

RAINFALL AT NadderleyShropshireObserver... Edmund A. Leach...

Rain { By.....

Gauge { Diameter.....5.....in.Height above Ground.....ft.....9.....in.Above Mean Sea Level.....245.....ft.Money - 1.

YEAR.....										1869	MEANS.
January.....										2.96	
February										2.10	
March										1.50	
April.....										1.59	
May										4.68	
June.....										1.19	
July85	
August										2.19	
September.....										5.04	
October										2.26	
November.....										2.82	
December.....										2.90	
TOTALS										(25.00) 30.08	

1868 very rough estimate 9/12

1869 May 26th 1.63 fall between 2.30 p.m. & 8 p.m. on the 25th
 Canal bank burst meadows inundated w. Market Drayton

Rainfall at Belmont

Salop.

Miss Lovett

Diameter of Gauge, 5 in. Height above Ground, 1 ft. 12 in. Above Mean Sea Level, ft.

Dec - 2.

YEAR - -							1864				MEANS.
January - -							5.01				
February - -							3.60				
March - - -							1.71				
April - - -											
May - - - -											
June - - - -											
July - - - -											
August - - -											
September -											
October - - -											
November -											
December -											
TOTALS -											

C

h² Chirk.

Rainfall at *Whitchurch**Shropshire.*Rev. *J. E. Yeadon*Diameter of Gauge, ...*5*..... in.Height above Ground, ft. *10*. in.

Above Mean Sea Level, ft.

See - 2.

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -					<i>#</i> <i>.98</i>	<i>2.60</i>	<i>2.02</i>				
February - -					<i>1.43</i>	<i>1.17</i>	<i>2.23</i>				
March - - -					<i>2.34</i>	<i>1.40</i>	<i>1.75</i>				
April - - -					<i>1.53</i>	<i>1.45</i>	<i>.82</i>				
May - - - -					<i>2.46</i>	<i>2.30</i>	<i>.98</i>				
June - - - -					<i>2.35</i>	<i>.75</i>	<i>3.11</i>				
July - - - -					<i>1.07</i>	<i>1.56</i>	<i>2.46</i>				
August - - -					<i>1.61</i>	<i>5.43</i>	<i>3.03</i>				
September -					<i>2.59</i>	<i>.26</i>	<i>5.31</i>				
October - -					<i>2.19</i>	<i>4.07</i>	<i>3.60</i>				
November -					<i>1.78</i>	<i>2.00</i>	<i>2.72</i>				
December -					<i>1.70</i>	<i>2.17</i>	<i>2.01</i>				
TOTALS -					<i>22.03</i>	<i>25.24</i>	<i>30.04</i>				

✓ C C C

1864 very dry, but few storms, Farmers have suffered much from want of water

1865 Gauge in middle of a large garden on an open piece of ground

RAINFALL AT Whitchurch

A Brooke George

Salop

Rain { By
Gauge { Diameter.....5.....in.

Height above Ground, 3 ft. in.

Above Mean Sea Level, ft.

See - 2.

YEAR								1867	1868	1869	MEANS.
January									1.80	3.33	
February									1.81	1.83	
March									1.99	1.66	
April									1.60	1.43	
May									1.97	4.89	
June								1.95	.54	.95	
July								2.31	.29	1.30	
August								1.49	2.86	2.99	
September ...								1.93	3.90	5.76	
October								4.43	2.98	2.35	
November ...								1.07	1.89	3.14	
December								2.40	6.97	3.24	
TOTALS									28.60	32.87	

C C C

Burford Salop

Jenbury

Lord Northwick

11 65

100° 68

10 in

200 63

5 + ground 1 ft

+ Sea Level 180 ft

Seven-3.

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -	2.79	1.68	1.98	2.00	1.11	.80	2.82	2.86	2.47	4.38	2.297
February - -	.53	3.03	1.63	.76	1.54	2.99	2.49	2.48	1.90	2.96	2.031
March - - -	2.26	3.16	3.70	.82	1.44	.51	1.09	3.92	1.26	1.42	1.958
April - - - -	.90	.88	2.53	1.62	1.35	1.12	1.76	2.52	1.27	1.34	1.529 -
May - - - - -	1.89	.83	4.42	1.10	1.59	2.90	.51	1.68	2.87	4.61	2.240
June - - - - -	5.57	2.85	2.22	4.54	1.53	.62	4.85	1.27	.36	.92	2.473
July - - - - -	2.35	4.63	2.09	.84	.64	3.23	1.18	2.34	1.20	.00	1.850
August - - - -	4.97	.98	2.00	1.16	.29	3.99	1.35	1.35	3.35	1.82	2.126
September - -	2.48	2.50	3.94	3.78	2.88	.20	7.16	1.17	2.15	2.94	2.920 +
October - - -	1.51	1.81	3.95	4.01	2.64	3.06	2.11	2.62	2.64	4.61	2.896
November - -	1.61	2.31	1.06	2.67	2.25	3.15	1.07	.93	1.17	1.85	1.807
December - -	4.69	2.06	1.58	1.10	2.04	1.80	1.29	1.74	5.94	3.93	2.617
TOTALS -	31.55	26.72	31.10	24.40	19.30	24.45	27.68	24.88	26.38	30.78	26.744

+ + + + + + + + + + +

RAINFALL AT Sudlow

42 Mill Street

Salop.

Walter Marston

Rain { By

Gauge { Diameter.....5.....in.

Height above Ground, 1... ft. 1... in.

Above Mean Sea Level, 350. ft.

Severn-3.

| YEAR..... | | | | | | 1865 | 1866 | 1867 | 1868 | 1869 | MEANS. |
|----------------|--|--|--|--|--|-------|-------|-------|-------|-------|--------|
| January | | | | | | | 3.66 | 4.47 | 3.10 | 4.90 | |
| February | | | | | | | 2.65 | 2.53 | 1.82 | 2.68 | |
| March | | | | | | | 2.10 | 3.18 | 1.88 | 1.78 | |
| April | | | | | | | 1.47 | 3.53 | 1.53 | 1.39 | |
| May | | | | | | | 1.99 | 2.48 | 2.25 | 4.66 | |
| June | | | | | | | 2.96 | .90 | .55 | 1.05 | |
| July | | | | | | | 1.96 | 2.75 | 2.49 | .68 | |
| August | | | | | | | 3.75 | 1.31 | 5.02 | 1.05 | |
| September ... | | | | | | | 5.75 | 1.77 | 3.01 | 6.41 | |
| October | | | | | | #4 78 | 2.82 | 3.66 | 2.49 | 1.69 | |
| November | | | | | | 2.22 | 1.63 | 1.22 | 1.51 | 2.50 | |
| December | | | | | | 1.62 | 1.77 | 1.27 | 7.72 | 4.09 | |
| TOTALS | | | | | | | 32.51 | 29.07 | 33.37 | 32.88 | |

1866 31st May 1.45 & on 1st June .85 Aug. 27th 1.70 & on 29th Sept. 1.04 when the river slightly overflowed its banks

1869 The rainfall of Sep. the 30th was the heaviest in the four years being 1.74 on the 25th of May 1.08 fell rather a striking coincidence with remarks for 1866 the totals also are very near being 32.51 & 32.88

Knowbury Glee Hills Sudlow

Salop.

Rev. J. Burleigh James

11 in in 69
4 63 45

5 in

+ ground 6 in 62 68 + Sea Level 1000 feet

Severn - 3.

| YEAR - - | 1860 | 1861 | 1862 | 1863 | 1864 | 1865 | 1866 | 1867 | 1868 | 1869 | MEANS. |
|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---------|
| January - - | 3.94 | 1.25 | 2.20 | 2.25 | 1.58 | 1.04 | 1.85 | 2.75 | 2.46 | 3.29 | 2.261 |
| February - - | 1.82 | 2.55 | 1.14 | .34 | .65 | 2.05 | 2.79 | 2.28 | 1.56 | 2.58 | 1.776 |
| March - - - | 1.46 | 2.69 | 4.25 | 1.34 | 2.30 | .44 | 2.01 | 2.72 | 1.55 | 1.10 | 1.986 |
| April - - - | 2.00 | .85 | 2.60 | 1.80 | 1.33 | 1.45 | 1.84 | 2.95 | 1.38 | 1.66 | 1.786 |
| May - - - - | 2.31 | 1.46 | 4.48 | 1.18 | 2.17 | 3.24 | 4.05 | 2.83 | 2.62 | 5.19 | 2.953 |
| June - - - - | 7.04 | 3.51 | 2.08 | 2.89 | 1.73 | 2.33 | 3.39 | 1.30 | .45 | .98 | 2.570 |
| July - - - - | 1.97 | 5.68 | 2.69 | 1.18 | .66 | 2.41 | 1.45 | 2.37 | 1.37 | .65 | 2.043 |
| August - - - | 5.86 | 1.31 | 2.29 | .74 | .48 | 4.76 | 3.18 | 1.25 | 6.12 | 1.18 | 2.717 |
| September - | 2.82 | 2.70 | 3.09 | 4.72 | 3.13 | .52 | 5.66 | 1.67 | 2.39 | 6.35 | 3.305 + |
| October - - | 1.63 | 1.59 | 2.86 | 3.74 | 1.53 | 4.15 | 2.52 | 2.58 | 2.68 | 1.90 | 2.518 |
| November - | 1.57 | 2.48 | 1.15 | 2.91 | 2.27 | 2.86 | 1.44 | 1.21 | 1.77 | 1.80 | 1.946 |
| December - | 5.45 | 1.85 | 1.72 | 1.02 | 1.49 | 1.56 | 1.47 | 1.98 | 6.81 | 3.34 | 2.669 |
| TOTALS - | 37.87 | 27.92 | 30.55 | 24.11 | 19.32 | 26.81 | 31.65 | 25.89 | 31.16 | 30.02 | 28.530 |

+ 9 5 9 0 5 0 0 0 0 0

RAINFALL AT *Mawley Gardens*

60

Salsp.

Mr. W Hunter

Rain { By
Gauge {
Diameter.....in.

Height above Ground, ..*1*.. ft. in.

Above Mean Sea Level, ..*7.00*.. ft.

Seven - 3.

| YEAR..... | <i>1860</i> | <i>1861</i> | | | | | | | | | MEANS.. |
|----------------|-------------|--------------|--|--|--|--|--|--|--|--|---------|
| January | | <i>.54</i> | | | | | | | | | |
| February | | <i>2.63</i> | | | | | | | | | |
| March | | <i>3.20</i> | | | | | | | | | |
| April | | <i>.87</i> | | | | | | | | | |
| May | | <i>1.12</i> | | | | | | | | | |
| June..... | | <i>2.94</i> | | | | | | | | | |
| July | | <i>5.83</i> | | | | | | | | | |
| August..... | | <i>1.09</i> | | | | | | | | | |
| September ... | | <i>2.78</i> | | | | | | | | | |
| October..... | | <i>1.44</i> | | | | | | | | | |
| November..... | | <i>2.26</i> | | | | | | | | | |
| December..... | | <i>1.58</i> | | | | | | | | | |
| TOTALS | | <i>26.28</i> | | | | | | | | | |

*# stopped when Hunter left
gauge & lapidator*

1 mi SE Clebury mountain.

Rainfall at Clebury Mortimer

(Mawleytown Farm)

Jas. Bourn.

Salop.

Diameter of Gauge, in.

Height above Ground, ft. 10 in.Above Mean Sea Level, 605 ft.

Series - 3.

| YEAR - - | 1860 | 1861 | 1862 | 1863 | 1864 | 1865 | 1866 | 1867 | 1868 | 1869 | MEANS. |
|--------------|------|------|-----------|-------|-------|------|------|------|------|------|--------|
| January - - | | | #
2.90 | 2.47 | .98 | 1.90 | | | | | |
| February - - | | | .39 | .54 | 1.54 | 1.78 | | | | | |
| March - - - | | | 3.81 | .91 | 2.21 | .88 | | | | | |
| April - - - | | | 2.35 | 1.09 | 1.38 | | | | | | |
| May - - - - | | | 3.76 | .71 | 2.46 | | | | | | |
| June - - - - | | | 2.13 | 4.55 | 1.89 | | | | | | |
| July - - - - | | | 2.42 | .88 | .71 | | | | | | |
| August - - - | | | 2.04 | 2.12 | .74 | | | | | | |
| September - | | | 3.21 | 3.79 | 2.38 | | | | | | |
| October - - | | | 3.20 | 3.24 | 1.95 | | | | | | |
| November - | | | .93 | 2.02 | 2.49 | | | | | | |
| December - | | | 1.69 | 1.18 | 1.79 | | | | | | |
| TOTALS - | | | 28.83 | 23.50 | 20.52 | | | | | | |

C C C C

RAINFALL AT Stokesay Rectory

Salop

Observer... J. D. La Touche Rev^d

Rain { By.....

Gauge {
Diameter.....in.

Height above Ground,.....ft.....in.

Above Mean Sea Level.....ft.

Seven - 3.

| YEAR..... | | | | | | | | | | | MEANS. |
|----------------|--|--|--|--|--|--|--|--|--|---|--------|
| January..... | | | | | | | | | | | |
| February | | | | | | | | | | | |
| March | | | | | | | | | | 4 | 1.86 |
| April..... | | | | | | | | | | | 1.31 |
| May | | | | | | | | | | | 5.15 |
| June..... | | | | | | | | | | | 1.04 |
| July | | | | | | | | | | | .66 |
| August..... | | | | | | | | | | | 1.10 |
| September..... | | | | | | | | | | | 5.30 |
| October..... | | | | | | | | | | | 1.88 |
| November..... | | | | | | | | | | | 2.17 |
| December..... | | | | | | | | | | | 3.96 |
| TOTALS | | | | | | | | | | | |

C

RAINFALL AT More Rectory

Slope

Observer... Arthur S. Mole Rev^d

Rain { By N. & Z

Gauge { Diameter... 5 in.

Height above Ground, 1 ft. 2 in.

Above Mean Sea Level. 600 ft.

Sworn - 3.

| YEAR..... | | | | | | | | | | 1869 | MEANS. |
|----------------|--|--|--|--|--|--|--|--|--|-------------------|--------|
| January..... | | | | | | | | | | | |
| February | | | | | | | | | | (7.00) | |
| March | | | | | | | | | | ⁴ 1.33 | |
| April..... | | | | | | | | | | 1.33 | |
| May | | | | | | | | | | 3.98 | |
| June..... | | | | | | | | | | .82 | |
| July | | | | | | | | | | .76 | |
| August..... | | | | | | | | | | 1.12 | |
| September..... | | | | | | | | | | 6.11 | |
| October | | | | | | | | | | 1.91 | |
| November..... | | | | | | | | | | 2.65 | |
| December..... | | | | | | | | | | 4.30 | |
| TOTALS | | | | | | | | | | (32.00)(31.31) | |

C

1868
1869 Jan - Dec } roughly est.

Gauge placed on the N of house but about 30 feet distant from it on a slightly elevated embankment.
June owing to absence from home only approximately correct

RAINFALL AT *Seardington W. Church Station*

Salp.

Observer.....*Rev. Wm. Elliot*.....

Rain { By.....

Gauge { Diameter.....*5*.....in.

Height above Ground,.....*1*.....ft.....in.

Above Mean Sea Level.....*700*.....ft.

