

Rainfall at Cheltenham

6-30

51° 54.30 N 2° 16 W

High Street

Observer S Moss Esq^r

Glover
Y457

Crossley's gauge read at 8 AM. Above sea level
Seven, 2-3! 5ft 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 --				3.66	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 20/1899

1834 Feb elsewhere = 1.10 total 31.50

1838 Met. Met Soc

1839 Met Met Soc

RAINFALL AT Cheltenham, High Street

Lat. ....

Lon. ....

County of Gloucestershire

Rain Gauge, by .....

Observer Royal Meteorological SocietySevern, L-3.R.C. Smith

|              |      |      |      |       |       |       |       |       |       |       |        |
|--------------|------|------|------|-------|-------|-------|-------|-------|-------|-------|--------|
| 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  | 1.05  | .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  | 1.82  |        |
| May .....    |      |      |      | 4.51  | 2.52  | .20   | 1.85  | 2.62  | 1.60  | .89   |        |
| June .....   |      |      |      | 3.80  | .94   | 4.13  | 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

Cheltenham High Street

County of Gloucestershire

Observer Royal Meteorological Society  
A.C. Leach

River Basin Severn Left Bank Tributaries 3

Rain Gauge, by

|              |       |       |       |       |        |       |        |        |       |       |        |  |
|--------------|-------|-------|-------|-------|--------|-------|--------|--------|-------|-------|--------|--|
| Diameter ... | 5     |       |       |       |        |       |        |        |       |       |        |  |
| Height ..... | 1.0   |       |       |       |        |       |        |        |       |       |        |  |
| Altitude ... | 214   |       |       |       |        |       |        |        |       |       |        |  |
| Year ...     | 1910  | 1911  | 1912  | 1913  | 1914   | 1915  | 1916   | 1917   | 1918  | 1919  | MEANS. |  |
| January ...  | 2.66  | 1.12  | 2.97  | 4.62  | .83    | 4.16  | 1.03   | 1.30   | 2.64  | 3.08  | 805    |  |
| February ... | 3.37  | 1.20  | 1.86  | .85   | 2.68   | 4.52  | 4.18   | (1.00) | 1.10  | 2.29  | 857    |  |
| March .....  | .68   | 1.66  | 4.47  | 3.16  | 2.64   | 1.09  | 3.66   | (3.20) | 1.22  | 3.59  | 10.67  |  |
| April .....  | 2.16  | .68   | .07   | 2.91  | (1.00) | 1.38  | 1.20   | 1.40   | 2.09  | 2.24  | 6.93   |  |
| May .....    | 1.17  | .76   | 1.68  | 1.86  | 1.24   | 2.85  | (2.50) | (3.00) | 1.22  | 1.24  | 7.96   |  |
| June .....   | 3.07  | 1.97  | 5.92  | .92   | 2.88   | 1.27  | 1.46   | 1.69   | .63   | 1.30  | 5.78   |  |
| July .....   | 2.04  | .47   | 4.08  | 1.30  | 3.06   | 3.33  | 1.30   | 2.05   | 2.84  | 3.44  | 9.27   |  |
| August ..... | 4.21  | 1.66  | 6.00  | 1.23  | 1.35   | 4.32  | (3.40) | 4.40   | .83   | 2.15  | 16.78  |  |
| September .. | .74   | 1.50  | .58   | 2.81  | .98    | .72   | (1.00) | 1.66   | 5.31  | 1.66  | 9.62   |  |
| October ...  | 2.76  | 1.79  | 2.66  | 3.56  | 1.86   | 2.86  | (4.40) | 3.15   | 1.61  | 1.93  | 11.09  |  |
| November ..  | 3.80  | 2.52  | 1.44  | 2.43  | 2.90   | 1.68  | 3.20   | .95    | 2.05  | 1.22  | 7.42   |  |
| December ... | 4.41  | 6.45  | 2.93  | 1.03  | 5.89   | 4.44  | 2.71   | .91    | 2.36  | 3.29  | 9.27   |  |
| TOTALS ...   | 31.07 | 21.73 | 34.66 | 26.71 | 27.31  | 32.62 | 30.38  | 23.70  | 23.90 | 27.43 | 27.68  |  |

