

# RAINFALL AT Rhayader Tynygydd

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

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

County of \_\_\_\_\_

Radnor

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

Observer \_\_\_\_\_

G. M. Youde Esq. C.E.

Wye - 1.

Diameter ....						5						
Height .....						10						
Altitude ....						832 ft						
Year .....	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.	
January ....	11.91	6.71	5.48	4.16	8.08	6.80	2.93	2.77	3.38	12.00	6.422	
February ....	1.60	2.5	4.11	9.05	7.28	.44	2.45	4.47	5.03	8.73	4.341	
March .....	4.76	4.57	1.65	1.35	6.77	5.98	8.20	8.59	2.40	2.86	4.713	
April .....	2.13	4.07	1.56	.27	2.60	3.40	1.35	6.22	4.35	6.61	3.256	
May .....	3.43	4.30	2.46	3.79	4.92	1.14	.13	1.79	4.95	3.89	3.080	
June .....	3.06	3.78	2.55	4.05	2.65	1.03	2.27	3.24	3.99	2.24	2.886	
July .....	2.90	4.38	3.15	4.67	7.01	5.43	2.90	3.28	1.11	2.95	3.778	
August .....	7.37	7.67	3.79	4.18	5.48	4.76	4.48	6.33	5.11	2.72	5.189	
September ....	2.60	4.35	5.07	4.43	1.82	1.08	11.67	6.41	1.92	4.91	4.426	
October .....	4.80	12.05	6.34	6.96	8.04	6.86	7.39	2.20	8.89	5.09	6.862	
November ....	10.67	6.76	4.96	4.42	8.55	9.78	2.20	6.10	5.55	6.63	6.562	
December ....	1.66	13.42	4.03	8.71	6.83	5.56	11.01	11.98	8.62	5.14	7.696	
TOTALS ....	(56.89)	(7.21)	(45.15)	(56.04)	(70.03)	(52.26)	(56.98)	(63.38)	(55.30)	(63.77)	(59.211)	

\*  
 Cwm dauddeu Church 5 miles NE  
 House 20 ft high 320 ft SE  
 Trees 50 ft - 140 ft 5 120 ft SSW  
 River 500 ft N

\* 1890-94 computed from Gantgwyllt (old) ratio  $\frac{104}{100}$

23. X 0.9 . 05.

# RAINFALL AT

Phayader Tynnydd

Hydro No. 4227  
465365 N.R. S.W. 914625  
Ht 832ft

Lat. ....

Lon. ....

County of Radnor

Rain Gauge, by

Observer

G. M. Youndi Esq. cl.

E. Antrobus Esq.

Wye - 1.

Diameter ..	5										
Height ....	10										
Altitude ..	832 ft										
Year ....	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..	7.76	6.55	3.47	9.16	8.73	3.69	11.18	3.49	<del>4.06</del> 4.97	4.97	6.306
February ..	6.16	2.42	2.22	6.62	7.45	4.14	7.00	3.88	<del>5.26</del> 4.06	1.57	4.672
March ....	1.44	7.11	3.59	12.54	3.23	8.80	5.61	2.97	<del>6.92</del> 5.24	4.74	5.695
April .....	2.99	5.90	2.56	2.85	4.35	6.67	1.92	<del>3.47</del> 2.66	<del>4.66</del> 3.66	5.42	4.079
May .....	4.07	1.23	3.90	4.95	2.78	.73	4.82	<del>5.16</del> 5.89	4.18	2.66	3.448
June .....	3.83	3.28	3.07	3.50	2.08	2.56	3.03	<del>6.48</del> 5.80	1.60	2.88	3.231
July .....	2.36	2.43	3.36	3.20	2.70	2.04	1.44	<del>6.12</del> 5.72	5.93	5.08	3.466
August ....	6.54	3.91	5.55	8.94	4.04	8.12	5.55	<del>5.60</del> 4.32	7.12	2.97	5.834
September ..	2.08	3.34	3.45	6.56	3.25	2.52	1.43	<del>1.18</del> 1.91	3.99	4.99	3.279
October .....	8.14	3.90	5.01	15.32	3.01	5.09	8.86	<del>7.52</del> 6.80	3.43	9.99	7.027
November ..	5.67	4.51	5.42	6.70	4.13	5.93	5.61	<del>4.92</del> 5.84	4.91	2.94	5.074
December ..	9.59	9.65	7.11	6.67	5.20	2.37	7.04	<del>8.49</del> 5.55	6.14	9.36	7.162
TOTALS ..	60.63	54.23	48.71	87.01	50.95	52.66	63.49	<del>59.28</del> 46.02	<del>58.20</del> 50.43	57.57	59.23

1908 Phayader Station

1907. Gauge was surrounded by a fence. <sup>previous to 1907 when it was removed</sup> Record much too small.  
The fence was replaced in 1908.  
From a critical comparison of the values the months  
affected seem to be from April 1907 - April 1908. The red  
ink figures are approximately corrected 23.23%.

