

RAINFALL at Marthys Mawr

County of Glamorgan  
River Basin Ogmore & C 5

Observer Meteorological Office  
L. G. J. Nicholls & pm M.O.

Rain Gauge, by \_\_\_\_\_

| Diameter ... |           |       |       |       |       |                                |       |       |       |        |                             |
|--------------|-----------|-------|-------|-------|-------|--------------------------------|-------|-------|-------|--------|-----------------------------|
| Height ..... |           |       |       |       |       |                                |       |       |       |        |                             |
| Altitude ... | <u>74</u> |       |       |       |       |                                |       |       |       |        |                             |
| Year ...     | 1910      | 1911  | 1912  | 1913  | 1914  | 1915                           | 1916  | 1917  | 1918  | 1919   | 1910-19<br>M.BANK<br>Totals |
| January ...  | 1.25      | 5.33  | 7.07  | 2.31  | 4.64  | 2.83                           | 2.13  | 4.62  | 5.75  | 15.33  | /                           |
| February ... | 3.59      | 2.82  | 1.36  | 3.58  | 5.87  | 6.02                           | 2.48  | 3.15  | 5.07  | 16.72  | ✓                           |
| March .....  | 2.26      | 6.23  | 5.86  | 6.76  | 1.29  | 3.27                           | 2.36  | 1.82  | 5.77  | 13.22  | ✓                           |
| April .....  | 1.95      | .31   | 4.74  | 2.44  | 1.55  | 2.56                           | 1.85  | 2.56  | 1.94  | 8.91   | ✓                           |
| May .....    | 2.41      | 1.54  | 2.47  | 2.26  | 2.30  | 3.30                           | 3.90  | 1.89  | 1.52  | 10.41  | ✓                           |
| June.....    | 2.49      | 7.10  | 2.30  | 2.72  | 1.93  | 2.64                           | 3.31  | 1.78  | 1.54  | 9.27   | ✓                           |
| July .....   | 0.27      | 3.87  | .60   | 6.28  | 5.24  | 1.65                           | 4.46  | 4.18  | 1.93  | 12.22  | ✓                           |
| August.....  | 1.87      | 10.07 | 1.28  | 4.37  | 1.84  | 3.46                           | 8.92  | 3.28  | 2.42  | 18.08  | ✓                           |
| September .. | 3.05      | 1.14  | 3.10  | 2.52  | 2.15  | 3.54                           | 3.19  | 12.33 | 2.58  | 21.64  | .                           |
| October ...  | 3.61      | 5.35  | 4.07  | 3.23  | 4.94  | 9.83                           | 6.08  | 3.54  | 2.05  | 21.50  | ✓                           |
| November..   | 4.93      | 3.87  | 6.79  | 4.14  | 2.99  | 2.87                           | 3.08  | 4.62  | 3.67  | 14.24  | ✓                           |
| December...  | 7.90      | 6.49  | 2.30  | 6.07  | 8.04  | 3.58                           | 1.26  | 7.38  | 8.13  | 20.35  | ✓                           |
| TOTALS ...   | 35.58     | 54.12 | 41.95 | 46.98 | 42.68 | 45 <sup>5</sup> / <sub>5</sub> | 43.02 | 51.15 | 42.17 | 181.89 | X                           |
|              | D         | D     | D     | D     | D     | D                              | D     | D     | D     |        |                             |

1911-15 Daily rainfall in mm, bound volume, shelf no. 5, R.14.

BP

1916. Total corr. for error.

27.9.52. Bel.

| Date. | Lat. N. | Long. | Railway Station. | Distance. | Direction. | Church. | Distance. | Direction. |
|-------|---------|-------|------------------|-----------|------------|---------|-----------|------------|
| 51.29 | 3.36. W |       |                  |           |            |         |           |            |

RAINFALL at Merthyr MawrCounty of GlamorganObserver Lieut. Col. J.D. NichollRiver Basin Glynn - 5

