

# RAINFALL AT Rhayader (Bwlchyrhendre)

Lat. \_\_\_\_\_

Lon. \_\_\_\_\_

County of Radnor Cardigan.

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

Observer M. N. Lewis

Wye - 5.

J. M. Youlton & Co.

Diameter ....		5									
Height .....			1	0							
Altitude ....		1585									
Year .....	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January ....			5.50	3.55	7.30	5.35	4.60	2.50	4.28	8.90	
February ....			4.00	7.15	6.80	.30	3.55	4.93	5.20	5.10	
March .....			.80	1.50	5.65	7.45	10.15	6.30	2.57	2.30	
April .....			1.85	.40	2.75	3.10	2.05	5.62	4.83	6.10	
May .....			3.30	3.35	5.35	1.05	.25	1.88	5.25	5.20	
June .....			4.00	4.60	3.15	1.90	2.50	2.22	5.85	2.00	
July .....			5.00	5.15	7.20	7.55	5.20	4.28	2.12	4.20	
August .....			5.30	4.95	6.10	5.20	6.80	6.05	4.88	2.10	
September...			6.75	6.20	1.85	1.60	10.50	9.05	2.60	6.70	
October.....	<u>11</u>	50	8.00	8.55	8.70	7.30	7.30	3.90	7.52	4.80	
November....		6.50	5.30	6.70	8.80	8.70	2.15	6.65	5.10	5.20	
December ....		12.50	4.20	8.05	6.65	6.05	10.45	9.20	8.40	4.80	
TOTALS ....			54.00	60.15	70.30	55.55	65.50	62.58	58.60	57.40	

RAINFALL AT *Rhayader Bwlchysiondri*  
 Lat. .... Lon. .... County of *Radnor*  
 Rain Gauge, by .... Observer *G. M. Youndi Esq. C.E.*  
*E. H. Longley Esq.*

*Wye - 5. M*

Diameter ..	5										
Height ....	10										
Altitude ..	1585										
Year ....	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEAN.
January ..	7.40	6.50	5.00	8.50	6.40	5.30	10.30	5.00	4.20	4.70	6.330
February ..	5.00	2.20	1.80	4.70	5.80	4.60	6.40	2.80	5.20	1.90	4.040
March ....	1.10	4.70	4.10	10.20	2.50	7.50	5.30	4.00	4.32	4.20	4.792
April .....	4.50	5.50	2.50	3.40	4.50	5.60	2.10	5.00	3.20	5.30	4.160
May .....	3.70	1.30	5.20	4.50	2.60	1.40	5.00	5.00	4.40	2.70	3.580
June .....	4.90	4.80	4.00	3.60	2.20	2.40	3.70	7.40	2.10	2.90	3.800
July .....	2.40	2.60	4.00	4.70	2.60	2.20	4.70	6.20	6.50	8.45	4.435
August ....	7.70	5.80	5.10	8.00	4.90	8.40	5.90	5.90	6.70	4.30	6.270
September ..	2.80	4.00	4.20	7.70	2.40	2.30	2.10	1.10	5.80	6.30	3.870
October ....	7.10	5.90	5.40	13.50	3.90	4.80	8.50	8.20	1.73	9.70	6.873
November ..	7.30	5.10	5.00	8.10	5.60	4.70	6.50	5.00	6.10	3.00	5.640
December ..	8.50	8.20	6.50	5.90	5.50	1.90	7.70	7.40	7.00	6.40	6.500
TOTALS ..	62.40	56.60	52.80	82.80	48.90	51.10	68.20	63.00	57.25	59.85	60.290

*in up in up in up in*

*H. S.*

1900 Sept 28 New gauge erected in place of old  
 1906 Rhayader Station

RAINFALL at Perrinham W. W. BulchysandraCounty of CardiganObserver E. Antony Lees Esq.River Basin Wye 5

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

Diameter ...	5										
Height .....	1 0										
Altitude ...	1585										
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	1916-19 MEANS 16 Years
January ...	5.20	2.80	5.65	7.90	5.10	8.80	4.85	3.00	6.40	6.40	20.65
February ...	7.70	3.50	4.10	2.40	6.75	9.50	9.65	2.20	6.20	3.30	19.35
March .....	2.25	3.35	9.80	7.35	10.20	2.35	3.40	3.40	4.20	7.10	18.10
April .....	6.10	3.13	.75	7.90	2.10	3.55	5.60	4.65	1.90	4.85	17.00
May .....	3.50	2.70	2.35	4.45	4.85	3.35	4.70	4.15	5.30	1.33	15.48
June .....	8.40	5.25	7.30	5.20	3.90	1.85	5.35	3.95	3.80	4.52	17.62
July .....	6.80	1.35	4.00	3.05	7.20	5.85	4.60	3.50	6.85	3.40	18.35
August .....	5.10	4.65	15.35	5.55	5.45	6.10	4.90	16.98	3.15	3.96	27.99
September ..	.75	6.30	1.95	3.50	3.90	1.60	6.70	4.02	13.70	4.25	28.67
October ...	6.63	5.95	7.10	6.45	3.40	3.75	12.65	11.10	5.50	3.50	32.75
November ..	6.80	6.70	6.60	9.20	7.30	5.30	4.90	8.35	6.90	4.85	25.00
December ...	11.10	12.50	8.20	4.75	11.90	12.70	4.25	2.10	11.70	12.85	30.90
TOTALS ...	70.33	58.18	73.15	67.70	72.05	65.70	69.55	66.40	75.60	60.31	271.86

