

RAINFALL at Pwllheli Madryn Gaele Farm SchoolCounty of Carnarvonshire

Observer

A. Turner Esq.River Basin Mernai Strait 3Dr. A. D. Turner (16)Sunder Rain Gauge, byTerence Johnson (19)

|              |      |      |      |      |       |       |       |       |      |       |                 |         |
|--------------|------|------|------|------|-------|-------|-------|-------|------|-------|-----------------|---------|
| Diameter ... |      |      |      | 5    |       |       |       |       |      |       |                 |         |
| Height ..... |      |      |      | 10   |       |       |       |       |      |       |                 |         |
| Altitude ... |      |      |      | 285  |       |       |       |       |      |       |                 |         |
| Year ...     | 1910 | 1911 | 1912 | 1913 | 1914  | 1915  | 1916  | 1917  | 1918 | 1919  | MEANS<br>Totals | 1910-19 |
| January ...  |      |      |      |      | 2.65  | 3.67  | 3.41  | 1.61  | 4.70 | 5.57  | 15.29           |         |
| February ... |      |      |      |      | 4.72  | 6.05  | 3.61  | 2.26  | 3.91 | .77   | 10.55           |         |
| March .....  |      |      |      |      | 4.85  | 1.85  | 2.54  | 2.08  | 2.05 | 4.50  | 11.17           |         |
| April .....  |      |      |      |      | .37   | 1.80  | 1.80  | 1.78  | 1.56 | 2.76  | 7.90            |         |
| May .....    |      |      |      |      | 2.25  | 1.78  | 4.10  | 4.56  | 3.59 | 1.45  | 12.70           |         |
| June .....   |      |      |      |      | 1.84  | 1.10  | 2.82  | 2.05  | 2.26 | 1.05  | 8.18            |         |
| July .....   |      |      |      |      | 5.70  | 3.40  | 1.04  | .97   | 6.14 | 2.23  | 10.38           |         |
| August ..... |      |      |      | 1.79 | 3.45  | 1.38  | 1.91  | 9.45  | 2.14 | 2.67  | 16.17           |         |
| September .. |      |      |      | 7.40 | 1.97  | 1.64  | 3.32  | 2.39  | 8.66 | 1.54  | 16.41           |         |
| October ...  |      |      |      | 6.18 | 2.08  | 5.20  | 5.71  | 6.15  | 5.74 | 2.24  | 19.84           |         |
| November ..  |      |      |      | 5.47 | 5.15  | 4.18  | 4.09  | 2.67  | 3.05 | 1.67  | 11.48           |         |
| December...  |      |      |      | 2.12 | 10.16 | 10.08 | 3.45  | 1.54  | 6.39 | 6.12  | 17.50           |         |
| TOTALS ...   |      |      |      |      | 45.19 | 42.13 | 37.80 | 38.01 | 50.9 | 52.57 | 158.57          |         |

open meadow

1919. Trees 30-35 ft. Right 50 yds. E.  
Pwllheli 1400 24 mi S.1918 computed against 4383  
using 1919-41 overlap.

| Date. | Lat. N. | Long. | Railway Station. | Distance.                      | Direction. | Church.    | Distance.                       | Direction. |
|-------|---------|-------|------------------|--------------------------------|------------|------------|---------------------------------|------------|
|       |         |       | Pwllheli         | 7 <sup>mi</sup> / <sub>4</sub> | SE         | Landisdown | 1 <sup>1</sup> / <sub>2</sub> m | W          |

RAINFALL at Madryn Castle (Farm School)

