

RAINFALL at

Llyn Cauer Birmingham. W.W.

County of Brecon

Observer

E. Antony / Geo. E.

River Basin

Wye 8

Rain Gauge, by

Diameter ...				5								
Height				1.0								
Altitude ...			1775									
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	1916-19 MEANS 1915	
January ...			(6.50)	11.00	5.95	10.50	10.62	4.53	9.53	7.96	32.64	
February ...			(5.25)	3.65	11.15	11.70	(6.00)	2.40	8.40	4.96	21.76	
March			(13.00)	11.85	13.15	3.25	(13.40)	4.33	5.33	10.05	33.11	
April			(1.10)	10.90	2.95	3.88	8.56	5.20	2.80	7.14	23.70	
May			(2.60)	4.70	5.30	4.85	5.62	6.00	5.25	2.50	19.37	
June			6.75	5.70	2.80	2.15	5.14	3.85	4.60	5.65	19.24	
July			5.93	2.75	6.80	7.12	5.10	3.20	6.60	3.05	17.95	
August			16.62	4.55	7.15	5.80	6.30	19.00	4.45	5.48	35.23	
September ..			2.10	4.10	4.20	2.00	6.80	4.60	14.70	4.20	30.30	
October ...			9.20	6.45	4.20	4.20	14.57	12.90	7.50	3.90	38.87	
November ..			8.75	18.25	10.80	7.40	6.99	9.70	8.04	0.15	30.88	
December...			12.50	6.20	13.80	15.73	5.30	2.65	15.75	15.70	59.40	
TOTALS ...			(70.30)	90.10	88.25	78.58	94.40	76.36	92.95	96.74	342.45	✓38

1912 Jan-May P.O. slightly Estimated
 1916 Feb-March separated

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

RAINFALL at *Birmingham W.N. (Ely - Tower)*County of *Brecon*Observer *J. W. Macgillivray, Esq. C.E.*River Basin *yes**J. W. Wilkinson C.E.*Cap. *Barford* Rain Gauge, by *Caselli*No. *746**500 all over 721*

Diameter ...	5												
Height	1.0												
Altitude ...	1775												
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 MEAN.	1920-30 TOTALS	
January ...	11.70	11.83	10.70	10.60	8.35	7.70	10.20	11.30	16.22	3.78	(13.58)	115.96	
February ...	6.77	7.0	10.30	(17.14)	2.80	16.82	6.20	7.40	8.80	1.34	(.88)	78.15	
March	12.13	9.26	6.55	4.15	3.36	3.90	3.15	9.67	6.45	1.14	5.30	65.36	
April.....	12.60	2.71	5.88	5.43	7.35	6.46	4.37	5.20	3.18	1.82	5.25	60.25	
May	7.20	3.91	2.19	6.73	9.75	6.82	4.68	2.62	1.15	5.82	4.50	55.37	
June	4.53	1.03	4.55	2.62	4.58	.12	4.20	8.85	9.70	5.70	3.27	49.14	
July	9.35	4.20	8.65	7.25	9.28	5.60	8.73	7.37	5.46	5.54	9.45	80.88	
August	4.00	9.21	6.60	9.03	10.57	5.80	3.35	14.02	8.42	5.62	9.40	91.02	
September...	7.52	3.22	6.40	8.13	10.82	7.50	5.40	10.75	2.78	3.12	10.14	75.80	
October.....	6.48	3.40	2.70	14.45	9.70	11.50	6.97	7.27	10.85	10.85	(12.36)	96.53	
November...	4.87	6.26	3.65	7.65	6.05	5.45	12.25	7.25	15.64	19.20	(10.64)	99.01	
December...	6.95	9.50	10.10	11.35	13.80	3.40	2.85	4.15	7.68	16.26	9.95	100.99	
TOTALS...	944.4	1165.23	782.7	(104.53)	96.41	85.07	77.35	95.85	96.33	80.29	94.72	968.46	

