

RAINFALL at Riddulph GrangeCounty of Staffordshire

Observer

R. Heath Esq.

1914 from Staffs Sentinel

River Basin Mersey WeaverHedge Row

Rain Gauge, by \_\_\_\_\_

Diameter ...						5					
Height .....						0 7					
Altitude ...						325					
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...					1.96	5.88	1.99	3.51	2.19	4.15	
February ...					2.52	3.90	4.80	1.62	3.04	1.26	
March .....					4.32	2.04	2.50	2.29	1.96	5.59	
April .....					1.25	1.61	3.33	2.81	1.49	2.83	
May .....					2.99	1.52	2.35	2.17	2.91	1.48	
June .....					2.15	1.34	2.37	2.88	2.30	2.55	
July .....					6.37	5.91	2.42	1.56	4.90	2.71	
August .....					4.36	3.57	4.41	6.67	3.60	3.56	
September ..					2.11	.75	2.26	1.28	6.60	3.51	
October ...					1.78	1.66	3.96	5.81	2.09	2.86	
November ..					4.14	2.36	2.42	3.36	2.72	2.63	
December...					6.29	6.11	3.32	1.88	6.22	5.81	
TOTALS ...					40.24	36.15	36.13	35.01	40.02	38.94	

1915 Hedge Row height 32 ft S

1914 recd 1.16 cent 18.16

Date.	Lat. N.	Long. W.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
53.10.	2.10.		Biddulph	1/2 mi	W	Biddulph	400 yds	W

RAINFALL at Biddulph Stange

County of Stafford Observer Robert Heath Esq.,  
 River Basin Mersey - Weaver. gdm. J. H. Glegg.  
 (1929) Snowdon Rain Gauge, by H. S. J. (1929) S. H. See Esq.  
The Secretary.

Diameter ...	5									5
Height .....	0.7									1.5
Altitude ...	525									570
Year .....	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929
January	14.69	4.16	4.34							2.36
February	4.28	.51	3.71							.96
March	3.62	2.17	2.69							.56
April	6.03	2.16	2.82							.98
May	14.64	1.55	1.20							2.25
June	3.44	.95	2.20							1.73
July	5.10	1.39	4.90							3.14
August	2.40	5.52	5.30							4.82
September	3.82	1.05	3.92							1.89
October	2.02	2.87	.50							5.00
November	.77	2.25	2.10							7.42
December	2.81	3.40	5.19							5.52
TOTALS	43.65	27.98	38.87	#						36.53
	0	0	0							41.36

1929 Record resumed with new gauge  
 Gauge is situated in kitchen garden - surrounded by high wall & containing  
 bush fruit trees.

1930 Woodlands & lake E. and N. by N. E. - 700' - 800' above S.L.  
 Hospital block with tower & black steel chimney. W. 500' above S.L.  
 $\frac{1}{8}$ m.  $\frac{1}{8}$ m.  $\frac{1}{8}$ m.

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	Parish Church.	Distance from gauge
1920	53°10'	2°10'	Biddulph	1 m.	W.		
1929			Congleton	2 1/2 mi.	N.W.	Biddulph	500 yds. S.W.-W.

RAINFALL at Biddulph GrangeCounty of StaffordObserver The SecretaryRiver Basin Mersey - WeaverType of Gauge Standard33.88Annual Average mm. in. based on 8 years obs. un-weighted. Period of average 1881-1915 Ref. B. fileRevised 11/37 See File16357/30

Diameter	5											Means
Height	1.4			1.5			1.6					
Altitude	570	560		571.87							575	
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940		
January	3.69	2.94	2.04	2.67	2.43	3.69	4.17	4.56	5.36	3.19		
February	4.17	3.30	4.61	4.44	4.23	2.12	5.73	1.16	2.57	2.54		
March	1.19	2.10	2.76	2.86	1.03	1.88	2.45	1.13	2.23	2.50		
April	4.33	3.00	1.80	2.25	3.50	1.57	3.87	2.24	1.99	2.15		
May	3.34	5.17	1.97	1.79	1.16	1.74	2.33	2.45	1.77	2.05		
June	5.56	7.79	3.33	2.09	4.90	2.67	1.39	2.60	2.04	1.80		
July	3.88	2.71	2.54	1.79	1.53	6.32	3.94	3.38	5.83	4.68		
August	5.96	3.13	1.03	2.64	1.75	2.99	2.26	3.36	1.90	1.33		
September	3.15	2.72	1.35	2.86	5.32	4.09	1.28	2.74	1.12	3.02		
October	1.18	6.57	5.60	3.84	5.48	3.28	2.09	4.54	2.64	3.96		
November	5.74	2.81	1.59	2.24	5.04	4.36	1.36	4.09	6.08	7.47		
December	2.11	1.07	0.40	5.66	3.83	3.85	2.68	4.46	2.05	3.60		
TOTALS	43.60	33.24	29.02	31.13	40.20	37.56	34.55	34.71	35.60	38.29		
	<u>2</u>											

1931 Woods and lakes <sup>643'</sup> ~~220000'~~ high 600 yards E+N'N.E. Hospital block, tower, steel chimney  
 Hrs remeasured by Council Surveyors 1935 <sup>572.326</sup> high 220 yds. W.

