

RAINFALL AT

Welshpool County School

Lat. _____

Lon. _____

County of

Montgomery

Deep Tunnel

Rain Gauge, by

Philip Harris

Observer

D. E. Pritchard Esq

Seven, L. bank - 5.

Diameter ...										5	
Height										10	
Altitude ...										263	
Year ...	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ...											
February ...											
March											
April										2.59	
May57	
June										3.34	
July										1.91	
August										1.25	
September ..										2.71	
October ...										4.06	
November ..										.86	
December ...										3.62	
TOTALS ...											

Welshpool church 3/4 mile N W

Station 150 yards N E

School 25 ft. hgt 38 yards S W

The Seren 4.9 ft hgt 5 ft E

RAINFALL at Welshpool County SchoolCounty of MontgomeryObserver W.E. Whitehouse Esq L.R.P.R.M.S.River Basin Severn - Left Bank Tributaries 5W.H. Brooks Esq P. Pinfanter EsqRise of Rain Gauge, by Philip Harris
(deep Fallow)D.D. John Esq (1916)
W.D. Lewis Esq

Diameter ...	5											
Height	1.0											
Altitude ...	263 T	R					256	252		262		
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	1916-19 Means Totals	
January ...	2.81	.48	3.32	3.62	1.41	3.35	1.79	1.05	2.23	2.79	7.86	
February ...	2.71	1.90	1.45	1.39	2.87	5.17	4.21	.72	2.50	1.96	9.39	
March56	1.26	3.72	5.44	3.32	.62	3.47	1.93	1.12	5.02	11.54	
April	2.48	.82	.30	4.64	1.32	1.45	1.33	1.37	1.20	1.42	5.32	
May	1.84	1.68	1.86	2.90	1.33	2.96	3.30	3.35	1.86	.56	9.07	
June	2.69	3.48	4.14	1.93	3.00	.58	2.35	3.21	1.54	1.60	8.70	
July	2.32	.84	3.13	.86	4.17	4.93	1.71	2.09	3.75	1.18	8.73	
August	3.39	2.14	5.79	1.79	3.22	5.10	1.71	5.09	1.12	2.25	10.17	
September57	2.69	.76	1.87	1.51	.81	1.84	2.20	7.32	.57	11.93	
October ...	3.51	3.60	3.38	4.42	2.19	2.99	4.99	3.46	1.86	3.46	13.77	
November ...	4.32	3.69	2.65	3.17	2.92	3.06	2.17	1.39	1.00	1.51	6.07	
December ...	5.69	4.02	4.11	2.09	8.13	6.57	2.09	1.36	4.25	4.07	11.77	
TOTALS ...	32.89	26.60	34.61	34.02	35.41	37.59	30.96	27.22	29.75	26.39	114.32	

1912 School 28 ft high 30 yds SW
 1915 Screen 4 ft high 3 ft E
 1916 Flagstaff 15 yds high 10 yds NNW

✓

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
1911	52° 34' 20"	3° 8' 28"	Welshpool	150 yds	NE	Welshpool St Mary's	½ mi	NW

RAINFALL at Waldpool (County School)County of MonaghanObserver: John Ward, Esq.River Basin 5 - Suir, L. bank.1925 ~~last~~ ~~Office~~ ~~press~~ Rain Gauge, by _____

Diameter ...	5"													
Height	1.0													
Altitude ...	252		262	255	263	254								
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 MEANS.	1920-30 Totals		
January ...	2.99	3.54	4.61	1.84	2.58	2.13	2.96	3.37	6.43	1.06	4.69	37.20		
February ...	2.70	4.6	3.62	4.95	5.6	3.85	2.43	1.87	2.75	1.64	.76	24.59		
March	3.56	1.87	3.20	1.09	1.32	.84	.74	3.01	2.17	.48	2.83	21.11		
April	4.28	.75	2.07	1.86	3.46	1.00	1.61	2.74	1.35	.92	3.44	23.48		
May	2.54	1.91	.99	2.68	3.32	3.21	2.75	1.25	1.45	1.59	1.46	23.15		
June	3.33	.32	1.40	.30	3.00	.04	1.02	4.16	3.84	2.28	.87	20.56		
July	4.90	1.31	3.94	3.21	4.45	1.74	3.13	2.86	1.28	2.21	3.29	32.32		
August	1.34	4.68	1.17	3.73	3.46	2.37	2.69	5.28	3.33	2.39	2.05	33.19		
September...	2.04	.97	2.29	2.19	3.45	1.91	2.16	4.92	1.60	1.39	3.99	27.21		
October	2.77	1.96	1.10	4.68	4.94	3.66	3.01	2.83	2.55	3.54	3.95	34.99		
November...	1.53	3.03	1.34	2.07	2.50	1.68	4.67	4.38	6.15	6.60	4.68	38.69		
December...	2.20	3.73	4.16	3.21	2.78	2.85	.65	2.43	2.58	7.14	4.57	36.30		
TOTALS	24.24	24.53	30.59	31.81	36.12	26.28	27.82	39.10	35.48	30.24	36.58	352.79		
	0	0	0	0	0	0	0	0	0	0	0	0		

1920. "Weather station 576.4 ft. 2 1/2 ft. N.W.E."

