

Rainfall at Ambleside Lasketh House

E-16-40

Observer ^{See Ganniere} John Davy Esq. M.D. F.R.S.

Gauge

+ Sea level 190 ft.

YEAR --	1840	1841	1842	1843	1844	1845	1846	1847	1848	1849	MEANS.
January --					7.42				4.72	12.80	
February --					5.70				14.10	2.92	
March --					7.99				5.95	1.93	
April --					3.17				2.30	1.72	
May --					.13				2.03	2.92	
June --					4.23				5.57	1.50	
July --					4.24				6.05	6.56	
August --					5.35				5.85	6.92	
September --					6.60				2.08	2.96	
October --				11.72	7.20				9.94	11.36	
November --				12.44	4.75				7.41	8.93	
December --				3.94	1.30				11.04	4.86	
TOTALS --					58.08				77.04	63.38	

C 58.83

8-9 Phil Tr 8-27

1848 - The Monthly values given by Dr. Miller mostly differ from the above (which were supplied by Dr. Davy) and the total given by him is 77.58

48

Wainfall at Wobbeside
 Leathes How
 Observed. Dr. Dary.

50
 E-ly 89

Gauge

Above Sea Level 190 ft

YEAR - -	1850	1851	1852	1853	1854	1855	1856	1857	1858	1859	MEANS.
January - -	5.20	19.54	20.37	13.25	10.58	1.60	6.96	7.73	7.13	14.82	10.726+
February - -	14.45	9.50	13.00	1.37	5.62	2.10	6.57	7.55	1.42	7.29	6.895
March - - -	1.73	5.31	.23	3.77	4.32	6.35	1.14	5.87	3.81	10.32	4.285
April - - -	6.64	3.41	.91	6.05	1.21	2.66	2.93	2.85	4.03	5.44	3.613
May - - - -	2.91	2.34	6.31	.72	3.94	1.97	3.93	3.23	4.69	.46	3.050 -
June - - - -	3.99	6.55	5.69	3.09	6.47	4.74	5.30	3.57	1.88	1.91	4.319
July - - - -	6.54	8.46	4.72	7.84	3.83	5.85	2.64	3.28	6.58	2.08	5.182
August - - -	9.27	7.20	8.64	4.98	7.97	7.97	6.54	3.20	4.39	5.45	6.561
September -	3.82	4.52	3.49	6.54	6.35	1.31	4.79	4.46	9.37	11.36	5.601
October - -	6.58	8.38	4.78	9.04	8.23	10.17	3.30	5.60	8.61	6.09	7.158
November -	13.26	2.52	11.80	9.59	7.31	4.47	2.09	5.33	3.38	10.08	6.983
December -	5.46	6.41	24.39	1.96	19.80	4.40	10.35	9.85	8.86	7.93	9.941
TOTALS -	79.85	84.22	104.33	188.20	65.63	53.67	56.54	62.52	64.15	84.03	74.314

C C + C 66.27 C 59 - C C C C C
 0-3 3 Muller
 2 - Leslie 10-72
 1852 - Total agrees with ppt by J F Muller

8 - Total = 63.44 in ppt (for 1859) by S. Marshall, Kendal
 1859 - Total = 84.12 in ppt by S. Marshall, Kendal

Lesketh How
nr. Ambleside

St. John Dary

8 60 *1-6 60*
3
Diam. 6 in. + Ground 2 ft. + Sea Level 130 ft *110 61*

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -	14.34	6.69	9.61	13.14	9.95	0.25	13.90	10.78			
February - -	5.55	12.08	2.65	5.80	5.73	7.00	10.92	11.55			
March - - -	0.56	11.67	6.26	3.66	6.97	2.99	6.94	3.97			
April - - -	3.14	.99	9.24	4.54	2.99	1.80	2.97	9.01			
May - - - -	5.33	1.10	4.92	4.99	2.52	0.65	2.36	3.46			
June - - - -	7.78	4.62	6.28	5.25	4.69	.65	3.82	1.72			
July - - - -	2.00	9.56	7.03	.79	3.65	3.39	4.26	4.39			
August - - -	6.47	10.96	4.74	4.63	5.21	0.12	7.97	5.91			
September -	3.01	9.52	3.13	11.42	9.39	2.78	13.93	6.45			
October - -	15.46	5.76	18.43	9.21	3.95	7.74	4.95	9.74			
November -	3.27	17.88	2.91	11.44	7.47	7.14	13.78	1.62			
December -	5.06	7.20	13.06	6.82	11.57	7.29	14.01	7.96			
TOTALS -	79.97	90.03	88.26	81.69	74.09	65.80	99.81	76.56			

Partially sheltered by trees.