Seven - 3.

| YEAR..... | | | | | | | | | | <i>1869</i> | MEANS. |
|----------------|--|--|--|--|--|--|--|--|--|-------------|--------|
| January..... | | | | | | | | | | | |
| February | | | | | | | | | | | |
| March | | | | | | | | | | | |
| April..... | | | | | | | | | | <i>1.35</i> | |
| May | | | | | | | | | | <i>5.87</i> | |
| June..... | | | | | | | | | | <i>.74</i> | |
| July | | | | | | | | | | <i>1.07</i> | |
| August..... | | | | | | | | | | <i>1.32</i> | |
| September..... | | | | | | | | | | <i>5.48</i> | |
| October | | | | | | | | | | <i>1.87</i> | |
| November..... | | | | | | | | | | <i>2.22</i> | |
| December..... | | | | | | | | | | <i>3.71</i> | |
| TOTALS | | | | | | | | | | | |

C

Rainfall at *Woolstaston Rectory**Leebokswood, Shrewsbury.**Salop.**Rev. & Donald Carr*Diameter of Gauge, *5*..... in.Height above Ground, *1*..... ft. in.Above Mean Sea Level, *79.0* ft.*Seven - 3.*

| YEAR - - | | | | | | <i>1865</i> | <i>1866</i> | <i>1867</i> | <i>1868</i> | <i>1869</i> | MEANS. |
|--------------|--|--|--|--|--|---------------|--------------|--------------|--------------|--------------|--------|
| January - - | | | | | | <i># 3.34</i> | <i>4.93</i> | <i>4.59</i> | <i>3.02</i> | <i>4.76</i> | |
| February - - | | | | | | <i>2.62</i> | <i>4.04</i> | <i>2.76</i> | <i>2.46</i> | <i>2.10</i> | |
| March - - - | | | | | | <i>1.23</i> | <i>2.40</i> | <i>2.95</i> | <i>2.56</i> | <i>1.84</i> | |
| April - - - | | | | | | <i>.96</i> | <i>1.12</i> | <i>4.44</i> | <i>2.45</i> | <i>1.53</i> | |
| May - - - - | | | | | | <i>4.38</i> | <i>1.79</i> | <i>3.18</i> | <i>1.69</i> | <i>5.40</i> | |
| June - - - - | | | | | | <i>2.49</i> | <i>4.11</i> | <i>1.39</i> | <i>.47</i> | <i>.01</i> | |
| July - - - - | | | | | | <i>1.91</i> | <i>1.83</i> | <i>3.18</i> | <i>.69</i> | <i>.96</i> | |
| August - - - | | | | | | <i>3.76</i> | <i>4.52</i> | <i>1.39</i> | <i>4.09</i> | <i>1.08</i> | |
| September - | | | | | | <i>.29</i> | <i>6.89</i> | <i>2.34</i> | <i>2.79</i> | <i>5.92</i> | |
| October - - | | | | | | <i>5.28</i> | <i>1.79</i> | <i>3.40</i> | <i>3.05</i> | <i>2.09</i> | |
| November - | | | | | | <i>3.49</i> | <i>2.49</i> | <i>1.31</i> | <i>1.65</i> | <i>2.56</i> | |
| December - | | | | | | <i>1.69</i> | <i>1.83</i> | <i>1.87</i> | <i>8.48</i> | <i>4.21</i> | |
| TOTALS - | | | | | | <i>31.44</i> | <i>37.74</i> | <i>32.80</i> | <i>33.40</i> | <i>33.26</i> | |

1865 - gauge is on lawn gently sloping, there is very little level ground here, preceding day for the future.

Rainfall at North Ferry Shrewsbury

Salop.

Miss. Lovell

Diameter of Gauge, 5 in.Height above Ground, 1 ft. in.Above Mean Sea Level, 200 ft.

Series - 3.

| YEAR - - | | | | | | | 1866 | 1867 | 1868 | | MEANS. |
|---------------|--|--|--|--|--|--|------|-------|-------|-------|--------|
| January - - | | | | | | | | 2.91 | 2.35 | 2.76 | |
| February - - | | | | | | | | 1.54 | 1.90 | 1.68 | |
| March - - - | | | | | | | | 2.48 | 1.57 | 1.43 | |
| April - - - | | | | | | | *.95 | 2.47 | 1.47 | 1.08 | |
| May - - - - | | | | | | | .55 | 2.32 | 1.62 | 5.24 | |
| June - - - - | | | | | | | 3.85 | 1.43 | .33 | .75 | |
| July - - - - | | | | | | | 1.46 | 1.74 | .73 | .84 | |
| August - - - | | | | | | | 3.50 | .76 | 2.36 | 1.67 | |
| September - | | | | | | | 5.53 | 2.80 | 1.96 | 5.42 | |
| October - - - | | | | | | | 1.33 | 2.83 | 1.89 | 1.93 | |
| November - | | | | | | | 2.58 | .99 | .83 | 2.19 | |
| December - | | | | | | | 1.52 | 1.83 | 6.04 | 2.96 | |
| TOTALS - | | | | | | | | 24.10 | 230.5 | 27.95 | |

1868 Sat 26th Dec at 6.30 P.M. a sudden storm of wind with T & L and very large hailstones, lasting about half an hour then quite calm 27th very stormy all day 28th about noon a shower of rain which froze as it fell coating the glass of the conservatories with Ice. T & L again on that night

Highfield
1 m East of Shrewsbury
Thos. Howells

Salop.

1901 62

Sea 5 in + ground 5 ft 6 in + sea level 200 ft 65
Seven - 3.

| YEAR - - | 1860 | 1861 | 1862 | 1863 | 1864 | 1865 | 1866 | 1867 | 1868 | 1869 | MEANS. |
|--------------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|--------|
| January - - | 2.30 | .71 | 1.95 | 2.88 | .57 | 1.81 | 2.40 | 2.33 | | | |
| February - - | .57 | 2.62 | .26 | .40 | 1.25 | 1.71 | 2.18 | 1.53 | | | |
| March - - - | 2.33 | 3.75 | 2.52 | .85 | 2.38 | 1.01 | 1.41 | 2.70 | | | |
| April - - - | 1.09 | 1.00 | 1.75 | 1.44 | 1.69 | 1.06 | .68 | 2.44 | | | |
| May - - - | 3.09 | .93 | 4.83 | 1.03 | 1.96 | 3.75 | 1.56 | 2.73 | | | |
| June - - - | 4.28 | 3.66 | 1.93 | 4.36 | 1.60 | 1.83 | 3.64 | 1.45 | | | |
| July - - - | 3.03 | 4.53 | 1.65 | 1.50 | .47 | 1.22 | 1.61 | 1.65 | | | |
| August - - - | 5.39 | 1.02 | 3.08 | 2.30 | 1.25 | 4.27 | 4.36 | .79 | | | |
| September - | 1.67 | 2.23 | 2.72 | 3.56 | 2.84 | .19 | 5.19 | 1.52 | | | |
| October - - | 3.06 | 1.21 | 3.15 | 3.59 | 2.42 | 3.88 | 1.61 | 2.93 | | | |
| November - | 2.06 | 2.25 | 1.35 | 2.29 | 1.74 | 2.22 | 2.25 | 1.04 | | | |
| December - | 3.51 | 1.48 | 1.32 | 1.24 | 1.23 | 1.28 | 1.31 | 1.89 | | | |
| TOTALS - | 32.47 | 25.39 | 26.51 | 25.44 | 19.40 | 24.23 | 28.20 | 23.00 | | | |

S S S C S C C C

Shrewsbury

Salop.

Marshall & Co

Diam 10 in
Severn - 3.+ ground ^{ft in} 4.4

+ Sea level 192 feet

| YEAR - - | 1860 | 1861 | 1862 | 1863 | 1864 | 1865 | 1866 | 1867 | 1868 | 1869 | MEANS. |
|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---------|
| January - - | 1.00 | .30 | 1.30 | 2.30 | .80 | 1.45 | 2.10 | 2.30 | 2.70 | 2.50 | 1.675 |
| February - - | 2.20 | 2.00 | .10 | .40 | .95 | .95 | 1.60 | 1.60 | 1.10 | 1.70 | 1.260 |
| March - - - | 2.80 | 2.90 | 1.60 | .70 | 1.93 | .53 | 1.20 | 1.60 | 1.00 | .80 | 1.506 |
| April - - - | .60 | .70 | 1.00 | .60 | 1.23 | .83 | .55 | 2.20 | .80 | .80 | .931 - |
| May - - - - | 1.00 | .60 | 2.00 | .40 | 1.15 | 2.60 | .80 | 1.70 | 1.10 | 5.00 | 1.635 |
| June - - - - | 1.10 | 2.80 | 1.20 | 2.40 | 1.17 | 1.70 | 3.80 | 1.10 | .40 | .45 | 2.212 |
| July - - - - | 1.15 | 2.70 | .70 | .50 | .30 | .55 | 1.25 | 1.35 | .35 | .50 | .935 |
| August - - - | 3.15 | .70 | 2.60 | 2.90 | .62 | 4.10 | 3.25 | .90 | 1.80 | 1.30 | 2.132 |
| September - | 4.10 | 1.60 | 2.30 | 3.10 | 1.63 | .25 | 4.60 | 1.10 | 1.70 | 4.50 | 2.488 + |
| October - - | 1.40 | .80 | 2.50 | 2.60 | 1.80 | 2.95 | 1.50 | 2.00 | 1.80 | 1.80 | 1.915 |
| November - | 1.50 | 1.00 | .60 | .50 | .95 | 2.20 | 2.30 | .40 | .60 | 1.50 | 1.155 |
| December - | .80 | .50 | 1.20 | .30 | 1.10 | 1.05 | 1.40 | 1.20 | 5.20 | 3.80 | 1.655 |
| TOTALS - | 20.80 | 16.60 | 17.10 | 22.70 | 13.63 | 19.16 | 24.35 | 17.45 | 18.55 | 24.65 | 19.499 |

63 gnd for 0

63. Mean June 10 = 2.00 in

RAINFALL AT BridgnorthQuatt Industrial SchoolSalop.Observer Lewis RoachRain { By CassellGauge { Diameter 5 in.Height above Ground, 4 ft. 2 in.Above Mean Sea Level 189 ft.Severn - 4.

| YEAR..... | | | | | | | | | 1868 | 1869 | MEANS. |
|----------------|--|--|--|--|--|--|--|--|----------------------|-------|--------|
| January..... | | | | | | | | | ⁸
2.19 | 3.22 | |
| February | | | | | | | | | 1.79 | 2.26 | |
| March | | | | | | | | | 1.36 | 1.36 | |
| April..... | | | | | | | | | 1.56 | .93 | |
| May | | | | | | | | | 2.98 | 5.19 | |
| June..... | | | | | | | | | .36 | .85 | |
| July | | | | | | | | | .57 | .28 | |
| August..... | | | | | | | | | 4.57 | 1.03 | |
| September..... | | | | | | | | | 2.23 | 3.75 | |
| October | | | | | | | | | 1.05 | 1.97 | |
| November..... | | | | | | | | | 1.22 | 2.07 | |
| December..... | | | | | | | | | 6.07 | 3.68 | |
| TOTALS | | | | | | | | | 26.75 | 26.59 | |

RAINFALL AT *Badger Rectory*

Salop.

*5 m SW of Shifnal 7 NE of Bridgnorth*Observer *Rev. J. F. Madeline*Rain { By *Barrell*Gauge { Diameter *5* in.Height above Ground, *3* ft. *3* in.Above Mean Sea Level *300* ft.*Seven - 4.*

| YEAR..... | 1860 | 1861 | 1862 | 1863 | 1864 | 1865 | 1866 | 1867 | 1868 | 1869 | MEANS. |
|----------------|------|------|-------------------|-------|-------|-------|-------|-------|-------|-------|--------|
| January..... | | | * 3.08 | 2.66 | .91 | 3.36 | 2.17 | 3.09 | 2.46 | 3.02 | |
| February | | | 32 | .31 | 1.45 | 1.21 | 1.90 | 1.66 | 1.55 | 1.75 | |
| March | | | 3.59 | 1.12 | 1.84 | 1.14 | 1.91 | 2.91 | 2.10 | 1.37 | |
| April | | | 2.31 | .77 | 1.57 | 1.77 | .76 | 2.20 | .80 | 1.43 | |
| May | | | 4.02 | 1.12 | 2.03 | 3.55 | 1.36 | 2.09 | 1.87 | 5.14 | |
| June | | | 3.03 | 3.82 | 1.15 | 2.10 | 3.55 | 1.15 | .53 | .93 | |
| July | | | 2.49 | 1.46 | .43 | 1.06 | 1.47 | 2.62 | .57 | .46 | |
| August | | | 2.31 | 3.03 | 1.08 | 3.87 | 3.88 | 1.24 | 3.88 | 1.52 | |
| September..... | | | 3.80 | 3.14 | 2.33 | .16 | 5.02 | 1.97 | 2.37 | 4.19 | |
| October | | | 3.18 | 3.28 | 1.52 | 3.77 | 2.04 | 2.92 | 2.21 | 1.97 | |
| November..... | | | .56 | 2.46 | 1.91 | 2.31 | 2.27 | .92 | .52 | 2.50 | |
| December | | | 1.92 | 1.01 | 1.93 | 1.09 | 1.24 | 1.67 | 6.42 | 3.61 | |
| TOTALS | | | 30.61 | 24.18 | 18.15 | 25.39 | 27.57 | 24.44 | 25.28 | 27.89 | |

In the middle of Kitchen garden will open to the S high table land but not on a hill there are no hills for 16 miles in the W

The average of the 10 years 53 to 62 was 24.20

Observations not reliable previous to 1862

Evelith

w. Shipnall

Salop.

M. E. Elwell

4 ft 8 in 65 66

430

basilla sit ground 4 ft

+ Sea Level 450 ft

Seven-4.

| YEAR - - | 1860 | 1861 | 1862 | 1863 | 1864 | 1865 | 1866 | 1867 | 1868 | 1869 | MEANS. |
|---------------|------|------|------|-------|-------|-------|-------|------|----------|------|--------|
| January - - | | | | 1.14 | .84 | 1.20 | 2.26 | # | 1.40 | | |
| February - - | | | | .56 | 1.58 | 1.11 | 1.67 | | 2.21 | | |
| March - - - | | | | 1.17 | 1.74 | 1.32 | 2.27 | | 1.69 | | |
| April - - - | | | | .94 | 1.43 | 2.06 | .76 | | 1.18 | | |
| May - - - - | | | | 1.80 | 2.40 | 2.37 | 1.49 | | 1.45 | | |
| June - - - - | | | | 3.60 | 2.20 | .25 | 3.53 | | { 6.00 } | | |
| July - - - - | | | | 2.22 | .52 | 1.04 | 1.31 | | | | |
| August - - - | | | | 3.00 | 1.19 | 2.47 | 4.96 | | 3.95 | | |
| September - | | | | 4.12 | 1.89 | .51 | 5.60 | | 2.64 | | |
| October - - - | | | | 3.62 | 1.36 | 3.33 | 2.33 | | 1.21 | | |
| November - | | | | .98 | 1.92 | 1.91 | 2.40 | | 1.51 | | |
| December - | | | | .70 | 1.65 | .60 | 1.46# | | 8.42# | | |
| TOTALS - | | | | 23.85 | 18.72 | 18.17 | 30.04 | | 28.14 | | |

c 5 8 0 0 0 0

1865 4 in open situation

1 1/2 w SE Shipnall.

Houghton Hall
w. Shipnall

C.L.

3 Salop.

Rev John Brooke

3 6 66 69

450 66

Diain 1 foot + ground 4.6 65
Seven ft.

Map No 46

+ Sea Level 400 61

| YEAR - - | 1860 | 1861 | 1862 | 1863 | 1864 | 1865 | 1866 | 1867 | 1868 | 1869 | MEANS. |
|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---------|
| January - - | 2.61 | .74 | 1.99 | 2.18 | .73 | 3.16 | 1.94 | 3.21 | 1.84 | 2.91 | 2.131 |
| February - - | .38 | 1.73 | .19 | .44 | 1.39 | 1.19 | 2.03 | 1.63 | 2.17 | 2.00 | 1.315 - |
| March - - - | 2.12 | 3.19 | 2.60 | 1.03 | 1.59 | 1.09 | 1.76 | 2.91 | 1.36 | 1.59 | 1.924 |
| April - - - | .78 | .83 | 2.08 | .72 | 1.40 | 1.10 | .74 | 2.21 | 1.51 | 1.78 | 1.315 - |
| May - - - - | 2.87 | .75 | 4.14 | 1.27 | 1.88 | 2.64 | 1.47 | 1.93 | 1.52 | 4.73 | 2.320 |
| June - - - - | 5.45 | 4.28 | 1.73 | 3.67 | 1.22 | 2.32 | 3.31 | 1.21 | .14 | .96 | 2.429 |
| July - - - - | 2.59 | 4.97 | 2.27 | 1.16 | .58 | 1.45 | 1.27 | 2.89 | .45 | .72 | 1.835 |
| August - - - | 5.78 | 1.10 | 2.85 | 2.29 | 1.36 | 3.88 | 4.50 | 2.20 | 3.18 | 1.41 | 2.855 + |
| September - | 1.74 | 2.49 | 2.75 | 3.05 | 1.50 | .18 | 5.40 | 1.22 | 2.62 | 4.76 | 2.571 |
| October - - | 1.59 | 1.02 | 2.94 | 2.84 | 1.80 | 3.27 | 2.37 | 3.05 | 1.50 | 1.59 | 2.197 |
| November - | 1.63 | 1.69 | .64 | 1.82 | 1.80 | 1.83 | 3.49 | 1.08 | 1.14 | 2.21 | 1.733 |
| December - | 3.69 | 1.01 | 1.52 | .74 | 1.98 | 1.14 | 1.65 | 1.89 | 5.52 | 3.31 | 2.245 |
| TOTALS - | 31.23 | 23.80 | 25.70 | 21.21 | 17.23 | 23.25 | 29.93 | 25.43 | 22.95 | 27.97 | 24.870 |

1865 4 on grass plot situation quite open & relatively high as to the surrounding country

Rainfall at Wellington Vicarage
Solop

H Banning

Diameter of Gauge, in.