County of Cameron

Observer. J. Hynes

River Basin Menai - 3

*Harden* Rain Gauge, by \_\_\_\_\_

| Diameter ...  | 5"    |       |       |       |       |       |       |       |       |       |                  |                   |
|---------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------------|-------------------|
| Height .....  | 1.0   |       |       |       |       |       |       |       |       |       |                  |                   |
| Altitude ...  | 285   |       |       |       |       |       | 278   |       |       | 278   |                  |                   |
| Year .....    | 1920  | 1921  | 1922  | 1923  | 1924  | 1925  | 1926  | 1927  | 1928  | 1929  | <del>1930.</del> | 1920-30<br>Totals |
| January ...   | 3.20  | 4.61  | 3.72  | 2.38  | 4.86  | 2.71  | 5.14  | 5.74  | 10.24 | 2.37  | 6.37             | 51.37             |
| February ...  | 2.51  | .50   | 2.54  | 6.56  | .80   | 5.01  | 4.89  | 5.03  | 4.51  | 2.16  | .47              | 35.28             |
| March .....   | 6.25  | 4.04  | 3.52  | 1.22  | 1.94  | .91   | .66   | 4.08  | 3.00  | 1.43  | 3.12             | 30.17             |
| April.....    | 3.89  | 1.36  | 2.37  | 3.03  | 3.14  | 2.55  | 2.34  | 1.47  | 1.77  | .74   | 2.20             | 25.06             |
| May .....     | 3.46  | 2.63  | 1.30  | 1.50  | 5.57  | 5.25  | 3.10  | 2.05  | .90   | 3.99  | 2.25             | 32.00             |
| June .....    | 2.56  | .61   | 1.51  | 1.23  | 2.94  | .05   | 3.09  | 5.24  | 6.91  | 2.10  | 2.14             | 28.38             |
| July .....    | 6.59  | 4.30  | 4.08  | 3.68  | 4.44  | 2.52  | 4.36  | 3.49  | 3.03  | 2.07  | 3.50             | 42.06             |
| August .....  | 3.86  | 6.91  | 3.29  | 4.56  | 4.02  | 5.20  | 5.27  | 7.27  | 5.00  | 5.47  | 5.13             | 55.00             |
| September.... | 3.67  | 1.36  | 4.88  | 6.18  | 5.44  | 4.08  | 2.04  | 5.85  | 1.98  | 2.19  | 5.12             | 42.79             |
| October.....  | 5.65  | 3.46  | 1.03  | 6.01  | 3.68  | 5.76  | 3.84  | 4.18  | 7.10  | 5.85  | 7.26             | 58.82             |
| November...   | 2.19  | 2.54  | 2.61  | 6.11  | 2.62  | 3.52  | 9.15  | 7.20  | 7.49  | 10.67 | 5.33             | 59.43             |
| December...   | 3.64  | 2.55  | 3.98  | 3.85  | 7.51  | 3.63  | 1.00  | 2.30  | 4.84  | 7.46  | 6.40             | 47.16             |
| TOTALS..      | 47.47 | 34.87 | 35.13 | 46.31 | 46.96 | 41.19 | 45.03 | 53.90 | 56.80 | 46.50 | 49.29            | 503.56            |
| O             | P     | D     | D     | P     | P     | D     | D     | D     | D     | D     | D                | C                 |

1919. Open meadow  
Tree 30-35 ft. high. 50 yds. E.

Jasn. Talryn 1400 ft.  $\frac{1}{2}$  m. d.

1929. Feb, June & Dec. corrected by surr<sup>g</sup> stations

1930. G. read 9 a.m.

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 |
|-------|---------|-------|------------------|---------------------|-----------|----------------|---------------------|-----------|
| 1930  |         |       | Bollcheli        | 7 m.                | S.E.      | Llandridwyn    | 1½ m<br>2 m         | W.        |



RAINFALL at Madryn Castle (Farm School)County of CarmarvonObserver J. Hines The Principal  
(Isaac Jones)River Basin S. Menei Strait

Type of Gauge.....

Annual Average 29.0 in. based on 3 years obs. un-weighted. Period of average 1881-1913 Ref 5

20561032

| Diameter  | 5.    |       |         |       |       |       |       |       |       |       |       |
|-----------|-------|-------|---------|-------|-------|-------|-------|-------|-------|-------|-------|
| Height    | 1.0   |       |         |       |       |       |       |       |       |       |       |
| Altitude  | 278   |       |         |       |       |       |       |       |       |       |       |
| Year      | 1931  | 1932  | 1933    | 1934  | 1935  | 1936  | 1937  | 1938  | 1939  | 1940  | Means |
| January   | 4.50  | 5.71  | 4.05    | 4.26  | 1.48  | 5.34  | 4.23  | 4.69  | 9.51  | 4.36  | 42.13 |
| February  | 3.09  | .16   | 2.35    | .47   | 3.64  | 2.36  | 5.63  | 1.49  | 4.31  | 3.90  | 2790  |
| March     | 1.65  | 2.22  | 2.32    | 2.93  | .78   | 3.35  | 2.20  | 1.90  | 3.21  | 2.91  | 2407  |
| April     | 2.88  | 2.63  | 1.91    | 1.39  | 3.51  | 1.27  | 2.39  | .13   | 1.19  | 3.11  | 2091  |
| May       | 4.87  | 3.84  | 2.09    | 3.39  | 1.18  | .96   | 1.77  | 3.20  | 0.90  | 1.70  | 2390  |
| June      | 4.80  | 1.64  | (2.16)  | 1.93  | 3.50  | 5.47  | 2.48  | 5.00  | 2.72  | .95   | 3065  |
| July      | 3.45  | 4.82  | 2.42    | .69   | .92   | 7.01  | 2.77  | 5.10  | 8.28  | 1.36  | 3682  |
| August    | 4.18  | 1.17  | 2.45    | 6.61  | .80   | 3.14  | 1.58  | 1.42  | 3.31  | .47   | 2513  |
| September | 3.89  | 3.26  | 1.60    | 5.14  | 6.88  | 4.28  | 3.26  | 2.96  | 0.48  | 3.43  | 3528  |
| October   | 2.27  | 7.05  | 5.48    | 6.11  | 6.07  | 2.42  | 6.93  | 6.68  | 3.78  | 5.67  | 5246  |
| November  | 11.21 | 2.89  | 2.69    | 2.41  | 5.11  | 5.57  | 2.55  | 7.75  | 5.04  | 7.27  | 5249  |
| December  | 2.79  | 3.82  | (3.89)  | 9.94  | 3.98  | 3.25  | 4.09  | 4.57  | 3.84  | 4.01  | 4618  |
| TOTALS    | 49.68 | 39.21 | (33.41) | 45.27 | 37.85 | 47.42 | 40.58 | 44.89 | 46.57 | 39.14 | 42372 |

