

RAINFALL AT Rugby Bilton Grange

Lat. .... Lon. .... County of Warwick ....

Synoptic Station Rain Gauge, by J. L. Sutton Esq.  
Upper Avon - 1. Observer W.H.G. Southcombe Esq.

Diameter ..	5										
Height ....	1.0										
Altitude ..	490		400								
Year ....	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	M.R.A.S.
January ..	3.12	.56	.79	1.67	2.13	.85	3.81	.87	.74	1.10	1.562
February ..	3.88	.98	1.06	1.00	2.94	.51	2.19	1.10	.82	.51	1.499
March ....	.40	1.58	1.20	3.02	1.50	2.81	1.25	1.00	2.58	2.39	1.723
April .....	.61	2.18	1.09	1.56	.74	1.22	.38	2.06	4.03	1.21	1.503
May .....	1.56	1.03	1.91	2.70	1.63	.28	1.94	4.23	1.84	1.49	1.856
June .....	3.79	2.97	2.60	2.21	.59	2.87	3.51	1.83	1.05	3.15	2.457
July .....	.72	4.14	1.40	3.57	2.95	.50	.66	2.35	1.95	2.54	2.078
August .....	2.87	1.51	3.21	3.34	2.33	3.30	.93	3.23	3.42	1.69	2.583
September ..	.56	1.20	.93	1.79	1.79	1.59	1.34	.75	1.98	2.50	1.443
October .....	1.99	.85	1.58	5.15	.64	.98	4.49	4.63	1.18	2.40	2.589
November ..	2.12	.59	1.25	1.48	1.11	1.96	2.75	1.66	.87	.51	1.430
December ..	4.10	3.75	1.11	.85	1.34	.96	1.94	2.95	1.45	3.13	2.158
TOTALS ..	25.72	21.34	18.13	28.34	19.69	17.26	25.14	26.66	21.91	22.62	22.681

1902 Dunchurch Church <sup>sou</sup> 800 yards S.S.W.  
 Rugby Station <sup>3/4 miles</sup> N.N.E.  
 apple trees <sup>25 yards</sup> S + S.W.  
 1909 ? short

N.D. annual values rejected from Survey, 1929.

RAINFALL at Rugby Bilton GrangeCounty of WarwickshireObserver W.H.G. Southcombe EsqRiver Basin Severn - Upper AvonSymonds Swindon Rain Gauge, by

Diameter ...	5									
Height .....	1	0								
Altitude ...	400									
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	MEANS.
January ....	2.00	.85	3.11	3.67	1.10	2.35	1.15	1.73		2.79
February ....	2.04	1.37	1.46	.80	1.37	2.55	3.19	1.19		2.31
March .....	.63	1.84	2.89	3.21	2.59	.88	3.60	1.05		3.34
April .....	1.41	.83	.15	2.56	.90	.81	.79	1.42		1.43
May .....	1.86	1.16	2.34	1.00	1.22	1.65	1.39	1.90		.96
June .....	1.88	1.44	3.75	.72	2.35	2.16	1.61	2.70		.63
July .....	2.21	.41	3.40	.72	2.05	3.67	1.21	1.37		2.96
August.....	2.96	1.78	5.87	.45	1.37	2.29	2.99	3.10		1.92
September ..	.44	1.20	.93	1.46	.64	1.50	.75	1.41		2.03
October ...	2.80	1.73	2.15	3.17	2.10	1.60	2.20	2.80		2.02
November ..	3.63	2.23	1.57	2.45	2.25	2.07	2.87	.89		1.87
December ...	4.19	3.33	2.82	.90	5.14	3.78	2.18	.86		3.20
TOTALS ...	26.05	18.17	30.44	21.21	23.08	25.31	23.93	20.42	NR 20.46	24.96
	7	7	7	7	7	7	7	7	7	7

1912 April 7 removed 120 yards SW.  
 from near 6 feet high 7-12-12-76 W. S. S.

1912 recd. May 1920 20.46 x 122

N.B. annual values rejected from Survey, 1929.

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
			Rugby	3 1/4 m	N	Bunchinch	1/2 m	SW

RAINFALL at Rugby, Bilston Gauge.County of WarwickObserver H. J. S. BushbyRiver Basin Saxon Season Upper - 1 for Rev. G. Park.

Rain Gauge, by.....

(New Gauge)

Diameter .....										5
Height .....										10
Altitude .....										400
Year .....	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929
January .....										
February .....										
March .....										
April .....										
May .....										
June .....										
July .....										
August .....										
September .....										
October .....										
November .....										
December .....										
TOTALS .....										27.84

New Gauge fixed Jan. 1930  
1930. Laurel Trees 25' high, 40' E.E. & 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		Parish Church.	Distance from gauge	
				Distance	Direction		Distance	Direction
1930.			Rugby (L.M.S.)	4 m.	N.	Dunchurch	3/4 m.	SW.