Daily

1860 - Agrees with ppt by S. Marshall

RAINFALL AT *Ambleside Lestketh Howe*

Lat.....

Lon..... County of... *Westmorland*Rain Gauge, by..... Observer *Frank W. J. Jones Esq*

Diameter	5											
Height	1.6				2.6							
Altitude	175											
YEAR	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.	
January.....	7.46	6.35	19.69	18.07	12.85	17.50	6.31	15.98	9.81	2.90	11.692	
February	6.31	9.94	9.17	15.54	6.13	2.75	9.14	7.58	6.02	5.71	6.429	
March	5.20	5.47	7.14	4.66	7.51	3.22	8.35	3.76	4.48	6.32	5.611	
April	2.60	4.36	3.22	.77	3.93	2.25	3.95	2.33	3.16	3.09	2.966	
May	6.22	2.25	4.12	3.67	1.29	3.88	.83	5.38	6.04	2.17	3.580	
June	3.36	1.86	8.22	4.74	2.81	6.04	4.73	5.24	4.60	7.23	4.883	
July	2.91	6.49	4.89	10.16	4.30	3.76	3.05	7.80	1.22	7.30	5.185	
August.....	2.41	7.20	6.31	9.40	13.51	5.14	6.27	8.57	6.96	8.50	7.427	
September.....	7.29	3.90	14.26	7.53	9.28	9.23	6.40	4.76	9.29	8.45	8.019	
October.....	13.79	10.74	12.53	12.46	20.14	7.69	5.96	14.68	8.40	3.68	11.007	
November.....	5.64	3.57	13.09	5.34	8.05	8.77	5.19	17.24	3.52	1.96	7.237	
December.....	3.31	10.83	11.05	6.86	5.94	7.55	11.83	10.32	2.83	7.78	7.832	
TOTALS	66.50	72.98	113.69	85.00	95.74	77.73	72.01	103.64	66.33	65.09	81.271	

1874 "The gauge overflowing on the 6th Oct^r but I do not think much was lost"

Ambleside $\frac{1}{4}$ mile S.W.

RAINFALL AT *Ambleside, Letchworth*

80

Lat. _____

Lon. _____

County of *Hertfordshire*

Rain Gauge, by _____

Observer *J. M. T. Jones, Esq.*

Leven - 2

Diameter	<i>5</i>										
Height	<i>2.6</i>										
Altitude	<i>150 T</i>										
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January	<i>3.00</i>	<i>.92</i>	<i>7.41</i>	<i>4.66</i>	<i>13.40</i>	<i>6.62</i>	<i>11.41</i>	<i>8.34</i>	<i>5.12</i>	<i>6.24</i>	<i>7.712</i>
February	<i>6.50</i>	<i>9.53</i>	<i>9.19</i>	<i>8.53</i>	<i>8.26</i>	<i>15.25</i>	<i>2.08</i>	<i>5.22</i>	<i>1.28</i>	<i>5.69</i>	<i>7.353</i>
March	<i>3.46</i>	<i>6.78</i>	<i>7.80</i>	<i>3.26</i>	<i>7.99</i>	<i>6.45</i>	<i>8.49</i>	<i>2.75</i>	<i>4.54</i>	<i>5.32</i>	<i>5.884</i>
April	<i>3.97</i>	<i>2.25</i>	<i>6.07</i>	<i>3.26</i>	<i>2.11</i>	<i>4.94</i>	<i>4.65</i>	<i>2.74</i>	<i>4.22</i>	<i>3.61</i>	<i>3.782</i>
May	<i>2.80</i>	<i>5.28</i>	<i>3.61</i>	<i>2.97</i>	<i>8.44</i>	<i>11.02</i>	<i>6.53</i>	<i>3.19</i>	<i>5.01</i>	<i>4.86</i>	<i>4.671</i>
June	<i>7.11</i>	<i>7.28</i>	<i>6.27</i>	<i>4.55</i>	<i>.79</i>	<i>2.92</i>	<i>3.79</i>	<i>.45</i>	<i>2.57</i>	<i>.90</i>	<i>3.863</i>
July	<i>6.00</i>	<i>6.99</i>	<i>11.35</i>	<i>4.57</i>	<i>8.01</i>	<i>4.86</i>	<i>7.70</i>	<i>3.76</i>	<i>8.78</i>	<i>4.95</i>	<i>6.897</i>
August	<i>1.87</i>	<i>7.19</i>	<i>5.68</i>	<i>9.42</i>	<i>1.58</i>	<i>4.02</i>	<i>3.52</i>	<i>2.75</i>	<i>5.76</i>	<i>6.94</i>	<i>4.873</i>
September	<i>6.94</i>	<i>5.17</i>	<i>4.63</i>	<i>7.84</i>	<i>8.37</i>	<i>11.08</i>	<i>13.45</i>	<i>6.99</i>	<i>2.46</i>	<i>3.91</i>	<i>7.084</i>
October	<i>3.31</i>	<i>4.53</i>	<i>6.11</i>	<i>8.74</i>	<i>5.34</i>	<i>9.23</i>	<i>9.24</i>	<i>4.60</i>	<i>12.01</i>	<i>9.40</i>	<i>7.251</i>
November	<i>14.90</i>	<i>15.60</i>	<i>10.62</i>	<i>12.07</i>	<i>4.78</i>	<i>5.88</i>	<i>9.43</i>	<i>4.50</i>	<i>15.88</i>	<i>4.76</i>	<i>9.874</i>
December	<i>9.60</i>	<i>9.25</i>	<i>7.45</i>	<i>7.64</i>	<i>13.54</i>	<i>6.10</i>	<i>10.98</i>	<i>7.03</i>	<i>11.37</i>	<i>9.40</i>	<i>9.236</i>
TOTALS	<i>73.46</i>	<i>82.77</i>	<i>88.41</i>	<i>87.51</i>	<i>82.61</i>	<i>81.37</i>	<i>91.27</i>	<i>52.42</i>	<i>79.00</i>	<i>65.98</i>	<i>78.480</i>