Daily values in bound volume, shelf C4, R. 14.

# RAINFALL at

*Birmingham W.D. Jyrnyydd*

Ht 832 ft.

County of *Radnor*

Observer

*E. Anthony Lee Esq*

River Basin *Wye*

Rain Gauge, by

Diameter ...	5										
Height .....	1 0										
Altitude ...	832 ft										
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	1910-19 MEANS Totals
January ...	7.00	2.36	6.62	8.72	4.93	8.65	4.82	2.56	6.18	6.54	20.10
February ...	7.50	5.11	3.95	3.09	8.93	11.13	8.74	1.12	6.21	3.98	20.05
March .....	2.61	3.13	10.91	9.59	9.74	1.85	4.06	4.40	3.55	8.22	20.23
April .....	4.93	2.94	.62	8.31	3.07	2.21	5.48	3.42	2.02	3.90	14.82
May .....	3.52	1.68	1.74	3.23	3.46	5.05	4.54	4.40	3.73	.92	13.39
June .....	8.43	4.76	6.14	3.51	2.19	2.02	3.01	2.65	2.55	3.52	11.53
July .....	5.57	.59	4.79	1.34	6.08	6.19	2.93	2.21	5.11	1.74	11.99
August .....	6.67	5.46	11.70	2.21	4.37	4.79	4.53	13.62	2.45	5.96	24.56
September ..	.52	4.65	1.23	3.57	2.67	.87	3.46	2.94	11.64	2.66	20.70
October ...	5.81	6.35	6.87	6.02	3.44	3.47	11.71	19.26	4.59	3.12	28.68
November ...	9.11	7.87	6.26	8.86	8.90	5.63	5.60	5.95	4.55	4.93	21.03
December ...	12.39	14.24	9.65	4.32	13.41	13.45	3.77	2.09	10.91	18.27	29.04
TOTALS ...	74.06	59.14	70.49	62.77	71.19	65.31	62.65	54.62	63.49	55.36	236.12

*9/10*

*Inspected*

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



Observer *J. W. Macaulay, Esq. C. E.*

Birmingham 15W.

Cop. Snowden Rain Gauge, by Cusella

J. W. Wilkinson C E

Diameter ...	5											
Height .....	1.0											
Altitude ...	832											
Year .....	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 MEANS.	1920-30 Totals
January ...	8.01	8.16	9.07	6.38	6.23	7.03	9.13	9.24	12.26	2.21	10.31	88.03
February ...	4.18	3.0	7.93	13.93	1.74	12.08	4.37	5.82	6.42	1.42	.88	59.07
March .....	7.99	6.41	4.87	3.31	2.31	2.51	2.44	7.22	4.54	.53	3.75	45.88
April .....	9.79	1.90	4.55	4.46	5.72	5.20	3.42	3.86	2.44	1.36	4.39	47.09
May .....	5.13	2.73	1.19	5.06	6.08	5.96	3.54	2.11	1.13	4.34	3.50	40.77
June .....	3.97	.77	1.87	.76	2.87	.11	2.81	6.72	6.23	3.55	1.87	31.53
July .....	6.00	2.33	7.34	4.63	6.45	3.30	6.96	6.26	3.62	3.80	6.38	57.07
August .....	2.03	6.25	3.56	5.79	6.35	4.92	5.45	10.38	6.57	3.10	7.09	61.49
September...	4.34	1.80	4.22	5.27	8.32	4.93	3.43	6.53	1.80	2.42	7.96	51.02
October .....	5.58	2.50	1.74	9.43	6.99	6.92	6.07	5.27	8.79	8.62	8.72	70.63
November...	2.32	5.10	3.03	5.91	4.97	4.52	10.45	4.41	11.71	14.42	8.14	74.98
December...	5.93	6.70	7.46	6.39	9.59	6.43	1.89	3.94	4.95	15.86	8.39	77.53
TOTALS...	65.21	44.95	56.83	71.32	67.62	63.91	59.96	71.76	70.46	61.63	71.38	705.99

Inspected Col. 11.7.21. High tide in wet about 45 degrees. No improvement can be made. It can now be expected to give accurate results with at least.  
Better position than at the old gauging g. which was North.

