

RAINFALL AT

Birmingham W. H. Egan Garden

Lat. _____

Lon. _____

County of

Radnor

Rain Gauge, by _____

Observer

E. Antony Lewis Esq

Wye - 1.

Diameter ...									5		
Height									1.0		
Altitude ...									1500		
Year ...	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ...									3.40	4.00	
February ...									4.40	1.68	
March									4.85	4.30	
April									3.27	5.03	
May									3.85	2.60	
June									2.15	2.60	
July									6.20	7.10	
August									6.80	3.65	
September ..									5.10	5.00	
October ...									2.65	9.18	
November ..									5.43	2.78	
December ...									5.50	8.35	
TOTALS ...									53.60	56.27	

RAINFALL at

¹⁸ ⁴²³⁰ Birmingham W.W. Esparfader M

10

Vol.

County of Radnor

Observer E. Anthony Lewis

River Basin

Wye 1

Rain Gauge, by

Diameter ...	5										
Height	1	0									
Altitude ...	1500										
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January	6.86	2.26	6.10	9.20	5.75	7.00	6.30	2.90	7.03	6.60	
February	7.83	4.60	3.85	2.75	7.35	10.00	(8.40)	2.10	7.20	5.73	
March	2.30	3.70	10.85	(6.05)	10.15	2.15	3.40	4.40	4.35	8.29	
April	5.28	3.40	.75	8.85	2.85	3.35	6.15	4.40	2.25	(5.00)	
May	3.82	2.07	2.15	3.45	4.25	3.80	4.55	4.10	4.50	1.25	
June	8.10	5.30	5.60	4.85	2.35	1.55	4.20	3.25	3.60	4.52	
July	7.20	.63	5.00	1.90	7.55	5.60	4.20	2.60	5.00	3.25	
August	6.45	4.20	12.65	3.55	4.80	4.90	5.20	14.00	3.35	4.63	
September	.75	5.50	1.55	3.35	4.00	1.50	5.20	3.55	(15.10)	3.10	
October	6.25	6.10	6.85	6.25	3.40	3.45	11.90	9.75	5.85	3.75	
November	8.55	7.50	7.10	8.55	9.00	5.15	5.70	7.40	(7.21)	4.98	
December	12.28	12.25	8.75	5.10	(13.00)	13.95	4.55	2.40	12.92	14.50	
TOTALS	75.67	57.51	70.70	66.85	73.95	(64.30)	(40.35)	60.85	(78.36)	(63.40)	68.194

1916 Feb. cont for S.

+ Inspected

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

RAINFALL at Birmingham W.W., Edgair Gader No 2 M

County of Radnor Observer E. Antony Lees Esq

River Basin Wye 1

Rain Gauge, by _____

Diameter ...		5									
Height		1	0								
Altitude ...		1500									
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...		1.90	4.95	8.80	6.20	8.80	(6.45)	3.15	7.88	6.50	23.98
February ...		3.90	3.40	2.55	7.45	10.20	8.95	2.25	6.75	4.01	21.96
March		3.05	9.25	10.70	10.85	2.40	2.60	4.35	4.86	9.58	21.39
April		3.06	.60	8.65	2.25	3.40	(6.30)	4.20	2.30	4.70	17.50
May		1.96	1.90	3.90	4.40	4.15	4.90	4.05	4.55	.95	14.45
June		5.10		5.00	2.40	1.75	4.45	3.65	3.85	5.30	17.25
July62	4.40	2.35	6.85	5.70	4.30	2.80	5.35	3.30	15.75
August		4.10	14.25	3.65	5.45	5.65	5.40	14.93	3.10	4.73	28.16
September ..		4.85	1.80	3.50	3.50	1.65	5.85	4.05	15.41	3.74	29.05
October ...		5.75	7.60	6.45	3.35	3.75	12.45	7.00	5.20	3.90	32.55
November ...	6.75	6.55	7.50	9.05	7.60	5.80	6.05	8.45	7.44	5.70	27.64
December ...	11.37	11.40	10.15	5.60	13.00	13.50	4.60	2.10	13.77	12.80	33.27
TOTALS ...		52.24		70.40	72.80	66.75	112.30	64.98	80.46	65.21	282.95

1912 Jan & Feb from C (mist) from J. Stampend with
1916 corrected by check g.

1990.