1880. Ambleside

1/4 mile

SW.

RAINFALL AT *Ambleside Leeketh Howe*

Lat. _____

Lon. _____

County of *Westmoreland*

Rain Gauge, by _____

Observer *Em J Jones Esq*

Leven - 2

Miss Sharp

Diameter	5										
Height	2 6										
Altitude	175 T										
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	13.95	7.67	8.30	3.63	12.18	4.06	6.06	1.76	9.19	12.85	7.965
February	1.06	1.47	3.36	11.66	16.45	1.16	6.21	8.39	8.45	6.52	6.443
March	6.27	3.81	2.33	3.58	5.65	8.02	11.26	12.43	2.50	6.01	6.186
April	2.39	4.48	2.00	.79	2.73	4.58	3.09	3.68	6.92	8.46	3.912
May	3.57	2.94	7.15	3.33	5.71	1.04	.73	3.43	3.52	5.87	3.729
June	6.06	2.36	4.53	2.87	3.65	2.23	4.19	5.60	4.75	1.69	3.793
July	6.39	3.52	4.74	4.93	5.71	7.54	7.06	3.42	1.77	4.77	4.985
August	6.20	16.04	10.45	7.56	6.14	8.51	4.23	8.69	12.68	2.43	8.293
September....	6.43	11.20	14.09	6.63	.38	2.76	11.58	6.79	4.27	8.55	7.268
October	6.02	10.50	8.61	10.99	8.05	6.60	9.98	5.61	8.48	8.08	8.292
November....	15.98	8.49	7.40	4.60	12.72	8.08	2.69	11.07	10.06	9.17	9.026
December ....	.84	15.81	5.01	11.53	11.72	8.37	11.54	16.78	17.05	5.12	10.377
TOTALS	75.16	88.29	77.97	72.10	91.09	62.95	78.62	87.65	89.64	79.52	80.299

1890—

RAINFALL AT *Ambleside Leekett Howe*

Lat.

Lon.

County of *Westmoreland*

Rain Gauge, by

Observer *Mrs Margaret Benson*

Even - 2.

Diameter ..	5										
Height	2.6										
Altitude ..	175 ^T										
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..	10.78	6.25	5.71	11.98		5.03	11.98	3.96		9.22	
February ..	8.63	2.52	3.45	12.77		5.13	12.77	5.95		5.50	
March ....	.73	6.09	5.43	13.08		6.39	13.08	7.81		5.42	
April	6.11	4.42	3.57	2.91		6.81	2.91	4.03		5.15	
May	4.22	1.83	3.86	5.41		3.40	5.41	7.09		3.88	
June	6.40	3.68	1.60	2.80		4.00	2.80	10.51		3.53	
July	2.58	1.81	3.58	6.31		2.99	6.31	3.31		8.51	
August	8.94	7.38	5.38	10.59		6.34	10.59	7.65		4.29	
September ..	5.44	5.50	3.44	8.03		5.13	8.03	1.58		4.67	
October	10.26	7.48	6.50	17.22		5.24	16.62	9.46		14.10	
November ..	7.38	11.19	5.60	5.65		9.86	5.55	7.53		4.41	
December ..	17.81	10.14	10.23	6.89		6.61	6.89	12.80		14.58	
TOTALS ..	89.28	68.29	58.35	103.64		66.93	102.94	81.68	N.R.	83.26	

big

RAINFALL at Ambleade Leeketh HowCounty of WestmorlandObserver Mr Benson Miss C MarshallRiver Basin Leven 2