Height above Ground, ... ft. in.

Above Mean Sea Level, 4.00 ft.

Sum - 4.

| YEAR - - | 1860 | 1861 | 1862 | 1863 | 1864 | 1865 | 1866 | 1867 | 1868 | 1869 | MEANS. |
|---------------|------|------|------|------|------|-------------------------|------|------|------|------|--------|
| January - - | | | | | | 4.20
7.80 | | | | | |
| February - - | | | | | | 1.65 | | | | | |
| March - - - | | | | | | 1.03 | | | | | |
| April - - - | | | | | | 1.26 | | | | | |
| May - - - - | | | | | | 3.18 | | | | | |
| June - - - - | | | | | | 2.29 | | | | | |
| July - - - - | | | | | | 1.10 | | | | | |
| August - - - | | | | | | 4.60 | | | | | |
| September - | | | | | | .10 | | | | | |
| October - - - | | | | | | 3.87 | | | | | |
| November - - | | | | | | 2.20 | | | | | |
| December - - | | | | | | 1.40 | | | | | |
| TOTALS - | | | | | | 24.57 | | | | | |

1864

RAINFALL AT *Newport Salop**New W Eye**Chatwell*
 Rain { By *Coasilla*
 Gauge { Diameter *5* in.
Height above Ground, *1* ft. in.Above Mean Sea Level, *345* ft.*Severn-4.*

| YEAR..... | | | | | | | 1866 | 1867 | 1868 | 1869 | MEANS. |
|----------------|--|--|--|--|--|--|--------|-------|------|------|--------|
| January | | | | | | | #
— | 3.05 | | | |
| February | | | | | | | 2.48 | 1.33 | | | |
| March | | | | | | | 2.04 | 2.62 | | | |
| April | | | | | | | .53 | 1.90 | | | |
| May | | | | | | | 1.40 | 1.45 | | | |
| June..... | | | | | | | 2.86 | 1.94 | | | |
| July | | | | | | | 1.71 | 2.05 | | | |
| August | | | | | | | 4.46 | 2.14 | | | |
| September ... | | | | | | | 4.63 | 1.75 | | | |
| October..... | | | | | | | 2.53 | 3.37 | | | |
| November..... | | | | | | | 2.24 | 1.13 | | | |
| December..... | | | | | | | 1.65 | 2.25 | | | |
| TOTALS | | | | | | | | 25.78 | | | |

c c

*Gauge placed 2 ft above the ground to catch the
 rain to a level with the top of the gauge
 which is the highest for water gauge, the gauge
 running on the side of the house in the garden.*

RAINFALL AT *Shrewsbury**N Middleton Esq**City Manor**Salop.*

Rain { By

Gauge { Diameter.....*5*.....in.Height above Ground, *2*.. ft. *6*... in.Above Mean Sea Level, *240*[?]... ft.*287 68**Seven-14.*

| YEAR..... | | | | | | | 1866 | 1867 | 1868 | 1869 | MEANS. |
|----------------|--|--|--|--|--|--|--------------|--------------|--------------|--------------|--------|
| January | | | | | | | <i>1.95</i> | <i>2.84</i> | <i>2.49</i> | <i>2.61</i> | |
| February | | | | | | | <i>2.16</i> | <i>1.66</i> | <i>1.49</i> | <i>2.03</i> | |
| March | | | | | | | <i>1.25</i> | <i>1.85</i> | <i>1.29</i> | <i>1.17</i> | |
| April | | | | | | | <i>1.01</i> | <i>2.86</i> | <i>1.50</i> | <i>.99</i> | |
| May | | | | | | | <i>.79</i> | <i>2.64</i> | <i>1.58</i> | <i>4.12</i> | |
| June..... | | | | | | | <i>4.28</i> | <i>1.65</i> | <i>.22</i> | <i>.86</i> | |
| July | | | | | | | <i>2.26</i> | <i>2.37</i> | <i>.44</i> | <i>1.04</i> | |
| August..... | | | | | | | <i>1.85</i> | <i>1.00</i> | <i>1.85</i> | <i>1.56</i> | |
| September ... | | | | | | | <i>2.09</i> | <i>2.18</i> | <i>.15</i> | <i>4.66</i> | |
| October..... | | | | | | | <i>3.31</i> | <i>2.85</i> | <i>1.95</i> | <i>1.96</i> | |
| November..... | | | | | | | <i>2.15</i> | <i>1.05</i> | <i>1.14</i> | <i>2.02</i> | |
| December..... | | | | | | | <i>1.48</i> | <i>1.75</i> | <i>4.32</i> | <i>3.10</i> | |
| TOTALS | | | | | | | <i>24.58</i> | <i>24.70</i> | <i>18.42</i> | <i>26.12</i> | |

Gauge placed 2.6 above the ground to clear it from shrubs & a low wall, it is situated in my ground which is the highest for miles round, the Severn running on one side & the Pooy on the other.

RAINFALL AT *Newport School*

W Mickison

Church Astor

G. in middle of Kitchen garden, clear of trees, walls & buildings.

Rain { By.....
Gauge { Diameter.....*5*.....in.

Height above Ground, *2*... ft. in.

Above Mean Sea Level, *2.60*... ft.

Sewer - 14.

| YEAR..... | | | | | | | 1866 | 1867 | 1868 | 1869 | MEANS. |
|----------------|--|--|--|--|--|--|--------------|--------------|------|------|--------|
| January | | | | | | | <i>1.88</i> | <i>2.94</i> | | | |
| February | | | | | | | <i>1.80</i> | <i>1.43</i> | | | |
| March | | | | | | | <i>1.71</i> | <i>2.67</i> | | | |
| April | | | | | | | <i>.55</i> | <i>2.24</i> | | | |
| May | | | | | | | <i>1.68</i> | <i>1.75</i> | | | |
| June..... | | | | | | | <i>2.92</i> | <i>1.77</i> | | | |
| July | | | | | | | <i>1.86</i> | <i>2.96</i> | | | |
| August..... | | | | | | | <i>4.48</i> | <i>1.53</i> | | | |
| September ... | | | | | | | <i>5.65</i> | <i>2.02</i> | | | |
| October..... | | | | | | | <i>1.96</i> | <i>3.68</i> | | | |
| November..... | | | | | | | <i>2.79</i> | <i>1.16</i> | | | |
| December..... | | | | | | | <i>1.63</i> | <i>2.31</i> | | | |
| TOTALS | | | | | | | <i>28.91</i> | <i>26.46</i> | | | |

C C

RAINFALL AT Newport SeapJohn Bodensham

Rain { By

Gauge { Diameter.....5.....in.Height above Ground, 1 ft. in.Above Mean Sea Level, 2.50 ft.Seven-14.

| YEAR..... | | | | | | | 1866 | 1867 | 1868 | 1869 | MEANS. |
|----------------|--|--|--|--|--|--|-------|-------|-------|-------|--------|
| January | | | | | | | #1.75 | 2.94 | 1.80 | 2.85 | |
| February | | | | | | | 1.76 | 1.29 | 2.15 | 2.42 | |
| March | | | | | | | 1.71 | 2.56 | 1.79 | 1.55 | |
| April | | | | | | | .58 | 2.43 | 2.33 | 1.77 | |
| May | | | | | | | 1.62 | 1.75 | 1.34 | 5.39 | |
| June..... | | | | | | | 3.02 | 1.81 | .17 | 1.35 | |
| July | | | | | | | 1.85 | 2.97 | .33 | .54 | |
| August..... | | | | | | | 4.98 | 1.55 | 3.68 | 1.92 | |
| September ... | | | | | | | 5.85 | 2.11 | 2.64 | 5.71 | |
| October..... | | | | | | | 1.98 | 3.62 | 2.81 | 2.35 | |
| November..... | | | | | | | 2.83 | 1.17 | .99 | 2.45 | |
| December..... | | | | | | | 1.70 | 2.31 | 5.96 | 2.99 | |
| TOTALS | | | | | | | 29.63 | 26.57 | 25.99 | 31.29 | |

1866 August 28th & 29th 3.43 (considerably more than 10 of the Annual fall) fell in 30 hours

RAINFALL AT *Lockshute Ellsmere**Shrewsbury Post Mark**Salsp.**M^r. W^h. King*Rain { By *Gasella*Gauge { Diameter.....*5*.....in.Height above Ground, ft. *9*..... in.

Above Mean Sea Level, ft.

Seven - 4.

| YEAR | 1860 | 1861 | 1862 | 1863 | 1864 | 1865 | 1866 | 1867 | 1868 | 1869 | MEANS. |
|----------------|------|------|------|------|--------------|--------------|--------------|-------------|----------|------|--------|
| January | | | | | <i># .04</i> | <i>1.60</i> | <i>3.22</i> | <i>3.34</i> | | | |
| February | | | | | <i>1.15</i> | <i>2.12</i> | <i>2.53</i> | <i>1.55</i> | | | |
| March | | | | | <i>2.52</i> | <i>1.06</i> | <i>1.40</i> | <i>2.21</i> | | | |
| April | | | | | <i>1.44</i> | <i>1.12</i> | <i>.77</i> | <i>2.95</i> | | | |
| May | | | | | <i>1.80</i> | <i>4.01</i> | <i>1.33</i> | <i>2.93</i> | | | |
| June | | | | | <i>2.14</i> | <i>1.82</i> | <i>3.48</i> | <i>1.81</i> | | | |
| July | | | | | <i>.81</i> | <i>1.70</i> | <i>1.48</i> | <i>2.33</i> | | | |
| August | | | | | <i>1.75</i> | <i>4.89</i> | <i>4.22</i> | <i>.93</i> | <i>#</i> | | |
| September ... | | | | | <i>1.97</i> | <i>.11</i> | <i>5.94</i> | | | | |
| October | | | | | <i>2.14</i> | <i>5.02</i> | <i>1.41</i> | | | | |
| November ... | | | | | <i>1.71</i> | <i>2.97</i> | <i>2.30</i> | | | | |
| December | | | | | <i>1.67</i> | <i>1.25</i> | <i>1.53</i> | | | | |
| TOTALS | | | | | <i>19.94</i> | <i>27.67</i> | <i>29.61</i> | | | | |

1865

Whittington
W^{ms}
H. S. Lloyd
W^{ms} Oswestry

Salop.

+ Ground 5 feet + Sea level

Seven - 14.

| YEAR - - | 1860 | 1861 | 1862 | 1863 | 1864 | | | | | | MEANS. |
|--------------|-------|-------|------|------|------|--|--|--|--|--|--------|
| January - - | 4.90 | 54 | | | | | | | | | |
| February - - | 1.02 | 3.04 | | | | | | | | | |
| March - - - | 2.73 | 3.30 | | | | | | | | | |
| April - - - | 1.45 | 1.40 | | | | | | | | | |
| May - - - - | 4.04 | .06 | | | | | | | | | |
| June - - - - | 6.51 | 2.18 | | | | | | | | | |
| July - - - - | 1.88 | 4.57 | | | | | | | | | |
| August - - - | 4.59 | 1.70 | | | | | | | | | |
| September - | 1.37 | 3.00 | | | | | | | | | |
| October - - | 2.05 | 2.01 | | | | | | | | | |
| November - | 2.43 | 2.98 | | | | | | | | | |
| December - | 4.13 | 1.73 | | | | | | | | | |
| TOTALS - | 37.90 | 27.25 | | | | | | | | | |

✓ c ✓ c

Wengoeed
Salop
Rev^d Albany N Lloyd

Die 5 + ground 4.8. ^{6 ft 6 3/4 5866 69} + Sea level 471 ft ⁶⁵
Severn - 4.

| YEAR - - | 1860 | 1861 | 1862 | 1863 | 1864 | 1865 | 1866 | 1867 | 1868 | 1869 | MEANS. | |
|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|---|
| January - - | 5.90 | .65 | 2.67 | 5.27 | 1.52 | 3.75 | 4.75 | 5.04 | 4.56 | 4.86 | 3.897 | + |
| February - - | 1.53 | 3.75 | .38 | .89 | 1.94 | 2.34 | 4.32 | 2.90 | 2.13 | 3.00 | 2.318 | |
| March - - - | 4.59 | 4.25 | 3.76 | 1.52 | 4.05 | 1.59 | 2.42 | 3.15 | 2.89 | 1.69 | 2.991 | |
| April - - - | 1.62 | 1.48 | 2.92 | 1.40 | 1.99 | 1.12 | 1.02 | 3.82 | 2.30 | 1.44 | 1.911 | - |
| May - - - - | 4.22 | .75 | 4.43 | 1.59 | 2.12 | 5.44 | 2.16 | 3.56 | 2.27 | 6.45 | 3.299 | |
| June - - - - | 7.68 | 2.61 | 2.86 | 2.89 | 2.26 | 2.26 | 4.08 | 1.46 | .38 | .94 | 2.742 | |
| July - - - - | 2.06 | 4.47 | 2.52 | 1.28 | .96 | 2.07 | 1.46 | 2.59 | .66 | 1.28 | 1.935 | |
| August - - - | 6.16 | 1.95 | 2.78 | 2.91 | 1.49 | 7.21 | 4.30 | 1.22 | 2.71 | 1.40 | 3.213 | |
| September - | 1.28 | 3.36 | 3.45 | 3.67 | 3.08 | .18 | 8.01 | 2.00 | 2.78 | 5.92 | 3.373 | |
| October - - | 3.28 | 1.96 | 4.40 | 4.90 | 3.05 | 5.86 | 1.98 | 4.69 | 3.22 | 2.63 | 3.597 | |
| November - | 2.60 | 3.49 | 1.43 | 2.15 | 3.18 | 4.09 | 3.31 | 1.46 | 2.52 | 3.22 | 2.745 | |
| December - | 4.59 | 2.18 | 3.08 | 1.85 | 1.65 | 2.43 | 2.72 | 1.89 | 10.69 | 5.18 | 3.626 | |
| TOTALS - | 45.51 | 30.90 | 34.68 | 30.32 | 27.29 | 38.34 | 40.53 | 33.78 | 37.11 | 38.01 | 35.647 | |

† 5 2 2 2 2 2 2 2 2 2

1865 on 24th Aug. more than 1 in fall between 586

1865 on 24th Aug. more than 1 in fall between 586 ^{PM}

RAINFALL AT *Noton in Hales*

Fred. Silver

Market Drayton

Salop.

Rain { By
Gauge { Diameter.....*8*.....in.

Height above Ground, ft. *6*... in.

Above Mean Sea Level, *325* ft.

Seven - 4.

| YEAR..... | | | | | | | 1866 | 1867 | 1868 | 1869 | MEANS. |
|----------------|--|--|--|--|--|--|---------------|-------|-------|-------|--------|
| January | | | | | | | <i>#</i> 2.48 | 3.01 | 1.52 | 2.45 | |
| February | | | | | | | 1.72 | .90 | 1.59 | 2.48 | |
| March | | | | | | | 1.44 | 1.57 | 1.79 | 1.03 | |
| April | | | | | | | .82 | 1.57 | 1.03 | 1.65 | |
| May | | | | | | | 1.46 | 1.47 | 1.20 | 4.98 | |
| June..... | | | | | | | 3.95 | 1.81 | .42 | .80 | |
| July | | | | | | | 2.16 | 3.29 | .20 | .61 | |
| August..... | | | | | | | 5.98 | .98 | 2.42 | 1.64 | |
| September ... | | | | | | | 6.47 | 2.33 | 1.80 | 4.92 | |
| October..... | | | | | | | 1.86 | 3.40 | 2.47 | 1.89 | |
| November..... | | | | | | | 1.41 | 1.66 | 1.54 | 1.94 | |
| December..... | | | | | | | 1.49 | 2.40 | 4.38 | 2.96 | |
| TOTALS | | | | | | | 31.24 | 24.39 | 20.36 | 27.35 | |

c e e e

Knyppersley Reservoir
5 m S of Congleton
Jas^r Forbes Esq.