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

RAINFALL at Birmingham, N.W. (Extrap-Gadley) No. 1.County of RednetObserver J.W. WilkinsonRiver Basin Wye - 1J.W. Wilkinson C E

Cp. Bradford Rain Gauge, by Wick (500
500
498 721
Monthly N° 195

Diameter ...	5											
Height	1.0											
Altitude ...	1530											
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	MEANS.	
January ...	7.67	9.05	9.75									
February ...	4.62	.55	#									
March	7.90	6.72										
April	9.75	2.41										
May	6.32	2.82										
June	4.00	.85										
July	7.12	2.96										
August	3.20	7.20										
September...	5.06	2.36										
October	6.05	2.60										
November...	2.62	5.10										
December...	5.54	7.50										
TOTALS...	69.85	50.12										

Inspected 6.8 12.7.21 g. on heavy bluff. (Lund falls abruptly 20 ft. SE. to valley 300 yds. S. to E. Slope here on W. & north 12 ft. high 50 ft. N. Dring wall on SW. SE. should be raised by 1 ft. Very poor site but no better seen available. In view of better position No. 2 suggest abandoning

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

RAINFALL at *Birmingham W.W. (Exat-Jude)* No. 2.

County of Radnor

Observer: J. W. Macaulay, Exp. C. S.

River Basin Wye-

J. W. Wilkinson C E

New Bedford Rain Gauge, by C. A. L. (500)

721

Diameter ...	5											
Height	1.0											
Altitude ...	1520											
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 MEANS.	1920-30 TOTALS
January ...	8.55	10.52	8.50	9.60	(6.94)	7.20	8.30	9.40	13.10	(2.42)	9.50	94.13
February ...	5.51	.60	9.75	14.40	2.50	14.20	6.30	6.00	7.80	1.10	.70	68.96
March	8.95	7.15	5.40	3.57	5.20	3.20	(3.58)	6.90	4.70	.70	(4.30)	51.75
April	10.00	2.38	5.00	(4.54)	5.70	5.80	3.50	4.80	2.70	1.60	4.80	50.82
May	6.21	2.84	2.20	6.40	7.20	5.50	4.40	2.40	1.30	4.50	3.80	47.35
June	4.70	.97	3.50	2.19	4.25	.48	3.80	3.20	8.40	5.30	2.30	44.06
July	7.85	3.63	7.75	6.60	7.30	4.30	7.30	6.60	4.50	4.80	9.70	70.33
August	2.85	8.10	4.65	7.10	10.60	5.10	(6.48)	12.60	7.70	4.50	8.60	78.20
September...	6.80	2.95	6.10	7.70	9.10	7.20	4.80	8.50	2.50	3.00	9.60	68.35
October	6.33	2.94	1.87	13.50	(7.99)	10.30	6.00	5.90	8.20	11.00	12.70	86.73
November...	3.40	5.45	3.10	7.00	5.20	5.70	(11.14)	5.70	(13.37)	15.90	10.90	86.86
December...	5.79	8.75	8.25	9.00	11.00	7.70	3.00	3.20	(5.75)	15.60	(9.45)	87.49
TOTALS...	76.94	56.28	66.07	(91.60)	(81.58)	77.05	(68.60)	80.20	(80.02)	(70.42)	(86.35)	835.11

Inspected 7-12-21. J. at top of level morr. N₁ falling land also
not open - no shells. Probably fully exposed to wind but probable rise
to N₁ not too bad. Dipped reconstruction of long wall above eye left &
ground with caliche deep down

1923. April corrected by surrounding stations.

Position of Station on reduced Ordnance Survey Map, 2 miles to 1 inch Series	No. of Map	Reference No.
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[illegible]

