

RAINFALL at Usk, Monmouthshire Agricultural Inst.

County of Monmouth

Observer S. H. Purvis Esq.

River Basin Usk or C. 3.

The Principal

(1926) M.O. Rain Gauge, by _____

| Diameter ... | | | | 5 | 8 | | | | | | |
|--------------|------|------|------|------|-------|-------|-------|-------|-------|-------|----------------|
| Height | | | | 1.0 | | | | | | | |
| Altitude ... | | | | 71 | | | | | | | |
| Year | 1920 | 1921 | 1922 | 1923 | 1924 | 1925 | 1926 | 1927 | 1928 | 1929 | MEANS. 1926 |
| January ... | | | | | 5.04 | 4.68 | 6.83 | 4.08 | 7.31 | 1.53 | 8.52 |
| February ... | | | | | 4.48 | 5.57 | 2.40 | 3.88 | 3.68 | 1.14 | 0.64 |
| March | | | | | 1.72 | .57 | .35 | 3.45 | 4.24 | .39 | 3.19 |
| April..... | | | | | 3.47 | 2.42 | 2.65 | 1.12 | 1.08 | .72 | 3.32 |
| May | | | | | 5.08 | 4.40 | 2.17 | .59 | .72 | 3.36 | 1.51 |
| June | | | | | 2.30 | .03 | 1.71 | 3.78 | 2.47 | 2.26 | 0.71 |
| July | | | | | 5.62 | 2.30 | 2.35 | 5.31 | 2.20 | 1.76 | 3.88 |
| August | | | | | 3.89 | 6.20 | 3.09 | 4.59 | 2.15 | 2.27 | 4.00 |
| September... | | | | | 6.07 | 5.14 | .82 | 5.48 | 1.07 | .55 | 4.05 |
| October..... | | | | | 6.01 | 4.44 | 3.41 | 3.53 | 8.06 | 6.25 | 4.43 |
| November... | | | | | 3.50 | 2.02 | 9.84 | 3.51 | 5.56 | 12.75 | 4.73 |
| December... | | | | | 7.06 | 4.10 | .39 | 4.30 | 4.46 | 10.50 | 5.46 |
| TOTALS... | | | | | 50.24 | 41.87 | 36.01 | 43.62 | 43.00 | 43.48 | 44.44 |
| | | | | | D. |

Free Exposure with other apparatus at the Meteorological Station.

Position of Station on reduced Ordnance Survey } No. of Map _____ Reference No. _____
Map, 2 miles to 1 inch Series

| Date. | Lat. N. | Long. | Railway Station. | Distance from gauge | Direction | Parish Church. | Distance from gauge | Direction |
|-------|-----------|----------|------------------|---------------------|-----------|----------------|---------------------|-----------|
| 1926 | 51° 42' N | 2° 55' W | USK. G.W.R. | 1 MILE | 55.E. | USK | 1/2 M. | S |

RAINFALL at usk *(approximate geographical position)* M.W.R.County of MonmouthObserver Monmouth Agric. Instn.River Basin 3.450 sq. m.

Type of Gauge.....

Annual Average.....in. based on.....years obs. un-weighted. Period of average.....Ref.....