Rain Gauge, by \_\_\_\_\_

| Diameter ...                 | 8"   |      |      | 5     |       |       | 5     |       |       |       |                   |
|------------------------------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------------------|
| Height .....                 | 10"  |      |      |       |       |       | 1 6   |       |       |       |                   |
| Altitude ...                 | 744  | 70   | 75   |       |       |       | 75    |       |       |       |                   |
| Year .....                   | 1920 | 1921 | 1922 | 1923  | 1924  | 1925  | 1926  | 1927  | 1928  | 1929  | MEANS.<br>1920-30 |
| January ...                  | 5.12 | 6.48 | 4.00 | 4.65  | 5.70  | 4.06  | 6.89  | 5.23  | 7.96  | 2.51  | 6.06              |
| February ...                 | 2.09 | 2.25 | 4.16 | 8.97  | 7.79  | 6.01  | 3.83  | 3.34  | 4.44  | 1.53  | .69               |
| March .....<br><i>(4.40)</i> | 5.50 | 3.53 |      | 2.26  | 2.81  | 1.19  | .83   | 3.59  | 4.25  | 1.26  | 2.57              |
| April.....                   | 5.39 | 1.24 | 3.20 | 3.68  | 3.30  | 3.10  | 2.14  | 2.04  | 1.57  | 1.04  | 3.53              |
| May .....                    | 3.55 | 2.21 | 1.85 | 3.03  | 3.83  | 5.27  | 2.37  | 1.61  | 0.97  | 3.00  | 3.34              |
| June .....                   | 3.18 | 1.13 | 1.49 | 7.70  | 2.51  | 2.20  | 2.12  | 3.45  | 4.10  | 2.76  | .96               |
| July .....                   | 6.26 | 1.87 | 5.08 | 2.74  | 6.43  | 3.86  | 3.23  | 4.89  | 2.17  | 3.04  | 3.42              |
| August .....                 | 3.02 | 3.64 | 4.35 | 4.55  | 7.74  | 5.85  | 4.17  | 5.16  | 3.66  | 4.11  | 7.82              |
| September...                 | 3.49 | 3.41 | 3.70 | 4.33  | 6.03  | 5.41  | 2.40  | 7.07  | 1.99  | 1.30  | 6.38              |
| October.....                 | 3.60 | 2.31 | 7.72 | 6.92  | 5.53  | 5.69  | 3.23  | 2.97  | 8.44  | 5.85  | 7.45              |
| November...                  | 2.67 | 3.77 | 1.89 | 3.93  | 4.12  | 2.51  | 8.41  | 4.31  | 4.95  | 9.95  | 6.14              |
| December...                  | 5.07 | 3.54 | 6.80 | 5.63  | 6.03  | 3.65  | 2.47  | 2.78  | 4.62  | 6.43  | 6.16              |
| TOTALS                       | 49.2 | 43.2 | 18   | 41.64 | 51.45 | 54.84 | 47.08 | 40.09 | 46.44 | 49.12 | 42.78             |
|                              | D    | D    | D    | D     | D     | D     | D     | D     | D     | D     | D                 |

1921. *Buckets 70 ft. 2 ft. 40 ft. w.*1922. *Bucket cov. for snow*1923. *Wall 8 ft high 12.72 m.  
10" = 26" = E.*1930. *6. read in winter 9 a.m.**... Summer 8 ...*

| 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 |
| 1920.  | 51°29' 3°56' N | 18°   | Bridgend<br>G.M.A. | 2 m. N.E.           | Merthyr Mawr         |

RAINFALL at *Merthyr Tydfil*County of *Glamorgan*Observer *Col. J. D. Nicholl (1931)*River Basin *5-Ogmore &c.**R. J. Nicholl Esq.*

Type of Gauge

Annual Average 42.9 in. based on 11 years obs. un-weighted. Period of average 1881-1910 Ref. S

