

# RAINFALL AT *Brockham North Lodge*

Lat. \_\_\_\_\_

Lon. \_\_\_\_\_

County of *Surrey*

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

Observer *H. R. Kempe Esq.*

*5. Thames. Mole.*

|               |              |              |              |              |              |              |              |              |              |              |               |  |
|---------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|---------------|--|
| Diameter .... | 8            |              |              |              |              |              |              |              |              |              |               |  |
| Height .....  | <i>- 9</i>   |              |              |              |              |              |              |              |              |              |               |  |
| Altitude .... | ...          |              |              |              |              |              |              |              |              |              |               |  |
| Year .....    | 1890         | 1891         | 1892         | 1893         | 1894         | 1895         | 1896         | 1897         | 1898         | 1899         | MEANS.        |  |
| January ....  | <i>3.88</i>  | <i>2.93</i>  | <i>.50</i>   | <i>2.07</i>  | <i>4.71</i>  | <i>2.20</i>  | <i>.80</i>   | <i>2.27</i>  | <i>.56</i>   | <i>3.23</i>  | <i>2.315</i>  |  |
| February .... | <i>.72</i>   | <i>.26</i>   | <i>.97</i>   | <i>4.02</i>  | <i>1.82</i>  | <i>.11</i>   | <i>.21</i>   | <i>2.85</i>  | <i>1.21</i>  | <i>3.22</i>  | <i>1.539</i>  |  |
| March .....   | <i>2.71</i>  | <i>2.17</i>  | <i>1.33</i>  | <i>.89</i>   | <i>2.01</i>  | <i>2.09</i>  | <i>3.91</i>  | <i>4.56</i>  | <i>1.27</i>  | <i>.90</i>   | <i>2.184</i>  |  |
| April .....   | <i>2.55</i>  | <i>.59</i>   | <i>1.13</i>  | <i>.06</i>   | <i>2.32</i>  | <i>1.76</i>  | <i>.77</i>   | <i>1.71</i>  | <i>.77</i>   | <i>2.46</i>  | <i>1.412</i>  |  |
| May .....     | <i>1.50</i>  | <i>2.52</i>  | <i>1.60</i>  | <i>.77</i>   | <i>1.98</i>  | <i>.35</i>   | <i>.22</i>   | <i>1.41</i>  | <i>3.02</i>  | <i>1.76</i>  | <i>1.503</i>  |  |
| June .....    | <i>2.19</i>  | <i>1.31</i>  | <i>2.91</i>  | <i>.70</i>   | <i>2.47</i>  | <i>.25</i>   | <i>2.78</i>  | <i>1.39</i>  | <i>1.23</i>  | <i>1.27</i>  | <i>1.650</i>  |  |
| July .....    | <i>4.63</i>  | <i>3.79</i>  | <i>1.90</i>  | <i>3.03</i>  | <i>4.26</i>  | <i>5.11</i>  | <i>1.18</i>  | <i>1.90</i>  | <i>.66</i>   | <i>.58</i>   | <i>2.704</i>  |  |
| August .....  | <i>2.45</i>  | <i>4.82</i>  | <i>3.22</i>  | <i>.65</i>   | <i>2.74</i>  | <i>2.44</i>  | <i>1.95</i>  | <i>2.50</i>  | <i>.85</i>   | <i>.69</i>   | <i>2.231</i>  |  |
| September.... | <i>.93</i>   | <i>1.44</i>  | <i>1.94</i>  | <i>1.35</i>  | <i>1.83</i>  | <i>.68</i>   | <i>8.73</i>  | <i>2.83</i>  | <i>.50</i>   | <i>2.87</i>  | <i>2.310</i>  |  |
| October ..... | <i>.96</i>   | <i>7.61</i>  | <i>4.25</i>  | <i>4.01</i>  | <i>4.41</i>  | <i>3.39</i>  | <i>3.35</i>  | <i>.58</i>   | <i>3.98</i>  | <i>2.36</i>  | <i>5.490</i>  |  |
| November....  | <i>2.49</i>  | <i>3.29</i>  | <i>2.85</i>  | <i>2.62</i>  | <i>5.32</i>  | <i>5.80</i>  | <i>1.71</i>  | <i>1.20</i>  | <i>4.23</i>  | <i>5.71</i>  | <i>5.522</i>  |  |
| December .... | <i>.76</i>   | <i>4.51</i>  | <i>2.38</i>  | <i>3.16</i>  | <i>2.32</i>  | <i>2.91</i>  | <i>4.80</i>  | <i>4.57</i>  | <i>3.20</i>  | <i>1.23</i>  | <i>2.984</i>  |  |
| TOTALS ...    | <i>25.77</i> | <i>35.24</i> | <i>24.98</i> | <i>23.33</i> | <i>36.09</i> | <i>27.09</i> | <i>30.41</i> | <i>27.77</i> | <i>21.48</i> | <i>26.28</i> | <i>27.844</i> |  |

*1890 Christchurch Brockham 400 yards S.W.*

# RAINFALL AT Brockham North Lodge

Lat. .... Lon. .... County of Surrey East  
 Rain Gauge, by ..... Observer H.R. Kampa Esq  
5/Thames. mole.