*Inspected 12.7.21. - on post fence with knife and 1 ft. Lys.
 Pretty well on top of ridge but a little shelter on N.W. side. Not so perfect a
 site as Combsford but impossible of improvement. Recommended the knife
 will be kept at least 1 ft. Lys.*

1923 Feb. covered by snow, etc.

Position of Station on reduced Ordnance Survey } No. of Map _____
 Map, 2 miles 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

RAINFALL at Birmingham W.W. (Llyn Carw.)County of BaconObserver T.W. Wilkinson, G.E.River Basin 8-WyeM.A. Barnes, Esq. C.E. 1940.Type of Gauge Bradford79.3 Feet Birmingham Water BillAnnual Average 79.3 in. based on 24 years obs. un-weighted. Period of average 1881-1915 Ref A.W. 5145 P. 8392660552/26

Diameter	5.											
Height	1.0											
Altitude	1775											
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means 1881-1915	
January	10.00	13.40	8.40	9.95	5.20	11.95	13.30	14.25	11.80	4.60	102.85	
February	9.00	22	7.25	7	11.30	4.40	(11.95)	5.30	9.30	5.45	64.88	
March	2.10	5.45	6.07	8.00	3.10	5.30	6.90	2.30	6.20	6.30	51.72	
April	7.14	7.65	1.67	6.30	9.95	5.15	8.10	9.95	5.40	4.30	56.61	
May	7.00	6.80	2.50	4.70	2.90	3.30	2.90	5.30	1.55	2.45	38.80	
June	5.97	3.12	6.35	3.30	7.35	6.15	2.90	8.55	5.10	8.5	49.64	
July	7.50	7.07	5.55	3.90	2.25	11.35	4.40	8.60	12.10	8.50	71.12	
August	7.95	2.02	2.70	10.05	2.75	1.80	1.10	4.30	4.50	2.40	39.57	
September	4.30	7.30	1.85	7.40*	12.40	7.25	(5.80)	3.65	1.40	4.60	55.85	
October	3.95	15.66	10.25	10.90*	12.40	7.45	5.40	12.90	4.30	9.10	92.31	
November	14.45	7.37	2.55	8.90	11.80	9.20	2.75	13.90	19.20	15.20	100.32	
December	6.10	5.88	1.40	18.80	7.75	13.65	8.70	9.00	6.70	7.50	85.18	
TOTALS	85.46	81.94	56.54	87.06*	89.15	86.95	74.15	88.30	87.55	71.25	808.85	

* monthly values adjusted by Mr. Wilkinson.

1936 * Monthly values adjusted by Mr. Wilkinson as gauge appeared to be
leaking slightly.Inspected 10.8.37. Gauge in fence 18' sq. with good turf wall at fence.
Good exposure. It is recommended that gauge should be lowered
slant wall set up in addition.

Turf wall set up 28.9.37. Rim of gauge lowered to 1'

(Footnote B.R. 1937)

1937 Feb. & Sep. adjusted by observer.

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. I.F. 4214RAINFALL at § Birmingham W.W. (1.1/2 m. from)

41

County of BirminghamObserver A.A. Barnes Esq., C.E.River Basin 8-WyeC.A. Rishington Esq., C.E.Type of Gauge BradfordAnnual Average 79.2 in. based on 79 years obs. un-weighted. Period of average 1881-1915 Ref. P.B. 927File No. 660552 sub E.3170/45