842263/28

| Diameter  | 5.    | Height | 1.0   | Altitude | 300   | Year  | 1931  | 1932  | 1933  | 1934  | 1935  | 1936 | 1937 | 1938 | 1939 | 1940 | (1931-40)<br>Means<br>Totals |
|-----------|-------|--------|-------|----------|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|------------------------------|
| January   | 3.98  | 4.71   | 2.68  | 4.01     | 1.29  | 5.21  | 4.66  | 5.96  | 6.31  | 4.91  | 4.342 |      |      |      |      |      |                              |
| February  | 5.08  | 1.11   | 3.71  | .96      | 3.50  | 2.06  | 7.71  | 1.85  | 2.43  | 4.68  | 32.09 |      |      |      |      |      |                              |
| March     | 1.61  | 2.07   | 3.51  | 3.00     | 1.37  | 3.93  | 2.47  | 1.87  | 1.83  | 3.26  | 24.12 |      |      |      |      |      |                              |
| April     | 3.46  | 2.95   | 2.80  | 3.42     | 6.04  | 3.04  | 3.92  | 3.30  | 1.61  | 3.31  | 33.65 |      |      |      |      |      |                              |
| May       | 4.83  | 5.45   | 2.24  | 1.78     | 1.97  | 1.56  | 2.20  | 3.93  | 1.12  | 1.74  | 26.82 |      |      |      |      |      |                              |
| June      | 4.28  | 2.03   | 2.31  | 1.72     | 3.17  | 3.52  | 1.66  | 3.03  | 2.91  | .73   | 25.36 |      |      |      |      |      |                              |
| July      | 5.06  | 5.63   | 3.39  | 7.6      | 1.27  | 8.30  | 3.14  | 4.62  | 8.03  | 4.29  | 44.49 |      |      |      |      |      |                              |
| August    | 4.36  | 1.24   | 1.30  | 6.17     | 2.26  | 1.28  | 1.02  | 5.64  | 3.71  | .39   | 27.37 |      |      |      |      |      |                              |
| September | 2.70  | 6.61   | 2.34  | 3.64     | 7.64  | 4.35  | 3.09  | 2.29  | 2.29  | 2.12  | 39.07 |      |      |      |      |      |                              |
| October   | 1.44  | 9.29   | 5.38  | 3.60     | 0.11  | 2.74  | 3.80  | 6.44  | 4.07  | 6.27  | 49.14 |      |      |      |      |      |                              |
| November  | 6.88  | 2.83   | 1.70  | 1.97     | 6.61  | 5.82  | 2.83  | 6.30  | 10.13 | 9.46  | 54.53 |      |      |      |      |      |                              |
| December  | 2.70  | 3.11   | 1.95  | 11.17    | 4.42  | 3.93  | 2.83  | 5.18  | 3.07  | 4.40  | 42.76 |      |      |      |      |      |                              |
| TOTALS    | 46.38 | 46.03  | 33.31 | 42.20    | 45.65 | 45.74 | 39.63 | 46.41 | 50.31 | 45.56 | 44112 | YBP  |      |      |      |      |                              |

1931. Wall 8' high, 20 yds. N.

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 | Parish Church. | Distance from gauge |
|-------|---------|-------|------------------|---------------------|-----------|----------------|---------------------|
| 1931. |         |       | Bridgend         | 2 m.                | NE        | Merthyr Tydfil | ½ m.                |

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

Station No. 4061

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RAINFALL at *Hertingford Barnet*County of *Glamorgan*

Observer R. J. Mitchell Esq.

River Basin *S. Ogmore &c.*Type of Gauge *Standard*

Annual Average 42.2 in. based on 11 years obs. un-weighted. Period of average 1881-1915 Ref. S

File No. 842262/28

| Diameter  | 5     |       |       | 5     | 493   | 190   |       |       |       |       |                              |
|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------------------------|
| Height    | 1' 6" |       |       | 1' 0" |       |       | 1'    | -     |       |       |                              |
| Altitude  | 75    |       |       |       |       |       | 41    |       |       |       |                              |
| Year      | 1941  | 1942  | 1943  | 1944  | 1945  | 1946  | 1947  | 1948  | 1949  | 1950  | 1941-50<br>Means<br>Total 15 |
| January   | 4.75  | 4.89  | 7.76  | 4.60  | 5.46  | 3.73  | 3.74  | 9.80  | 9.26  | 1.74  | 46.73                        |
| February  | 4.41  | .51   | 1.81  | 2.43  | 4.99  | 3.63  | .88   | 1.94  | 1.93  | 6.34  | 28.87                        |
| March     | 2.89  | 3.54  | 1.18  | .33   | 1.95  | 1.34  | 8.89  | 1.50  | 2.58  | 2.01  | 26.21                        |
| April     | 2.50  | 1.17  | 1.24  | 3.80  | 1.70  | 1.87  | 2.53  | 2.18  | 2.18  | 3.61  | 22.78                        |
| May       | 2.15  | 4.83  | 3.64  | 1.61  | 4.78  | 4.95  | 3.34  | 3.12  | 2.59  | 1.27  | 32.28                        |
| June      | 1.90  | .46   | 4.04  | 3.94  | 4.12  | 5.17  | 2.17  | 4.11  | .89   | 1.75  | 28.55                        |
| July      | 4.24  | 4.54  | 2.77  | 3.46  | 3.47  | 2.97  | 4.81  | 2.34  | 1.18  | 6.07  | 35.85                        |
| August    | 7.26  | 5.57  | 4.02  | 6.32  | 2.86  | 8.08  | 1.61  | 8.25  | 3.98  | 8.10  | 56.05                        |
| September | .72   | 3.83  | 5.85  | 4.45  | 3.03  | 6.38  | 2.87  | 4.83  | 4.92  | 8.70  | 45.58                        |
| October   | 3.53  | 5.06  | 3.72  | 6.11  | 4.57  | 1.22  | 1.77  | 6.96  | 9.00  | 3.38  | 45.32                        |
| November  | 2.51  | 1.17  | 3.34  | 3.70  | .95   | 6.97  | 4.87  | 3.45  | 5.58  | 7.30  | 45.84                        |
| December  | 4.65  | 6.35  | 3.70  | 4.27  | 7.25  | 4.49  | 4.01  | 4.29  | 4.39  | 3.31  | 46.41                        |
| TOTALS    | 41.51 | 44.92 | 43.07 | 51.02 | 45.13 | 50.80 | 41.49 | 52.77 | 41.48 | 53.58 | 462.47                       |

1945 Gauge tested &amp; found sound. Tullio's high 80' True 135° E

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

Air Ministry, Meteorological Office

Station No. 4061

RAINFALL at Merthyr Mawr.

