

Rainfall at

CheltenhamE-~~30~~
30

51° 54'.30 N 2° 16' W

High Street

Observer S. Moss Esq^tGloucester
Y451

Crossley's Garage read at 8 Am. Above sea level
 Seven, L-3, 5 ft. above ground.

YEAR --	1830	1831	1832	1833	1834	1835	1836	1837	1838	1839	MEANS.
January --				.58	5.11	1.62	2.49	2.83	.64	1.95	
February --				5.66	1.90	3.36	2.89	3.59	3.18	1.69	
March -- -				2.02	.95	3.30	4.49	1.08	1.12	1.71	
April -- -				3.11	.96	1.70	2.59	1.53	1.32	1.81	
May -----				.72	1.09	4.32	.57	.88	2.73	.72	
June -----				3.88	2.33	3.20	2.14	1.05	3.61	6.26	
July -----				3.18	9.60	1.03	3.07	2.90	1.31	4.01	
August -- -				1.56	3.61	1.22	2.15	5.58	2.21		
September -				3.77	3.26	3.47	2.75	2.29	3.67		
October --				2.94	.43	6.03	3.45	1.83	1.92		
November -				2.26	1.94	3.33	4.79	1.93	5.58		
December -				3.78	1.12	.88	2.47	2.38	1.79		
TOTALS -				33.46	32.30	33.45	33.85	29.87	29.08		

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1837 from Trans. Met. Soc

1836 & totals for 3-4-5 from "Chelt Mag"

3 to 6 is also given in Jour. of Statistical Soc, Vol 20, p 399

1834 Feb elsewhere = 1.10 total 31.50

1838 Pub. Met. Soc

1839 Pub. Met. Soc

RAINFALL AT

Cheltenham, High Street

Lat.

Lon.

County of Gloucester West

Rain Gauge, by

Observer Royal Met Society

Severn, L - 3.

a. c. b. a. m. 1914/15

Diameter ..				5							
Height ..				10							
Altitude ..				188					214		
Year ..	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..					3.07	2.41	1.12	4.19	1.09	1.08	.65
February ..					1.21	3.67	.91	1.39	.98	.75	.44
March ..					3.06	1.29	3.42	1.01	.42	2.96	3.15
April ..					1.86	1.00	2.37	.58	3.14	2.00	1.83
May ..					4.51	2.52	.20	1.85	2.62	1.60	.89
June ..					3.80	.94	4.18	3.22	2.11	.83	2.99
July ..					4.58	2.63	.70	1.13	4.61	1.83	2.19
August ..					2.59	2.13	4.68	1.22	1.99	3.42	1.95
September ..					2.30	2.10	1.41	.77	.49	1.48	3.33
October ..					6.00	.40	1.38	4.01	6.23	1.17	3.49
November ..					1.61	1.56	2.91	3.27	1.53	.84	.87
December ..					1.24	1.76	.56	1.84	3.79	2.20	3.38
TOTALS ..					35.83	22.41	23.79	24.48	29.00	20.16	25.16

RAINFALL at Grettonham High StreetCounty of GloucestershireObserver Royal Meteorological Society
actingRiver Basin Severn. Top Bank Tributaries 3

Rain Gauge, by _____

Diameter ...	5									
Height	1.0									
Altitude ...	214									
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	MEANS.
January ...	2.66	1.12	2.97	4.62	.83	4.16	1.03	1.30	2.64	3.08
February ...	3.37	1.20	1.86	.95	2.68	4.52	4.18	(1.00)	1.10	2.29
March68	1.66	4.47	3.16	2.64	1.09	3.66	(2.20)	1.22	3.59
April	2.16	.68	.07	2.91	(1.00)	1.38	2.60	(1.54)	1.40	2.24
May	1.17	.76	1.68	3.86	1.24	2.85	2.50	(3.00)	1.22	1.24
June	3.07	1.97	5.92	.92	2.88	1.27	4.46	1.69	.63	1.30
July	2.04	.47	4.08	1.30	3.06	3.33	1.20	(2.05)	2.84	3.44
August	4.21	1.66	6.00	1.23	1.35	4.32	2.04	4.40	.83	2.15
September ..	.74	1.50	.58	2.81	.98	.72	(1.00)	1.65	5.31	1.66
October ...	2.76	1.79	2.66	3.56	1.86	2.86	(4.40)	3.15	1.61	1.93
November ..	3.80	2.52	1.44	2.43	2.90	1.68	(3.20)	.95	2.05	1.22
December...	4.41	6.45	2.93	1.03	5.89	4.44	2.71	.91	2.36	3.29
TOTALS ...	31.07	21.73	34.66	26.71	27.31	32.62	28.51	22.64	23.90	27.43
										27.658 d. imp.

April 1914 roughly estd

26.41.2 m

↑
Ref Cheltenham
Grid W 16 E 10
approx 10.

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
	51°54'	2°3' W						

Montpellier Edns.

RAINFALL at Cheltenham (High Street).

County of Gloucester.

Observer at C. Larkby Esq.

River Basin 3 - Severn L.

for Corporation.