Stafford

Di⁵ + Ground 3 ft 14 ft 1866. ⁶⁹68 + Sea Level 500 ft
weaver - 1.

| YEAR - - | 1860 | 1861 | 1862 | 1863 | 1864 | 1865 | 1866 | 1867 | 1868 | 1869 | MEANS. |
|--------------|------|------|------|-------------------|-------|-------|-------|-------|-------|-------|--------|
| January - - | | | | [#] 3.09 | 1.21 | 1.41 | 2.49 | 2.57 | 1.53 | 2.10 | |
| February - - | | | | .49 | 1.92 | 1.62 | 2.22 | 1.51 | 2.39 | 2.71 | |
| March - - - | | | | 1.20 | 2.51 | 1.67 | 1.88 | 1.07 | 2.77 | 2.30 | |
| April - - - | | | | 1.16 | 1.06 | 1.06 | .72 | 4.12 | 1.78 | 2.23 | |
| May - - - - | | | | 1.63 | 2.69 | 2.74 | .86 | .99 | 1.06 | 3.62 | |
| June - - - - | | | | 3.93 | 1.91 | .00 | 3.39 | 2.07 | .27 | 1.46 | |
| July - - - - | | | | 2.42 | 1.15 | 2.42 | 2.92 | 2.99 | 0.00 | .83 | |
| August - - - | | | | 3.58 | 1.51 | 5.02 | 3.97 | 1.57 | 3.60 | 2.37 | |
| September - | | | | 4.08 | 3.45 | .10 | 5.37 | 3.04 | 1.83 | 5.38 | |
| October - - | | | | 5.08 | 2.34 | 3.88 | 2.29 | 4.43 | 3.33 | 4.23 | |
| November - | | | | 2.74 | 2.67 | 2.62 | 3.61 | 1.14 | 2.09 | 3.71 | |
| December - | | | | 1.92 | 1.81 | .71 | 2.29 | 3.53 | 5.78 | 4.78 | |
| TOTALS - | | | | 31.32 | 24.23 | 24.05 | 32.01 | 29.03 | 26.43 | 35.80 | |

2 2 C C C C C

1861 July 14 ft 1.45

1862 Aug 14 ft 1.53

1863 June 10 ft 1.31

Rainfall at *Brierley Hill (Stafford)*

H. B. Biden

Diameter of Gauge, in.

Height above Ground, *3* ft. in.

Above Mean Sea Level, *560* ft.

Seneca, Left bank - 2.

| YEAR - - | 1860 | 1861 | 1862 | 1863 | 1864 | 1865 | 1866 | 1867 | 1868 | 1869 | MEANS. |
|--------------|------|-------------|-------|-------|-------|----------|------|------|------|------|--------|
| January - - | | | 2.79 | 2.04 | .85 | | | | | | |
| February - - | | | .63 | .41 | 2.02 | | | | | | |
| March - - - | | | 4.90 | .85 | 3.40 | | | | | | |
| April - - - | | | 1.98 | .96 | .89 | | | | | | |
| May - - - - | | | 4.44 | .63 | 1.85 | | | | | | |
| June - - - - | | | 1.96 | 3.86 | 1.41 | | | | | | |
| July - - - - | | <i>5.96</i> | 1.56 | 1.05 | .45 | | | | | | |
| August - - - | | .98 | .93 | 4.20 | .79 | | | | | | |
| September - | | 3.50 | 4.46 | 4.21 | 2.18 | | | | | | |
| October - - | | 1.18 | 1.90 | 3.25 | 2.30 | | | | | | |
| November - | | 2.60 | .74 | 2.89 | 3.22 | | | | | | |
| December - | | 1.52 | 2.63 | 1.17 | 1.49 | <i>✓</i> | | | | | |
| TOTALS - | | | 28.92 | 25.52 | 20.85 | | | | | | |

2 5 5 5

1861 July 19th 1.15
 1862 May 30th 1.33
 1863 June 10th 1.31

Goldthorne Hill
Wolverhampton

Stifford.

W H Ford.

+ ground 6 in

+ See level 52 ft

Severn, L-2.

| YEAR - - | 1860 | 1861 | 1862 | 1863 | 1864 | 1865 | 1866 | 1867 | 1868 | 1869 | MEANS. |
|--------------|------|------|------|-------|-------|-------|------|------|------|------|--------|
| January - - | | | | 2.52 | 1.17 | 2.96 | | | | | |
| February - - | | | | .29 | 2.01 | 1.53 | | | | | |
| March - - - | | | | .03 | 2.47 | 1.08 | | | | | |
| April - - - | | | | 1.11 | 1.29 | .56 | | | | | |
| May - - - - | | | | 1.00 | 2.34 | 3.51 | | | | | |
| June - - - - | | | | 3.62 | 2.50 | 1.09 | | | | | |
| July - - - - | | | | 1.34 | .71 | 2.16 | | | | | |
| August - - - | | | | 2.86 | .94 | 4.03 | | | | | |
| September - | | | | 3.56 | 1.71 | .22 | | | | | |
| October - - | | | | 4.20 | 2.24 | 4.41 | | | | | |
| November - | | | | 2.46 | 2.61 | 2.64 | | | | | |
| December - | | | | 1.16 | 2.61 | .50 | | | | | |
| TOTALS - | | | | 24.95 | 22.60 | 24.69 | | | | | |

1864 is 3.16 below the average of last 5 years

Woolacampton

Woolacampton 1869

Henry Wood

526 59

68 520 Stifford 67

520 65

470 64

5 Castles + Ground 10 in + Sea Level 450?
 Seven, L - 2.

| YEAR - - | 1860 | 1861 | 1862 | 1863 | 1864 | 1865 | 1866 | 1867 | 1868 | 1869 | MEANS. |
|----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---------|
| January - - | 3.11 | .46 | 2.00 | 2.52 | .87 | 2.73 | 2.19 | 3.52 | 1.64 | 3.70 | 2.282 |
| February - - | .71 | 2.19 | .38 | .29 | 2.30 | 3.04 | 2.05 | 1.57 | 2.38 | 2.12 | 1.703 |
| March - - - | 2.43 | 1.95 | 3.72 | .83 | 2.40 | 1.11 | 2.02 | 2.84 | 2.09 | 1.65 | 2.104 |
| April - - - - | .90 | .68 | 2.73 | .83 | 1.29 | .67 | .70 | 2.10 | 2.12 | 1.93 | 1.395 - |
| May - - - - - | 2.57 | .72 | 4.02 | .73 | 2.20 | 4.04 | 2.04 | 1.18 | 1.94 | 5.25 | 2.469 |
| June - - - - - | 6.76 | 3.27 | 2.09 | 4.08 | 2.11 | 2.17 | 3.28 | 1.21 | .34 | 1.30 | 2.661 |
| July - - - - - | 2.29 | 4.65 | 1.80 | 1.20 | .47 | 2.94 | 1.67 | 4.03 | .26 | .33 | 1.964 |
| August - - - | 6.22 | .94 | 1.38 | 2.62 | .71 | 5.83 | 4.30 | 1.90 | 5.29 | 1.25 | 3.044 + |
| September - | 2.39 | 2.92 | 4.15 | 2.65 | 1.81 | .21 | 5.65 | 2.45 | 2.40 | 6.37 | 3.100 |
| October - - - | .84 | 1.39 | 2.88 | 3.27 | 2.28 | 4.92 | 2.68 | 3.04 | 2.23 | 1.85 | 2.538 |
| November - - | 2.18 | 2.24 | 1.28 | 2.73 | 3.23 | 3.17 | 2.22 | 1.13 | 1.67 | 2.30 | 2.215 |
| December - - | 3.85 | .59 | 1.71 | 1.45 | 1.51 | 1.02 | 2.17 | 1.46 | 6.48 | 4.18 | 2.442 |
| TOTALS - | 34.25 | 22.00 | 28.14 | 23.20 | 21.18 | 31.85 | 30.97 | 26.43 | 28.84 | 32.31 | 27.917 |

+ 1860 Jan: 1 0.50; June 3 0.96, 10th 0.57, 20th 1.12; July 21 0.61

Aug 5 0.55, 6 0.53, 10 0.64; Sep 17 0.87; Dec 4 0.55, 6 0.59

1869 The situation of the gauge has been changed.
 it is now 6 ft higher than formerly

RAINFALL AT WolverhamptonMerri-dale Road.Stafford.Observer John Thurstons

Rain { By

Gauge { Diameter 8 in.Height above Ground, 5 ft. in.Above Mean Sea Level 430 ft.Severn, L-2.

| YEAR..... | | | | | | | | | 1868 | 1869 | MEANS. |
|----------------|--|--|--|--|--|--|--|--|----------------------|-------|--------|
| January..... | | | | | | | | | 2
1.79 | 2.45 | |
| February | | | | | | | | | 1.91 | 1.62 | |
| March | | | | | | | | | 1.52 | 1.88 | |
| April | | | | | | | | | 1.76 | 1.54 | |
| May | | | | | | | | | 1.96 | 5.11 | |
| June | | | | | | | | | .30 | 1.18 | |
| July | | | | | | | | | .31 | .43 | |
| August | | | | | | | | | 4.33 | 1.37 | |
| September..... | | | | | | | | | 2.00 | 6.22 | |
| October | | | | | | | | | 1.85 | 1.53 | |
| November..... | | | | | | | | | 1.18 | 1.80 | |
| December | | | | | | | | | 4.51 | 3.65 | |
| TOTALS | | | | | | | | | 23.42 | 28.78 | |

New 5 in gauge in 1869

RAINFALL AT *Wolverhampton*

John Thrustens

S. John Square

60

Stafford

Rain { By
Gauge { Diameter.....*0*.....in.

Height above Ground, *5*... ft. *6*... in.

Above Mean Sea Level, *513*... ft.

Severn, No-2.

| YEAR..... | | | | | | 1865 | 1866 | 1867 | 1868 | 1869 | MEANS. |
|----------------|--|--|--|--|--|-------|-------|-------|------|------|--------|
| January | | | | | | | 2.19 | 3.39 | | | |
| February | | | | | | | 1.93 | 1.69 | | | |
| March | | | | | | | 1.86 | 2.80 | | | |
| April | | | | | | | .75 | 2.11 | | | |
| May | | | | | | | 2.16 | 1.58 | | | |
| June..... | | | | | | #1.99 | 3.29 | 1.45 | | | |
| July | | | | | | 3.23 | 1.86 | 3.71 | | | |
| August | | | | | | 5.88 | 4.55 | 2.13 | | | |
| September ... | | | | | | .23 | 5.97 | 2.70 | | | |
| October..... | | | | | | 4.41 | 2.47 | 3.31 | | | |
| November..... | | | | | | 2.75 | 2.24 | 1.09 | | | |
| December..... | | | | | | 1.05 | 1.78 | 1.97 | | | |
| TOTALS | | | | | | | 31.05 | 27.93 | | | |

C C C

RAINFALL AT Wolverhampton

60

Chas G De Leport

Watraloo R^o

Stafford.

Rain { By.....

Gauge { Diameter...5.....in.

Height above Ground, 1... ft. 1..... in.

Above Mean Sea Level, 500..... ft.

Seven, L. - 2.

| YEAR..... | | | | | | | 1866 | 1867 | 1868 | 1869 | MEANS. |
|----------------|--|--|--|--|--|--|-------|-------|-------|-------|--------|
| January | | | | | | | 1.84 | 3.14 | 1.91 | 2.94 | |
| February | | | | | | | 1.87 | 1.57 | 2.28 | 1.81 | |
| March | | | | | | | 1.82 | 2.59 | 1.85 | 1.58 | |
| April | | | | | | | .72 | 2.14 | 1.94 | 1.72 | |
| May | | | | | | | 1.79 | 1.44 | 1.85 | 5.55 | |
| June..... | | | | | | | 3.23 | 1.44 | .30 | 1.13 | |
| July | | | | | | | 1.74 | 3.17 | .39 | .60 | |
| August | | | | | | | 3.95 | 2.06 | 4.55 | 1.45 | |
| September ... | | | | | | | 5.53 | 2.65 | 2.07 | 6.40 | |
| October..... | | | | | | | 2.48 | 3.11 | 2.01 | 1.65 | |
| November..... | | | | | | | 2.13 | 1.08 | 1.46 | 2.09 | |
| December | | | | | | | 1.76 | 1.44 | 5.46 | 3.29 | |
| TOTALS | | | | | | | 28.86 | 25.83 | 26.07 | 30.21 | |

1869 April 14th In evening two fire balls the size of large Oranges seen, the heat for the last three days very great April 15th very bright Aurora at 11 P M May 25th Fearful & I noticed a fire ball blue & white in color, but the lightning was violet more than 1½ in of rain fell in two hours

RAINFALL AT *Wolverhampton*

60

No 2 Wadhams Hill

Stafford.

Rev E W Winter

4.6 68

450-68

Rain { By.....

3.6 67

490

Gauge { Diameter.....*0*.....in.

Height above Ground, *5* ft. in.

Above Mean Sea Level, *510* ft.

Seven, L - 2.

| YEAR..... | | | | | | | 1866 | 1867 | 1868 | 1869 | MEANS. |
|----------------|--|--|--|--|--|--|---------------|--------------|--------------|--------------|--------|
| January | | | | | | | <i># 2.17</i> | <i>2.52</i> | <i>1.65</i> | <i>2.63</i> | |
| February | | | | | | | <i>1.90</i> | <i>1.30</i> | <i>1.85</i> | <i>1.65</i> | |
| March | | | | | | | <i>1.90</i> | <i>2.03</i> | <i>1.49</i> | <i>1.44</i> | |
| April | | | | | | | <i>.49</i> | <i>1.69</i> | <i>1.79</i> | <i>1.85</i> | |
| May | | | | | | | <i>1.70</i> | <i>1.52</i> | <i>1.75</i> | <i>5 26</i> | |
| June..... | | | | | | | <i>3.07</i> | <i>1.30</i> | <i>.27</i> | <i>1.17</i> | |
| July | | | | | | | <i>1.73</i> | <i>3.56</i> | <i>.42</i> | <i>.43</i> | |
| August | | | | | | | <i>3.79</i> | <i>1.97</i> | <i>4.32</i> | <i>1.17</i> | |
| September ... | | | | | | | <i>4.96</i> | <i>2.41</i> | <i>2.06</i> | <i>6.10</i> | |
| October..... | | | | | | | <i>2.29</i> | <i>2.93</i> | <i>1.89</i> | <i>1.42</i> | |
| November..... | | | | | | | <i>2.02</i> | <i>.96</i> | <i>1.31</i> | <i>1.46</i> | |
| December..... | | | | | | | <i>1.36</i> | <i>1.48</i> | <i>4.81</i> | <i>3.94</i> | |
| TOTALS | | | | | | | <i>27.38</i> | <i>23.03</i> | <i>23.61</i> | <i>28.52</i> | |

My old friend the Rev E. Winter was an observer of very doubtful reliability. He was frequently absent from home and at such times his housekeeper used to put the rain in a bottle or jug till his return. How often the receiver was allowed to run over ~~is~~ before being emptied is uncertain. Extract from letter from J. Thrustans 18.9.77

RAINFALL AT *Pattinham*

[*Wolverhampton*]

60

Stafford.

Rain } By *B. S. M. Golden*
Gauge } *Coasella*
Diameter.....*5*.....in.

Height above Ground, *1* ft. in.

Above Mean Sea Level, *400* *68* [?] ft.