1916 Feb. - Mar. corrected

+ Inspected

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



RAINFALL at *Birmingham N.W. (Boddyhendle)*County of *Cardigan* Observer *F.W. Macaulay, Esq. C.E.*River Basin *Wye - 5* *J.W. Wilkinson C.E.**Coppa Bogla* Rain Gauge, by *Hicks*500  
498  
498  
721

Diameter ...	5													
Height .....	1.0													
Altitude ...	1525													
Year .....	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 MEANS.	1920-30 Totals		
January ...	6.95	10.15	8.23	9.85	(6.82)	7.58	8.25	9.63	13.60	2.75	10.10	92.96		
February ...	5.00	8.4	(8.72)	13.96	1.94	10.73	4.68	6.08	8.35	1.60	.60	62.40		
March .....	7.30	7.27	(4.84)	2.95	2.26	3.23	3.15	7.15	4.55	.85	4.10	47.65		
April .....	9.40	2.35	4.52	3.65	5.56	4.90	(3.50)	4.90	2.60	1.45	4.50	47.33		
May .....	5.80	3.60	2.15	6.46	(7.84)	6.13	4.35	2.65	1.50	4.55	4.20	49.23		
June .....	2.60	1.35	4.65	2.92	4.10	2.3	(4.59)	8.62	9.55	6.05	2.10	47.76		
July .....	8.15	3.67	7.16	6.20	7.76	4.88	7.97	7.30	4.90	5.85	10.20	74.04		
August .....	3.65	9.57	4.93	6.76	10.66	5.45	8.05	13.30	8.10	4.75	8.90	84.12		
September...	6.60	3.16	7.50	8.06	(8.35)	7.18	5.43	9.25	2.60	2.40	9.40	69.93		
October.....	6.95	3.73	(1.75)	13.22	7.80	10.45	(5.73)	6.58	9.00	11.15	12.45	88.81		
November...	3.05	6.10	3.20	6.46	4.74	5.27	(10.13)	6.15	13.40	15.80	9.00	83.30		
December...	5.30	8.45	7.93	9.35	10.40	6.68	3.25	3.25	5.80	13.40	9.25	83.06		
TOTALS...	71.75	60.24	(65.58)	88.84	(15.13)	72.71	(69.08)	84.91	83.95	70.60	84.80	830.59		✓ 830.59

Inspected C. 12.7.21. S. surrounded by hummocks of grass with  
enclosure. on top of rounded hill. Ditch away on all sides. A very  
indifferent place, but cannot get any other. Recommend moving  
hummocks & building up the turf walls. ~~Continue~~ <sup>Continue</sup> as  
record likely to be misleading. Please explain is one of the poorest of  
the whole set.  
1922 7th Chen. completed other one by others.

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

RAINFALL at Birmingham W.W. (Bulchryhendre)County of CardiganObserver J.W. Wilkinson, G.E.River Basin S. WyeH.M. Barnes Esq. G.E. 1940.

Type of Gauge

674 Feb. 1940 13 in. with bell

P. 1342

Annual Average 67.4 in. based on 13 years obs. un-weighted.Period of average 1881-1915Ref. A. W. S. 6071.1538 yrs1917-561916-50660 552/26