9.11.36. Jan. 1932 cond. for Anstr.

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
1931.			Congleton	2 1/2 m	N.W.	Biddulph	3 m
1937.			Congleton	3 mds	W.E.	Biddulph	300 yds

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

Station No. 2314

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## RAINFALL at Biddulph Grange

County of Stafford

Observer Mr. Secretary

River Basin Mersey - Weaver - 1

Type of Gauge snowdon

Annual Average 33.8 in. based on 8 years obs. un-weighted. Period of average 1881 - 1915. Ref. see file

File No. 16357 / 3.9

Diameter	5'					554	637				
Height	1' 4"				i 0"						
Altitude	570'		560'				41		560		
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	3.45	5.24	4.69	2.70	2.82	1.91	7.85				1.99
February	1.87	2.10	1.67	3.06	5.64	.89	8.02				4.96
March	2.07	.99	.66	1.19	1.14	5.29	1.23				1.43
April	1.59	1.22	2.55	1.74	1.84	2.86	3.17				3.68
May	4.52	2.94	1.66	3.85	1.65	2.58	1.36				1.06
June	.84	3.16	3.68	2.64	3.36	2.13	5.63				1.72
July	2.66	1.67	3.23	1.96	4.14	3.18	3.14				3.03
August	2.30	4.46	4.02	3.75	4.62	.61	5.02				5.00
September	2.66	3.93	3.33	2.12	4.57	2.05	8.06				3.98
October	3.69	2.85	5.28	5.21	.84	.53	2.62				2.13
November	.85	2.91	5.89	4.7	5.92	3.93	2.27				5.18
December	3.51	1.80	3.27	2.90	3.66	3.43	3.67				3.42
TOTALS	N.R.	30.01	33.27	39.82	31.59	40.20	29.39	39.54	N.R.	37.58	
		D	D	D	D	D	D	D	D	D	

1942 open ground.

1944 Wall 10' high 25 yds. W. Trees app. 50' high 75 yds. E.

1950 Confirms that ht. is 560', no change of site since 1942 at least. (See file 15A 7.16357/3.)

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
			Congleton	3 1/2 mls	W.	Biddulph	1 1/2 mls S.W.

BRITISH RAINFALL ORGANIZATION

Station No. 2314

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RAINFALL at Biddulph GrangeCounty of StaffordshireObserver The SecretaryRiver Basin Mersey-Wear-1Type of Gauge SnowdonAnnual Average 33.8 in. based on 8 years obs. un-weighted. Period of average 1881-1915 Ref. surface

35.28 " 26 " 1930-1957 " 1916-1950 File No. 16257/20

Diameter ...	5"				554	637					
Height ...	1' 0"										
Altitude ...	560'					51					
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January	3.01	3.86	1.46	2.45	2.73	4.44	1.85	3.33	2.86	5.79	
February	3.61	1.46	1.82	3.25	1.99	.93	2.63	4.64	.68	2.51	
March	5.78	2.57	1.61	2.70	2.68	1.91	3.51	1.66	1.67	0.97	
April	3.31	3.46	3.10	.58	2.11	1.29	.61	1.06	2.92	1.33	
May	2.27	2.45	2.29	3.21	3.51	1.21	1.60	3.34	1.13	1.62	
June	1.65	3.09	3.67	4.59	2.65	3.29	2.28	5.89	1.50	3.25	
July	2.46	2.17	4.49	4.57	.86	5.11	6.55	4.55	2.46	4.75	
August	4.40	2.36	3.30	5.13	1.22	8.78	4.76	4.92	.73	5.00	
September	2.37	2.80	2.70	4.06	2.81	2.33	6.92	5.31	.19	4.37	
October	1.03	3.77	2.15	6.24	2.76	2.86	3.15	3.81	2.43	4.80	
November	4.89	1.96	2.46	5.93	2.15	1.48	1.72	1.63	4.24	5.01	
December	3.93	3.52	1.38	4.40	2.80	3.82	3.27	3.52	5.17	4.38	
TOTALS ...	41.71	33.47	30.43	47.11	28.17	37.45	38.85	43.66	25.98	43.78	
	A	D	D	D	D	d	D	D	D	d	

1951 Wall 10' high at 25 yds W. trees above 50' high at 75 yds E.

Position of Station on Ordnance One-Inch map : No. of Map ..... National Grid Reference 33/894591 .....

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Parish Church.	Distance from gauge.
1951			Bonington	3m. WNW	Biddulph	1/4 m. WSW

Summary of Earlier Records from 10-year Sheets :

	1910-19	1920-30	1931-40	1941-50	1951-60
Record ; or d	C1914 ✓ last - 17, 18	20-22, 29, 30 ✓	✓	42-48, 50 ✓	