Severn, L-2.

| YEAR | 1860 | 1861 | 1862 | 1863 | 1864 | 1865 | 1866 | 1867 | 1868 | 1869 | MEANS. |
|----------------|------|------|------|------|------|-------|-------|-------|-------|-------|--------|
| January | | | | | | 3.13 | 2.19 | 2.57 | 2.33 | 3.23 | |
| February | | | | | | 1.89 | 1.85 | 1.51 | 2.54 | 2.24 | |
| March | | | | | | .96 | 1.82 | 2.89 | 2.48 | 1.53 | |
| April | | | | | | .62 | .58 | 2.35 | 1.57 | 1.36 | |
| May | | | | | | 3.03 | .64 | 1.46 | 1.84 | 4.70 | |
| June | | | | | | 1.71 | 4.27 | 1.07 | .65 | .97 | |
| July | | | | | | 1.62 | 1.48 | 1.70 | .63 | .75 | |
| August | | | | | | 3.56 | 3.77 | 1.28 | 4.28 | 2.06 | |
| September ... | | | | | | .17 | 4.87 | 2.08 | 2.28 | 4.03 | |
| October | | | | | | 3.84 | 2.30 | 3.54 | 1.95 | 2.03 | |
| November ... | | | | | | 2.53 | 2.78 | .96 | 1.32 | 1.81 | |
| December | | | | | | .91 | 1.64 | 1.46 | 6.01 | 3.23 | |
| TOTALS | | | | | | 23.97 | 28.19 | 22.87 | 27.88 | 27.93 | |

C C C C

Rainfall at Patshull (Staffordshire)
 2 1/4 m from Patteringham.

60

Mr. James (Gardener to R^t Hon. Earl of Dartmouth)

1867 per B. L. Malden

350 68

Diameter of Gauge, 8 in.

Height above Ground, 2 ft. in.

Above Mean Sea Level, 400? ft.

Severn, 2 - 2.

| YEAR - - | 1860 | 1861 | 1862 | 1863 | 1864 | 1865 | 1866 | 1867 | 1868 | 1869 | MEANS. |
|--------------|------|------|------|------|-------|-------|-------|-------|-------|---------------------------|--------|
| January - - | | | | | .81 | 2.46 | 2.09 | 1.40 | 1.87 | 3.21
3.23 | |
| February - - | | | | | 1.85 | 1.38 | 1.87 | 1.60 | 4.06 | 1.41
2.24 | |
| March - - - | | | | | 1.74 | .86 | 1.13 | 1.27 | 1.48 | 1.42
1.53 | |
| April - - - | | | | | 1.48 | 1.01 | .49 | 2.20 | 1.11 | 1.63
1.35 | |
| May - - - - | | | | | 2.24 | 3.49 | 1.26 | 1.52 | 2.08 | 5.03
4.70 | |
| June - - - - | | | | | 1.29 | 1.77 | 3.74 | 1.95 | .36 | 1.69
.97 | |
| July - - - - | | | | | .54 | 2.04 | 1.59 | 2.23 | .62 | .27
.75 | |
| August - - - | | | | | 1.05 | 3.21 | 1.94 | 2.01 | 3.57 | 1.44
2.06 | |
| September - | | | | | 2.24 | .29 | 4.34 | 1.30 | 3.18 | 3.96
4.03 | |
| October - - | | | | | 1.96 | 4.12 | 1.90 | 2.48 | 2.02 | .86
2.03 | |
| November - | | | | | 2.49 | 2.52 | 2.19 | 1.17 | 1.09 | 2.00
1.81 | |
| December - | | | | | 1.86 | .91 | 1.40 | 1.62 | 5.59 | 3.14
3.23 | |
| TOTALS - | | | | | 19.55 | 24.06 | 23.74 | 21.25 | 27.03 | 26.06
27.73 | |

1869 The black ink figures are the amounts for Patteringham the red figures the correct values received in 1880.

Rainfall at *Weston-under-Lyziard*
Shifnal

60

Stafford.

Rev^d J^r R. A. Bridgeman

Diameter of Gauge, *3*..... in.

Height above Ground, ft. *10*.. in.

Above Mean Sea Level, ft.

Severn, L. 2.

| YEAR - - | | | | | 1864 | 1865 | 1866 | 1867 | 1868 | 1869 | MEANS. |
|--------------|--|--|--|--|--------------|-------|-------|-------|-------|-------|--------|
| January - - | | | | | | 2.53 | 2.02 | 3.78 | 1.84 | 2.65 | |
| February - - | | | | | | 1.49 | 2.18 | 1.48 | 2.05 | 1.77 | |
| March - - - | | | | | | 1.14 | 1.82 | 2.30 | 1.49 | 1.53 | |
| April - - - | | | | | | 1.13 | .53 | 2.34 | 1.53 | 1.62 | |
| May - - - - | | | | | x | 2.88 | 1.50 | 1.34 | 1.42 | 5.59 | |
| June - - - - | | | | | 1.25 | 2.32 | 2.99 | 2.04 | .32 | 1.13 | |
| July - - - - | | | | | .75 | 2.05 | 1.60 | 2.91 | .28 | .79 | |
| August - - - | | | | | 1.35 | 3.96 | 4.33 | 1.54 | 3.61 | 1.86 | |
| September - | | | | | 2.32 | .14 | 4.60 | 1.63 | 2.37 | 4.59 | |
| October - - | | | | | 2.10 | 4.09 | 2.00 | 3.62 | 2.15 | 1.59 | |
| November - | | | | | 2.21 | 2.32 | 2.24 | .77 | 1.11 | 2.34 | |
| December - | | | | | | 1.00 | 1.60 | 2.33 | 5.77 | 3.08 | |
| TOTALS - | | | | | | 25.05 | 27.41 | 26.08 | 23.94 | 28.54 | |

C C C C C C

1869 Very sudden change of temp in August

28th = 88°

29 = 55°

31 = 33°

Wrottesley

60

Stafford

J. Hough

21 64

551

+ Ground 22 ft

+ Sea Level 553 ft

Ino. Right bank - 3.

| YEAR - - | 1860 | 1861 | 1862 | 1863 | 1864 | 1865 | 1866 | 1867 | 1868 | 1869 | MEANS. |
|--------------|-------|-------|-------|-------|-------|-------|-------|------|------|------|--------|
| January - - | 1.87 | .73 | 1.89 | 1.82 | .72 | .84 | 1.34 | | | | |
| February - - | .33 | 1.68 | .48 | .24 | 1.53 | .82 | 1.38 | | | | |
| March - - - | 1.47 | 2.67 | 3.14 | .77 | 1.22 | .78 | 1.29 | | | | |
| April - - - | .73 | .83 | 2.10 | .76 | 1.10 | .51 | .47 | | | | |
| May - - - - | 2.71 | .56 | 3.67 | .82 | 2.21 | 2.92 | .47 | | | | |
| June - - - - | 4.14 | 3.59 | 1.39 | 3.93 | 1.15 | 1.49 | 3.87 | | | | |
| July - - - - | 1.35 | 4.04 | 1.58 | 1.20 | .40 | 1.58 | .76 | | | | |
| August - - - | 5.38 | .90 | 1.83 | 2.17 | .90 | 3.69 | 3.91 | | | | |
| September - | 1.65 | 2.24 | 3.08 | 2.91 | 1.79 | .12 | 4.22 | | | | |
| October - - | 1.52 | 1.28 | 2.56 | 2.87 | 1.83 | 3.34 | 1.87 | | | | |
| November - | 1.61 | 1.59 | .87 | 1.87 | 1.91 | 1.98 | 1.59 | | | | |
| December - | 2.92 | 1.18 | 1.55 | .73 | 1.69 | .71 | 1.14 | # | | | |
| TOTALS - | 25.68 | 21.29 | 24.14 | 20.09 | 16.45 | 18.78 | 22.31 | | | | |

1863 This gauge is on the top of the Obol and connected with
Oliver's Anemometer on the shaft of which the record
is made.

1865 The discrepancy for Jan^y between this gauge and those
on the ground is owing to the latter retaining so much
more snow.

Whorllesley Observatory

Mean of two gauges

Stafford.

Level of bin

491 ft is the true height
530 ft + 5 l

Trent, R-3.

| YEAR - - | 1860 | 1861 | 1862 | 1863 | 1864 | 1865 | | | | | MEANS. |
|--------------|-------|-------|-------|-------|-------|-------|--|--|--|--|--------|
| January - - | 2.67 | .99 | 2.00 | 2.01 | .99 | 1.72 | | | | | |
| February - - | .58 | 2.09 | .48 | .50 | 1.71 | 1.29 | | | | | |
| March - - - | 1.89 | 3.43 | 3.44 | .83 | 2.12 | 1.11 | | | | | |
| April - - - | .92 | .86 | 2.50 | 1.00 | 1.36 | .67 | | | | | |
| May - - - - | 3.10 | .80 | 3.84 | .92 | 2.28 | 3.24 | | | | | |
| June - - - - | 4.71 | 4.07 | 1.53 | 4.86 | 1.38 | 1.57 | | | | | |
| July - - - - | 1.59 | 4.48 | 1.75 | 1.23 | .29 | 1.65 | | | | | |
| August - - - | 6.10 | .99 | 1.94 | 2.69 | .95 | 4.01 | | | | | |
| September - | 2.05 | 2.41 | 3.61 | 3.26 | 1.79 | .11 | | | | | |
| October - - | 1.67 | 1.50 | 2.88 | 3.24 | 2.11 | 3.62 | | | | | |
| November - | 1.92 | 1.82 | .99 | 2.47 | 2.01 | 2.43 | | | | | |
| December - | 3.77 | 1.31 | 1.97 | 1.05 | 2.42 | .95 | | | | | |
| TOTALS - | 30.97 | 24.75 | 26.93 | 23.86 | 19.41 | 22.37 | | | | | |

✓ c ✓ c ✓ c ✓ c ✓ c ✓ c

RAINFALL AT Wrottesley Observatory

Lord Wrottesley

60

Stafford.

Rain { By
Gauge { Diameter.....0.....in.

Gush 68

490 68

Height above Ground, ft. 0... in.

Above Mean Sea Level, 530... ft.

Trent R. 3.

| YEAR..... | | | | | | | 1866 | 1867 | 1868 | 1869 | MEANS. |
|----------------|--|--|--|--|--|--|-------|-------|-------|-------|--------|
| January | | | | | | | 2.02 | 2.50 | 1.78 | 2.90 | |
| February | | | | | | | 1.79 | 1.38 | 2.24 | 2.07 | |
| March | | | | | | | 1.82 | 1.97 | 1.52 | 1.55 | |
| April | | | | | | | .58 | 2.33 | 1.39 | 1.45 | |
| May | | | | | | | .54 | 1.57 | 1.78 | 4.79 | |
| June..... | | | | | | | 4.17 | 1.35 | .32 | 1.55 | |
| July | | | | | | | .80 | 3.48 | .46 | .20 | |
| August..... | | | | | | | 4.80 | 1.81 | 3.68 | 1.60 | |
| September ... | | | | | | | 4.57 | 1.78 | 2.28 | 4.98 | |
| October..... | | | | | | | 2.17 | 2.65 | 1.81 | 1.65 | |
| November..... | | | | | | | 2.08 | 1.32 | 1.15 | 2.05 | |
| December..... | | | | | | | 1.36 | 1.50 | 5.16 | 3.35 | |
| TOTALS | | | | | | | 26.70 | 23.64 | 23.57 | 28.14 | |

c c c c

RAINFALL AT Wrothley Observatory

60

Lord Wrothley

Stafford.

Rain (By
Gauge (Diameter.....3.....in.

March 68

490 68

Height above Ground, ft. 4..... in.

Above Mean Sea Level, ..530... ft.

Year - 3.

| YEAR..... | | | | | | | 1866 | 1867 | 1868 | 1869 | MEANS. |
|----------------|--|--|--|--|--|--|-------|-------|-------|------|--------|
| January | | | | | | | 2.17 | 3.28 | 1.99 | | |
| February | | | | | | | 1.79 | 1.48 | 2.40 | | |
| March | | | | | | | 1.92 | 1.52 | 1.53 | | |
| April | | | | | | | .50 | 2.39 | 1.47 | | |
| May | | | | | | | .55 | 1.70 | 1.88 | | |
| June..... | | | | | | | 4.40 | 1.47 | .24 | | |
| July | | | | | | | .82 | 3.78 | .46 | | |
| August..... | | | | | | | 4.70 | 1.79 | 3.92 | | |
| September ... | | | | | | | 4.83 | 1.83 | 2.60 | | |
| October..... | | | | | | | 2.35 | 2.74 | 1.96 | | |
| November..... | | | | | | | 2.30 | 1.32 | 1.30 | | |
| December | | | | | | | 1.46 | 1.57 | 5.42 | | |
| TOTALS | | | | | | | 27.79 | 24.87 | 25.17 | | |

c c c

RAINFALL AT *Jannworth, Staffordshire*
Lichfield Street

Observer *Wm. Arnold*

Rain { By.....
 Gauge { Diameter *5* in.

Height above Ground *1* ft. in.

Above Mean Sea Level *160* ft.

Year R-3.

| YEAR..... | | | | | | | | | | MEANS. |
|----------------|--|--|--|--|--|--|--|--|-------------|--------|
| January..... | | | | | | | | | | |
| February | | | | | | | | | | |
| March | | | | | | | | | | |
| April | | | | | | | | | | |
| May | | | | | | | | | | |
| June..... | | | | | | | | | <i>1.22</i> | |
| July | | | | | | | | | <i>.55</i> | |
| August | | | | | | | | | <i>1.19</i> | |
| September..... | | | | | | | | | <i>4.60</i> | |
| October | | | | | | | | | <i>.97</i> | |
| November..... | | | | | | | | | <i>2.04</i> | |
| December..... | | | | | | | | | <i>3.83</i> | |
| TOTALS | | | | | | | | | | |

Gauge in centre of grass plot nearest obstruction a wall 7 ft high distant 16 ft. on the west side

taken from Palmers history of Jannworth who gives the height of the town as 150 ft above the Thames at Kewford and my garden being 10 ft above the level of the river I have put down the gauge as 160 ft. I do not know of any Ordnance marks in the neighborhood but perhaps you will at your leisure send me the nearest mark to this place.

RAINFALL AT *Beau Desart Rugby*
Staffordshire

Observer... *Wm R. Robson*

Rain { By.....
Gauge {
Diameter..... *2*in.

Height above Ground,.....ft.....*4*.....in.

Above Mean Sea Level...*756*..ft.

Inst R 3.

| YEAR..... | | | | | | | | | | <i>1869</i> | MEANS. |
|----------------|--|--|--|--|--|--|--|--|--|-------------|--------|
| January..... | | | | | | | | | | | |
| February | | | | | | | | | | | |
| March | | | | | | | | | | | |
| April..... | | | | | | | | | | | |
| May | | | | | | | | | | | |
| June..... | | | | | | | | | | | |
| July | | | | | | | | | | | |
| August..... | | | | | | | | | | | |
| September..... | | | | | | | | | | | |
| October | | | | | | | | | | <i>2.06</i> | |
| November..... | | | | | | | | | | <i>2.87</i> | |
| December..... | | | | | | | | | | <i>4.64</i> | |
| TOTALS | | | | | | | | | | | |

C

Rainfall at Stafford Infirmary

60

P. H. Greaves

Diameter of Gauge, 5 in.

Height above Ground, 7 in.

Above Mean Sea Level, ft.

Ans. R-3.

| YEAR - - | | | | | | | | | 1868 | MEANS. |
|---------------|--|--|--|--|--|--|--|--|--------|--------|
| January - - | | | | | | | | | # 1.77 | |
| February - - | | | | | | | | | 2.24 | |
| March - - - | | | | | | | | | 1.99 | |
| April - - - | | | | | | | | | 2.09 | |
| May - - - - | | | | | | | | | 1.01 | |
| June - - - - | | | | | | | | | .33 | |
| July - - - - | | | | | | | | | .71 | |
| August - - - | | | | | | | | | 2.67 | |
| September - | | | | | | | | | 2.12 | |
| October - - - | | | | | | | | | 2.74 | |
| November - - | | | | | | | | | 1.33 | |
| December - - | | | | | | | | | 6.18 | |
| TOTALS - | | | | | | | | | 25.18 | |

On a flat piece of ground 25 yds to the W of the Infirmary
a building 4 stories high quite open on W & SW on the
N and E a small shrubbery 15 yards distant

Rainfall at *Eturia* (Staffordshire)

Ja. A. Forbes

Diameter of Gauge, *5* in.

Height above Ground, *3* ft. in.

Above Mean Sea Level, *440* ft.

Inst R-3.