|              |       |       |       |       |       |       |       |       |       |       |        |  |
|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--|
| Diameter ..  | 8     |       |       |       |       |       |       |       |       |       |        |  |
| Height ....  | 0 9   |       |       |       |       |       |       |       |       |       |        |  |
| Altitude ..  | 160   |       |       |       |       |       |       |       |       |       |        |  |
| Year ....    | 1900  | 1901  | 1902  | 1903  | 1904  | 1905  | 1906  | 1907  | 1908  | 1909  | MEANS. |  |
| January ..   | 3.91  | 1.27  | .43   | 2.20  | 5.44  | .96   | 5.47  | .10   | 1.59  | 1.11  | 2.448  |  |
| February ..  | 5.56  | 2.21  | 1.12  | 2.08  | 3.25  | .52   | 2.59  | 1.59  | 1.14  | .73   | 2.079  |  |
| March ....   | .88   | 2.45  | 1.68  | 3.82  | 1.55  | 4.34  | 1.39  | 1.12  | 3.43  | 3.62  | 2.428  |  |
| April .....  | .88   | 2.23  | .59   | 1.86  | 1.42  | 1.19  | .43   | 3.64  | 2.66  | 2.17  | 1.707  |  |
| May .....    | 1.11  | .50   | 1.76  | 2.54  | 1.93  | .46   | 1.17  | 1.93  | 2.50  | 1.40  | 1.530  |  |
| June .....   | 2.36  | 1.45  | 3.99  | 5.12  | .40   | 3.11  | 1.25  | 1.70  | 1.99  | 2.85  | 2.422  |  |
| July .....   | .93   | 1.52  | 1.83  | 4.04  | .80   | .07   | .10   | 1.56  | 3.02  | 3.29  | 1.716  |  |
| August ....  | 3.07  | 1.71  | 2.79  | 4.27  | 1.06  | 2.29  | .28   | 2.82  | 4.37  | 2.66  | 2.532  |  |
| September..  | 1.16  | 1.66  | .44   | 3.24  | .88   | 2.00  | 1.06  | .37   | 1.45  | 2.65  | 1.489  |  |
| October .... | 2.10  | 2.69  | 2.38  | 7.81  | 1.14  | 1.31  | 3.24  | 5.17  | 2.31  | 5.70  | 3.385  |  |
| November..   | 2.47  | .83   | 2.67  | 2.57  | 1.34  | 4.77  | 3.34  | 3.71  | .78   | .96   | 2.344  |  |
| December ..  | 3.12  | 4.96  | 1.35  | 2.53  | 3.16  | .55   | 1.43  | 4.13  | 3.74  | 4.70  | 2.967  |  |
| TOTALS ..    | 27.55 | 23.48 | 21.03 | 42.08 | 22.35 | 21.57 | 21.75 | 27.84 | 28.98 | 31.84 | 26.847 |  |

1900 Christchurch Brockham 400 yards S.W.  
 1903 Betchworth Station 1 1/4 miles N.E.

RAINFALL at Brockham Heath LodgeCounty of Surrey Observer H.R. Kempe Esq. etc.River Basin Thames-Mole 5

iron Glaisher Rain Gauge, by H.R. Kempe  
 Date 1914  
 from 8.00 all wet & glass covered

| Diameter ... | 4     |       |       |       |       |       |       | 5     |       | 8     |        |
|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| Height ..... | 0     | 9     |       |       |       |       |       |       |       |       |        |
| Altitude ... | 160   | T     |       |       |       |       |       |       |       |       |        |
| Year ...     | 1910  | 1911  | 1912  | 1913  | 1914  | 1915  | 1916  | 1917  | 1918  | 1919  | MEANS. |
| January ...  | 2.67  | 1.70  | 3.39  | 4.60  | .82   | 4.57  | 1.64  | 1.36  | 2.90  | 4.51  | 2.816  |
| February ... | 4.90  | 1.65  | 2.56  | 1.45  | 5.59  | 5.57  | 4.98  | 1.05  | 1.96  | 2.64  | 3.235  |
| March .....  | 1.41  | 1.90  | 5.19  | 3.40  | 5.17  | .87   | 4.58  | 2.28  | 1.15  | 3.72  | 2.967  |
| April .....  | 2.32  | 2.22  | .10   | 3.30  | 1.29  | 1.50  | 1.37  | 2.65  | 3.60  | 2.95  | 2.130  |
| May .....    | 1.94  | 2.09  | 1.58  | 2.00  | 1.42  | 2.76  | 1.82  | 1.96  | 1.38  | .34   | 1.723  |
| June .....   | 1.48  | 2.74  | 2.97  | .23   | .47   | 1.46  | 2.44  | 1.41  | .96   | .93   | 1.509  |
| July .....   | 3.78  | .22   | 1.63  | 2.73  | 1.89  | 4.73  | 1.22  | 3.97  | 5.69  | 2.01  | 2.787  |
| August ..... | 2.74  | .15   | 6.64  | 1.94  | 1.40  | 2.26  | 3.18  | 5.86  | 1.11  | 2.39  | 2.767  |
| September .. | .76   | 1.14  | 3.49  | 1.69  | .98   | 2.28  | 1.50  | 1.98  | 5.63  | 1.35  | 2.080  |
| October ...  | 3.20  | 5.08  | 3.49  | 4.65  | 1.83  | 2.51  | 5.55  | 3.52  | 1.44  | .70   | 3.197  |
| November ..  | 3.71  | 4.56  | 2.76  | 3.38  | 4.40  | 2.85  | 5.47  | 1.31  | 2.78  | 1.77  | 3.298  |
| December ... | 5.25  | 8.36  | 4.10  | 1.60  | 9.66  | 7.02  | 3.26  | 2.17  | 2.74  | 5.34  | 4.950  |
| TOTALS ...   | 34.16 | 31.81 | 37.90 | 30.97 | 34.92 | 38.37 | 37.01 | 29.45 | 31.34 | 28.65 | 33.459 |
|              | 3     | imp 2 |       | 7     | 3     | 3     | 3     | 3     | 3     | 3     |        |