Diameter	5				465	293						
Height	10					1						
Altitude	1775					41						
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means	1941-50
											Totals	
January	4.50	8.40	12.60	9.80	5.90	10.00	7.00	18.40	5.30	4.80	87.20	
February	8.90	2.50	6.90	3.30	9.70	13.40	(3.30)	5.10	4.00	12.70	69.50	
March	5.40	5.30	2.20	1.85	3.80	2.50	(15.50)	5.00	5.50	4.50	50.55	
April	2.40	4.70	2.50	3.00	3.50	2.70	6.25	4.20	6.80	7.00	43.05	
May	5.80	9.70	8.30	2.85	(5.20)	4.25	4.60	3.90	6.50	8.00	54.10	
June	2.30	.95	5.20	4.40	8.70	6.50	3.40	9.00	1.00	2.80	44.25	
July	4.50	7.70	5.70	5.80	4.10	5.90	5.40	5.00	1.40	5.10	50.60	
August	9.45	6.20	7.00	4.20	4.60	11.60	.70	7.20	4.30	11.80	66.75	
September	1.20	5.90	8.80	(7.25)	6.50	12.00	4.75	9.30	3.00	15.00	73.70	
October	7.90	8.70	8.30	(12.25)	6.40	3.50	2.20	5.50	10.20	4.45	69.40	
November	6.80	1.50	7.10	11.75	1.30	14.60	9.50	6.50	10.70	9.60	79.35	
December	6.90	12.60	4.20	8.70	8.40	8.90	7.70	14.50	11.50	7.00	90.40	
TOTALS	66.05	74.15	78.80	74.15	68.10	95.55	70.30	94.10	70.20	87.45	778.85	
	M	M	M	M	M	M	M	M	M	M		

1941 Jan. pr. est'd.

1944 Jan. Sept. & Oct. adj. by engineers

1945 May part est'd.

24.9.47. Gauge overhauled. Turf wall made good & new octagon gauge fixed.

1947 Feb. estimated for snow by observers

40144

02004

30004

§ 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.

Station No. 4214

TF 19
51

RAINFALL at S Birmingham NW (Llyn Caws)

County of Brecknockshire

Observer E. A. Ribbidgey Esq CE

River Basin S. Wye

Type of Gauge Bradford Octuplet

Annual Average 19.8 in. based on years obs. un-weighted. Period of average 1881-1915 Ref. PB 392
1916 E 250
84-08 - 20 - 1937-56 File No. E 3190/455

Diameter ...	5"				465	293						
Height ...	1'0"					1						
Altitude ...	1775					51						
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means Totals	
January ...	10.90	10.00	(3.45)	5.90	7.00	11.00	9.30	9.70	11.00	12.80	91.35	
February ...	9.00	(7.80)	5.00	(7.50)	4.00	2.10	8.40	12.00	1.30	(11.50)	68.60	
March ...	9.25	4.60	6.00	6.50	6.00	5.75	7.60	2.00	6.10	3.50	57.30	
April ...	7.50	3.60	5.00	2.60	5.20	(2.70)	.50	2.50	7.80	5.90	43.30	
May ...	3.80	5.10	4.80	4.50	8.00	1.70	3.75	(5.50)	2.00	2.60	41.75	
June ...	1.80	(5.25)	5.00	8.50	8.40	4.10	2.60	5.70	4.00	4.10	49.45	
July ...	3.00	3.40	8.40	8.50	1.40	5.90	10.60	6.80	5.50	7.50	61.30	
August ...	9.00	4.90	6.25	7.80	1.75	11.10	11.00	5.50	.85	5.70	66.85	
September ...	5.90	5.70	7.65	8.00	5.30	8.35	14.30	10.20	.50	7.10	73.00	
October ...	2.30	8.45	5.00	14.00	6.00	5.65	8.75	7.90	11.20	8.60	77.85	
November ...	15.00	(5.45)	8.10	15.50	5.70	5.50	14.30	5.10	9.50	14.90	89.05	
December ...	11.10	(10.05)	3.30	11.20	9.75	10.50	7.30	7.10	14.60	11.60	96.50	
TOTALS ...	88.55	(77.30)	68.55	100.50	68.50	74.35	88.40	80.00	74.35	95.80	816.30	
	M	M	M	M	M	M	M	M	M	M		

Aug 1956 Station overhauled.
 July 1959 g. 100% g. round. Site over-land all directions not fair turf-wall.
 1960 Feb part test.

21034	40004	20004	04004	02004	20004
-------	-------	-------	-------	-------	-------

S Turf wall round gauge.

Position of Station on Ordnance One-Inch map :

No. of Map.....

National Grid Reference 3N 851 614

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

Summary of Earlier Records from 10-year Sheets :

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