4 . 2 . 1866 68 69

| YEAR - - | 1860 | 1861 | 1862 | 1863 | 1864 | 1865 | 1866 | 1867 | 1868 | 1869 | MEANS. |
|----------------|------|------|------|------|--------------|--------------|--------------|--------------|--------------|--------------|--------|
| January - - | | | | | <i>1.17</i> | <i>2.02</i> | <i>3.33</i> | <i>3.02</i> | <i>2.08</i> | <i>3.52</i> | |
| February - - | | | | | <i>2.89</i> | <i>2.25</i> | <i>2.23</i> | <i>1.89</i> | <i>2.42</i> | <i>2.27</i> | |
| March - - - | | | | | <i>2.80</i> | <i>2.00</i> | <i>1.71</i> | <i>1.96</i> | <i>4.22</i> | <i>1.83</i> | |
| April - - - - | | | | | <i>1.25</i> | <i>1.03</i> | <i>.94</i> | <i>3.75</i> | <i>2.38</i> | <i>2.00</i> | |
| May - - - - - | | | | | <i>2.40</i> | <i>4.13</i> | <i>1.17</i> | <i>1.75</i> | <i>1.26</i> | <i>4.77</i> | |
| June - - - - - | | | | | <i>2.85</i> | <i>1.10</i> | <i>4.76</i> | <i>1.95</i> | <i>.29</i> | <i>1.36</i> | |
| July - - - - - | | | | | <i>1.81</i> | <i>1.95</i> | <i>3.09</i> | <i>4.28</i> | <i>.00</i> | <i>.72</i> | |
| August - - - | | | | | <i>2.75</i> | <i>4.91</i> | <i>5.47</i> | <i>1.67</i> | <i>3.64</i> | <i>2.80</i> | |
| September - | | | | | <i>4.39</i> | <i>.23</i> | <i>5.02</i> | <i>3.39</i> | <i>2.41</i> | <i>5.75</i> | |
| October - - | | | | | <i>1.34</i> | <i>5.42</i> | <i>2.16</i> | <i>4.54</i> | <i>2.54</i> | <i>2.99</i> | |
| November - | | | | | <i>3.72</i> | <i>2.69</i> | <i>3.83</i> | <i>1.21</i> | <i>2.36</i> | <i>3.41</i> | |
| December - | | | | | <i>2.37</i> | <i>1.00</i> | <i>2.46</i> | <i>3.75</i> | <i>7.53</i> | <i>3.64</i> | |
| TOTALS - | | | | | <i>29.74</i> | <i>28.73</i> | <i>35.17</i> | <i>33.16</i> | <i>31.13</i> | <i>35.06</i> | |

1866 68 69

RAINFALL AT *Burton Rangemoor* *Stafford*

Observer *W Bennett Esq*

Rain { By

Gauge {

Diameter.....*8*.....in.

Height above Ground,....*5*...ft..*6*.....in.

Above Mean Sea Level *4.24* ft.

Trent, Left bank - 4.

| YEAR..... | | | | | | | 1866 | 1867 | 1868 | 1869 | MEANS. |
|----------------|--|--|--|--|--|--|-------|-------|-------|-------|--------|
| January..... | | | | | | | 2.14 | 2.58 | 1.81 | 3.03 | |
| February..... | | | | | | | 2.11 | 2.25 | 2.22 | 2.56 | |
| March | | | | | | | 2.04 | 2.69 | 3.44 | 1.93 | |
| April..... | | | | | | | .71 | 3.61 | 2.49 | 1.90 | |
| May | | | | | | | 1.15 | 2.06 | 2.26 | 4.00 | |
| June... .. | | | | | | | 4.43 | 2.23 | .33 | 1.28 | |
| July | | | | | | | 3.02 | 3.95 | .35 | .60 | |
| August..... | | | | | | | 5.54 | 4.05 | 4.59 | 1.93 | |
| September..... | | | | | | | 7.21 | 2.74 | 2.14 | 5.38 | |
| October..... | | | | | | | 3.19 | 3.67 | 3.11 | 1.49 | |
| November..... | | | | | | | 4.34 | 1.07 | 1.72 | 2.53 | |
| December..... | | | | | | | 2.40 | 3.34 | 7.24 | 5.15 | |
| TOTALS | | | | | | | 38.28 | 34.24 | 31.70 | 31.78 | |

RAINFALL AT Burton on Trent

J. Matthews.

Stafford.

Rain { By
 Gauge {
 Diameter.....5.....in. Height above Ground, 6... ft. in. Above Mean Sea Level, ...152... ft.

Trent. R. - 4.

| YEAR..... | | | | | 1865 | 1866 | 1867 | 1868 | 1869 | MEANS. |
|----------------|--|--|--|--|--------|-------|-------|-------|-------|--------|
| January | | | | | # 2.23 | 1.23 | 1.82 | 1.32 | 2.90 | |
| February | | | | | 1.46 | 1.26 | 1.09 | 1.59 | 2.09 | |
| March | | | | | 1.00 | 1.21 | 1.73 | 1.43 | 1.43 | |
| April | | | | | .64 | .46 | 2.09 | 1.30 | 2.26 | |
| May | | | | | 2.52 | 1.30 | 1.42 | 1.10 | 4.31 | |
| June..... | | | | | 1.78 | 3.77 | 1.79 | .43 | 1.25 | |
| July | | | | | 3.14 | 1.79 | 1.91 | .28 | .90 | |
| August | | | | | 3.98 | 4.09 | 2.75 | 3.23 | 1.14 | |
| September ... | | | | | .17 | 5.22 | 1.79 | 2.33 | 4.74 | |
| October..... | | | | | 5.73 | 1.96 | 2.59 | 2.77 | .61 | |
| November..... | | | | | 1.69 | 2.15 | .74 | 1.66 | 2.48 | |
| December | | | | | .44 | 1.43 | 1.07 | 6.67 | 4.23 | |
| TOTALS | | | | | 24.78 | 25.87 | 20.79 | 24.11 | 28.14 | |

C C C C C

RAINFALL AT *Hornung low*

St. Burton on Trent

Stafford

Observer *R. W. Abbotts*

Rain { By

Gauge { Diameter *5* in.

Height above Ground, *4* ft. in.

Above Mean Sea Level *150* ft.

Trent, 2 - 4.

| YEAR..... | | | | | | | | | 1868 | 1869 | MEANS. |
|----------------|--|--|--|--|--|--|--|--|--------------|--------------|--------|
| January..... | | | | | | | | | <i>1.53</i> | <i>2.98</i> | |
| February | | | | | | | | | <i>2.28</i> | <i>2.18</i> | |
| March | | | | | | | | | <i>2.08</i> | <i>1.24</i> | |
| April | | | | | | | | | <i>1.85</i> | <i>1.89</i> | |
| May | | | | | | | | | <i>1.42</i> | <i>3.98</i> | |
| June | | | | | | | | | <i>.45</i> | <i>1.26</i> | |
| July | | | | | | | | | <i>.37</i> | <i>.71</i> | |
| August | | | | | | | | | <i>3.29</i> | <i>1.49</i> | |
| September..... | | | | | | | | | <i>2.29</i> | <i>5.27</i> | |
| October | | | | | | | | | <i>2.89</i> | <i>1.20</i> | |
| November..... | | | | | | | | | <i>1.66</i> | <i>2.46</i> | |
| December | | | | | | | | | <i>6.07</i> | <i>4.24</i> | |
| TOTALS | | | | | | | | | <i>26.18</i> | <i>28.90</i> | |

C C

RAINFALL AT BarlastonWm. Scottat Stone StaffordshireRain (By Earthenware gauge)
Gauge { Diameter 5 in.Height above Ground, ft. 6 in.Above Mean Sea Level, about 500
532 ft. 63Trent, 20-14

| YEAR..... | 1860 | 1861 | 1862 | 1863 | 1864 | 1865 | 1866 | 1867 | 1868 | 1869 | MEANS. |
|----------------|------|------|------|------|------|-----------------|-------|-------|-------|-------|--------|
| January | | | | | | | 2.34 | 3.53 | 1.95 | 3.72 | |
| February | | | | | | ^R 36 | 2.20 | 1.54 | 2.01 | 2.29 | |
| March | | | | | | 1.96 | 1.92 | 2.07 | 2.72 | 1.51 | |
| April | | | | | | 1.00 | 1.20 | 4.22 | 2.01 | 2.78 | |
| May | | | | | | 4.06 | 1.20 | 1.40 | 1.24 | 4.21 | |
| June | | | | | | .70 | 4.87 | 1.83 | .62 | 1.32 | |
| July | | | | | | .43 | 2.40 | 3.72 | .17 | .06 | |
| August | | | | | | 5.59 | 5.59 | 1.73 | 3.67 | 2.39 | |
| September ... | | | | | | 35 | 5.00 | 2.75 | 2.41 | 6.32 | |
| October | | | | | | 4.36 | 2.96 | 3.63 | 3.10 | 2.09 | |
| November | | | | | | 2.34 | 3.65 | 1.35 | 2.26 | 3.07 | |
| December | | | | | | 1.17 | 2.00 | 3.60 | 7.27 | 3.59 | |
| TOTALS | | | | | | | 36.13 | 31.37 | 29.43 | 34.15 | |

Return for 66 is mean of two gauges one Cassell 5 in the other earthenware 13 $\frac{1}{4}$ these gauges always agree, and the mean of the two is always taken -

Rainfall at *High Wood*, *Uttoxeter*

Stafford.

J. J. Bell

g. in '61 = Grossley by W.B.H.

Diameter of Gauge, in. Height above Ground, *2*. ft. in. Above Mean Sea Level, ft.

none - 5.

| YEAR - - | 1860 | 1861 | 1862 | 1863 | 1864 | 1865 | 1866 | 1867 | 1868 | 1869 | MEANS. |
|--------------|------|------|------|------|---------------|------|------|------|------|------|--------|
| January - - | | | | | <i># 1.22</i> | | | | | | |
| February - - | | | | | | | | | | | |
| March - - - | | | | | <i>} 5.78</i> | | | | | | |
| April - - - | | | | | <i>1.41</i> | | | | | | |
| May - - - - | | | | | <i>3.09</i> | | | | | | |
| June - - - - | | | | | <i>2.07</i> | | | | | | |
| July - - - - | | | | | <i>.70</i> | | | | | | |
| August - - - | | | | | <i>1.72</i> | | | | | | |
| September - | | | | | <i>1.88</i> | | | | | | |
| October - - | | | | | <i>3.94</i> | | | | | | |
| November - | | | | | <i>.34</i> | | | | | | |
| December - | | | | | <i>4.95</i> | | | | | | |
| TOTALS - | | | | | <i>27.10</i> | | | | | | |

✓

Rainfall at Ellastone Vicarage.

60

Stafford.

Rain at C. R. Lighton. B. A. M.

Diameter of Gauge, in.

Height above Ground, ft. in.

Above Mean Sea Level, ft.

100 66 69

Done - 5.

| YEAR - - | 1860 | 1861 | 1862 | 1863 | 1864 | 1865 | 1866 | 1867 | 1868 | 1869 | MEANS. |
|--------------|------|------|------|-------|-------|-------|-------|-------|-------|-------|--------|
| January - - | | | # | 4.21 | 1.54 | 2.70 | 3.23 | 3.35 | 2.60 | 3.13 | |
| February - - | | | | .76 | 3.28 | 2.99 | 3.07 | 2.60 | 2.91 | 2.50 | |
| March - - - | | | | 1.29 | 3.19 | 2.02 | 2.37 | 2.33 | 4.20 | 2.20 | |
| April - - - | | | | 1.19 | 1.48 | 1.40 | .97 | 4.22 | 2.82 | 2.12 | |
| May - - - - | | | | 1.64 | 2.72 | 4.09 | 1.26 | 2.32 | 1.54 | 4.64 | |
| June - - - - | | | | 3.69 | 2.36 | .73 | 4.57 | 2.26 | 1.00 | 1.30 | |
| July - - - - | | | | 2.17 | .80 | 2.60 | 3.78 | 3.88 | .49 | .67 | |
| August - - - | | | | 1.75 | 2.02 | 5.65 | 4.11 | 2.42 | 4.61 | 2.43 | |
| September - | | | | 4.99 | 3.70 | .20 | 6.63 | 2.56 | 2.24 | 5.72 | |
| October - - | | | | 4.45 | 2.98 | 6.38 | 2.70 | 3.88 | 3.96 | 2.33 | |
| November - | | | | 3.08 | 2.66 | 2.88 | 4.28 | .96 | 2.54 | 3.86 | |
| December - | | | | 2.45 | 2.36 | 1.26 | 3.02 | 3.81 | 8.57 | 4.26 | |
| TOTALS - | | | | 31.67 | 29.09 | 32.90 | 41.99 | 34.59 | 37.48 | 35.16 | |

C 2 C C C C C

1868 A remarkably wet Dec^r more rain having fallen than in any month for the last ten years in this locality the wells were low till the middle of Dec^r.

Stanley Reservoir

Joseph
Forbes

5 in

Stoke upon Trent

Stafford.

3 65

5 in + Ground 10 ft

+ Sea Level 550 ft

over - 5.

3 ft 1 in 66

67

| YEAR - - | 1860 | 1861 | 1862 | 1863 | 1864 | 1865 | 1866 | 1867 | 1868 | 1869 | MEANS. |
|--------------|------|------|------|-------|-------|-------|-------|-------|-------|-------|--------|
| January - - | | | | 4.19 | 1.27 | 1.27 | 2.56 | 2.90 | 1.67 | 2.59 | |
| February - - | | | | .58 | 2.49 | 1.79 | 2.11 | 1.57 | 1.83 | 2.25 | |
| March - - - | | | | 1.33 | 2.15 | 1.98 | 2.27 | 1.92 | 2.89 | 1.84 | |
| April - - - | | | | 1.26 | 2.22 | .84 | 1.00 | 3.94 | 1.86 | 2.13 | |
| May - - - - | | | | 1.46 | 2.91 | 2.82 | .88 | .77 | 1.15 | 3.21 | |
| June - - - - | | | | 3.56 | 1.91 | 1.04 | 3.93 | 1.94 | .31 | 1.27 | |
| July - - - - | | | | 1.99 | 1.32 | 1.53 | 2.59 | 4.05 | 0.00 | .79 | |
| August - - - | | | | 3.45 | 1.53 | 5.04 | 4.57 | 2.07 | 3.72 | 2.42 | |
| September - | | | | 4.64 | 3.90 | .22 | 5.59 | 3.39 | 2.06 | 6.22 | |
| October - - | | | | 5.18 | 2.82 | 3.76 | 2.51 | 3.77 | 3.08 | 2.31 | |
| November - | | | | 2.94 | 2.55 | 2.17 | 3.63 | 1.26 | 2.03 | 3.67 | |
| December - | | | | 1.89 | 2.12 | .72 | 2.46 | 3.31 | 7.27 | 3.40 | |
| TOTALS - | | | | 32.47 | 27.19 | 23.18 | 34.10 | 30.89 | 27.87 | 32.10 | |

G L C C C C C

Leek

North Stafford

Mr. Robt. Garrow

Dia 3 in

+ Ground 25 feet

+ S.L. 591 ft.

Done - 5.

| YEAR - - | 1860 | 1861 | 1862 | 1863 | 1864 | 1865 | 1866 | 1867 | 1868 | 1869 | MEANS. |
|---------------|-------|-------|-------|-------|-------|-------|-------|------|------|------|--------|
| January - - | 4.50 | 1.25 | 2.54 | 5.25 | 1.98 | 4.08 | 6.06 | | | | |
| February - - | 2.30 | 1.90 | .45 | .67 | 3.45 | 4.95 | 5.28 | | | | |
| March - - - | 4.83 | 7.20 | 2.63 | 2.12 | 4.00 | 5.85 | 4.15 | | | | |
| April - - - | 1.87 | 3.15 | 2.60 | 1.21 | 1.47 | 1.42 | .88 | | | | |
| May - - - - | 4.14 | 1.60 | 2.99 | 2.97 | 2.68 | 1.97 | 1.98 | | | | |
| June - - - - | 6.36 | 3.00 | 2.08 | 4.42 | 2.22 | .31 | 3.81 | | | | |
| July - - - - | 2.62 | 4.05 | 3.62 | 1.60 | 1.28 | 2.53 | 2.53 | | | | |
| August - - - | 4.88 | 2.10 | 2.57 | 5.30 | 1.74 | 6.59 | 6.54 | | | | |
| September - | 3.02 | 4.60 | 2.16 | 5.67 | 3.97 | .22 | 8.07 | | | | |
| October - - - | 5.18 | 1.55 | 3.64 | 6.43 | 1.73 | 6.24 | 4.88 | | | | |
| November - - | 3.10 | 3.95 | .87 | 5.91 | 5.39 | 4.70 | 4.84 | | | | |
| December - - | 3.80 | 2.05 | 2.84 | 6.06 | 2.43 | 1.71 | 2.32 | | | | |
| TOTALS - | 46.60 | 36.40 | 28.99 | 47.61 | 32.34 | 41.37 | 51.34 | | | | |

Good drainage Artificial supply of water = 9 gallons
per day total supply should be 40 gallons per head

Kudyard Reservoir

60

Stafford.