April 1914 complete with  
26-4-23 yr

↑  
Ref Cheltenham  
and 1914-20  
amps  
112

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



RAINFALL at *Cheltenham (High Street)* *Montpellier Edms.*County of *Gloucester*Observer *Ed. C. Lamb, Esq.*River Basin *3 - Severn L.**for Corporation.*  
*Lieut. John Orgee, R.N. (1922)*  
*D. Pouchard for Jam. Bank.**Shandon Rain Gauge, by*  
*sound current*  
*measured current*

| Diameter ...  | 5     |       |       |       |       |       |       |       |       |       |                |        |  |
|---------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------------|--------|--|
| Height .....  | 1.0   |       |       |       |       |       |       |       |       |       |                |        |  |
| Altitude ...  | 214   |       |       |       |       |       |       |       |       |       |                |        |  |
| Year .....    | 1920  | 1921  | 1922  | 1923  | 1924  | 1925  | 1926  | 1927  | 1928  | 1929  | 1930<br>MEANS. |        |  |
| January ...   | 2.70  | 2.49  | 3.30  | 1.47  | 3.08  | 1.57  | 3.17  | 2.75  | 3.77  | .92   | 4.86           | 3198   |  |
| February ...  | .73   | .24   | 2.73  | 5.53  | .48   | 4.02  | 1.63  | 2.76  | 1.83  | .38   | 1.35           | 2068   |  |
| March .....   | 2.96  | 1.24  | 1.84  | 1.81  | .84   | .40   | .23   | 2.80  | 2.10  | .06   | 1.60           | 1588   |  |
| April .....   | 3.86  | 1.07  | 2.90  | 2.29  | 2.28  | 1.66  | 3.42  | 1.63  | .96   | .83   | 2.56           | 2326   |  |
| May .....     | 1.08  | 1.39  | .60   | 1.48  | 7.06  | 2.33  | 2.74  | 1.33  | .72   | 1.57  | 1.94           | 2224   |  |
| June .....    | 2.63  | .45   | .71   | .35   | 1.79  | .04   | 1.64  | 2.83  | 2.27  | 1.29  | 4.46           | 1846   |  |
| July .....    | 4.42  | .14   | 3.63  | 1.39  | 3.92  | 2.28  | 2.29  | 2.79  | 1.56  | 1.84  | 3.82           | 2808   |  |
| August .....  | 1.11  | 2.32  | 3.83  | 1.92  | 3.21  | 1.86  | 1.49  | 4.17  | 2.71  | 1.30  | 2.47           | 2639   |  |
| September...  | 2.38  | 1.55  | 1.64  | 2.22  | 4.09  | 3.21  | 1.02  | 4.35  | .77   | .35   | 3.03           | 2456   |  |
| October ..... | 1.72  | 1.23  | .62   | 5.07  | 3.83  | 2.35  | 2.59  | 1.28  | 5.03  | 4.03  | 1.94           | 2969   |  |
| November...   | .56   | 2.06  | 1.13  | 1.25  | 2.29  | 1.57  | 6.59  | 2.04  | 2.39  | 7.67  | 3.55           | 3110   |  |
| December...   | 2.02  | 1.39  | 3.94  | 2.52  | 2.74  | 2.05  | .48   | 2.91  | 2.30  | 6.92  | 3.38           | 3065   |  |
| TOTALS...     | 27.12 | 15.57 | 26.87 | 27.30 | 35.61 | 23.34 | 27.29 | 31.64 | 26.21 | 27.16 | 33.96          | 302.07 |  |
|               | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0              | 0      |  |

1922: 3-storey Houses *Flag.*

1922: Trees 30' high, 30' W - N.E.

Inspected 7.3.27 9. in north corner of large open space  
 trees about 70ft. high subtended 45° to N, quite open to south,  
 good exposure.  
 Mr. Orgee has a rain-gauge in his own garden at Oxford St. but the site is not  
 good & he does not propose forward return.

