

RAINFALL at Burton, Borough HospitalCounty of StaffordObserver D. J. M. CowieRiver Basin Trent, Lank - 11

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	1.27	.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					1.00	1.79	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	2.54	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 recd III. 19 entered XI. 19

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

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

RAINFALL at

Dunton Borough Hospital

County of

Staffordshire

Observer

D. J. M. Lewis

River Basin

Trent Left Bank Tol. 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.	Totals
January ...	1.99	.67	4.56	4.16	1.64	3.13	1.52	2.48	2.47	4.52		16.18
February ...	2.04	1.34	1.36	1.03	1.16	2.31	4.93	1.39	1.95	2.68		10.99
March .....	.44	1.28	3.24	3.93	2.86	1.09	3.91	1.72	1.47	5.44		10.95
April	2.14	1.04	.28	3.17	.81	.92	1.69	1.23	1.43	1.86		12.54
May	2.48	.71	2.90	2.37	1.80	1.92	2.51	3.27	3.61	1.46		6.21
June	1.10	2.73	4.73	1.18	2.09	1.27	1.98	2.34	.67	1.33		10.85
July	3.33	.61	3.51	1.26	4.23	8.44	2.18	1.41	3.12	2.39		6.32
August	3.42	1.72	6.34	2.12	1.87	2.35	2.59	4.90	2.75	2.82		9.10
September...	.56	1.68	.92	2.82	.97	.80	.97	1.70	6.07	1.87		13.06
October ...	2.66	1.70	2.69	3.24	1.93	2.26	3.40	5.04	1.89	2.83		10.61
November...	5.09	2.23	2.13	2.66	3.22	2.70	3.41	1.88	2.03	2.46		13.16
December...	4.34	3.88	3.87	1.43	6.02	5.68	2.91	1.37	4.40	4.50		9.78
TOTALS ...	29.59	19.59	36.53	29.37	28.60	32.87	32.00	28.73	31.86	34.16		13.18
												126.75

1910-1917 recd 3.19 incl 2264.19.

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

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

RAINFALL at Burton (Burroughs Hospital).County of Staffs. Observer St. J. L. GowerRiver Basin 4 - Trent & E. M.O.H.1926) Clougher Snowdon Rain Gauge, by
(1927) Snowdon

Diameter ...	8									5	
Height	1.6									1.0	
Altitude ...	220										
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930
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	3.86	.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	2.51	4.11	5.29	3.89	1.69	.61	(1.96)	2.34
June	2.31	.43	.82	.45	2.02	.04	2.51	4.88	3.07	(1.31)	1.80
July	3.80	.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	4.27	.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...	31.15	23.24	34.58	29.07	30.03	31.23	29.98	35.36	33.21	(25.60)	36.55
	0	0	0	0	0	0	0	0	0	0	0

1928 Big up gauge very old.

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

encl. 11A file 67702826. New gauge fixed 70 yds. N.E. of old with.

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

Position of Station on reduced Ordnance Survey
Map, 2 miles to 1 inch Series

No. of Map

Reference No.

Date.	Lat. N.	Long. O.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge	Direction from gauge
for obs.	52° 45'	1° 38'		1 1/2 m.				
1926			Burton on Trent	2 mi.	S	Horsinglow	1 mi.	E

RAINFALL at Burton (Borough Hospital)County of StaffordshireObserver Dr. J. M. CowieRiver Basin Trent Left Bank tributType of Gauge Snowden

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

677028/26.

Diameter	5										
Height	10										
Altitude	220										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Totals. Mean
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	.31	3.27	.29	1.98	1.74	3.71	.67	1.06	2.94	1899
March	.13	2.03	2.34	1.61	.73	1.39	1.80	.30	1.62	2.09	1406
April	3.73	2.81	1.10	2.02	2.68	1.86	2.17	.11	1.74	1.78	2000
May	3.15	6.44	1.80	.82	.45	.29	2.32	1.78	1.44	1.37	1986
June	3.68	.73	2.05	1.07	3.18	2.87	.74	1.67	1.12	.91	1802
July	4.18	2.58	2.78	1.34	.58	4.41	2.50	3.37	4.90	2.53	2917
August	5.38	3.16	0.70	2.02	1.31	.99	.66	2.16	2.24	.31	1893
September	2.17	2.92	1.38	1.93	3.53	2.63	1.95	4.29	.73	.51	2204
October	.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 D.	29.76 D.	22.68 D.	21.58 D.	27.22 D.	25.49 D.	25.71 D.	25.26 D.	28.37 D.	27.36 D.	26578 D.

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
1931.			Burton-on-Trent	2m.	S.	Hemminglow	1m.	E.

Station No. 2361RAINFALL at Burton (Borough Hospital)

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County of StaffordshireObserver Dr J. H. BawinRiver Basin Leant - 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	4.25	1.15	.93		Totals 24.23
February	2.50	.84	.55	1.62	2.35	4.14	1.80	1.38	.52	4.12		19.82
March	2.91	2.18	.65	.21	.75	.87	5.57	.71	1.61	.88		16.34
April	1.49	1.06	.79	2.36	1.49	1.21	1.90	1.51	2.56	2.08		16.45
May	2.33	3.30	2.96	1.82	2.31	1.68	1.97	1.55	2.19	1.31		21.42
June	2.45	.16	2.29	2.04	3.04	3.69	1.63	3.47	.17	.69		19.66
July	3.82	1.77	1.08	2.86	2.70	1.23	2.54	1.86	3.45	1.82		23.13
August	5.32	2.95	2.96	2.66	1.91	4.45	.65	5.03	1.51	2.63		30.07
September	.46	1.28	1.86	2.87	2.44	4.29	1.63	2.84	1.42	3.85		22.34
October	3.09	2.08	1.60	2.63	3.46	1.15	.36	2.47	4.18	1.18		22.20
November	2.84	1.26	1.56	3.67	.28	4.40	2.15	1.88	3.23	3.69		24.36
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	29.35	24.00	24.43		259.58
	D	D	D	D	D	D	D	D	D	D		42.4

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

RAINFALL at Burton (Borough Hospital) Station No. 2361
 County of Staffordshire Observer The Medical Officer of Health
 River Basin Leant, Left Bank +
 Type of Gauge Snowdon

Annual Average 25.9 in. based on 21 years obs. unweighted. Period of average 1881 - 1915 Ref. P.B. 586
 " " 26.94 " " 27 " " with 1924-57 " " 1916 - 1950 " " 5
 File No. 677028/26

Diameter ...	5"			101	099							
Height ...	1' 0"				1							
Altitude ...	2201				51							
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means	Total
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	2.63	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 "Rainy Form" about a storm, Observer mentioned "an automatic rain gauge installed locally."
 1958 Rain days high, but except T. (96A in E-20375/57)

Position of Station on Ordnance One-Inch map : No. of Map..... National Grid Reference SK43/232248

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

Summary of Earlier Records from 10-year Sheets :

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
	✓	✓	✓	✓	
	D18				