RAINFALL at Rugby (Bilton Grange)County of WarwickObserver W. H. G. Southcombe Esq.River Basin 1 - Upper Avon.J. S. Buckley  
for Rev G. EarleSymon's Bunker Rain Gauge, by \_\_\_\_\_

(1929) Gauge

(Old Gauge)

Diameter ...	5										
Height .....	1.0										
Altitude ...	400										
Year .....	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	MEANS.
January ...	1.87	1.87	2.54	1.39	2.15	1.36	2.73	2.01	3.27	1.10	
February ...	.76	.19	2.19	3.04	.42	2.06	2.49	2.63	1.61	.34	
March ..... .....	1.93	.97	1.27	1.31	.54	.52	.44	1.45	1.76	.11	
April.....	4.02	1.12	1.83	1.69	3.07	1.60	2.18	1.44	1.18	1.17	
May .....	1.74	1.74	.76	1.06	3.91	2.25	2.68	.70	.86	1.49	
June .....	3.31	.29	.69	.32	1.46	.02	1.36	3.08	2.47	1.09	
July .....	3.00	.34	4.29	2.64	2.47	3.01	1.78	2.43	1.43	2.06	
August .....	1.31	2.75	4.05	1.83	2.02	2.10	1.73	3.07	2.09	1.45	
September...	2.52	.87	1.89	2.61	2.83	3.00	1.54	4.11	.60	1.17	
October.....	1.56	1.20	.49	3.25	3.15	2.95	1.89	1.45	3.43	2.50	
November...	.85	1.77	1.22	1.88	2.18	1.20	3.83	2.34	2.59	5.64	
December...	1.83	1.60	3.07	2.30	1.95	2.01	.49	2.16	2.02	4.17	
TOTALS...	24.72	14.71	24.29	23.32	26.15	22.08	23.14	26.86	23.31	22.29	26.33.
	0	D	D	D	P	D	D	D	D	D	

1920. 3 feet. 9 ft. 1st. 6 ft. 1.15.  
 9" " 9" 8"  
 6" " 5" 6"

6.8

1929 Prospective 21 Nov. by 93. Gauge overexposed  
 New site selected. See Green File.

1930. Monthly totals asked for. (7.946016/29)

Gave 7% less than new gauge in 1931 and therefore (do not  
 inquire). 1931 return in file

N.B. Annual values rejected from Survey. 1929.

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
1920.			Rugby	8½ m.	N.	Dunchurch	5 m. S.W.
1929			Dunchurch	2 mi	S.W.		

## RAINFALL at Rugby (Bilton Grange) new (1932)

County of Warwickshire

Observer Mr. J. S. Buckley

River Basin River - Upper Avon

Mr. L. W. Bass

Type of Gauge Standard

Annual Average in. based on years obs. un-weighted. Period of average Ref.

946016/29

Diameter	5	5								5"	
Height	1.0	2.0	1.0							1'0"	
Altitude	400										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means Total
January	1.57	1.34	1.42	1.85	.79	2.29	2.75	2.83	4.84	3.24	22.94
February	2.58	1.30	3.51	.59	2.10	2.22	3.02	.77	.96	2.31	18.36
March	.08	1.32	2.62	1.35	.35	2.24	2.75	.28	1.47	2.08	14.57
April	3.75	3.73	1.11	2.08	3.29	1.99	3.44	.04	1.69	1.95	23.07
May	3.15	5.59	1.54	.81	1.39	.97	3.25	1.47	1.34	2.34	21.85
June	2.63	.61	2.55	.98	4.27	3.87	1.26	1.19	1.94	.45	19.85
July	2.95	2.88	1.71	4.76	.65	5.74	2.61	2.52	4.48	2.86	31.16
August	3.88	2.06	0.67	1.77	1.16	.51	1.37	3.97	4.79	.09	20.27
September	2.80	3.39	1.64	1.96	3.67	2.30	1.47	2.07	.54	.85	20.69
October	.59	3.16	2.49	1.50	3.48	1.46	2.87	2.72	5.63	3.11	27.01
November	2.49	1.97	1.14	1.68	4.72	2.33	1.53	2.32	3.44	5.63	27.25
December	.93	1.52	0.28	4.31	3.04	2.15	2.11	3.09	1.22	1.44	19.09
TOTALS	27.40	26.87	20.68	23.64	28.91	28.10	28.53	23.27	32.24	26.36	266.11
	D	D	D	D	D	D	D	D	D	D	

1934. Fruit trees 4' high 16° S. S.W.

Gauge moved May 20° 150 yds. S.W.

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
1931.			Lunchurch	1/2 m	S. W.	Lunchurch	3/4 m	S.
1937			-	2 m	S.W.	-	1/2 m	S.