J. 27 Showdon Rain Gauge, by sound & corrected
measure correct.Lieut. John Orgee, R.N. (1922)
D. Teachers for Tom Clark.

Diameter ...	5										MEANS.
Height	1.0										
Altitude ...	214										
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930
January	2.70	2.49	3.30	1.47	3.04	1.57	3.17	2.75	3.77	.92	4.86
February	.73	.24	2.73	5.53	.48	4.02	1.63	2.76	1.83	.38	1.35
March	2.96	1.24	1.84	1.81	.34	1.40	2.23	2.80	2.10	.06	1.60
April	3.86	1.07	2.90	2.29	2.28	1.66	3.42	1.63	.96	.83	2.56
May	1.08	1.39	.60	1.48	7.06	2.33	2.74	1.33	.72	1.57	1.94
June	2.63	.45	.71	3.57	.79	.04	1.64	2.83	2.27	1.29	4.46
July	4.42	.14	3.63	1.39	2.92	2.28	2.29	2.79	1.56	1.84	3.82
August	1.11	2.32	3.83	1.92	3.21	1.86	1.49	4.17	2.71	1.30	2.47
September	2.39	1.55	1.64	2.22	4.09	3.21	1.02	4.35	.77	.35	3.03
October	1.72	1.23	.62	5.07	2.83	2.35	2.59	1.28	5.03	4.03	1.94
November	.56	2.06	1.13	1.25	2.29	1.57	6.59	2.04	2.39	7.67	3.55
December	2.02	1.39	3.94	2.52	2.74	2.05	.48	2.91	2.30	6.92	3.38
TOTALS...	27.12	15.57	26.87	27.30	35.61	23.34	27.29	31.64	26.21	27.16	33.96

1922 : 3-storey Houses ^N Flag.

1922 : 3-storey houses - N.E.

Inspected 13. 3. v. 27. Is. in north corner of large open space
loses about 40ft. high, tilted 45° to N., quite open to south,
good exposure.Com. Orgee has a rain-gauge in his own garden at Oxford St. but the site is not
good & he does not forward forward returns.Position of Station on reduced Ordnance Survey } No. of Map _____ Reference No. _____
Map, 2 miles to 1 inch Series }

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge	Direction from gauge
present	51° 52'	2° 3' W.	Cheltenham MR	GWR 1 mi.	↙ GWR		3/4 mi.	

RAINFALL at Cheltenham (Montpellier Gardens)

County of Gloucestershire.....

Observer The Town Clerk

River Basin Severn [cf. Bant's Guide] - 3.

Type of Gauge (A)

Annual Average 26.5 in. based on 35 years obs. un-weighted. Period of average (1881-1915) Ref. Bant's N

Diameter	5"										
Height	1.0"										
Altitude	214'										
Year	1881	1882	1883	1884	1885	1886	1887	1888	1889	1890	Mean Total
January	1.56	2.80	2.39	1.95	.89	3.29	3.33	2.71	4.68	2.54	26.54
February	2.39	.90	3.97	1.43	2.25	2.36	3.36	.77	1.12	1.93	18.88
March	.37	1.64	2.21	2.47	.48	1.86	3.78	.20	1.63	1.69	16.33
April	3.25	2.66	0.90	2.54	4.52	2.01	2.26	.13	2.83	1.75	22.85
May	3.39	6.04	2.12	.94	1.12	.74	1.82	1.63	.85	1.47	20.12
June	4.19	1.30	2.14	.97	3.05	3.77	1.23	.99	1.82	.41	19.87
July	3.73	1.65	1.66	2.17	.40	5.04	2.40	2.65	4.96	3.08	27.74
August	3.96	1.78	0.39	2.08	1.26	.20	.65	3.57	2.60	.10	16.59
September	2.33	3.04	2.73	1.98	3.72	3.28	1.59	2.58	.61	1.03	23.09
October	.74	4.33	3.67	1.21	4.84	1.53	2.83	2.73	2.69	2.92	27.39
November	4.07	1.74	0.70	1.80	5.48	2.34	1.41	2.69	3.68	5.66	29.60
December	1.05	1.13	0.45	4.87	4.08	3.58	1.90	3.12	1.70	.92	22.70
TOTALS	31.03	28.41	23.26	23.41	20.09	30.20	26.46	23.77	29.57	23.50	271.70

1936 New taper measure 5" bought 25-1-36

1936 Inspected 14.10.36. No change.

1937 Inspected 11.10.36. A new autograph gauge has been set up.

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	Parish Church	Distance from gauge

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

Station No.

2177

162

RAINFALL at Cheltenham (Montpellier Gardens) (M.W.R.) 41

County of Gloucestershire Observer The Town Clerk

River Basin Left Bank Ticks: - 3

Type of Gauge (+A) New C.O.G. 42/215 on 3/9/1948

Annual Average 26.5 in. based on 35 years obs. un-weighted. Period of average 1881- 1915 Ref BoffN

File No.

