | 2.59 | 1.43 | .75 | 4.01 | 3.49 | 2.90 | 2.28 | 1.52 | 3.82 | 3.38 | 1.73 |
| November... | 0.60 | 1.88 | 1.34 | 1.02 | 1.61 | 1.64 | 5.54 | 2.47 | 2.76 | 5.73 | 3.38 |
| December... | 1.86 | 1.34 | 2.66 | 2.76 | 4.29 | 2.78 | 1.51 | 3.02 | 2.71 | 5.31 | 3.22 |
| TOTALS. | 26.52 | 14.09 | 25.42 | 24.14 | 33.17 | 27.41 | 28.80 | 36.47 | 26.76 | 23.49 | 27.83 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

1923. shed 15' high, roof to S.

1928. Jan. 1. Lg. raised from 3' 1½ to 5' 0" in same shot.

Inspected 1930 see Green file.

1930. 21. Oct. New Lg. in improved position as recommended by Dr. Glashoff

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 |
|---------|---------|-------|------------------|---------------------|----------------------|----------------|---------------------|
| Present | | | Lechlade. | | | Lechlade | |

RAINFALL at Lechlade (St. John's Lock)County of Gloucestershire Observer Thames Conservancy
River Basin Thames-Windrush &c-7

Type of Gauge.....

Annual Average 24.2 in. based on 17 years obs., wet-weighted. Period of average 1881-1912 Ref. No.

660626/26.

| Diameter | 5 | | | | | | | | | | | Totals, Months |
|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------------------|
| Height | 17 | | | | | | | | | | | 10 |
| Altitude | 237 | | | | | | | | | | | |
| Year | 1931 | 1932 | 1933 | 1934 | 1935 | 1936 | 1937 | 1938 | 1939 | 1940 | | |
| January | 1.35 | 2.08 | 1.64 | 1.86 | .53 | 2.95 | 3.54 | 2.80 | 4.52 | 2.87 | 24.14 | |
| February | 1.75 | .12 | 3.16 | .19 | 1.93 | 1.72 | 4.58 | .84 | .98 | 2.00 | 17.29 | |
| March | .16 | 1.86 | 2.77 | 1.70 | .45 | 1.87 | 2.43 | .25 | 1.41 | 2.10 | 15.05 | |
| April | 2.95 | 2.61 | 1.29 | 2.14 | 3.46 | 1.05 | 3.02 | .05 | 3.25 | 1.76 | 21.58 | |
| May | 4.47 | 6.01 | 1.15 | .73 | 1.45 | .59 | 2.50 | 1.80 | 1.34 | 1.86 | 21.90 | |
| June | 3.49 | .93 | 2.08 | 1.45 | 3.54 | 2.00 | 1.63 | 1.10 | 1.92 | .60 | 18.74 | |
| July | 2.96 | 2.99 | 1.64 | 1.45 | .68 | 4.51 | 1.82 | 1.68 | 4.88 | 2.90 | 25.51 | |
| August | 2.95 | 1.80 | 1.87 | 1.41 | 1.61 | .34 | .54 | 3.78 | 1.57 | .09 | 14.96 | |
| September | 1.52 | 3.27 | 3.23 | 1.51 | 4.43 | 2.47 | 1.99 | 2.77 | 1.59 | 1.08 | 23.86 | |
| October | .66 | 4.66 | 2.14 | 1.39 | 4.41 | 1.61 | 3.33 | 3.17 | 3.90 | 2.69 | 27.96 | |
| November | 3.23 | 1.62 | 0.71 | 1.70 | 4.65 | 2.95 | 1.22 | 2.77 | 4.62 | .19 | 30.66 | |
| December | 1.15 | .63 | 0.47 | 4.77 | 2.95 | 2.59 | 1.87 | 2.32 | 1.75 | 1.17 | 19.67 | |
| TOTALS | 26.64 | 28.08 | 21.67 | 20.30 | 30.09 | 24.65 | 28.52 | 23.33 | 31.73 | 26.31 | 261.32 | 44ff |
| D. | 3 | D | D | D | D | D | D | D | D | D | | |

Site seen Oct. 1933 & 30th October. The gauge was afterwards removed to a better site, less exposed than the former one.

† Vide letter from Thames Conservancy, Oct. 4/31.

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. 2201

41

RAINFALL at Lechlade (St. John's Lock)

County of Gloucestershire Observer Thames Conservancy

River Basin Thames-Windrush &c.t

Type of Gauge M.R.

Annual Average 24.3 in. based on 17 years obs. un-weighted. Period of average 1881-1915 Ref. S