BRITISH RAINFALL ORGANIZATION, EXHIBITION ROAD, LONDON, S.W.7.

Station No. ....

2461

RAINFALL at Rugby (Bilcom Grange)

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County of Warwickshire Observer Mr. L.S. BassRiver Basin Severn - Upper Avon - 1Type of Gauge Snowdon

Annual Average ..... in. based on ..... years obs. un-weighted. Period of average .....

Ref.

File No. ....

946016/29

Diameter	5"						450	425			
Height	1' 0"	2' 6"		1' 0"		2' 6"		1'		1' 0"	
Altitude	400'							41			
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means Total
January	3.16	2.33	3.90	1.86	1.74	1.75	1.74	4.34	.87	.49	22.17
February	2.16	.81	1.30	1.29	2.00	1.86	1.43	1.06	.69	4.05	16.65
March	2.53	1.63	.80	.32	.77	.98	5.04	.67	1.51	1.22	15.47
April	1.26	.91	.76	1.76	.87	2.03	1.77	1.39	2.25	1.64	14.64
May	1.82	3.01	3.03	.94	3.02	2.00	1.23	3.49	2.60	2.10	23.24
June	2.06	.25	3.48	2.29	2.95	2.39	1.17	2.00	.26	2.42	19.26
July	4.06	1.70	.92	2.16	2.09	1.83	2.29	1.84	.91	2.50	20.29
August	4.02	2.28	1.60	2.55	2.83	4.22	.24	4.28	1.04	2.00	25.06
September	.31	.97	1.48	3.12	1.45	3.36	1.48	3.44	2.37	3.76	21.73
October	2.58	2.80	2.19	2.61	3.83	.88	.22	2.42	6.54	.51	24.58
November	2.85	2.26	1.41	3.76	.24	5.05	1.57	1.52	2.58	3.67	24.91
December	1.29	2.11	.79	1.11	2.70	2.40	1.98	1.99	1.38	1.30	17.05
TOTALS	28.09	21.06	21.66	23.77	24.49	28.75	20.16	28.44	23.00	25.65	245.05
	D	D	D	D	D	D	D	D	D	D	

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
1941			Bunchurch	2 m.	S.W.	Bunchurch	1/2 m.

Station No. 2461

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## RAINFALL at RUGBY (BENTON GEORGE)

County of WARWICKSHIRE

Observer Mr. L. W. BASS,

River Basin SEVERN Upper Area - 1

Type of Gauge SNOWDON (1955 rate)  
(1955 m.s.n.m.)

Annual Average 24.25 in. based on 20 years obs un-weighted. Period of average 1951-56 = 19.15 Ref. I.W.S.  
 " " 25.64 " 21 " (within) 1935-56 1950 File No. 966016/29

Diameter ...	5"				450	425					
Height ...	11' 0"					1					
Altitude ...	400'					51					
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...	2.48	1.79	1.18	1.01	1.93	3.38	1.21	3.15	4.13	3.85	24.11
February ...	2.96	.69	1.23	2.53	1.51	.84	3.20	3.26	.07	1.84	18.19
March ...	3.56	2.32	.95	2.14	2.18	.98	2.01	1.63	2.37	1.27	19.41
April ...	2.81	1.75	1.66	.44	1.02	.59	.19	1.00	2.47	0.51	12.44
May ...	2.99	2.36	1.39	2.16	4.77	.46	1.38	2.03	.43	1.45	19.42
June ...	1.51	2.17	1.72	2.33	2.05	2.80	1.49	4.99	.72	4.06	24.14
July ...	.93	.38	2.88	3.22	.16	2.51	2.91	3.57	.88	3.12	20.56
August ...	6.29	2.44	2.94	3.52	.88	4.39	2.36	2.79	1.47	4.01	31.09
September ...	1.53	1.47	1.57	2.21	1.58	1.99	4.70	2.63	.12	4.22	22.02
October ...	.82	3.08	2.52	2.95	1.48	1.86	1.28	2.47	2.18	4.61	23.25
November ...	4.66	2.26	1.24	4.74	1.07	.83	1.76	2.00	2.04	3.08	23.68
December ...	1.60	2.53	.94	1.77	1.82	2.65	2.13	2.44	3.86	2.87	22.61
TOTALS ...	32.14	23.24	20.22	29.02	20.81	23.28	24.61	31.96	20.74	34.89	260.92
	D	D	D	D	D	D	D	D	D	D	

Position of Station on Ordnance One-Inch map : No. of Map ..... National Grid Reference 50 (42/493744)

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Parish Church.	Distance from gauge.
1957			Bunchurch	2m S.W.	Bunchurch	2m S.

Summary of Earlier Records from 10-year Sheets :

Record D, or d		1910-19	1920-30	1931-40	1941-50	1951-60
			c1930 ✓	✓	✓	✓