Jat Jones Esq. C.E.

5 in + ground 10 ft + Sea Level 500 ft
 12 ft 7 in = 66 67 68
 over - 5.

| YEAR - - | 1860 | 1861 | 1862 | 1863 | 1864 | 1865 | 1866 | 1867 | 1868 | 1869 | MEANS. |
|--------------|------|------|------|-------|-------|-------|-------|-------|-------|-------|--------|
| January - - | | | | 4.72 | 1.30 | 1.51 | 3.63 | 4.57 | 3.46 | 3.12 | |
| February - - | | | | .40 | 3.04 | 2.74 | 2.55 | 2.28 | 2.02 | 3.18 | |
| March - - - | | | | 1.62 | 2.28 | 1.37 | 2.35 | 1.63 | 3.72 | 1.38 | |
| April - - - | | | | 1.45 | 1.15 | 1.61 | .73 | 4.24 | 1.93 | 1.94 | |
| May - - - - | | | | 1.84 | 2.69 | 2.89 | 1.34 | 1.07 | 1.02 | 3.35 | |
| June - - - - | | | | 4.45 | 2.51 | .83 | 3.69 | 1.90 | .33 | 1.37 | |
| July - - - - | | | | 2.16 | 1.81 | 2.45 | 2.57 | 3.99 | 0.00 | .65 | |
| August - - - | | | | 4.27 | 2.04 | 6.12 | 4.41 | 2.06 | 3.97 | 2.74 | |
| September - | | | | 5.02 | 3.86 | .23 | 5.88 | 4.04 | 2.04 | 5.98 | |
| October - - | | | | 5.23 | 1.73 | 4.31 | 2.59 | 4.82 | 4.41 | 2.51 | |
| November - | | | | 3.53 | 3.48 | 2.09 | 5.44 | 1.52 | 1.62 | 3.26 | |
| December - | | | | 2.16 | 2.37 | 1.01 | 2.68 | 3.80 | 7.19 | 4.07 | |
| TOTALS - | | | | 36.85 | 28.26 | 27.16 | 37.86 | 35.86 | 31.71 | 33.55 | |

c e c c c c c

RAINFALL AT St Malvern

W J Birrows

Worcester

Rain { By

Gauge { Diameter.....5.....in.

Height above Ground, ft. 11 in.

Above Mean Sea Level, 522 ft.

Severn, Right Bank

| YEAR | | | | | | | | 1867 | 1868 | 1869 | MEANS. |
|----------------|--|--|--|--|--|--|--|-----------------|-------|-------|--------|
| January | | | | | | | | 3 53 | 2.57 | 5.06 | |
| February | | | | | | | | 1.78 | 1.67 | 2.84 | |
| March | | | | | | | | 3.86 | 1.66 | 1.45 | |
| April | | | | | | | | 2.81 | 2.23 | 1.62 | |
| May | | | | | | | | 3.03 | 2.31 | 5.90 | |
| June | | | | | | | | 1.06 | .36 | 1.25 | |
| July | | | | | | | | 2.47 | 1.19 | .60 | |
| August | | | | | | | | 2.09 | 5.13 | 1.21 | |
| September ... | | | | | | | | 2.89 | 3.20 | 5.80 | |
| October | | | | | | | | 2.66 | 2.12 | 1.83 | |
| November ... | | | | | | | | 1.30 | 2.29 | 2.41 | |
| December | | | | | | | | 1.19 | 6.09 | 4.12 | |
| TOTALS..... | | | | | | | | 28.67 | 30.82 | 34.09 | |

c c c

Malvern

Gagebo

Jas Williams M.D.

Worcester

2 in w/61
5

+ ground 4 ft

+ Sea Level 450 ft

Severn, Right Bank -- 1

500

65
63

| YEAR - - | 1860 | 1861 | 1862 | 1863 | 1864 | 1865 | 1866 | 1867 | 1868 | 1869 | MEANS. |
|--------------|------|-------|-------|-------|-------|-------|-------|-------|------|------|--------|
| January - - | # | 1.77 | 1.75 | 2.48 | 1.30 | 2.20 | 2.36 | | | | |
| February - - | | .56 | .58 | .47 | 1.11 | 2.26 | 2.72 | | | | |
| March - - - | | .25 | 3.10 | .77 | 2.73 | .79 | 1.56 | | | | |
| April - - - | | .99 | 2.34 | 1.15 | 1.24 | 1.43 | 1.24 | | | | |
| May - - - - | | 2.48 | 3.75 | .56 | 1.49 | 2.89 | .82 | | | | |
| June - - - - | | 5.33 | 1.67 | 4.10 | 1.25 | 1.75 | 3.29 | | | | |
| July - - - - | | 2.50 | 1.62 | .95 | .83 | 3.33 | 1.39 | | | | |
| August - - - | | 6.05 | 1.58 | 2.50 | .50 | 3.25 | 3.43 | | | | |
| September - | | .85 | 2.60 | 2.59 | 3.15 | .12 | 5.79 | | | | |
| October - - | | 1.72 | 2.65 | 2.98 | 1.87 | 4.41 | 3.05 | | | | |
| November - | | 1.70 | .43 | 2.16 | 2.01 | 2.99 | 1.51 | | | | |
| December - | | 2.25 | 1.30 | 1.02 | 2.07 | 1.39 | 1.66 | | | | |
| TOTALS - | | 20.45 | 23.37 | 21.73 | 19.55 | 26.81 | 28.82 | 26.45 | | | |

C C C C C C #

1867 Entered from Annual

1869 Monthly Report on the State of the River Severn
from the 1st of July 1870 to the 31st of June 1871

West Malvern

A. H. Hartland

Worcester

8 in flume + ground 1 ft 6 in.

+ Sea Level 900 ft

Severn, Right Bank -- 1

| YEAR - - | 1860 | 1861 | 1862 | 1863 | 1864 | 1865 | 1866 | 1867 | 1868 | 1869 | MEANS. |
|--------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| January - - | | | 2.11 | 2.99 | 1.31 | 1.56 | 2.08 | 3.14 | 2.60 | 5.39 | |
| February - - | | | 1.39 | .66 | 1.61 | 2.07 | 2.86 | 2.23 | 1.56 | 3.28 | |
| March - - - | | 2.55 | 4.30 | 1.25 | 2.64 | .91 | 1.89 | 4.13 | 1.27 | 1.30 | |
| April - - - | | 1.23 | 2.76 | 1.31 | 1.37 | 1.45 | 1.35 | 1.89 | 2.21 | 1.82 | |
| May - - - | | 1.23 | 4.05 | .82 | 1.43 | 2.91 | .90 | 3.02 | 2.15 | 5.51 | |
| June - - - | | 2.17 | 2.47 | 4.87 | 1.38 | 2.17 | 3.63 | .96 | .36 | 1.16 | |
| July - - - | | 4.50 | 2.21 | .92 | .86 | 3.36 | 1.34 | 3.21 | 1.07 | .53 | |
| August - - | | 1.01 | 1.83 | 2.64 | .37 | 3.41 | 3.82 | 2.40 | 5.47 | 1.14 | |
| September - | | 2.64 | 4.34 | 3.17 | 3.59 | .13 | 5.33 | 2.68 | 2.50 | 3.21 | |
| October - - | | 2.15 | 3.83 | 5.25 | 2.37 | 4.36 | 2.99 | 2.01 | 2.68 | 3.96 | |
| November - | | 2.50 | .90 | 2.35 | 2.47 | 2.98 | 1.47 | 1.85 | 2.07 | 1.83 | |
| December - | | 1.89 | 1.70 | 1.00 | 2.96 | 1.71 | 1.72 | 1.07 | 6.11 | 4.55 | |
| TOTALS - | | | 31.89 | 27.23 | 22.36 | 27.02 | 29.38 | 28.59 | 30.25 | 33.68 | |

1864 h to m 2.47 1.03

1869 The return is for 53 weeks - from 27th of Dec. 1868
to 1st of Jan'y 1870 both included

Worcester

J. S. Wall
James Ball

Worcester

5 in 63

+ Ground 7 in

+ Sea Level 125 ft

Severn, Right Bank -- 1

| YEAR - - | 1860 | 1861 | 1862 | 1863 | 1864 | 1865 | 1866 | 1867 | 1868 | 1869 | MEANS. |
|--------------|-------|-------|-------|-------|-------|------|------|------|------|------|--------|
| January - - | 2.79 | .96 | 2.72 | 2.96 | 1.11 | | | | | | |
| February - - | .49 | 2.83 | .79 | .53 | 1.12 | | | | | | |
| March - - - | 1.70 | 2.53 | 3.68 | .88 | 2.50 | | | | | | |
| April - - - | 1.37 | 1.36 | 2.18 | 1.28 | 1.01 | | | | | | |
| May - - - | 2.49 | 1.11 | 5.86 | .55 | 1.67 | | | | | | |
| June - - - | 6.56 | 2.57 | 2.56 | 3.92 | .81 | | | | | | |
| July - - - | 1.73 | 4.62 | 2.13 | .70 | .69 | | | | | | |
| August - - - | 4.93 | .60 | 1.52 | 2.74 | .37 | | | | | | |
| September - | 2.52 | 2.68 | 4.71 | 2.21 | 2.95 | | | | | | |
| October - - | 1.73 | 1.78 | 3.62 | 3.38 | 1.92 | | | | | | |
| November - | 2.21 | 2.25 | .72 | 2.06 | 1.98 | | | | | | |
| December - | 5.94 | 1.58 | 1.81 | .97 | 2.72 | | | | | | |
| TOTALS - | 34.46 | 24.87 | 32.30 | 22.18 | 18.85 | | | | | | |

e e e c e
 e e e c e

Orleton

Worcester

Thos. Henry Davis Esq. May 1st No 90

Diam 5 in + ground 9 in + Sea Level 200 ft
Severn, Right Bank -- 1

| YEAR - - | 1860 | 1861 | 1862 | 1863 | 1864 | 1865 | 1866 | 1867 | 1868 | 1869 | MEANS. |
|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---------|
| January - - | 3.45 | 1.03 | 3.33 | 3.48 | 1.31 | 2.58 | 3.00 | 3.83 | 3.07 | 4.53 | 2.961 + |
| February - - | .48 | 3.06 | .66 | .82 | 1.73 | 2.66 | 3.02 | 2.13 | 2.21 | 2.90 | 1.967 |
| March - - | 2.05 | 3.55 | 4.16 | 1.11 | 2.51 | 1.13 | 2.30 | 3.84 | 1.76 | 1.79 | 2.420 |
| April - - | 1.31 | 1.07 | 3.17 | 1.21 | 1.38 | 1.10 | 1.69 | 3.10 | 1.80 | 1.47 | 1.730 - |
| May - - | 2.17 | 1.32 | 4.54 | .91 | 1.78 | 3.56 | .94 | 2.24 | 2.38 | 5.51 | 2.535 |
| June - - | 7.25 | 3.02 | 2.30 | 4.66 | 1.86 | 2.05 | 5.79 | 1.20 | .45 | 1.02 | 2.960 |
| July - - | 1.01 | 6.69 | 2.24 | .86 | .82 | 2.60 | 2.16 | 2.96 | .90 | 1.00 | 2.132 |
| August - - | 5.77 | 1.05 | 2.27 | 2.57 | .79 | 4.80 | 2.98 | 2.19 | 4.60 | 1.20 | 2.822 |
| September - | 2.53 | 2.59 | 4.22 | 3.97 | 2.69 | .11 | 6.68 | 1.79 | 2.99 | 5.51 | 3.308 |
| October - - | 2.36 | 1.72 | 4.14 | 4.09 | 2.23 | 4.83 | 2.66 | 3.20 | 2.24 | 2.06 | 2.953 |
| November - | 2.98 | 2.75 | 1.20 | 2.52 | 2.36 | 2.98 | 1.66 | 1.19 | 1.90 | 2.37 | 2.191 |
| December - | 5.53 | 1.96 | 2.08 | 1.47 | 2.33 | 1.40 | 1.74 | 1.60 | 6.65 | 4.45 | 2.921 |
| TOTALS - | 36.89 | 29.01 | 34.31 | 27.67 | 21.79 | 29.80 | 34.62 | 29.27 | 30.95 | 33.81 | 30.900 |

+ 6 6 6 6 6 6 6 6 6 6 6 6

RAINFALL AT *Worcester Gas Works*

Rain { By *J. M. Gosling*
Gauge { *Barometer*
Diameter.....*10*.....in.

Worcester

Height above Ground, *5*... ft. *3*... in. Above Mean Sea Level, ft.

Severn, Left Bank -- 2

| YEAR | 1860 | 1861 | 1862 | 1863 | 1864 | 1865 | 1866 | 1867 | 1868 | 1869 | MEANS. |
|----------------|------|------|------|------|------|-------|-------|-------|-------|-------|--------|
| January | | | | | # | 2.34 | 1.73 | 2.65 | 2.02 | 3.86 | |
| February | | | | | | 1.75 | 2.25 | 1.74 | 1.05 | 1.79 | |
| March | | | | | | .84 | 1.20 | 3.92 | 1.71 | 1.42 | |
| April | | | | | | .99 | 1.58 | 1.91 | 2.16 | 1.79 | |
| May | | | | | | 2.14 | .89 | 1.72 | 1.97 | 3.78 | |
| June | | | | | | 1.58 | 4.25 | 1.12 | .20 | 1.07 | |
| July | | | | | | 3.33 | 1.35 | 3.21 | 1.00 | .74 | |
| August | | | | | | 3.01 | 3.70 | 1.42 | 3.66 | 2.06 | |
| September ... | | | | | | .18 | 3.23 | 2.32 | 2.24 | 2.06 | |
| October | | | | | | 4.59 | 2.63 | 2.16 | 1.58 | 2.48 | |
| November ... | | | | | | 2.49 | 1.73 | 1.28 | 1.61 | 1.81 | |
| December | | | | | | 1.42 | 1.33 | 1.15 | 5.06 | 3.23 | |
| TOTALS | | | | | | 22.66 | 25.87 | 24.60 | 24.26 | 26.09 | |

c c c c c

1865 Gauge in centre of lawn
but not used

1868 Heavy floods in December

Worcester

Lark Hill

Wilson Burgess

Worcester

5 in + ground 1 ft + Sea Level 160 ft

Severn, Left Bank -- 2

| YEAR - - | 1860 | 1861 | 1862 | 1863 | 1864 | 1865 | 1866 | 1867 | 1868 | 1869 | MEANS. |
|---------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---------|
| January - - | 2.79 | .58 | 2.66 | 2.92 | 1.01 | 3.19 | 2.08 | 3.69 | 2.54 | 4.65 | 2.611 |
| February - - | .57 | 3.08 | .59 | .72 | 1.58 | 1.99 | 2.50 | 1.74 | 1.52 | 2.70 | 1.699 |
| March - - - | 1.92 | 2.64 | 4.02 | .72 | 2.63 | .83 | 1.41 | 3.65 | 1.59 | 1.37 | 2.078 |
| April - - - | 1.20 | 1.38 | 2.04 | 1.24 | 1.19 | 1.09 | 1.46 | 1.74 | 2.28 | 1.26 | 1.488 |
| May - - - - | 3.94 | 1.13 | 5.44 | .62 | 1.85 | 2.25 | 2.57 | 2.00 | 1.79 | 5.11 | 2.670 |
| June - - - - | 9.90 | 2.13 | 2.15 | 3.73 | 1.00 | 1.88 | 3.11 | 1.41 | .41 | 1.23 | 2.695 |
| July - - - - | 2.11 | 4.67 | 1.89 | .65 | .72 | 4.11 | 1.59 | 3.59 | 1.09 | .30 | 2.072 |
| August - - - | 4.70 | .39 | 2.01 | 3.46 | .37 | 2.99 | 3.70 | 1.91 | 4.26 | 1.34 | 2.513 |
| September - | 2.81 | 2.53 | 3.75 | 3.07 | 2.65 | .10 | 5.40 | 2.86 | 2.67 | 5.33 | 3.117 + |
| October - - - | 1.83 | 1.40 | 3.49 | 3.32 | 2.12 | 5.20 | 2.64 | 2.33 | 1.93 | 1.31 | 2.557 |
| November - - | 2.36 | 1.98 | .81 | 2.25 | 2.64 | 2.91 | 1.25 | 1.28 | 1.94 | 2.21 | 1.963 |
| December - - | 4.94 | 1.51 | 1.59 | 1.10 | 2.63 | 1.50 | 1.74 | 1.23 | 5.78 | 3.74 | 2.576 |
| TOTALS - - | 39.07 | 23.42 | 30.44 | 23.80 | 20.39 | 28.04 | 29.45 | 27.43 | 27.80 | 30.55 | 28.039 |

1863 Average (10 years) = 27.31

1865 Gauge on a gentle slope in a garden, about 10 ft from a wall to the north, which wall is about 8 feet high

Further address Beechwood W. Worcester

1867 Agrees with ppt by S. Marshall

Rainfall at *Brinsgrove*

Worcester

George Dipple Esq.