1931. Trees 20' high, 20 yds. E.

1933. June &amp; Dec adjusted by near stations.

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 |
|-------|---------|-------|------------------|---------------------|----------------------|----------------|---------------------|----------------------|
| 1931. |         |       | Swllheli         | 7 m.                | E.                   | Clanildwin     | 1 m.                | W.                   |

Station No. 4322  
**RAINFALL** at Madryn Castle (Farm School) 41  
 County of Carmarvon Observer The Principal (J. Jones)  
 River Basin 3-Monai Strath D.S. DAVIES, ESQ., B.Sc. (1948)  
 Type of Gauge B.T. Glenishier

Annual Average 39.9 in. based on 8 years obs. un-weighted. Period of average 1881-1915 Ref. S

File No. 205.610.32

| Diameter  | 5     |       | 59    | 535    |       | 8"     | 5"    | 8"    | 8"    | 8"    |                            |
|-----------|-------|-------|-------|--------|-------|--------|-------|-------|-------|-------|----------------------------|
| Height    | 1     | 0     | 0.115 | 1      |       | 1' 6"  | 1' 6" |       |       | 1' 6" |                            |
| Altitude  | 278   | ↓     |       | 41     |       | 278'   | 278'  |       |       | 278'  |                            |
| Year      | 1941  | 1942  | 1943  | 1944   | 1945  | 1946   | 1947  | 1948  | 1949  | 1950  | Means<br>1945-50<br>result |
| January   | 3.27  | 6.99  | 8.24  | 4.56   | 2.68  | 6.20   | 6.70  | 9.52  | 2.32  | 1.09  | 51.57                      |
| February  | 2.78  | 1.26  | 1.88  | 2.51   | 4.21  | 3.50   | 0.92  | 1.96  | 1.76  | 6.32  | 27.10                      |
| March     | 2.55  | 4.97  | 0.95  | 0.69   | 1.23  | (1.30) | 9.00  | 2.68  | 2.83  | 3.62  | 29.82                      |
| April     | 1.52  | 2.07  | 1.77  | (2.50) | 2.33  | (.62)  | 3.72  | 2.15  | 3.13  | 3.68  | 23.49                      |
| May       | 3.13  | 5.52  | 3.69  | (1.00) | 1.32  | 1.79   | 4.53  | 1.41  | 2.69  | 1.02  | 26.10                      |
| June      | 0.90  | .12   | 2.61  | (2.23) | 3.20  | 5.96   | 3.14  | 3.33  | 0.47  | 1.39  | 23.35                      |
| July      | 4.65  | 2.49  | 1.96  | 3.25   | 2.91  | 1.81   | 2.88  | 2.97  | 1.72  | 3.53  | 28.17                      |
| August    | 3.22  | 4.52  | 3.10  | 2.31   | 0.93  | 5.86   | 1.22  | 4.81  | 3.82  | 8.45  | 38.24                      |
| September | 1.95  | 3.34  | 5.21  | 3.97   | 2.33  | 5.91   | 4.01  | 2.85  | 1.16  | 8.45  | 39.18                      |
| October   | 4.63  | 4.09  | 5.81  | 5.75   | 4.03  | .99    | 0.81  | 2.02  | 9.58  | 5.08  | 42.79                      |
| November  | 3.34  | 1.23  | 3.25  | 6.31   | 0.78  | 8.52   | 3.07  | 3.72  | 5.96  | 5.67  | 41.85                      |
| December  | 2.05  | 6.81  | 2.55  | 3.17   | 6.01  | 7.88   | 3.49  | 6.59  | 4.29  | 6.12  | 48.96                      |
| TOTALS    | 33.99 | 43.41 | 41.02 | 38.25  | 31.96 | 50.34  | 43.49 | 44.01 | 39.13 | 54.42 | 420.62                     |

1942 record retained in file  
 1944 April & May est'd. June & July est'd. n.p. too much estimation.  
 3 in open, greenhouse 15' high 25 yds N.

