

RAINFALL at

Rhayader, PENYALLEY

County of

Radnor

Observer

Meteorological Office

River Basin

Wye - 1.

(E.D. Protherby)

Rain Gauge, by

Diameter ...											
Height											
Altitude ...								757			
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...								2.25	4.88	5.18	
February ...								1.10	4.37	2.74	
March								3.11	2.56	9.57	
April								2.09	1.61	3.09	
May								3.85	3.54	7.5	
June								2.09	1.50	2.16	
July								2.32	4.29	1.59	
August								9.65	1.85	3.29	
September...								2.48	9.46	1.90	
October ...								7.87	3.70	2.65	
November ..								3.62	3.66	3.57	
December...								1.81	8.74	10.12	
TOTALS ...								42.24	50.16	44.41	

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

RAINFALL at *Rhayader, Penrhydydd*County of *Radnor*Observer *E.D. Brotherton, Esq.*River Basin *Wye - /**J. Jones.*
Clerk to U.D.C.*Snarwater* Rain Gauge, by *Parkin on Gofa*
5.00 all in

721

Diameter ...	<i>5</i>										
Height	<i>1.0</i>										
Altitude ...	<i>758</i>										
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 <i>Mean</i>
January ...	<i>6.01</i>	<i>6.42</i>	<i>6.76</i>	<i>5.11</i>	<i>5.43</i>	<i>5.60</i>	<i>5.94</i>	<i>6.44</i>	<i>9.99</i>	<i>1.61</i>	<i>7.86</i>
February ...	<i>3.81</i>	<i>.33</i>	<i>5.68</i>	<i>12.66</i>	<i>.55</i>	<i>8.00</i>	<i>2.70</i>	<i>4.41</i>	<i>4.64</i>	<i>1.24</i>	<i>.69</i>
March	<i>7.08</i>	<i>4.48</i>	<i>3.78</i>	<i>2.19</i>	<i>1.95</i>	<i>1.62</i>	<i>1.48</i>	<i>4.83</i>	<i>3.68</i>	<i>.29</i>	<i>3.15</i>
April	<i>7.53</i>	<i>1.45</i>	<i>4.34</i>	<i>3.46</i>	<i>3.88</i>	<i>3.72</i>	<i>2.66</i>	<i>2.76</i>	<i>1.89</i>	<i>.89</i>	<i>4.02</i>
May	<i>4.22</i>	<i>1.64</i>	<i>.57</i>	<i>3.75</i>	<i>5.82</i>	<i>4.08</i>	<i>2.39</i>	<i>1.69</i>	<i>0.80</i>	<i>2.88</i>	<i>3.04</i>
June	<i>3.21</i>	<i>.72</i>	<i>1.77</i>	<i>.59</i>	<i>2.20</i>	<i>.20</i>	<i>1.96</i>	<i>5.64</i>	<i>5.00</i>	<i>3.55</i>	<i>1.19</i>
July	<i>4.96</i>	<i>1.75</i>	<i>5.73</i>	<i>3.48</i>	<i>6.39</i>	<i>3.16</i>	<i>5.88</i>	<i>5.08</i>	<i>2.73</i>	<i>2.71</i>	<i>4.80</i>
August	<i>1.55</i>	<i>4.85</i>	<i>3.08</i>	<i>4.63</i>	<i>4.79</i>	<i>4.78</i>	<i>4.19</i>	<i>7.60</i>	<i>5.13</i>	<i>1.87</i>	<i>5.30</i>
September...	<i>2.99</i>	<i>1.41</i>	<i>4.05</i>	<i>4.82</i>	<i>7.52</i>	<i>3.86</i>	<i>2.96</i>	<i>4.99</i>	<i>1.51</i>	<i>1.93</i>	<i>6.66</i>
October	<i>5.05</i>	<i>1.96</i>	<i>1.59</i>	<i>9.20</i>	<i>5.90</i>	<i>5.68</i>	<i>4.49</i>	<i>3.83</i>	<i>6.97</i>	<i>6.41</i>	<i>6.60</i>
November...	<i>1.69</i>	<i>3.81</i>	<i>2.23</i>	<i>5.13</i>	<i>4.15</i>	<i>3.23</i>	<i>8.80</i>	<i>3.69</i>	<i>8.61</i>	<i>11.56</i>	<i>6.15</i>
December...	<i>4.36</i>	<i>3.77</i>	<i>6.48</i>	<i>4.03</i>	<i>7.53</i>	<i>4.35</i>	<i>1.54</i>	<i>3.43</i>	<i>3.78</i>	<i>13.00</i>	<i>6.82</i>
TOTALS...	<i>52.46</i>	<i>32.59</i>	<i>46.38</i>	<i>59.05</i>	<i>56.11</i>	<i>47.98</i>	<i>44.99</i>	<i>54.39</i>	<i>54.75</i>	<i>47.94</i>	<i>56.28</i>

