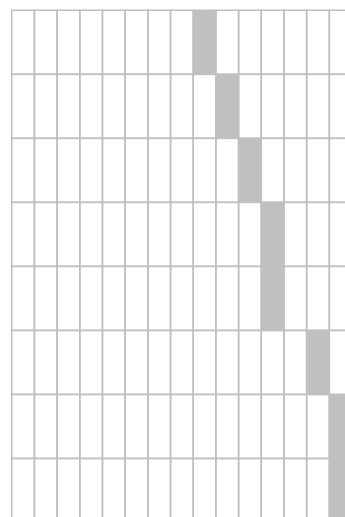


[GitHub link]

TYRain_1890-1899_20_pt1-page-015.jpg	Page 2
TYRain_1900-1909_25_pt1-page-168.jpg	Page 3
TYRain_1910-1919_24_pt1-page-016.jpg	Page 4
TYRain_1920-1930_27_pt1-page-012.jpg	Page 5
TYRain_1920-1930_27_pt1-page-030.jpg	Page 6
TYRain_1941-1950_26_pt1-page-119.jpg	Page 7
TYRain_1951-1960_23_pt1-page-323.jpg	Page 8
TYRain_1951-1960_23_pt1-page-344.jpg	Page 9



RAINFALL AT

Phayader Tyrmynydd

Hydro No

4227

465368

NCR SN 914625

HT 832 ft

Lat.

Lon.

County of

Radnor

Rain Gauge, by

Observer

G. M. Youndie Esq. Ch.

Wye - 1.

Diameter						5						
Height						10						
Altitude						832						
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)	(72.31)	(45.15)	(56.04)	(70.03)	52.26	56.98	63.38	55.30	63.77	(59.211)	

Cwmadreddor Church 5 miles NE

House 20 ft high 320 ft SE

Tree 50 ft - 140 ft 5 120 ft SSW

River 500 ft N

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

23. x . 9 . 5.

RAINFALL AT

Phayader Tynydd

Hydro No. 4227

465365

N.G.R. S.W. 914625

Ht 832 ft

Lat.

Lon.

County of Radnor

Rain Gauge, by

Observer

G. M. Youndi Esq. Cl.

E. Anthony 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	4.06 3.13	4.97	6306
February ..	6.16	2.42	2.22	6.62	7.45	4.14	7.00	3.88	5.26 4.06	1.57	4672
March	1.44	7.11	3.59	12.54	3.23	8.80	5.61	2.97	6.92 5.24	4.74	5695
April	2.99	5.90	2.56	2.85	4.35	6.67	1.92	3.47 2.65	4.66 3.60	5.42	4079
May	4.07	1.23	3.90	4.95	2.78	.73	4.82	5.16 3.89	4.18	2.66	3448
June	3.83	3.28	3.07	3.50	2.08	2.56	3.03	6.48 5.80	1.60	2.88	3231
July	2.36	2.43	3.36	3.20	2.70	2.04	1.44	6.12 4.72	5.93	5.08	3466
August	6.54	3.91	5.55	8.94	4.04	8.12	5.55	5.60 4.32	7.12	2.97	5834
September ..	2.08	3.34	3.45	6.56	3.25	2.52	1.43	1.18 .91	3.99	4.99	3279
October	8.14	3.90	5.01	15.32	3.01	5.09	8.86	7.52 6.80	3.43	9.99	7027
November ..	5.67	4.51	5.42	6.70	4.13	5.93	5.61	4.92 3.81	4.91	2.94	5074
December ..	9.59	9.65	7.11	6.67	5.20	2.37	7.04	8.49 6.55	6.14	9.36	7162
TOTALS ..	60.63	54.23	48.71	87.01	50.95	52.66	63.49	57.28 48.02	58.20 53.43	57.57	59.23

1906 Phayader Station

previous to 1907 when it was removed

1907. Gauge was surrounded by a fence. 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 as 23.23.09.

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

Hydro No 4227
465 365
NGR. SN 914 625

15

10
Ht 832 ft.

RAINFALL at Birmingham W.D. Tyrmynydd

County of Radnor Observer E. Anthony Lesley

River Basin Wye 1

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	0.54	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	3.32	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	9.26	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	12.27	29.04	
TOTALS ...	74.06	59.14	70.49	62.77	71.19	65.31	62.65	54.62	63.49	55.56	236.12	

+ Inspected

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

Form B.R. H. 20.