1922 School 40 ft. high 50 ft. N.W. (g. is "open shelter")

1925 Stevenson screen 5' high 6' E

Position of Station on reduced Ordnance Survey.
Map, 2 miles to 1 inch Series

No. of Map

Reference No.

Date.	Lat. N.	Long. W.	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance from gauge	Direction
1920.	53° 39' 40"	3° 8' 28"	Waldpool	120 yds.	N.W.E.	St. Mary's	750 yds.	N.W.W.

RAINFALL at Welshpool (County School) M.W.R.County of Montgomery Observer John WardRiver Basin 5-Severn - Left Bank W. Headmaster

Type of Gauge

Annual Average 39.1 in. based on 13 years obs. un-weighted. Period of average 1881-1915 Ref. S
W.D.S.

Diameter	5					5"						
Height	1.0					1'0"						
Altitude	254					254						
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means 1931-40	Total
January	2.00	3.72	1.83	3.07	.72	4.07	4.32	4.58	6.80	3.39	3.450	
February	2.95	.12	3.75	21	3.41	1.48	5.83	1.04	2.51	2.44	2.974	
March	.87	2.98	1.88	1.99	.91	2.12	1.83	.31	2.47	2.20	1.786	
April	2.92	3.93	.64	3.25	2.87	1.72	1.63	.10	2.13	2.40	2.159	
May	4.76	3.89	2.02	1.49	.62	1.20	2.02	2.76	.90	1.98	2.164	
June	4.04	.52	3.39	1.48	2.99	3.62	.97	2.54	1.77	1.87	2.319	
July	3.33	7.46	2.00	1.19	.42	4.39	1.94	3.84	7.50	2.85	3.492	
August	4.05	1.37	.73	1.89	1.23	.47	2.79	2.77	.97	.18	1.645	
September	2.44	2.29	.93	1.51	5.26	3.12	1.39	1.03	1.19	1.68	2.084	
October	.78	4.31	2.88	2.42	4.54	2.06	3.27	4.55	2.34	4.28	3.143	
November	4.72	2.37	.52	1.98	3.66	3.09	1.77	5.30	4.62	8.40	3.643	
December	1.49	1.40	1.00	4.30	2.39	3.74	2.50	3.80	2.10	1.75	2.447	
TOTALS	34.35	34.36	21.57	24.78	29.02	31.08	30.26	32.62	35.30	33.42	306.76	

Inspected 26/5/34
" 24/9/36. Very satisfactory.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 from gauge	Parish Church.	Distance from gauge	Direction from gauge

Station No. 4252

RAINFALL at Welshpool (County School) / M.W.R 41

County of Montgomery Observer The Headmaster

River Basin 5. Severn left Bank

Type of Gauge M (1941)

Annual Average 30.1 in. based on 13 years obs. un-weighted. Period of average 1881-1915 Ref. S. A.W.S.

File No.

Diameter	5				404	215						
Height	10					1						
Altitude	254					41						
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means Totals	
January	4.19	2.93	4.56	3.20	2.34	3.17	2.09 1.29 2.41	7.24 2.02 2.33	1.56	0.90	32.18	
February	2.64	0.69	1.80	1.78	2.59	3.84	1.27 6.06 5.88	2.41 1.02 1.98	1.20	6.24	24.48	
March	2.44	2.18	0.91	0.46	0.91	1.62	2.12 2.05 1.48	1.98 1.75 1.42	1.41	1.50	18.51	
April	0.97	2.16	1.33	1.17	1.95	1.28	2.12 2.48 1.75	1.42 1.83 2.94	2.23	3.55	18.24	
May	2.38	4.59	3.11	2.48	2.90	2.36	2.48 1.65 1.58	1.83 2.94 2.84	3.29	1.20	27.12	
June	1.38	0.54	2.44	2.28	3.29	2.52	2.43 2.93 0.38	1.41 1.35 4.24	0.63	1.11	18.80	
July	1.33	2.85	1.19	1.61	1.63	1.96	2.93 0.41 2.09	1.35 2.10 2.32	1.83	3.31	20.05	
August	3.21	2.31	2.24	2.71	3.89	5.04	2.01 0.39 2.77	2.25 2.04 2.51	1.19	4.75	31.26	
September	0.63	1.70	2.61	3.15	2.60	3.84	2.09 2.01 0.41	2.32 2.25 2.10	1.19	4.75	24.88	
October	2.87	1.46	4.03	3.63	4.54	1.38	2.39 2.88 2.77	2.04 2.61 2.51	4.47	1.87	26.75	
November	2.16	0.60	2.86	4.50	0.39	4.98	2.61 2.61 2.54	3.87 3.87 3.75	4.40	3.82	29.20	
December	1.34	3.40	1.67	2.64	3.81	2.74	2.54	3.75	3.94	2.35	28.37	
TOTALS	25.54	25.41	28.77	29.61	30.84	34.73	27.49 26.64	33.47 32.35	27.76	36.25	299.87	