File No. 660626/26

| Diameter | 5" | | 251 | 529 | | | | | | | |
|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------------|
| Height | 1' 7" | | | 1 | | | | | | | |
| Altitude | 237 | | | 41 | | | | | | | |
| Year | 1941 | 1942 | 1943 | 1944 | 1945 | 1946 | 1947 | 1948 | 1949 | 1950 | Means |
| January | 2.88 | 3.14 | 4.33 | 1.67 | 1.75 | 1.89 | 1.42 | 5.06 | 1.07 | .44 | Totals 23.65 |
| February | 2.54 | .75 | .93 | .89 | 2.04 | 2.33 | 1.33 | 1.08 | .97 | 4.46 | 17.32 |
| March | 2.87 | 2.08 | 1.06 | .33 | .90 | .92 | 6.22 | .93 | 1.00 | .98 | 17.77 |
| April | 1.01 | 1.08 | .70 | 1.83 | 1.05 | 1.55 | 2.40 | 2.02 | 1.42 | 1.98 | 15.04 |
| May | 1.23 | 4.40 | 2.58 | .62 | 2.32 | 3.50 | 1.59 | 4.16 | 2.50 | 2.50 | 25.40 |
| June | 1.82 | .23 | 1.62 | 1.66 | 3.32 | 2.91 | 1.41 | 1.65 | .43 | 1.54 | 16.57 |
| July | 2.20 | 1.82 | 1.23 | 2.14 | 1.90 | 1.01 | 2.30 | 1.20 | 2.82 | 3.91 | 20.53 |
| August | 3.36 | 3.36 | 2.23 | 1.86 | 2.26 | 5.06 | .44 | 3.59 | 1.74 | 3.31 | 27.21 |
| September | .74 | 1.62 | 1.13 | 2.44 | 1.60 | 3.01 | 1.38 | 2.03 | 2.02 | 3.45 | 19.42 |
| October | 1.47 | 3.20 | 2.90 | 3.46 | 3.34 | .98 | .39 | 2.80 | 5.72 | .62 | 24.88 |
| November | 2.49 | 2.11 | 1.65 | 4.41 | .26 | 4.92 | 1.41 | 1.58 | 2.97 | 4.86 | 26.66 |
| December | 1.69 | 3.64 | .97 | 1.48 | 3.62 | 1.68 | 1.94 | 3.46 | 1.14 | 1.63 | 21.25 |
| * TOTALS | 24.30 | 27.43 | 21.33 | 22.79 | 24.36 | 29.76 | 22.23 | 29.56 | 24.30 | 29.68 | 255.74 40.6 |

1948 House 24' high. 60' N., Shed 6' high, 50' E by S., Shed 8' high 56' E by N.

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 | Parish Church. | Distance from gauge | Direction |
|-------|---------|-------|------------------|---------------------|-----------|----------------|---------------------|-----------|
| 1948. | | | Lechlade | 1 m. | N. | Lechlade | 1/2 m. | W. |

BRITISH RAINFALL ORGANIZATION

Station No. 2201

M ✓

RAINFALL at Lechlade (St. John's Lock)

51

County of Gloucester

Observer Thames Conservancy

River Basin Thames-Windrush 0.6-7

Type of Gauge M.O.

Annual Average 24.3 in. based on 17 years obs. un-weighted. Period of average 1881-1915 Ref. S
 26.22. " 35 " 1916-1950 P
 File No. 660 626/36

| Diameter ... | 5" | | | 251 | 509 | | | | | | |
|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------------|
| Height ... | 1' 6" | 17" | | | | 1 | | | | | |
| Altitude ... | 237 | | | | | 51 | | | | | |
| Year ... | 1951 | 1952 | 1953 | 1954 | 1955 | 1956 | 1957 | 1958 | 1959 | 1960 | Means Total |
| January | 2.78 | 1.76 | .70 | 1.45 | 2.24 | 3.49 | 2.05 | 2.85 | 3.98 | 4.02 | 25.32 |
| February | 3.50 | 1.49 | 1.19 | 2.35 | 1.54 | .16 | 3.35 | 3.31 | .08 | 2.09 | 18.06 |
| March | 3.80 | 2.45 | .98 | 2.40 | 1.43 | .36 | 2.30 | 1.13 | 2.93 | 1.18 | 18.96 |
| April | 2.49 | 1.66 | 1.67 | .27 | .48 | 1.76 | .33 | .79 | 2.66 | 0.89 | 13.00 |
| May | 2.52 | 2.72 | 1.69 | 1.89 | 4.05 | .24 | 1.70 | 2.48 | .72 | 1.57 | 19.58 |
| June | 1.19 | 1.56 | 1.41 | 3.64 | 2.91 | 2.37 | 1.54 | 3.91 | .93 | 3.73 | 23.19 |
| July | .95 | .30 | 2.57 | 1.81 | .23 | 2.20 | 2.47 | 2.50 | 1.85 | 3.37 | 18.25 |
| August | 4.91 | 5.31 | 2.98 | 3.57 | .63 | 4.51 | 3.31 | 3.23 | 2.40 | 2.65 | 33.50 |
| September | 3.04 | .97 | 2.23 | 2.22 | .71 | 3.91 | 3.04 | 3.52 | .26 | 3.76 | 23.66 |
| October | 1.12 | 4.09 | 2.92 | 2.31 | 1.46 | 2.16 | 2.04 | 2.51 | 1.62 | 5.72 | 25.94 |
| November | 5.47 | 3.79 | 1.05 | 4.73 | 1.37 | .81 | 1.79 | 2.69 | 1.73 | 4.65 | 28.08 |
| December | 2.04 | 2.14 | .60 | 1.86 | 3.04 | 4.47 | 1.91 | 3.58 | 5.15 | 4.10 | 28.89 |
| TOTALS | 33.81 | 27.24 | 19.99 | 28.50 | 20.09 | 26.43 | 25.83 | 32.50 | 24.31 | 37.73 | 276.43 |
| | D | D | D | D | D | D | D | D | D | D | |

Position of Station on Ordnance One-Inch map :

No. of Map

National Grid Reference 54/41 222991

| Date. | Lat. N. | Long. | Railway Station. | Distance from gauge | Direction | Parish Church. | Distance from gauge. |
|-------|---------|-------|------------------|---------------------|-----------|----------------|----------------------|
| 1957 | | | Lechlade | 1 m. | N. | Lechlade | 2 m. w. |

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 |
|----------------|----------|---------|---------|---------|---------|
| | e 1913 ✓ | ✓ | ✓ | ✓ | ✓ |