

RAINFALL at Burton, Borough Hospital

County of Stafford Observer D. J. M. Cowie

River Basin Trent, Lank-H.

Rain Gauge, by

Diameter ...					8							
Height					10							
Altitude ...					220							
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.	
January ...					1.47	1.29	3.79	1.10	1.06	1.32		
February ...					2.76	.81	2.78	1.67	1.24	.68		
March					1.36	2.69	1.79	1.30	2.63	2.58		
April					1.55	1.64	.80	1.54	2.76	1.35		
May					1.37	.45	2.10	3.70	2.64	1.61		
June					1.08	1.49	2.30	2.98	2.24	2.61		
July					2.40	1.60	.85	3.47	2.66	3.33		
August					3.57	3.83	1.01	3.66	3.47	2.22		
September...					1.53	1.05	1.27	.83	2.34	2.91		
October ...					1.52	1.50	4.70	4.29	1.25	3.50		
November...					1.57	2.52	2.72	2.24	1.69	.88		
December...					1.78	.81	2.58	3.16	1.64	4.52		
TOTALS ...					21.88	20.00	26.69	29.94	25.65	27.51		

1904-19 read III. 19 until XI. 19

N.B. annual Values rejected from Survey, 1928.

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

RAINFALL at Benton Borough Hospital
 County of Suffolkshire Observer D. J. M. Lowe
 River Basin Trent Left Bank Sub 4
 Rain Gauge, by _____

Diameter ...	8									8		
Height	10									10	16	
Altitude ...	220									152	220	
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.	
January ...	1.99	.67	4.56	4.16	1.64	3.13	1.52	2.48	2.47	4.52		Total 18 16.17 10.99
February ...	2.04	1.34	1.36	1.03	1.16	2.31	4.93	1.39	1.95	2.68		10.95
March	1.44	1.28	3.24	3.93	2.86	1.09	3.91	1.72	1.47	3.44		12.54
April	2.14	1.04	.28	3.17	.81	.92	1.69	1.23	1.43	1.86		6.21
May	2.48	.71	2.90	2.37	1.80	1.92	2.51	3.27	3.61	1.46		10.85
June.....	1.10	2.43	4.73	1.18	2.09	1.27	1.98	2.34	.67	1.33		6.32
July	3.33	.61	3.51	1.26	4.23	8.44	2.18	1.41	3.12	2.39		9.10
August.....	3.42	1.72	6.34	2.12	1.87	2.35	2.59	4.90	2.75	2.82		13.06
September...	.56	1.68	.92	2.82	.97	.80	.97	1.70	6.07	1.87		10.61
October ...	2.66	1.70	2.69	3.24	1.93	2.26	3.40	5.04	1.89	2.83		13.16
November..	5.09	2.23	2.13	2.66	3.22	2.70	3.41	1.88	2.03	2.46		9.78
December...	4.34	3.88	3.87	1.43	6.02	5.68	2.91	1.37	4.40	4.50		13.18
TOTALS ...	29.59	19.59	36.53	29.37	28.60	32.87	32.00	28.73	31.85	34.16		126.75 448

1910-1917 recd 3.19 end 26X19.

A. B. Values rejected from Rainfall Survey, 1928.

Date.	Lat. N.	Long. W.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
	52.48	1.38		1/2m				

RAINFALL at Burton (Borough Hospital).

County of Staffs. Observer Mr J. G. Lawrence.

River Basin 4 - Trent S. M.O.H.