Hydro. No. 4227
465 365
N.A.R. S.N. 914 625

20

RAINFALL at Birmingham (Tyrmynydd)County of RadnorObserver J.W. Macaulay, Esq., C.E.River Basin Wye - /Birmingham WSW.Cap. Lowden 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...	65.27	44.95	56.83	71.32	67.62	63.91	59.96	71.76	70.46	61.63	71.38	705.09

Inspected C.E. 11.7.21. High trees in NW about 45 degrees. No improvement can be made. It can now be expected to give accurate results with W. wind. Better position than at the old gauge which was N.W.

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

METEOROLOGICAL OFFICE, AIR MINISTRY.

BRITISH RAINFALL ORGANIZATION, 62, CAMDEN SQUARE, LONDON, N.W.1.

(1933) Wt. 1671-0044. 10,000. 4/21. J.T. & S., Ltd. 160.

Form B.R. H. 20.

4242

20

RAINFALL at Birmingham W.W. (Tiger) No. 2County of BedfordObserver J.W. Macaulay, Esq. C.E.River Basin Wye - 1J.W. Wilkinson C EBanbury Rain Gauge, by Asella
No. 4 5.00 all over
7 1/2

Diameter ...	5											
Height	1.0											
Altitude ...	1700											
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 MEANS.	1920-30 Totals
January ...	10.90	12.30	9.90	13.84	7.30	9.08	10.02	12.07	(16.13)	(3.41)	12.55	117.50
February ...	6.44	9.00	11.93	17.76	2.80	14.80	7.12	7.33	(11.87)	(2.49)	7.70	84.14
March	7.45	9.13	6.20	4.30	2.35	4.65	6.07	8.23	4.90	1.10	5.65	61.03
April	10.50	2.85	5.35	4.30	6.45	6.18	3.82	6.57	3.25	1.70	5.25	56.22
May	7.60	3.84	3.45	9.05	8.60	6.35	5.45	3.40	2.35	4.10	5.15	59.34
June	4.85	1.23	5.76	3.56	4.62	4.3	5.10	10.57	11.15	7.10	2.90	57.27
July	10.10	4.65	7.63	7.65	(2.47)	5.32	9.42	8.25	6.95	7.30	12.30	88.04
August	4.20	11.30	5.97	8.76	12.10	6.63	9.23	14.57	9.70	7.50	10.10	100.06
September...	7.80	4.20	9.63	10.80	10.36	8.22	6.88	(10.84)	3.20	2.70	9.85	84.48
October	6.90	4.30	2.62	16.42	9.67	11.73	8.42	(7.73)	10.75	12.20	14.95	105.69
November...	3.30	5.70	3.95	8.60	5.70	5.73	10.87	8.45	17.00	18.10	12.65	100.05
December...	5.85	12.76	8.40	12.70	(11.55)	8.62	4.18	3.65	9.20	16.95	10.20	104.06
TOTALS...	85.89	73.16	80.79	117.74	(90.97)	87.74	86.58	101.66	106.45	84.65	102.25	1017.88

Inspected Oct 13.21. g. about 4 mi NE of No 1 on perfectly flat
morr. Top of wall 1.6" high from base with keels & shall be maintained at
least this height. Since good site under circumstances; certainly best obtainable
If this wall maintained at present the record should be good

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

METEOROLOGICAL OFFICE, AIR MINISTRY.

BRITISH RAINFALL ORGANIZATION, 62, CAMDEN SQUARE, LONDON, N.W.1.

(*1583) Wt. 1671-6044. 10,000. 4/21. J.T. & S., Ltd. 160.

A.M. Form 1603. **Air Ministry, Meteorological Office.**Hydro No. 1465365
N.R. 5N 914625
H 832 ftRAINFALL at Birmingham W.W. (Tyrmynydd) ✓Station No. 4227

41

County of RadnorObserver A.A. Barnes, Esq., C.E.River Basin 1 - WyeC.A. Richmond, Esq., C.E.Type of Gauge SwanstonFeb. 1940 Birm. Water BillAnnual Average 62.1 in. based on years obs. un-weighted. Period of average 1881-1915 Ref. File No. 660552/26 3170/45

Diameter	5			465	363							
Height	1 3				1	1' 0"						
Altitude	832				41							
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1941-50 -Means Totals	
January	5.02	7.45	10.45	7.13	5.24	7.78	6.16	15.75	3.37	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	3.54	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	62.37	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. Insp. by eng. G. looked in ground).
1947. man. used for snow by observer

1000 A

53 7' 8 3

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.