Two runs 30 ft high 10 yds N.W.

Inspected C.S. 8 x 1.3 Old Glaisher very rusty, big hole in flange (mistake recent)  
 Screen of beans (not permanent) on SE but exposure tolerable.  
 New snowdon will be erected alongside

| Date. | Lat. N. | Long. | Railway Station. | Distance. | Direction. | Church.  | Distance. | Direction. |
|-------|---------|-------|------------------|-----------|------------|----------|-----------|------------|
| 9/11  |         |       | Betchworth       | 1 1/4 M   | NE         | Brockham | 100 yds   | S.W.       |



Love them

Observer H. R. Kempe Esq. L.E.

British Rain Gauge, by H. & J.  
"Snowdon" 1925

Totals

News

343.09

1920: 2 Trees 30ft high 10yds N.W.

Inspected 1913.

1926. Gauge moved May 31<sup>st</sup> 1/2 mi. N.  
Box Hill 140 ft. high 1/2 mi. N.

1930. G. read a.m. in winter & summer.

*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 | Direction |
|-------|---------|-------|------------------|----------------------------|-----------|--------------------------|---------------------|-----------|
| 1920  |         |       | Petchworth       | <sup>150</sup><br>1 1/4 mi | N.E.      | Christchurch<br>Brockham | 200<br>400 yds      | S.W.      |
|       |         |       | "                | 1 1/2 mi                   | N.E.      | Christ Church            | 3 mi                | S.        |

RAINFALL at BrockhamCounty of SurreyObserver H. R. Kempe Esq. C.E.River Basin Thames Mole & C. 5

Type of Gauge.....

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

|                 |       |       |       |       |      |      |      |      |      |      |       |  |
|-----------------|-------|-------|-------|-------|------|------|------|------|------|------|-------|--|
| Diameter .....  | 8     |       |       |       |      |      |      |      |      |      |       |  |
| Height .....    | 0 9   |       |       |       |      |      |      |      |      |      |       |  |
| Altitude .....  | 180   |       |       |       |      |      |      |      |      |      |       |  |
| Year .....      | 1931  | 1932  | 1933  | 1934  | 1935 | 1936 | 1937 | 1938 | 1939 | 1940 | Means |  |
| January .....   | 2.15  | 3.66  | 2.31  | 2.06  |      |      |      |      |      |      |       |  |
| February .....  | 2.23  | 3.0   | 3.21  | 3.1   |      |      |      |      |      |      |       |  |
| March .....     | 3.8   | 1.62  | 4.00  | 2.58  |      |      |      |      |      |      |       |  |
| April .....     | 4.75  | 2.58  | 6.8   | 3.09  |      |      |      |      |      |      |       |  |
| May .....       | 2.58  | 3.93  | 2.55  | 6.1   |      |      |      |      |      |      |       |  |
| June .....      | 1.92  | 1.59  | 1.46  | 1.18  |      |      |      |      |      |      |       |  |
| July .....      | 3.24  | 2.51  | 1.75  | 2.41  |      |      |      |      |      |      |       |  |
| August .....    | 5.01  | 5.3   | 1.01  | 1.59  |      |      |      |      |      |      |       |  |
| September ..... | 2.45  | 1.94  | 2.77  | 1.82  |      |      |      |      |      |      |       |  |
| October .....   | 5.6   | 6.24  | 2.10  | 2.20  |      |      |      |      |      |      |       |  |
| November .....  | 3.99  | 1.41  | 1.12  | 3.33  |      |      |      |      |      |      |       |  |
| December .....  | 6.9   | 7.7   | 5.0   | 8.89  |      |      |      |      |      |      |       |  |
| TOTALS .....    | 29.95 | 27.08 | 23.46 | 30.07 |      |      |      |      |      |      |       |  |

Unable to carry on after 1934 owing to age (83) rods circumferences.

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 |
|-------|---------|-------|------------------|---------------------|----------------------|--|---------------------|----------------------|
| 1931. |         |       | Hatchworth.      | 1 1/2 m.            | N. E.                | St. Michael's Church<br>Brockham Green | 1/2 m.              | S.                   |