| Diameter | 5. | | | | | | | | | | | |
|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--|
| Height | 1.0. | | | | | | | | | | | |
| Altitude | 70 | | | | | | | | | | | |
| Year | 1931 | 1932 | 1933 | 1934 | 1935 | 1936 | 1937 | 1938 | 1939 | 1940 | Means | |
| January | 2.56 | 6.92 | 3.36 | 4.84 | .84 | 5.43 | 7.69 | 4.42 | 7.41 | 3.25 | 4.672 | |
| February | 2.28 | .07 | 3.86 | .48 | 3.50 | 2.92 | 7.59 | 1.13 | 2.30 | 4.12 | 2.825 | |
| March | .85 | 2.28 | 4.36 | 4.04 | 74 | 3.20 | 5.31 | .03 | 1.53 | 2.54 | 2.49 | |
| April | 3.16 | 3.61 | 1.85 | 3.19 | 4.91 | 3.00 | 3.07 | .06 | 3.53 | 2.23 | 2.861 | |
| May | 5.84 | 5.46 | 2.74 | 2.41 | .98 | 1.20 | 2.28 | 3.13 | 0.75 | 2.91 | 2.772 | |
| June | 4.43 | 2.19 | 2.00 | 1.55 | 4.61 | 4.04 | 1.44 | 1.51 | 1.98 | .78 | 2.653 | |
| July | 2.93 | 3.34 | 1.94 | .77 | .64 | 8.38 | 3.25 | 3.38 | 6.26 | 4.15 | 3.504 | |
| August | 6.20 | 1.47 | 0.87 | 2.71 | 1.87 | .25 | 1.26 | 2.71 | 2.02 | .13 | 1.899 | |
| September | 1.41 | 4.18 | 1.72 | 2.78 | 5.23 | 2.93 | 1.52 | 1.66 | 1.13 | .91 | 2.347 | |
| October | .46 | 7.07 | 4.62 | 2.71 | 5.52 | 1.86 | 4.43 | 3.28 | 2.79 | 6.90 | 3.964 | |
| November | 9.14 | 2.00 | 0.85 | 1.63 | 6.30 | 3.49 | 1.85 | 5.31 | 6.86 | 6.89 | 4.432 | |
| December | 2.39 | 2.98 | 1.28 | 1.054 | 3.63 | 6.40 | 3.15 | 4.99 | 1.69 | 1.43 | 3.331 | |
| TOTALS | 41.65 | 41.57 | 29.45 | 37.68 | 38.27 | 43.10 | +2.84 | 31.61 | 38.25 | 36.24 | 38.056 | |

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

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

Station No.

4021

RAINFALL at

Usk

(M.W.R. 270) 41

County of MonmouthObserver Monmouth Agric InstituteRiver Basin 3 - Usk &c.

Type of Gauge.....

Annual Average..... in. based on years obs. un-weighted. Period of average..... Ref.....

NOTE CHANGE IN DESIGNATION

NO CHANGE IN STATION NO. File No.

| Diameter | <u>485.337</u> <u>5</u> | <u>485.337</u> | | | | | | | | | |
|-----------|----------------------------|------------------|-------------|-------------|-------------|----------|----------|----------|----------|----------|---------|
| Height | <u>3 1/2</u> <u>± 2</u> | <u>1</u> | | | | | | | | | |
| Altitude | <u>70 41</u> | <u>FROM 1942</u> | <u>41</u> | | | | | | | | |
| Year | 1941 | 1942 | 1943 | 1944 | 1945 | 1946 | 1947 | 1948 | 1949 | 1950 | Means |
| January | <u>5.38</u> | 4.84 | 9.56 | <u>4.15</u> | (3.81) | 5.69 | 3.99 | 7.91 | 1.38 | .98 | 4.7 .72 |
| February | <u>4.27</u> | .39 | 2.23 | <u>.63</u> | 4.89 | 3.16 | 2.35 | 2.07 | 2.14 | 8.74 | 3.0 .93 |
| March | <u>2.71</u> | 3.54 | 1.30 | (.21) | 1.79 | 1.31 | 10.29 | 2.12 | 1.38 | 2.74 | 2.7 .45 |
| April | <u>1.05</u> | 3.21 | 1.25 | (2.33) | 1.87 | 2.01 | 4.65 | 2.49 | 2.85 | 2.27 | 2.4 .98 |
| May | <u>1.98</u> | (6.35) | 5.96 | (.65) | (3.50) | N.O. | 4.55 | 3.36 | 4.11 | 3.76 | 2.03 |
| June | <u>1.89</u> | .67 | 2.03 | <u>2.63</u> | (4.59) | 3.41 | 2.36 | 2.80 | .76 | 1.36 | |
| July | <u>3.80</u> | 3.40 | 1.85 | (3.00) | 3.53 | 1.06 | 2.05 | .97 | 1.43 | 4.34 | |
| August | <u>5.31</u> | (4.89) | 2.48 | (3.50) | 5.46 | 5.66 | 1.30 | 3.94 | 1.89 | 5.37 | |
| September | <u>.93</u> | 2.42 | (2.87) | (5.15) | 2.89 | 5.98 | 1.54 | 3.54 | 2.24 | 4.80 | |
| October | <u>1.87</u> | 1.97 | (2.95) | 4.88 | 4.38 | 1.32 | .79 | 4.40 | 2.82 | 2.07 | |
| November | <u>2.60</u> | .92 | 3.03 | 8.03 | .74 | 7.63 | 3.48 | 2.04 | 3.87 | 5.59 | |
| December | <u>3.47</u> | 4.85 | (2.46) | <u>3.31</u> | (6.88) | 5.16 | 2.97 | 7.07 | 2.65 | 2.17 | |
| TOTALS | <u>35.32</u> | (37.18) | (37.97) | (38.53) | .. | 46.94 | 39.13 | 43.46 | 34.17 | 42.46 | |
| | <u>D</u> | <u>D</u> | <u>n.p.</u> | <u>n.p.</u> | <u>imp.</u> | <u>D</u> | <u>D</u> | <u>D</u> | <u>D</u> | <u>D</u> | |