Diameter	5"				458	905					
Height	1' 0"						1				
Altitude	214'						(2)				
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means Total.
January	1.98	2.58	4.67	1.71	1.32	2.12	1.78	4.45	1.23	.22	22.06
February	2.06	.48	1.41	.71	1.53	1.59	.89	1.59	1.18	5.15	16.59
March	2.65	1.75	.80	.28	1.05	.66	4.87	1.32	1.22	1.37	15.87
April	.93	1.26	.92	1.10	1.04	1.66	2.55	1.69	1.89	1.75	14.79
May	1.54	3.14	2.58	.66	2.31	2.98	1.53	3.56	2.35	1.83	22.48
June	1.56	.20	1.82	2.10	2.32	2.03	1.49	1.55	.62	2.47	16.16
July	2.68	1.73	.62	2.77	1.52	1.22	2.78	.99	.63	2.85	17.69
August	3.58	4.13	1.89	3.19	1.78	5.42	.24	3.31	1.10	3.72	28.42
September	.47	1.37	1.67	2.26	1.45	3.69	1.81	2.61	1.78	2.89	20.00
October	2.10	2.52	1.99	3.82	3.33	.35	.27	2.84	5.00	.84	23.06
November	2.34	1.48	1.25	3.79	.41	4.62	1.54	1.11	2.70	5.33	21.57
December	1.91	3.03	1.11	1.97	4.13	2.16	1.72	3.93	1.20	1.32	22.48
TOTALS	23.60	23.67	20.73	24.36	22.19	28.50	21.47	29.01	20.90	29.74	244.7

Inspected 1947 Inspected 1948 Inspected 1949 Inspected 1950 Inspected 1951

+ gauge reading + gauge reading + gauge reading + gauge reading + gauge reading

1948 Inspected by Mr G. D. G. True 6' high 15 yds N. Cedar tree 60' high 17 yds NNE; iron fence 6' high to N.E. & S.E.

30.9.48 Observer asked to cap trees above fence to N.E. 95° E. by 8' or 10'

23/3/50 Same. Mr P. H. Wright. No satisfactory site though cedar over 18 yds S. Preferred new site in garden. This would be nearly ideal.

Gauge believed to be very good.

214.43

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

Station No. 2177

RAINFALL at Cheltenham (Montpellier Gardens) (ENR) 51
 1951-55. ¹⁹⁵¹⁻⁵⁵
 County of Gloucester Observer Town Clark
 River Basin Severn L. Bank Trib. 3
 Type of Gauge M.C. (+A)

Annual Average 26.5 in. based on 35 years obs. un-weighted. Period of average 1881-1915 Ref. B. of N.P.
 26.90 " " 36 " 1920-1955 1916-1954 File No. E 15269/52
 E 1973/55

Diameter	5"				458	905							
Height	1' 0"						1						
Altitude	214'						51						
Year	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means	Total	
January	2.46	1.91	1.82	1.12	1.90	3.39	1.80	1.93	4.79	4.01	24.03	610.4	
February	3.43	1.66	1.41	2.28	1.32	1.16	2.39	3.25	1.11	2.12	17.43		
March	3.90	1.88	1.68	2.07	1.65	1.64	1.85	1.11	2.31	1.36	17.45		
April	2.93	1.98	2.35	2.29	1.87	1.80	1.11	1.69	3.07	1.06	15.15		
May	2.88	3.06	2.33	2.10	4.10	1.67	1.51	2.55	1.85	1.79	21.84		
June	4.7	1.72	1.64	3.11	3.50	(1.80)	1.07	3.78	1.30	2.18	20.57		
July	1.87	1.35	2.44	2.40	1.34	(2.40)	3.47	3.15	1.76	3.41	20.59		
August	4.68	4.03	3.28	3.93	1.55	5.61	3.04	1.83	1.47	5.72	34.14		
September	2.03	1.09	2.95	2.18	1.61	3.33	2.95	3.42	1.24	4.20	23.00		
October	1.74	2.89	2.07	2.48	1.17	(1.60)	1.31	2.91	2.10	4.60	21.05		
November	6.34	2.99	1.84	6.22	2.94	(1.80)	1.85	2.48	3.48	4.31	32.75		
December	2.18	2.23	1.77	2.30	2.55	(2.85)	(3.20)	2.49	2.70	5.47	2.38	26.27	
TOTALS	32.91	24.69	21.58	30.48	21.50	(25.70)	1.84	29.48	26.95	37.14	274.27		
	D	D	D	D	D	Incl. NP	D	D	D	D			

1951. Replaced 18.vi. by L. Jacobs. New site chosen; 20 mds. apart.

1952. Rep. 23.5 " " Site removed & incl. moved 18.vii. 1952. Site now stable.

Units in April removed but top. & ground loose.

1957. C. as M.R. again, sending rainfall + sunshine on 13.203.W. 9. June '57.

1958. Rather less but print.

Jan. 17.6.59 - Mr. F.H. Sharp - Saturating may be slight overshoot from their 30 days.

01474

Position of Station on Ordnance One-Inch map : No. of Map National Grid Reference 50 (32) 946218

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

Summary of Earlier Records from 10-year Sheets :

1916-1950, P - accepted

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
	✓ AVG. d.19	✓ but - 27	✓ but - 37	✓	✓