BRITISH RAINFALL ORGANIZATION

A.M. Form 1903. **Air Ministry, Meteorological Office.**RAINFALL at S. Birmingham WW (Tyrmynydd)Station No. 4227

51

County of RadnorshireObserver C. A. Risbridger Esq C.E.River Basin 1 - WyeType of Gauge SnowdonAnnual Average 62.1 in. based on 35 years obs. un-weighted. Period of average 1881-1915 Ref. A.M.S.
.. 62.80 .. 18 .. (with) 1938-56 File No. 1916-1950/45 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	(5.38)	4.79	8.92	6.85	7.31	8.65	8.78	69.01
February ...	7.54	3.11	2.85	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 ...	5.63	5.70	4.49	5.91	1.51	7.64	8.66	4.20	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
	D	D	D	D	D	D	D	D	up	D	10

Gauge & site overhauled Mar 1953, also 7.9.53.

1955. Station opened 24.8.55.

Ink. 11.5.57. Trees 90', 90' W-NW. Overhead 55W-SE & N-NW. No good site available.
Turf-wall fair.

1959. up low

1960 site opened up by topping trees to 35 ft. 1st March 1960.

S Turf wall round gauge

Position of Station on Ordnance One-Inch map :

No. of Map.....

National Grid Reference SN 914625

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

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

A.M. Form 1903. **Air Ministry, Meteorological Office.**RAINFALL at E Birmingham WW (Fig 11) 2Station No. 4242 TF19

51

County of RadnorshireObserver C. A. Risbridger Esq. CERiver Basin 1 - WyeType of Gauge OctapontAnnual Average 81.3 in. based on Feb 1940 Bim. W. Rill. years obs. un-weighted. Period of average 1881-1915 Ref. 1916-1930
85.87 " " 35 " " 1916-1950 File No. E 3170/45 P

Diameter ...	5"				465	007					
Height ...	1'0"					1					
Altitude ...	1700					51	1620'				
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means Totals
January ...	8.30	8.35	4.65	(7.05)	6.80	(9.60)	7.15	7.40	10.00	12.05	81.35
February ...	8.55	6.40	4.70	8.40	3.15	2.00	6.45	10.95	2.20	10.80	63.60
March ...	10.00	4.00	6.95	5.70	4.75	5.55	6.55	2.05	4.85	4.50	54.90
April ...	7.80	3.25	6.00	3.95	6.80	3.25	0.85	3.70	7.75	6.45	49.80
May ...	3.90	3.90	4.05	4.65	8.30	2.75	3.45	4.85	1.65	2.45	39.95
June ...	1.85	5.05	2.25	7.15	7.85	4.70	3.65	5.45	3.55	3.50	45.00
July ...	3.85	(3.10) 2.60	10.45	9.00	1.15	5.45	10.05	5.05	6.35	(9.65)	64.10
August ...	8.35	(7.35) 6.65	(6.50)	(9.55)	2.00	11.15	(15.00)	5.60	1.00	7.75	74.25
September ...	5.90	(7.50)	7.85	8.85	6.90	(8.00)	15.70	9.60	0.75	6.70	77.75
October ...	3.05	9.50	4.50	12.95	6.85	5.45	8.25	8.90	11.45	7.15	78.05
November ...	16.85	(6.50)	6.85	12.00	4.45	5.55	4.55	4.00	9.30	13.55	81.60
December ...	11.10	(8.95)	3.45	12.25	8.40	(9.30)	8.25	7.05	14.00	11.65	94.40
TOTALS ...	87.50	(73.85) 42.65	(68.20)	107.50	67.40	(72.75)	89.90	74.60	72.85	96.20	804.75
	n	n	n	m	m	n	m	n	m	m	

1954: Station overhauled 1st June.

Sept 1958. New S. fitted.

Aug 1956

40114 00204

00404

July 1959 160K. g. wind. Site over-erected all directions. Turf wall reasonably good.

1960 July smallest.

00734 00204 40204

5 Turf wall round gauge

Position of Station on Ordnance One-Inch map :

No. of Map.....

National Grid Reference 22 828 715

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-accepted

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
	< 1912 inc 1913-19 -	—	1931 M 1932-34 - 1935-40 M	M	