1945 n.p. too much est. 1946 March & April past est'd.

\* 1950. Check notes that since 1948 at least (he does not know how much earlier) the gauge has been a Glenishier resting on the surface with rim 1' 3" above ground level.

\* 1942 computed for purpose of averages using 1919-41 overlap with 4383.

0004

1004

Position of Station on reduced Ordnance Survey Map,  
 1 mile to 1 inch Series

No. of Map.....

Reference No. 23-28361

| Date.          | Lat. N. | Long. | Railway Station. | Distance from gauge | Direction from gauge | Parish Church. | Distance from gauge. | Direction from gauge. |
|----------------|---------|-------|------------------|---------------------|----------------------|----------------|----------------------|-----------------------|
| 1941<br>1/1/41 |         |       | Pwllheli         | 6<br>7m             | SE<br>E              | blanchudwen    | 3<br>4 m<br>7m       | SW.<br>W.             |

Station No. 4262

T 30.11.54

RAINFALL at

Madaya Castle (Farm School)

51

County of

Laemawachulabongk

Observer

Principal (I. Jones)

River Basin

3. Menai Straits

Type of Gauge

GlaisherAnnual Average 39.0 in. based on 8 years obs. ~~un~~ weighted.

Period of average

1881-1915 Ref. S43.05 " " 35 " " 1916-1950

File No.

196-1950  
205610132 P

|               |            |            |             |      |      |      |      |      |      |      |       |
|---------------|------------|------------|-------------|------|------|------|------|------|------|------|-------|
| Diameter ...  | 8"         |            |             |      | 529  | 535  |      |      |      |      |       |
| Height ...    | 1' 3"      |            |             |      |      | 1    |      |      |      |      |       |
| Altitude ...  | 278'       |            |             |      |      | 51   |      |      |      |      |       |
| Year ...      | 1951       | 1952       | 1953        | 1954 | 1955 | 1956 | 1957 | 1958 | 1959 | 1960 | Means |
| January ...   | 4.66       | 5.07       | 2.80        |      |      |      |      |      |      |      |       |
| February ...  | 3.22       | 0.85       | 3.08        |      |      |      |      |      |      |      |       |
| March ...     | 5.55       | 2.68       | 1.45        |      |      |      |      |      |      |      |       |
| April ...     | 1.31       | 3.50       | 4.31        |      |      |      |      |      |      |      |       |
| May ...       | 2.57       | 1.80       | 2.95        |      |      |      |      |      |      |      |       |
| June ...      | 0.69       | 2.90       | 1.93        |      |      |      |      |      |      |      |       |
| July ...      | 0.90       | 1.46       | 4.36        |      |      |      |      |      |      |      |       |
| August ...    | 6.22       | 4.15       | 2.96        |      |      |      |      |      |      |      |       |
| September ... | 6.83       | 1.82       | 4.35        |      |      |      |      |      |      |      |       |
| October ...   | 0.95       | 5.13       | 4.75        |      |      |      |      |      |      |      |       |
| November ...  | 8.50       | 3.12       | 6.55        |      |      |      |      |      |      |      |       |
| December ...  | 7.35       | 3.07       | (1.19)<br># |      |      |      |      |      |      |      |       |
| TOTALS ...    | 45.85<br>2 | 35.55<br>D | 40.48<br>d  |      |      |      |      |      |      |      |       |

1944 Glaisher 15' high 25 yds N.

1953 Dec. completed 1103(b)

± 1954 No reply to letters

00014-

Position of Station on Ordnance One-Inch map :

No. of Map.....

National Grid Reference SH123256261

| Date. | Lat. N. | Long. | Railway Station. | Distance Direction from gauge | Parish Church. | Distance Direction from gauge. |
|-------|---------|-------|------------------|-------------------------------|----------------|--------------------------------|
| 1943  |         |       | Pwllheli         | 7m E                          | Manudolwen     | 3 1/2 m W.                     |

Summary of Earlier Records from 10-year Sheets :

1916-1950, P-accepted

| Record D, or d | 1911-19                                     | 1920-30             | 1931-40                                 | 1941-50  | 1951-60 |
|----------------|---|---------------------|---|--|---------|
|                | 1913 inc.<br>1914-17 D<br>1918 N.R.<br>1919 | 1920 -<br>1921-30 D | 1931-36 D<br>1937 d<br>1938 d<br>1939 d | 1941 - d<br>1942 - R. file<br>1943 T D<br>1944-US NP<br>1945 |         |