Rain Gauge, by _____

Diameter ...	5										
Height	2.6										
Altitude ...	175 τ										
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...	12.88	6.37	8.07	10.84	8.03	8.39	14.71	4.44	10.39	10.67	
February ...	12.23	12.37	6.43	7.28	12.21	13.63	8.89	2.02	12.48	1.87	
March	5.05	3.83	10.78	10.92	7.92	8.15	2.80	5.08	3.28	8.17	
April	5.55	5.74	2.51	8.81	2.52	4.94	4.98	3.25	1.84	4.26	
May	3.75	3.79	2.71	4.53	3.21	2.06	5.02	4.13	2.64	2.09	
June	3.38	6.50	8.64	6.40	1.84	1.51	4.53	4.21	2.89	3.15	
July	5.84	1.46	6.34	1.12	4.97	7.09	3.76	2.36	7.32	1.65	
August	10.57	6.64	8.20	2.80	7.45	4.40	3.79	11.74	6.07	5.34	
September ..	.92	6.63	3.24	2.98	3.98	1.58	3.70	8.33	15.73	8.29	
October	4.84	7.77	10.77	5.35	3.05	2.49	15.68	13.15	12.13	2.91	
November ..	7.20	13.66	8.47	9.97	14.58	4.50	12.60	9.69	5.82	6.14	
December ...	9.77	14.36	16.21	7.55	13.21	13.79	8.17	4.81	14.49	13.34	
TOTALS ...	81.98	89.12	92.37	78.57	83.07	67.53	88.63	73.21	94.78	68.58	

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

RAINFALL at Ambleside Leeketh HowCounty of WestmorlandObserver Miss Benson
St. Hekery forRiver Basin Severn 2† C. L. Gordon Rain Gauge, by Benella
† 16" above ground
† 16" above ground† Camden glass means by bench
broken down to .35

Test	Standard
.005	.005
.01	.01
.02	.02
.03	.03

Diameter ...	5"											
Height	2.6					1.6						
Altitude ...	175											
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	MEANS.	
January ...	13.23	17.20	9.20	7.39								
February ...	9.89	.31	8.37	12.66								
March	10.36	12.90	5.47	3.24								
April	6.92	1.96	3.46	6.00								
May	8.87	5.07	4.47	5.14								
June	4.08	.45	4.16	2.70								
July	9.08	4.83	8.83	5.98								
August	5.05	10.23	7.22	15.62								
September...	4.65	2.54	5.90	9.74								
October	3.48	4.45	2.64	15.94								
November...	6.72	4.59	4.53	13.20								
December...	8.64	14.94	11.69	9.64								
TOTALS...	90.97	79.47	75.94	107.25								

† Inspected R. Borden 5.10.25. Gauge in vegetable garden to E of house, pond
 sloping nearly to W. & slightly to S., also note being on a little ridge.
 true 60° E at elevation of 50°
 true S " " 30°
 true 18° W " " 35°

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 from gauge	Parish Church.	Distance from gauge	Direction from gauge

RAINFALL at Ambleside (Leeketh Howe)County of WestmorlandObserver Miss BensonRiver Basin Leven / 2

(Per Miss Cordelia Marshall)

Type of Gauge.....

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

action on file 662673/26

Diameter						5						
Height												
Altitude						175						
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means	
January			989	11.96	3.49	9.85	10.47	13.92				
February			835	7.0	13.90	3.84	11.31	4.77				
March			660	5.99	2.54	4.11	3.50	5.35				
April			304	5.27	5.51	1.71	4.02	.95				
May			346	5.79	.77	1.14	2.27	7.00				
June			267	3.31	7.08	6.74	3.35	9.14				
July			593	1.91	3.44	7.05	4.20	10.77				
August			513	7.99	4.54	4.64	4.36	4.67				
September			138	11.49	13.54	9.18	5.66	4.79				
October			588	11.81	13.31	7.68	3.78	19.09				
November			308	2.20	7.62	8.11	2.79	14.89				
December			173	13.03	4.67	13.08	5.56	7.31				
TOTALS			5714	81.45	80.41	77.16	61.27	102.65	N.R.	N.R.		

1939.N.R.

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