RAINFALL at Birmingham W.W. (Eggar Gader) No 2County of RadnorObserver J.W. Wilkinson, B.E.River Basin 1-10/10A.A. Barnes, Esq. C.E.L. 940Type of Gauge 673 Feb 1930 Birmingham River BallAnnual Average 50.4 in. based on 11 years obs. un-weighted. Period of average 1881-1915 Ref 7 PB 392

Diameter	5											
Height	1.0											
Altitude	1500											
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	<u>Mean</u>	<u>Total</u>
January	11.20	9.40	7.70	8.90	5.90	8.50	(12.20)	11.00	11.20	3.60	89.60	
February	(9.05)	.30	7.10	.70	9.00	4.00	10.50	4.60	9.20	4.70	59.15	
March	1.70	5.30	4.25	6.70	2.60	4.40	4.20	2.45	4.80	5.10	41.50	
April	7.50	6.90	1.45	5.45	6.90	4.10	7.25	1.25	5.10	3.40	49.40	
May	6.30	6.00	2.20	4.10	2.00	2.90	2.15	4.15	1.35	2.20	33.35	
June	4.60	2.20	4.65	2.95	6.00	6.70	2.55	6.00	3.60	.50	39.75	
July	7.20	6.60	5.80	3.60	2.20	8.50	3.80	7.00	9.55	9.15	63.40	
August	6.30	1.50	2.35	8.70	3.00	1.50	.85	4.60	4.10	2.30	35.20	
September	3.80	6.85	1.80	5.70	10.60	6.60	4.30	2.90	1.20	4.90	48.65	
October	3.80	14.10	8.90	9.30*	12.60	6.20	5.10	(10.40)	4.10	8.50	83.40	
November	10.80	7.00	2.45	3.60	10.10	8.60*	2.15	(10.65)	16.30	15.90	87.55	
December	5.60	4.10	1.30	14.40	6.20	12.90	8.60	3.85	6.15	7.50	75.10	
TOTALS	(77.85)	(70.25)	49.95	74.10	77.10	75.00	62.75	(72.85)	76.65	67.55	706.05	

1904* Monthly values adjusted by Mr. Wilkinson.

1930* Monthly values adjusted by Mr. Wilkinson.

Gauge to be examined for leak.

Standard Tuff wall set up 27.9.37. (Footnote B.R. 1937)

1937 Jan. adjusted by Mr. Wilkinson.

1930 Oct. & Nov. estd. by J.W. Wilkinson.

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. TF 4230RAINFALL at Birmingham W.W. (Esplanade) No. 2

41

County of RodnorObserver H.A. Bagley Esq. C.E.River Basin 1-WyeC.A. Richardson Esq. C.E.

Type of Gauge.....

Annual Average 17.3 in. based on Feb 1940 'Birm Water Bill' years obs. un-weighted. Period of average 1881-1915 Ref P.6.392File No. E3170185

Diameter	5				465	164					
Height	1 0					1					
Altitude	500					41					
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1941-50 Means Totals
January	4.30	8.40	10.50	(9.00)	5.60	8.60	6.30	16.00	5.50	4.10	78.30
February	8.00	2.60	6.40	3.65	7.90	12.50	(3.20)	6.00	3.25	10.30	63.80
March	5.10	4.45	1.65	1.10	3.10	1.85	(14.20)	(4.50)	5.00	3.80	44.75
April	2.50	4.30	2.40	2.50	3.00	2.35	5.10	4.00	6.40	(6.45)	39.00
May	4.90	4.95	6.40	(2.80)	4.60	3.65	4.05	3.00	7.80	1.80	46.15
June	1.80	0.80	(4.50)	(3.50)	7.30	5.00	3.50	7.50	0.70	2.50	37.10
July	4.20	6.60	4.40	4.00	3.60	4.05	5.00	(8.95)	1.15	(5.00)	41.05
August	9.75	4.60	6.20	3.00	4.00	10.40	0.80	6.00	4.00	(9.35)	56.10
September	1.25	5.60	7.60	6.25	5.60	11.45	4.20	7.00	2.50	(12.25)	63.70
October	7.50	8.20	6.10	(11.00)	6.00	3.50	1.85	5.50	9.00	3.75	62.40
November	5.90	1.50	7.30	11.30	1.00	12.80	7.00	4.30	10.00	8.50	69.60
December	7.30	10.30	4.15	(7.60)	7.40	8.25	6.50	11.00	12.00	6.40	80.90
TOTALS	62.50 M	66.30 M	67.60 M	(65.70) M	59.10 M	84.40 M	61.70 M	78.75 M	46.50 M	(74.20) M	645.75