Diameter	5											
Height	1.0											
Altitude	1585											
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	1931-40 Means Totals	
January	9.45	9.35	(7.85)	7.20	3.85	7.35	10.20	10.90	9.15	4.65	80.05	
February	8.15	2.20	(7.95)	7.5	7.90	3.25	9.60	4.40	7.65	5.35	55.20	
March	1.55	5.15	4.65	5.60	3.05	3.50	4.20	2.10	4.40	4.90	39.00	
April	7.10	5.55	8.95	4.95	6.50	3.65	7.65	1.30	4.90	4.00	46.55	
May	4.75	5.85	2.40	3.80	2.15	3.25	2.85	4.10	1.45	2.00	32.60	
June	4.70	2.30	5.45	3.20	6.65	5.95	3.25	7.30	4.10	1.00	43.90	
July	6.95	7.45	5.35	3.40	2.15	9.65	3.95	8.30	10.80	11.20	69.20	
August	6.55	1.75	3.15	8.30	2.45	(1.60)	1.45	5.50	4.10	3.00	36.85	
September	4.35	7.70	1.60	4.90	12.85	5.55	5.40	3.50	1.45	4.45	51.75	
October	3.65	13.50	8.25	9.45	11.75	7.60	4.85	9.00	3.95	7.65	79.65	
November	9.95	6.90	2.15	3.45	9.45	8.85	2.20	10.95	16.95	13.85	84.70	
December	5.95	5.50	1.10	14.15	5.95	11.00	(6.55)	7.90	6.00	7.55	71.65	
TOTALS	73.10 m	71.20	(50.75)	69.15	75.70	71.20	62.25	75.25	74.90 m	69.60 m	693.10	

1936 August estimated by observer

Turf wall erected 28.9.37. (Footnote B.R. 1937)

1937 Dec. adjusted by observer.

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

Station No. T.F. 4136

RAINFALL at § Birmingham W.W. (Burlchymandre)

41

County of CardiganObserver A. P. Baynes Esq. C.E.River Basin 5 - WyeC. A. Richardson Esq. C.E.

Type of Gauge

Feb. 1940 B'ham Water Bill.

Annual Average 71.15 in. based on 38 years obs. un-weighted. Period of average 1881-1915 Ref. P.B. 392

71.15

38

1917-56

1916-50

File No. 66559/21 E. 31.70/45

Diameter	5				463	598					
Height	10					1					
Altitude	1585				X	41	X				
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means Totals
January	3.50	8.25	10.00	9.30	6.00	7.60	(5.70)	13.80	5.75	4.80	74.70
February	8.90	2.35	6.75	5.20	8.00	10.90	(3.00)	4.80	3.15	8.60	61.65
March	6.25	5.25	2.75	1.40	3.50	1.80	(3.25)	3.80	4.65	3.50	46.15
April	2.95	4.30	3.20	2.35	3.80	2.55	5.10	3.20	6.32	6.25	40.02
May	4.65	7.85	5.80	3.95	5.35	3.20	3.80	2.80	7.00	(2.00)	46.40
June	1.65	.95	6.15	4.35	6.30	5.40	3.15	7.90	.65	2.80	39.30
July	4.65	8.10	5.15	5.20	3.85	4.60	4.75	5.10	1.25	4.90	47.55
August	8.90	5.90	6.70	4.20	4.55	12.20	1.05	6.45	4.15	8.55	62.65
September	1.75	5.85	7.85	7.90	5.55	8.35	4.65	7.85	2.05	13.95	65.75
October	6.95	11.35	6.10	11.45	4.60	3.20	1.65	7.40	8.90	3.80	65.40
November	4.95	1.50	9.30	11.90	1.05	11.15	7.90	4.25	9.30	8.90	70.20
December	6.85	10.75	4.00	7.50	7.15	7.25	8.30	10.50	4.60	7.75	79.65
TOTALS	61.95 M	72.40 M	73.75 M	74.70 M	59.70 M	78.20 M	62.30 M	77.85 M	62.77 M	75.80 M	699.42

2.10.46 Gauge & site completely overhauled. Gauge by Aug. 29.9.46 showed Gauge leaning to N.E.  
 Grass and bushes need cutting. Turf wall low all round.  
 1947. Jan. Feb & Mar exc'd by snow

70004

04004

§ Turf wall round gauge

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



# Air Ministry, Meteorological Office

Station No. TF 194136

RAINFALL at § Birmingham W.D. (Bucklyhendre)

County of Cardigan

Observer C.A. Rishbidge Esq. C.E.

River Basin 5- Wye

Type of Gauge \_\_\_\_\_

Feb. 1940 B'ham Water Coll.

Annual Average 67.4 in. based on \_\_\_\_\_ years obs. 10-weighted. Period of average. 1881-1915 Ref. PB 392  
 " " 71.15 " " 38 " " " within 1917-50 " " 1916-50 " " 5