*J. Defective Cl. 15.7.21 J. at 11 in. J. at highest point in
rather exposed position. Slopes down gradually on all sides except E.
Snowed over exposed.*

1700 Jan 50 ft. hix 180 ft. n.

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	Parish Church.	Distance from gauge	Direction from gauge
<i>1920.</i>	<i>51°</i>	<i>33' 14"</i>						
<i>1922</i>	<i>52° 03'</i>	<i>3° 30' 31"</i>	<i>Rhayader</i>	<i>100 yds</i>	<i>SW</i>	<i>Rhayader</i>	<i>325 yds</i>	<i>SS.W.</i>

deleted 1937

31

RAINFALL at Rhayader (Penrally) for M.W.R. onlyCounty of RadnorObserver R. Ashton (read by Mr. Vaughan)River Basin 1 - WyeE.D. Loothegs (M.O.)

Type of Gauge.....

Annual Average 50.6 in. based on years obs. un-weighted. Period of average 1881 - 1915. Ref. S. Inst 193485312/36

Diameter	5										
Height	1' 0"										
Altitude	757'										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January	5.44	7.53 8.04	4.14 4.87	4.86 5.83	2.16 2.72	6.48	9.46	8.14	7.83	3.66	6247
February	4.93	4.2 5.87	5.37 5.87	4.3 5.2	6.08 7.17	2.78	4.35	3.15	5.50	3.23	4167
March	1.59	3.34 3.64	3.31 3.60	4.03 4.71	1.40 1.85	3.08	3.16	.56	2.69	2.64	2752
April	3.90	4.64 5.17	1.01 1.09	3.52 3.93	6.73 6.88	2.62	2.87	.29	3.39	2.74	3288
May	5.47	4.67 5.00	1.37 1.49	2.01 2.33	1.71 1.99	1.92	1.66	4.24	0.83	2.29	2722
June	3.85	1.89 1.80	4.37 3.85	1.79 1.46	4.47 3.50	6.26	1.89	3.22	1.95	.66	3035
July	3.55	5.70 3.12	3.01 5.51	1.68 2.66	.56 1.39	6.40	2.69	3.83	7.63	4.46	3951
August	5.04	1.71 4.36	1.40 1.49	5.14 4.22	1.44 1.28	.47	.77	3.32	3.34	.45	2208
September	2.91	4.32 2.63	1.15 3.82	3.27 3.99	10.11 2.54	3.80	2.30	1.02	0.73	1.96	3157
October	1.78	8.97 1.52	6.96 8.07	4.83 5.94	7.20 4.16	6.10	3.90	7.16	2.57	5.58	5218
November	9.40	4.86 1.53	1.99 1.53	6.95 1.99	5.38 6.95	5.46	1.52	7.47	10.19	1.64	6101
December	3.09	3.93 2.54	2.03 3.37	10.76 1.81	4.49 8.96	3.34	6.79	3.96	5.69	4.43	4833
TOTALS	50.95	53.40	37.37	46.78	55.83	49.96	41.81	48.09	49.81	43.74	47774

III/35 Gauge leaking repaired.

Inspected Sept 1936. Site not ideal - gauge over-exposed.

Jan 1937. Luff wall erected round gauge

Footnote in B.M. 1937. + Station formerly known as Rhayader (Penrally)

Values July 1931 to Dec 1935 revised 9/37 - for workings see 1935 return.