1926 Gloucester Snowdon Rain Gauge, by
(1929) Snowdon

Diameter ...	8									5"	
Height	1.6									1.0	
Altitude ...	220										
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1920-29
January ...	2.45	2.52	3.93	1.56	2.27	1.93	2.97	2.23	5.61	(1.24)	4.48
February ...	2.32	.39	2.94	3.96	.61	2.95	2.87	1.79	3.22	(.48)	.79
March	1.94	1.68	2.28	1.36	.85	1.21	1.17	2.25	2.10	(.20)	3.13
April.....	4.87	1.96	2.72	2.46	2.07	1.96	2.35	1.56	1.49	(.66)	2.81
May	2.90	1.46	1.17	2.5	1.11	5.29	3.89	1.69	.61	(1.96)	2.34
June	2.81	.43	.82	.45	2.02	.04	2.51	4.88	3.07	(1.31)	1.80
July	2.80	.67	4.90	3.99	2.90	2.48	2.59	3.56	1.46	2.71	6.09
August	1.26	5.38	6.34	2.27	3.66	3.95	2.34	4.65	4.16	2.58	2.84
September..	2.28	1.35	2.49	2.51	2.52	3.79	1.15	4.37	.77	.66	4.06
October.....	2.15	3.03	.57	2.68	4.64	3.69	2.94	2.20	4.90	3.26	2.72
November...	1.02	2.10	1.06	1.98	1.84	1.81	4.25	3.51	3.72	5.84	3.12
December...	2.85	2.27	5.36	3.44	2.54	2.13	.95	2.67	2.10	4.70	2.37
TOTALS...	371.15	23.24	34.58	29.07	30.03	31.23	29.98	35.36	38.21	(28.60)	36.55

Totals.
32.19

22.22

18.17

24.91

27.93

19.64

35.15

39.43

25.95

32.78

30.23

31.38

340.00

P.M.

1928 Big up gauge very old.

New gauge June 1929 - Jan. to June decreased by 10% for effect of old gauge. Glos. informed.

encl. 11A file 677028/26. New gauge fixed 70 yds. N.E. of old site.

N.B. Annual values, 1920-25, rejected from Survey, 1928.

Position of Station on reduced Ordnance Survey } No. of Map _____ Reference No. _____

Date.	Lat. N.	Long. E.	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance from gauge
Jan.-Mar.	52° 48'	1° 38'		1.2 m.			
1926			Burton on Trent 2 mi S			Horningley	1 mi. E

RAINFALL at Burton (Borough Hospital)

County of Staffordshire Observer Dr. J. M. Cowie

River Basin Trent Left Bank tributary

Type of Gauge Standard

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

Ref.

677026/26.

Diameter	5													Totals.
Height	100													Measur.
Altitude	220													
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940				
January	1.63	2.02	1.67	2.20	1.81	3.65	2.97	2.96	4.73	2.76	2540			
February	3.02	3.31	3.27	2.29	1.98	1.74	3.71	1.67	1.06	2.94	1899			
March	1.13	2.05	2.34	1.61	1.73	1.39	1.80	1.30	1.62	2.09	1406			
April	3.73	2.81	1.10	2.02	2.68	1.86	2.17	1.11	1.74	1.78	2000			
May	3.15	6.44	1.80	1.82	1.45	1.29	2.32	1.78	1.44	1.37	1986			
June	3.68	1.73	2.05	1.07	3.18	2.87	1.74	1.67	1.12	.91	1802			
July	4.18	2.58	2.78	1.34	1.58	4.41	2.50	3.37	4.90	2.53	2917			
August	5.38	3.16	0.70	2.02	1.31	1.99	1.66	2.16	2.24	1.31	1893			
September	2.17	2.92	1.38	1.93	3.33	2.63	1.95	4.29	1.73	.51	2204			
October	1.85	3.69	4.21	1.76	3.20	1.58	2.26	2.33	2.83	3.67	2638			
November	3.26	2.20	1.03	2.11	4.85	2.35	1.90	2.69	4.21	6.43	3103			
December	1.17	.85	0.35	4.41	3.92	1.73	2.73	2.93	1.75	2.06	2190			
TOTALS	32.35	29.76	22.68	21.58	27.22	25.49	25.71	25.26	28.37	27.36	26578			
	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
1931.			Burton-on-Trent	2 m.	S.	Hemington	1 m. E.

Station No. 2361

41

RAINFALL at Burton (Borough Hospital)

County of Staffordshire

Observer Dr J. F. Cowie

River Basin Trent - Left Bank 4

The Medical Officer of Health (1942)

Type of Gauge Standard

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

Ref.