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 |
|--------------------|---------------|--------------|-------------------|---------------------|----------------------|----------------|---------------------|----------------------|
| <i>free sheet.</i> | <i>51°32'</i> | <i>2°34'</i> | <i>Cheltenham</i> | <i>1 mi.</i>        | <i>←</i>             |                | <i>3 1/4 mi.</i>    |                      |
|                    |               |              | <i>QWR</i>        |                     |                      |                |                     |                      |
|                    |               |              | <i>MR</i>         |                     |                      |                |                     |                      |

RAINFALL at Cheltenham (Montpellier Gardens)County of Gloucestershire Observer The Town ClerkRiver Basin Severn (Left Bank) - 3Type of Gauge (+ A)Annual Average 26.5 in. based on 35 years obs. un-weighted. Period of average 1881-1915 Ref. B. of N.

| Diameter  | 5     |       |       |       |       | 5"    |       |       |       |       |               |    |
|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---------------|----|
| Height    | 1.0   |       |       |       |       | 1.0"  |       |       |       |       |               |    |
| Altitude  | 214   |       |       |       |       | 214'  |       |       |       |       |               |    |
| Year      | 1931  | 1932  | 1933  | 1934  | 1935  | 1936  | 1937  | 1938  | 1939  | 1940  | Mean<br>Total |    |
| January   | 1.56  | 2.80  | 2.39  | 1.95  | .89   | 3.49  | 3.33  | 2.71  | 4.88  | 2.54  | 26.54         |    |
| February  | 2.39  | .90   | 3.97  | .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  | 22.25         |    |
| 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  | .81   | 1.03  | 23.09         |    |
| October   | .74   | 4.33  | 3.57  | 1.21  | 4.84  | 1.53  | 2.83  | 2.73  | 2.69  | 2.92  | 27.39         |    |
| November  | 4.07  | 1.74  | 0.73  | 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  | 1.80  | 3.12  | 1.70  | .92   | 22.70         |    |
| TOTALS    | 31.03 | 28.41 | 23.26 | 23.41 | 22.09 | 30.20 | 26.46 | 23.77 | 29.57 | 23.50 | 271.70        | 87 |

1936 New tapes 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,  
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 |
|-------|---------|-------|------------------|---------------------|----------------------|----------------|---------------------|----------------------|
|       |         |       |                  |                     |                      |                |                     |                      |

Station No. 2177

RAINFALL at Cheltenham (Montpellier Gardens) (MWR) 41

County of Gloucestershire Observer The Town Clerk

River Basin River - Left Bank Tils - 3

Type of Gauge (A) New R.O. 4215 on 21948

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

File No.

| Diameter  | 5"    |       |       |       | 458   | 905   |       |       |       |       |        |        |
|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|
| Height    | 1'0"  |       |       |       |       | 1     |       |       |       |       |        |        |
| Altitude  | 214'  |       |       |       |       | 4     |       |       |       |       |        |        |
| Year      | 1941  | 1942  | 1943  | 1944  | 1945  | 1946  | 1947  | 1948  | 1949  | 1950  | Means  | Totals |
| 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     | 2.55  | 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  | 1.67  | 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      | 2.58  | 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   | 3.37  | 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  | 24.57  |        |
| 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 | 214.17 |        |

Inspected 1947 Gauge satisfactory but funnel looking New gauge recommended 12-47

1948 Inspected by the G.O. 21/6. Tree 60' high 15" gale N. Cane tree 60' high 17" gale. N.W. 1/2 from fence to 6" high to N.E. &amp; S.E.

30.9.48 Observer asked to top cross &amp; move fence to N.E. 45° E. by 8' or 10'

23/3/50 Supt. Mr H.H. Dyer. No satisfactory take through better one 18 yds S. Proposed new site in Imperial Lydes would be nearly ideal. Gauge battered to be strengthened.

1950 Mr. Dyer.

21 4 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. | Direction from gauge. |
|-------|---------|-------|------------------|---------------------|----------------------|----------------|----------------------|-----------------------|
|       |         |       |                  |                     |                      |                |                      |                       |

BRITISH RAINFALL ORGANIZATION