1941 Jan pt. estd.

1944 Jan, May, June, Oct & Dec adj. by engineers.

25.9.47. Gauge abandoned. Turf wall rebuilt & new automatic gauge fixed.

1947 Feb & Mar. estd. for snow by observer 1948 March & July part only.

1950 Apr. July Aug Sept part estd.

01004 42054

X

30004 10404

04704

Turf wall round gauge

Position of Station on reduced Ordnance Survey Map, } No. of Map.....

1 mile to 1 inch Series

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

Station No. 4230 TF 19

RAINFALL at Birmingham B10 (Ssagar Garden) No 2 51

County of Radnorshire Observer E. A. Rishbridgen Esq CE

River Basin 1-Wye

Type of Gauge Octapant

Annual Average 7.3 in. based on Feb. 1900 to 1910 years obs. un-weighted. Period of average 1881-1915 Ref. P.B. 392
71-71 " " 35 " " 1916-1950 1916-1950 File No. E 3170/45 P

Diameter ...	5"				465	164					
Height ...	1'0"					1					
Altitude ...	1500					51		1655'			
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means Totals
January ...	8.00	7.15	3.56	5.95	6.45	9.65	(6.82)	(7.15)	(8.80)	11.00	74.53
February ...	8.00	5.65	4.15	(1.05)	3.90	2.10	6.42	11.10	1.30	10.13	59.80
March ...	10.80	3.59 (3.45)	6.20	5.25	5.05	5.35	6.10	1.60	4.90	3.13	51.17
April ...	7.00 (4.10)	2.85 (4.10)	4.55	2.73	4.36	2.73	(6.55)	2.40	(7.15)	6.12	41.04
May ...	3.29	3.80 (4.85)	4.25	4.10	6.58	2.00	3.20	4.35	2.43	2.21	36.51
June ...	1.49	4.55 (2.75)	2.00	6.65	7.65	4.05	2.85	5.20	(3.91)	3.80	42.45
July ...	3.43	2.15	7.56	7.65	0.76	4.90	8.95	5.80	5.08	7.52	54.40
August ...	6.06	6.02	(5.90)	6.49	1.32	10.05	11.15	4.26	0.73	5.20	57.18
September ...	5.35	5.70	(7.56)	(8.59)	6.27	7.00	12.66	9.00	0.62	6.60	68.35
October ...	2.34	(8.15)	(4.56)	9.95	5.95	4.75	7.10	7.45	(10.80)	7.03	68.08
November ...	14.25	5.45	7.50	13.50	4.16	5.10	4.15	4.65	8.10	12.00	78.86
December ...	9.62	(8.00)	2.95	11.14	7.32	8.82	7.60	6.25	12.35	11.55	85.60
TOTALS ...	78.83 63.06	64.86 60.74	89.05	58.77	66.50	77.55	69.21	66.17	86.29	717.97	
	M	M	M	M	M	M	M	M	m.n.p.	M	

5/1/53 "Gauge unhooked and found sound but was leaning a little towards the north east due to the reader not replacing it correctly after it had been removed for measuring the contents of the gauge."

9/53 gauge leaking and replaced by new gauge

1954 Station overhauled 27th May

August

Imp. 1957, 1960, 1961. Site on surface all directions but fair turf-water
 5 turf wall round gauge 1959 a.p. too much est.

Position of Station on Ordnance One-Inch map : No. of Map National Grid Reference 22.59 665

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge.
	51°54'	003°4'	20104	44004	46034	45034	

Summary of Earlier Records from 10-year Sheets :

1916-1950, P-accepted/1951

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
	1910-19 1911-19 1912-19 1913-19	1920-30-	1931-34 - 1935-40 M	M	