Note. values red ink ideal for all. & compare with B.M. 1937 that will not produce

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	Direction

RAINFALL at ² Rhayader, PENYALLEX Station No. M.W.R. 4234 41

County of RadnorObserver R. Ashton, Esq. for M.O.River Basin 1-Wye

Type of Gauge.....

Annual Average ^{54.5}~~54.5~~ in. based on years obs. ~~un~~-weighted. Period of average 1881-1915 Ref. S. 9 ^{A.W.S.}~~1915~~File No. 4552/35

Diameter	5				464	682					
Height	1 0					3					
Altitude	757					44				700	
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	3.06	4.93	8.15	5.18	3.66	6.15	4.02	10.64	2.58	1.37	
February	4.26	0.71	4.23	1.80	4.67	8.33	1.87	2.65	2.89	9.41	
March	2.73	2.82	1.33	0.56	1.30	0.95	7.80	2.57	2.17	2.38	
April	1.41	3.40	1.17	1.61	1.76	1.46	3.75	3.50	3.99	4.17	
May	3.15	6.42	3.97	1.99	3.19	3.09	3.46	2.52	3.47	1.49	
June	1.13	1.04	2.64	1.82	(4.20)	4.86	2.24	3.52	0.68	1.47	
July	2.21	3.71	2.02	2.14	2.33	2.22	3.38	1.73	1.05	3.84	
August	5.55	3.36	4.77	2.94	3.49	5.95	0.42	3.63	2.60	6.66	
September	2.29	2.79	6.63	3.21	2.81	6.92	2.26	3.71	2.91	7.94	
October	6.36	3.83	5.56	7.36	5.22	2.45	0.71	3.64	6.72	2.50	
November	3.50	0.64	4.64	6.00	1.12	8.42	4.52	2.31	7.41	7.29	
December	3.53	6.83	2.78	4.41	5.66	5.24	4.15	9.17	8.15	3.38	
TOTALS	39.18	40.48	47.89	39.03	39.41	56.04	38.78	44.59	44.10	51.90	

Average of 50.6" does not fit present record - is deleted on being too big from 1881-43. The value of 47.0 in. has been adopted for 1881-43 & 1940-42.

1944 n.p. low.

1945 July well broken down, repaired 7/45.

Inspected. Inner router can of gauge leaking. Found round by screw wash. New 5" gauge reamed 21.0.47.

1948. New gauge sent 1.4.48

1947 n.p. low, gauge leaking 1948 gauge leaking until new gauge sent. n.p. low.

2 Turf wall round gauge. X

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

No. of Map.....

Reference No. 22-97683

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

BRITISH RAINFALL ORGANIZATION

Station No. 4254RAINFALL at 9 Rhayader, PEN VALLEY

51

County of Radnorshire Observer R. Ashton, Esq for M.O.River Basin 1-Wye

Type of Gauge.....

Annual Average 47.0 in. based on 7 years obs. ~~un~~-weighted. Period of average 1881-1915 Ref A. 05.File No. E. 16666/53

Diameter ...	5"				464	682					
Height ...	1'0"					1					
Altitude ...	157'					51					
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...	5.11	7.36	1.49	3.49	3.87	7.65					
February ...	5.15	2.07	3.03	4.12	2.90	.96					
March ...	5.83	1.72	4.30	3.91	4.26	3.03					
April ...	4.33	2.53	3.34	1.14	2.43	-100 th					
May ...	3.53	3.69	1.92	3.33	5.61						
June ...	0.90	2.59	1.34	4.96	6.64						
July ...	1.97	1.90	4.37	3.47	.81						
August ...	4.15	4.49	4.18	5.43	1.43						
September ...	3.77	3.65	4.94	5.52	2.26						
October ...	1.07	5.99	3.14	6.30	3.79						
November ...	10.15	3.12	4.15	10.07	4.08						
December ...	5.83	6.21	1.57	5.24	5.68	-100					
TOTALS ...	51.80 D	45.32 D	37.77 D	57.04 D	42.76 D	-100					

Termination action w.s.f. March 1956 incl. 54A on file.

5 Turf wall round gauge

Position of Station on Ordnance One-Inch map :

No. of Map.....

National Grid Reference 22-971623

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	C 1917-18 - 1919 D	1920 D	D	1941 -45 D 1944 -46 NP 1947 -48 NP 1949 -50 D	