1943. n.p. values for Sept. Oct & Dec unreliable.
 1944 n.p. too much estimation, March - May July & Sept pl. got'd.
 1945. May & Dec. no reliable obs. available. Jan & June considerable amendment's estimation.
 1950. Estimation good. Gauge battered & with a small leak in the barrel. Rain at 6".
 To be repaired & reset.

04804 00154 16704 43017

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

Station No. 4021

M.W.R.

RAINFALL at Usk

County of MONMOUTHSHIRE

Observer MONMOUTH AGRIC. INSTITUTE

River Basin 3 - Usk & C

Type of Gauge.

Annual Average..... in. based on..... years obs. un-weighted. Period of average..... Ref.....
 39.67 " " 21 " 1926-1940, 1951-1956 1916-1950 P
 File No.....

| Diameter | 5' | | | 485 | 337 | | | | | 5' | |
|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Height | 10' | | | | | 3 | | | | 10' | |
| Altitude | 70' | | | | | 51 | | | | 70' | |
| Year | 1951 | 1952 | 1953 | 1954 | 1955 | 1956 | 1957 | 1958 | 1959 | 1960 | Means |
| January | 5.00 | 4.09 | .83 | 2.42 | 4.38 | 5.69 | 4.93 | 4.64 | 6.30 | 5.79 | |
| February | 5.04 | 5.7 | 1.67 | 4.18 | 2.10 | 4.45 | 5.92 | 6.60 | .32 | 4.68 | |
| March | 4.14 | 2.27 | 1.53 | 4.77 | 2.96 | .89 | 4.72 | 1.25 | 3.82 | 2.57 | |
| April | 2.85 | 3.40 | 4.62 | 2.1 | 1.61 | 1.94 | .14 | .54 | 3.61 | 2.92 | |
| May | 3.64 | 3.92 | 3.28 | 2.54 | 6.17 | 1.06 | 2.08 | 3.65 | 2.32 | 2.00 | |
| June | 1.36 | 1.86 | 3.71 | 5.30 | 4.73 | 2.18 | .80 | 4.02 | 1.63 | 2.17 | |
| July | 1.09 | 2.39 | 4.21 | 1.75 | .11 | 4.35 | 4.25 | 2.79 | 4.69 | 3.76 | |
| August | 5.03 | 5.68 | 3.19 | 4.38 | .62 | 3.26 | 2.96 | 3.16 | 1.55 | 4.56 | |
| September | 4.81 | 2.77 | 4.13 | 4.8 | 1.40 | 5.08 | 5.07 | 7.70 | .04 | 4.37 | |
| October | 1.02 | 5.17 | 3.73 | 5.75 | 2.36 | 2.17 | 3.00 | 4.45 | 2.97 | 9.92 | |
| November | 8.61 | 3.92 | 2.48 | 9.20 | 7.18 | .93 | 2.73 | 2.02 | 6.67 | 10.04 | |
| December | 4.91 | 2.99 | 1.51 | 3.83 | 6.99 | 5.99 | 2.88 | 4.52 | 11.87 | 5.87 | |
| TOTALS | 66.80 | 39.03 | 34.89 | 49.14 | 39.51 | 33.99 | 39.08 | 45.34 | 45.81 | 58.65 | |
| | D | D | D | D | D | D | D | D | D | D | |

1960 Rep. 1/2/60. W.H. Hogg manufacturing exposure unit gauge is taken over (L.W.D. and recommended)

Position of Station on Ordnance One-Inch map : No. of Map National Grid Reference 50/368018

| Date. | Lat. N. | Long. | Railway Station. | Distance from gauge | Direction | Parish Church. | Distance 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 1926 D 1926-30 | 1921 D 1972 - 1933-38 D 1939 D 1940 D | D | N.P. |