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

Reference No. \_\_\_\_\_

[illegible]

RAINFALL at Birmingham W.W. (Tyrmynydd)Station No. 4227County of RadnorObserver A. A. Bagnall, Esq., C.E.River Basin 1 - WyeC. A. Richardson, Esq., C.E.Type of Gauge Standard

Feb. 1940 Birm. Water Bill

Annual Average 62.1 in. based on 1891-1915 years obs. un-weighted. Period of average 1891-1915 Ref.File No. 1465365/312/45

Diameter	5			465	363							
Height	1	3			1	1' 0"						
Altitude	832				41							
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means	
January	5.02	7.45	10.45	7.13	5.24	7.78	6.16	15.75	3.87	2.97	71.32	
February	6.60	1.30	5.71	2.17	6.84	10.40	2.78	4.43	2.92	10.29	53.44	
March	4.79	4.63	1.70	0.76	2.25	1.65	(13.39)	3.62	3.41	2.99	39.19	
April	2.08	4.80	1.97	2.06	2.83	2.06	4.86	4.11	5.13	5.11	35.01	
May	4.46	9.42	6.04	2.51	3.82	3.90	3.93	4.59	5.91	1.73	46.31	
June	1.79	0.69	3.88	2.67	6.39	4.45	2.84	5.84	.88	1.73	31.16	
July	2.74	4.86	3.35	3.28	2.45	3.36	3.42	2.63	1.09	4.68	31.86	
August	7.99	4.37	5.95	3.50	4.22	7.70	0.57	4.94	2.84	8.17	50.25	
September	1.39	4.05	6.89	5.20	4.27	9.75	3.12	5.30	2.69	9.89	52.55	
October	6.32	6.40	6.74	10.47	5.58	2.84	1.26	4.37	8.09	2.54	55.61	
November	5.17	0.92	5.84	9.22	0.95	12.38	6.84	3.67	8.64	8.80	62.43	
December	5.99	9.02	3.85	6.60	7.47	8.31	6.16	12.15	9.11	4.52	73.18	
TOTALS	54.34	57.91	62.57	55.57	52.31	74.58	55.33	71.40	54.08	64.42	602.31	

8.9.46 Gauge & site completely overhauled (8.46. Engr. by Eng. G. broken in ground).  
1947. mon. used for snowing observed

1000.4

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

RAINFALL at g Birmingham W/O (Tyngsudd) Station No. 4227 TF 19 **51**  
 County of Radnorshire Observer C. A. Kishbridger Esq CE.  
 River Basin L. Wye  
 Type of Gauge Snowdon

Annual Average 62.1 in. based on 33 years obs. un-weighted. Period of average 1881-1915 Ref. A.M.S.  
62.80 - - 18 - - (withn) 1938-56 File No. 53170 45 S

Diameter ...	5"				465	365						
Height ...	1'0"					1						
Altitude ...	832'					51						
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means Totals	
January ...	7.03	9.16	2.14	(538)	4.79	8.92	6.85	7.31	8.65	8.78	69.01	
February ...	7.54	3.11	2.25	5.67	3.80	0.95	7.50	9.57	0.69	8.67	50.35	
March ...	6.92	3.04	5.13	4.87	4.94	4.05	5.16	1.99	5.18	3.29	44.57	
April ...	5.91	3.29	4.99	1.20	3.38	2.30	0.26	1.75	6.52	5.43	35.03	
May ...	2.71	3.88	3.19	4.08	7.12	0.96	3.35	4.76	2.41	2.45	35.91	
June ...	1.23	3.92	2.14	6.43	6.89	2.98	2.60	4.53	2.94	2.90	36.56	
July ...	2.08	1.93	5.56	4.74	1.22	4.04	6.13	5.62	4.37	5.52	41.21	
August ...	5.83	5.70	4.49	5.91	1.51	7.64	8.66	4.70	0.59	4.33	48.76	
September ...	5.17	4.48	6.23	6.53	4.14	6.54	11.27	9.28	0.32	4.98	58.94	
October ...	1.53	6.87	3.71	8.84	4.67	4.11	5.09	5.49	8.05	8.65	57.01	
November ...	12.72	4.73	5.51	11.87	4.99	3.34	4.12	3.66	7.83	11.97	70.74	
December ...	8.71	6.34	2.21	7.10	7.37	(7.64)	5.17	5.89	14.16	9.10	73.69	
TOTALS ...	68.18	56.45	48.15	72.62	54.82	53.47	66.16	64.15	61.71	76.07	621.78	10
	D	D	D	D	D	D	D	D	D	D		

Gauges site overhauled Mar 1953, also 7.7.53.

1955. Station overhauled 24.8.55.

July 1959 1.65%. Trees 90', 90' W-UV. Overland 5510-5510-55E 2 N-NNE. No good site available.

Turf-wall fair

1959. r.p. low

40004

00014

1960 site opened up by lopping trees to 35 ft. 1<sup>st</sup> March 1960.

8 Turf wall round gauge

Position of Station on Ordnance One-Inch map : No. of Map ..... National Grid Reference SN916625

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

Summary of Earlier Records from 10-year Sheets :

1916-1950, P - Rejected

	1910-19	1920-30	1931-40	1941-50	1951-60
Record D, or d	D	D	D	D	D