County of Glamorgan

Observer R. J. Mitchell, Eng.

River Basin 5-Ogmore & C.

Type of Gauge Snowdon.

Annual Average 42.9 in. based on 11 years obs. unweighted. Period of average 1881 - 1915 Ref. S  
" " 45.58 " " 35 " " 1916-50 " " 1916 50 P  
File No. 842263/28

| Diameter ...  | 5"    |       | 493   | 190   |       |       |       |       |       |       |       |
|---------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Height ...    | 1'-0" |       |       |       | 1     |       |       |       |       |       |       |
| Altitude ...  | 75'   |       |       |       |       | 51    |       |       |       |       |       |
| Year ...      | 1951  | 1952  | 1953  | 1954  | 1955  | 1956  | 1957  | 1958  | 1959  | 1960  | Means |
| January ...   | 5.72  | 4.71  | 1.67  | 3.26  | 3.19  | 6.18  | 3.46  | 3.15  | 5.24  | 5.05  | 4163  |
| February ...  | 4.30  | 1.01  | 1.97  | 5.47  | 3.12  | 0.60  | 5.38  | 4.77  | .37   | 3.24  | 3023  |
| March ...     | 5.64  | 3.86  | 1.72  | 3.99  | 1.48  | 1.41  | 5.30  | 0.85  | 3.96  | 2.54  | 3075  |
| April ...     | 4.15  | 3.13  | 3.68  | 1.03  | 3.14  | 1.98  | 3.1   | 0.77  | 3.59  | 3.12  | 2490  |
| May ...       | 3.17  | 4.48  | 2.44  | 2.12  | 4.38  | 1.67  | 1.59  | 4.96  | .99   | 1.28  | 2698  |
| June ...      | 0.57  | 3.28  | 3.07  | 5.14  | 6.40  | 3.19  | 1.04  | 4.97  | 2.15  | 1.47  | 3128  |
| July ...      | 1.54  | 1.71  | 5.84  | 6.45  | 1.28  | 4.36  | 5.22  | 4.57  | 4.72  | 2.41  | 4312  |
| August ...    | 7.13  | 6.75  | 6.56  | 4.37  | 0.47  | 6.80  | 4.55  | 5.30  | 3.06  | 4.24  | 4923  |
| September ... | 4.33  | 4.62  | 4.82  | 6.01  | 2.64  | 5.87  | 6.13  | 6.57  | .58   | 6.11  | 4770  |
| October ...   | 1.84  | 5.23  | 2.63  | 6.92  | 3.47  | 1.98  | 4.36  | 6.25  | 6.28  | 6.02  | 4498  |
| November ...  | 8.55  | 4.26  | 4.31  | 8.90  | 3.23  | 1.48  | 3.37  | 4.21  | 6.77  | 10.26 | 5536  |
| December ...  | 3.04  | 5.79  | 2.34  | 5.29  | 7.86  | 5.39  | 1.97  | 5.42  | 9.12  | 6.50  | 5272  |
| TOTALS ...    | 40.98 | 48.83 | 41.05 | 58.95 | 40.66 | 40.91 | 42.70 | 51.33 | 46.83 | 57.24 | 47848 |

No gauge

Position of Station on Ordnance One-Inch map: No. of Map ..... National Grid Reference 35141/884779

| Date | Lat. N. | Long. | Railway Station | Distance from gauge | Parish Church | Distance from gauge |
|------|---------|-------|-----------------|---------------------|---------------|---------------------|
| 1958 |         |       | Bridgend        | 2 miles             | Merthyr Mawr  | 1/2 m               |

Summary of Earlier Records from 10-year Sheets: 1916 - 50 P accepted.

| Record or d | 1910-19 | 1920-30 | 1931-40 | 1941-50 | 1951-60 |
|-------------|---------|---------|---------|---------|---------|
|             | ~1911   | ✓       | ✓       | ✓       |         |

1915-18 blank ✓ 21-23 blank ✓ 36-40 blank only 46 rest blank