File No. E 3170/45

Diameter ...	<u>5"</u>				<u>465</u>	<u>098</u>					
Height ...	<u>1'</u>					<u>1</u>					
Altitude ...	<u>1585</u>					<u>51</u>					
Year ...	<u>1951</u>	<u>1952</u>	<u>1953</u>	<u>1954</u>	<u>1955</u>	<u>1956</u>	<u>1957</u>	<u>1958</u>	<u>1959</u>	<u>1960</u>	<u>Means</u>
											<u>Totals</u>
January ...	<u>7.10</u>	<u>6.70</u>	<u>3.80</u>	<u>5.85</u>	<u>(5.25)</u>	<u>8.15</u>	<u>6.50</u>	<u>7.15</u>	<u>8.00</u>	<u>11.45</u>	<u>70.15</u>
February ...	<u>7.35</u>	<u>6.10</u>	<u>3.95</u>	<u>7.95</u>	<u>2.60</u>	<u>(1.50)</u>	<u>6.35</u>	<u>10.00</u>	<u>1.60</u>	<u>9.25</u>	<u>56.45</u>
March ...	<u>8.50</u>	<u>3.75</u>	<u>5.80</u>	<u>4.35</u>	<u>(3.95)</u>	<u>4.80</u>	<u>5.70</u>	<u>1.65</u>	<u>5.25</u>	<u>2.60</u>	<u>46.35</u>
April ...	<u>6.40</u>	<u>3.50</u>	<u>4.65</u>	<u>3.20</u>	<u>5.66</u>	<u>3.05</u>	<u>0.65</u>	<u>3.00</u>	<u>7.35</u>	<u>5.70</u>	<u>43.16</u>
May ...	<u>3.25</u>	<u>3.05</u>	<u>3.80</u>	<u>3.65</u>	<u>6.41</u>	<u>2.45</u>	<u>3.30</u>	<u>4.65</u>	<u>1.05</u>	<u>2.20</u>	<u>33.81</u>
June ...	<u>1.65</u>	<u>4.05</u>	<u>1.90</u>	<u>5.75</u>	<u>6.56</u>	<u>4.30</u>	<u>3.05</u>	<u>(6.50)</u>	<u>3.45</u>	<u>3.30</u>	<u>39.20</u>
July ...	<u>3.55</u>	<u>2.45</u>	<u>7.30</u>	<u>8.75</u>	<u>1.60</u>	<u>4.80</u>	<u>9.45</u>	<u>6.00</u>	<u>6.15</u>	<u>7.65</u>	<u>56.70</u>
August ...	<u>7.85</u>	<u>6.25</u>	<u>5.05</u>	<u>7.45</u>	<u>1.10</u>	<u>10.75</u>	<u>11.00</u>	<u>5.35</u>	<u>.80</u>	<u>7.30</u>	<u>62.90</u>
September ...	<u>5.50</u>	<u>5.90</u>	<u>6.90</u>	<u>7.95</u>	<u>7.10</u>	<u>5.85</u>	<u>12.75</u>	<u>9.20</u>	<u>.70</u>	<u>6.50</u>	<u>67.85</u>
October ...	<u>2.30</u>	<u>7.75</u>	<u>4.10</u>	<u>10.40</u>	<u>6.05</u>	<u>5.35</u>	<u>7.45</u>	<u>8.45</u>	<u>10.35</u>	<u>7.10</u>	<u>69.50</u>
November ...	<u>12.65</u>	<u>4.65</u>	<u>6.00</u>	<u>10.10</u>	<u>3.40</u>	<u>4.85</u>	<u>4.10</u>	<u>3.65</u>	<u>8.35</u>	<u>12.15</u>	<u>69.90</u>
December ...	<u>7.00</u>	<u>8.10</u>	<u>2.85</u>	<u>7.70</u>	<u>(6.95)</u>	<u>7.25</u>	<u>6.65</u>	<u>5.90</u>	<u>11.50</u>	<u>9.55</u>	<u>77.65</u>
TOTALS ...	<u>75.10</u>	<u>62.15</u>	<u>56.10</u>	<u>85.80</u>	<u>56.62</u>	<u>(63.10)</u>	<u>76.95</u>	<u>69.50</u>	<u>64.25</u>	<u>84.55</u>	<u>693.62</u>
	<u>M</u>	<u>M</u>	<u>M</u>	<u>M</u>	<u>M</u>	<u>M</u>	<u>M</u>	<u>M</u>	<u>M</u>	<u>M</u>	

1959 Imp. H.C. O'Kane (5/57) o/E all directions. Tuff wall helps little. Drainage could be improved Bottom of gauge container could be strengthened.

50014 20004

01004

Position of Station on Ordnance One-Inch map:

No. of Map \_\_\_\_\_

National Grid Reference SN(22)807664

Date	Lat. N.	Long.	Railway Station	Distance Direction from gauge	Parish Church	Distance Direction from gauge

Summary of Earlier Records from 10-year Sheets:

	1910-19	1920-30	1931-40	1941-50	1951-60
Record D, or d	<u>All blank</u>	<u>All blank</u>	<u>Only 31.9.37-20.11.38</u>	<u>All M.</u>	