File No. 677028/26

Diameter	5"		101	099								
Height	1'0"				1							
Altitude	220'				41							
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means	
January	3.25	2.86	3.77	2.50	1.65	2.12	1.75	4.20	1.15	.93		Totals
February	2.50	.84	.55	1.62	2.35	4.14	1.80	1.38	.52	4.12		24.23
March	2.91	2.18	.65	.21	.75	.87	5.57	.71	1.61	.88		19.82
April	1.49	1.06	.79	2.36	1.49	1.21	1.90	1.51	2.56	2.08		16.34
May	2.33	3.30	2.96	1.82	2.31	1.68	1.97	1.55	2.19	1.31		16.45
June	2.48	.16	2.29	2.04	3.04	3.69	1.63	3.47	.17	.69		21.42
July	3.82	1.77	1.08	2.86	2.70	1.23	2.54	1.86	3.45	1.82		19.66
August	6.32	2.95	2.96	2.66	1.91	4.45	.65	5.03	1.51	2.63		23.13
September	.46	1.28	1.86	2.87	2.44	4.29	1.63	2.84	1.42	3.85		30.07
October	3.09	2.08	1.60	2.63	3.46	1.15	.36	2.47	4.18	1.18		22.34
November	2.84	1.26	1.56	3.69	.28	4.40	2.15	1.68	3.23	3.69		22.20
December	1.15	2.48	.95	1.44	2.00	2.38	2.30	3.60	2.01	1.25		19.56
TOTALS	31.64	22.22	21.02	26.68	24.38	31.61	24.25	29.30	24.00	24.43		259.58

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.
1941			Burton upon Trent.	2 m.	S.	Hannington.	1 m.	E.

Station No. 2361

51

RAINFALL at Burton (Borough Hospital)

County of Staffordshire

Observer The Medical Officer of Health

River Basin Trent Left Bank - 4

Type of Gauge Snowden

Annual Average 25.9 in. based on 21 years obs. unweighted. Period of average 1881 - 1915. Ref. P.B. 506
 " 26.94 " " 27 " within 1929-57 " 1916 - 1950-5 File No. 677028/26

Diameter	5"			101	099							Means
Height	11' 0"				1							Total
Altitude	220'				51							
Year	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960		
January	2.13	2.18	.97	.97	2.20	3.20	1.34	2.27	3.07	5.76	24.09	
February	2.43	.71	1.64	2.22	2.12	.83	1.81	3.95	.29	1.71	17.71	
March	3.67	2.32	1.16	1.85	2.63	1.36	2.21	1.79	1.81	1.64	20.44	
April	1.93	2.31	2.39	.52	1.37	1.13	.13	.66	2.66	1.14	14.24	
May	2.88	3.15	2.15	2.75	3.31	.69	.78	1.99	.38	1.66	19.74	
June	2.08	3.16	2.59	2.90	3.63	2.63	1.25	4.02	.86	3.40	26.52	
July	1.04	1.92	3.14	2.42	.59	3.26	3.63	4.74	2.27	3.51	26.52	
August	7.61	1.88	2.92	4.71	.72	4.74	2.98	1.85	.97	3.51	31.89	
September	1.92	1.43	2.28	2.37	1.56	1.78	5.70	2.94	.10	4.99	25.07	
October	.75	2.80	2.23	3.63	1.60	1.44	1.65	3.06	2.54	5.99	25.69	
November	5.66	1.46	1.68	4.44	2.18	.83	1.95	1.95	3.30	3.22	26.67	
December	2.05	2.96	1.33	3.21	1.83	2.63	1.63	3.25	3.59	2.83	25.31	
TOTALS	34.15	26.28	24.48	31.99	23.74	24.52	25.06	32.47	21.84	39.36	283.89	

1957. On a "Entry Form about a Town, Observer mentioned "an automatic rain gauge installed locally."
 1958 Rain days high, but accept. (96A in C.20375/57)

Position of Station on Ordnance One-Inch map : No. of Map National Grid Reference 5K 43/232248

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Parish Church.	Distance from gauge.
1951			Burton-on-Trent	2m. S.	Hornington	1m. E.

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
	✓	✓	✓	✓	✓

D18