1948. Totals amended (in red ink) by allowance for errors in measuring glass (Enc. SA. 3.16 EY209/48)

1947 Totals amended from Feb. 12 by allowance for errors in measuring glass (Enc. SA. file EY204/48 (12.11.50. 3.6)

26.11.99 A.M.D.

[New measure (paper) taken into use 10.11.49. (Rainfall 1st-9th corrected)]

20.10.49. Inspected by Dr. Thompson. Site very good & gauge in good condition. Unofficial measure was 1.5 inches and found 15% in error. 6

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. 9252

RAINFALL at Welshpool (County School) H.H.R. 1252

County of Montgomery

Observer The Headmaster

River Basin S-Slope on left Bank

Type of Gauge _____

Annual Average 30.1 in. based on 13 years obs. ~~100~~-weighted. Period of average 1881-1915 Ref. S
 " " 30.68 " " 35 " " 1916-50 " 1916-50 Ref. AW.S.
 File No. _____

Diameter ...	<u>5"</u>	<u>424215</u>									
Height ...	<u>1'</u>	<u>1</u>									
Altitude ...	<u>254'</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>	Means
January ...	<u>3.69</u>	<u>3.33</u>	<u>0.73</u>	<u>2.21</u>				<u>2.99</u>	<u>4.75</u>	<u>5.91</u>	
February ...	<u>4.18</u>	<u>0.77</u>	<u>1.74</u>	<u>2.22</u>				<u>3.91</u>	<u>.20</u>	<u>3.59</u>	
March ...	<u>4.50</u>	<u>1.29</u>	<u>1.85</u>					<u>.65</u>	<u>2.63</u>	<u>2.03</u>	
April ...	<u>2.23</u>	<u>1.13</u>	<u>2.44</u>						<u>3.15</u>	<u>1.02</u>	
May ...	<u>3.93</u>	<u>1.94</u>	<u>1.42</u>				<u>1.42</u>	<u>2.41</u>	<u>1.64</u>	<u>0.99</u>	
June ...	<u>0.92</u>	<u>2.00</u>	<u>1.09</u>				<u>1.58</u>		<u>2.56</u>		
July ...	<u>1.43</u>	<u>1.16</u>	<u>3.25</u>				<u>4.05</u>		<u>3.01</u>		
August ...	<u>3.83</u>	<u>3.69</u>	<u>2.29</u>						<u>.51</u>		
September ...	<u>2.06</u>	<u>2.39</u>	<u>2.58</u>				<u>5.30</u>		<u>1.14</u>		
October ...	<u>1.38</u>	<u>4.11</u>	<u>1.88</u>					<u>3.06</u>	<u>2.88</u>		
November ...	<u>6.23</u>	<u>2.66</u>	<u>2.25</u>					<u>1.59</u>	<u>3.63</u>	<u>5.48</u>	
December ...	<u>4.24</u>	<u>2.65</u>	<u>0.99</u>					<u>2.02</u>	<u>5.22</u>		
TOTALS ...	<u>38.62</u>	<u>27.12</u>	<u>22.51</u>	<u>[inc]</u>			<u>[inc]</u>	<u>[inc]</u>	<u>30.32</u>	<u>inc</u>	
	<u>D</u>	<u>D</u>	<u>D</u>	<u>np</u>			<u>np</u>	<u>np</u>	<u>np</u>	<u>np</u>	

1954 n.p. map
1957 n.p. inc
1958 n.p. inc
1959 n.p. readings unreliable.
1960 np inc.

Position of Station on Ordnance One-Inch map: _____ No. of Map: _____ National Grid Reference 55 53 228070

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

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

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	
	<u>Don't 1917-18 blank</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	