Diameter of Gauge, 1.2..... in. Height above Ground, ^{till Dec '62 35 ft 0 in} _{after Jan '63} 4 ft 4 in. Above Mean Sea Level, 27.3... ft.

Severn, Left Bank -- 2

| YEAR - - | 1860 | 1861 | 1862 | 1863 | 1864 | 1865 | 1866 | 1867 | 1868 | 1869 | MEANS. |
|---------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| January - - | 1.85 | .94 | 3.53 | 2.82 | .87 | .80 | 1.92 | 3.06 | 1.27 | 3.90 | |
| February - - | 3.14 | 2.89 | .72 | .31 | 1.21 | 1.53 | 1.93 | 1.23 | 1.06 | 2.48 | |
| March - - - | | 2.94 | 3.42 | 1.01 | 2.36 | 1.37 | 1.62 | 2.33 | 2.00 | 2.18 | |
| April - - - | .70 | .84 | 2.01 | 1.19 | 1.14 | .68 | 1.20 | 2.22 | 2.06 | 1.67 | |
| May - - - - | 3.20 | .53 | 3.82 | .63 | 1.80 | 2.06 | 2.20 | 1.52 | 2.04 | 4.48 | |
| June - - - - | 6.01 | 2.36 | 1.84 | 3.99 | 1.30 | 1.35 | 3.26 | 1.98 | .30 | .89 | |
| July - - - - | 1.80 | 4.64 | 1.42 | .65 | .85 | 3.16 | 2.47 | 2.48 | .54 | 1.34 | |
| August - - - | 4.66 | .62 | 1.32 | 3.25 | .63 | 4.96 | 2.72 | 2.90 | 6.02 | 1.39 | |
| September - | 2.37 | 3.33 | 3.72 | 3.19 | 2.84 | .14 | 5.17 | 2.81 | 2.65 | 6.12 | |
| October - - - | 1.78 | 1.41 | 2.89 | 2.89 | 1.85 | 6.03 | 2.75 | 2.41 | 1.97 | 1.83 | |
| November - - | 2.30 | 2.84 | .69 | 2.64 | 2.34 | 2.63 | 1.86 | 1.24 | 1.73 | 2.17 | |
| December - - | 2.15 | 2.61 | 1.47 | 1.17 | 2.32 | 1.20 | 1.66 | 1.96 | 6.01 | 2.55 | |
| TOTALS - | 29.96 | 25.95 | 26.85 | 23.74 | 19.71 | 25.91 | 28.76 | 26.11 | 28.45 | 31.00 | 26.644 |

1865 moved at Michaelmas

1860 June 3 1.18

1861 July 20 1.10

1862 Nov 7 .92

1863 Aug 30 1.22

1864 Dec 8 1.01

1868 Jan & July great drought Aug 11 97 in fell in 12 minutes with hail & large lumps of ice. Dec unusually mild a great variety of flowers in bloom at Christmas Day, Thrushes singing on 26 as in mid summer. Hurricane on 27th uprooting the trees.

RAINFALL AT Hagley Rectory
Worcestershire

Observer... Wm. E. Dyball

Rain { By.....
 Gauge {
 Diameter.....in.

Height above Ground,.....ft.....in.

Above Mean Sea Level.....ft.

Severn, Left Bank -- 2

| YEAR..... | | | | | | | | | 1868 | 1869 | MEANS. |
|----------------|--|--|--|--|--|--|--|--|-------|-------|--------|
| January..... | | | | | | | | | 2.42 | 4.26 | |
| February | | | | | | | | | 2.20 | 2.40 | |
| March | | | | | | | | | 2.11 | 1.70 | |
| April | | | | | | | | | 1.98 | 1.54 | |
| May | | | | | | | | | 2.02 | 5.19 | |
| June | | | | | | | | | .47 | 1.18 | |
| July | | | | | | | | | .53 | 1.26 | |
| August | | | | | | | | | 5.13 | 1.34 | |
| September..... | | | | | | | | | 2.90 | 6.95 | |
| October | | | | | | | | | 1.99 | 2.07 | |
| November..... | | | | | | | | | 1.76 | 2.55 | |
| December | | | | | | | | | 5.94 | 3.73 | |
| TOTALS | | | | | | | | | 29.45 | 34.17 | |

1869 Gauge on Lawn sloping away from the house on the
 S.E. side & about 30 yards distant.
 1.50 on 18th Sep. & 1.45 on the 29th of Sep.

Rainfall at *Stourbridge Canal Office.*
Junction near Stourbridge
Robt Leach **Worcester**

Diameter of Gauge, in. Height above Ground, ft. in. Above Mean Sea Level, ft.

Severn, Left Bank -- 2

| YEAR - - | | | | | | 1865 | 1866 | 1867 | 1868 | 1869 | MEANS. |
|---------------|--|--|--|--|--|------|------|------|------|------|--------|
| January - - | | | | | | | | | | | |
| February - - | | | | | | | | | | | |
| March - - - | | | | | | | | | | | |
| April - - - | | | | | | | | | | | |
| May - - - - | | | | | | 3.09 | | | | | |
| June - - - - | | | | | | | | | | | |
| July - - - - | | | | | | | | | | | |
| August - - - | | | | | | | | | | | |
| September - | | | | | | | | | | | |
| October - - - | | | | | | | | | | | |
| November - | | | | | | | | | | | |
| December - | | | | | | | | | | | |
| TOTALS - | | | | | | | | | | | |

C

Wollescot Hall Stowbridge

Worcester.

W Hartley King

Severn, Left Bank -- 2

+ Ground 9 in

+ Sea Level 472 ft

| YEAR - - | 1860 | 1861 | 1862 | 1863 | 1864 | 1865 | 1866 | 1867 | 1868 | 1869 | MEANS. |
|--------------|------|------|------|------|------|--------|------|------|------|------|--------|
| January - - | | | | | | # 2.67 | | | | | |
| February - - | | | | | | 3.17 | | | | | |
| March - - - | | | | | | 1.13 | | | | | |
| April - - - | | | | | | .53 | | | | | |
| May - - - - | | | | | | 2.61 | | | | | |
| June - - - - | | | | | | # | | | | | |
| July - - - - | | | | | | 1.29 | | | | | |
| August - - - | | | | | | 4.02 | | | | | |
| September - | | | | | | .17 | | | | | |
| October - - | | | | | | 5.36 | | | | | |
| November - | | | | | | 1.94 | | | | | |
| December - | | | | | | .92 # | | | | | |
| TOTALS - | | | | | | | | | | | |

* June 1865 gauge out of order

RAINFALL AT *Dursley Manor 15 m. from Glosbury Mortimer* *Stowbridge*

Worcester.
~~Staffordshire.~~

By *James Bourne*
Rain {
Gauge { Diameter.....*5*.....in.

Height above Ground, ft. *12* in.

Above Mean Sea Level, ft. *301.69*

Severn Left Bank - 2.

| YEAR | 1860 | 1861 | 1862 | 1863 | 1864 | 1865 | 1866 | 1867 | 1868 | 1869 | MEANS. |
|----------------|------|------|------|------|------|-----------|-----------|-------|-------|-------|--------|
| January | | | | | | | 2.28 | 3.10 | 2.38 | 3.29 | |
| February | | | | | | | 1.82 | 1.88 | 2.28 | 2.14 | |
| March | | | | | | | 1.42 | 2.80 | 1.72 | 1.31 | |
| April | | | | | | <i>67</i> | <i>72</i> | 2.14 | 2.16 | 1.28 | |
| May | | | | | | 3.21 | 1.59 | 1.90 | 1.55 | 4.28 | |
| June | | | | | | 1.68 | 3.17 | 1.43 | .44 | 1.36 | |
| July | | | | | | 2.65 | 2.22 | 2.77 | .53 | .69 | |
| August | | | | | | 3.96 | 3.55 | 1.70 | 4.92 | 1.14 | |
| September ... | | | | | | .15 | 4.60 | 2.28 | 2.31 | 4.85 | |
| October | | | | | | 5.58 | 2.62 | 2.73 | 1.94 | 1.81 | |
| November ... | | | | | | 2.33 | 1.98 | 1.20 | 1.40 | 2.41 | |
| December | | | | | | 1.18 | 1.49 | 1.42 | 5.45 | 4.01 | |
| TOTALS..... | | | | | | | 27.46 | 25.35 | 27.08 | 28.57 | |

c c c e e

in large garden, free from trees

1869 The height of the gauge has been correctly ascertained to be 301 ft. I shall leave here in March 1870

Northwick Park

Moreton in Marsh

Lord Northwick

his return

Worcester

8 in + Ground 1 ft 6

Upper Avon -- 3

| YEAR - - | 1860 | 1861 | 1862 | 1863 | 1864 | 1865 | 1866 | 1867 | 1868 | 1869 | MEANS. |
|---------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---------|
| January - - | 3.38 | 1.94 | 1.97 | 3.45 | 1.20 | 2.47 | 2.84 | 2.24 | 2.88 | 5.24 | 2.761 |
| February - - | .97 | 3.04 | 1.20 | .55 | 1.60 | 3.01 | 2.95 | 2.47 | 2.18 | 2.22 | 2.019 |
| March - - - | 3.11 | 2.06 | 4.67 | .67 | 3.63 | 1.11 | 2.11 | 3.52 | 1.58 | 1.89 | 2.435 |
| April - - - - | 1.13 | 1.21 | 2.55 | .72 | 1.77 | 1.44 | 2.11 | 2.23 | 1.68 | 1.93 | 1.677 - |
| May - - - - | 2.31 | 1.46 | 4.76 | .68 | 2.11 | 1.88 | .99 | 1.81 | 1.16 | 3.64 | 2.080 |
| June - - - - | 5.70 | 3.24 | 3.41 | 4.63 | 1.29 | .65 | 3.47 | 2.09 | .00 | 1.42 | 2.590 |
| July - - - - | 2.04 | 2.64 | 2.33 | .78 | .41 | 6.21 | 2.55 | 2.28 | 1.04 | .08 | 2.036 |
| August - - - | 3.86 | 1.03 | 1.89 | 2.06 | .36 | 3.11 | 2.29 | 1.97 | 1.55 | 3.0 | 1.842 |
| September - | 3.40 | 2.53 | 2.07 | 2.60 | 2.70 | .08 | 8.77 | 1.94 | 1.96 | 3.17 | 2.922 + |
| October - - | 1.98 | 1.24 | 2.93 | 3.91 | 2.24 | 5.43 | 2.13 | 1.97 | 3.39 | 3.37 | 2.859 |
| November - | 3.27 | 3.14 | 1.00 | 2.70 | 2.47 | 2.89 | 2.25 | 1.60 | 2.30 | 2.47 | 2.409 |
| December - | 1.10 | 1.71 | 1.42 | 1.05 | 3.30 | 2.07 | 2.13 | 1.86 | 4.24 | 4.99 | 2.387 |
| TOTALS - | 32.25 | 25.24 | 30.20 | 23.80 | 23.08 | 30.35 | 34.59 | 25.98 | 23.96 | 30.72 | 28.017 |

+c

c

c

c

c

c

c

c

c

c

c

c

c

Rainfall at Evesham (Dunsdowne)

Worcester

124 68 69

120 67

98 66

R. Burlingham Esq.

Lat 52° 6' north. Long 1° 55' W

Diameter of Gauge, ... $\frac{1}{2}$... in. Height above Ground, ft. 4... in. 6 Above Mean Sea Level, 100? ft.
Horne & Thornthwaite Pedestal

Upper Avon -- 3

| YEAR - - | | | | | | 1865 | 1866 | 1867 | 1868 | 1869 | MEANS. |
|--------------|--|--|--|--|--|-----------|-------|-------|-------|-------|--------|
| January - - | | | | | | 1.41 | 3.12 | 3.36 | 2.17 | 3.38 | |
| February - - | | | | | | | 2.30 | 1.71 | 1.41 | 2.21 | |
| March - - - | | | | | | | 1.57 | 3.18 | 1.40 | 1.54 | |
| April - - - | | | | | | | 2.20 | 2.53 | 1.32 | 1.05 | |
| May - - - - | | | | | | | 2.03 | 2.40 | 1.61 | 4.35 | |
| June - - - - | | | | | | #
1.61 | 2.35 | 1.97 | .15 | 1.61 | |
| July - - - - | | | | | | 4.06 | 2.05 | 2.37 | .90 | .62 | |
| August - - - | | | | | | 2.94 | 3.83 | 1.82 | 3.85 | 1.05 | |
| September - | | | | | | .17 | 7.41 | 1.89 | 1.86 | 4.11 | |
| October - - | | | | | | 4.98 | 2.38 | 2.54 | 1.93 | 1.29 | |
| November - | | | | | | 2.64 | 2.09 | .42 | 1.73 | 1.87 | |
| December - | | | | | | 1.52 | 1.76 | 1.51 | 4.54 | 4.21 | |
| TOTALS - | | | | | | | 33.09 | 25.70 | 22.87 | 27.29 | |

1868 Lowest Bar: 28.652 2 PM 24th D.S. no particular
atmospheric disturbance during or after the rise from
this low point. So I suppose they had with the gale
on the 27th

RAINFALL AT *Alcester (Sarnborne)*

Observer.....*A. Wankfield*.....

Warwick

Rain { By.....
Gauge {

Diameter.....*5*.....in. Height above Ground,.....*1*.....ft.....*2*.....in. Above Mean Sea Level.....ft.

Upper Avon - 1

| YEAR..... | | | | | | | | 1867 | 1868 | 1869 | MEANS. |
|----------------|--|--|--|--|--|--|--|-------------|-------|-------|--------|
| January..... | | | | | | | | | 2.07 | 3.22 | |
| February | | | | | | | | | 1.69 | 2.63 | |
| March | | | | | | | | | 2.52 | 1.79 | |
| April..... | | | | | | | | | 2.19 | 1.20 | |
| May | | | | | | | | | 1.43 | 4.24 | |
| June..... | | | | | | | | | .32 | 1.38 | |
| July | | | | | | | | | .32 | 1.07 | |
| August..... | | | | | | | | | 4.12 | 1.82 | |
| September..... | | | | | | | | | 2.09 | 3.45 | |
| October..... | | | | | | | | <i>2.09</i> | 2.05 | 2.13 | |
| November..... | | | | | | | | .68 | 1.98 | 2.68 | |
| December..... | | | | | | | | 2.10 | 5.98 | 3.60 | |
| TOTALS | | | | | | | | | 26.76 | 29.21 | |

0 5 0

RAINFALL AT Stoutford-on-Avon Viaduct

Lat. Lon. County of Warwick

Rain Gauge, by Observer Rev. J. Smith

UPPER AVON -- 1.

| | | | | | | | | | | | |
|-----------------|------|------|------|------|------|------------------------|------------------------|------------------------|------------------------|------------------------|--------|
| Diameter. | | | | | | | | | | | |
| Height. | | | | | | | | | | | |
| Altitude. | | | | | | | | | | | |
| Year | 1870 | 1871 | 1872 | 1873 | 1874 | 18 75
65 | 18 76
66 | 18 77
67 | 18 78
68 | 18 79
69 | MEANS. |
| January. | | | | | | 6.00 | 6.13 | 4.57 | 4.83 | 2.66 | |
| February. | | | | | | 3.56 | 4.77 | 3.51 | 3.43 | 4.29 | |
| March. | | | | | | 4.01 | 2.72 | 2.14 | 5.40 | 1.79 | |
| April. | | | | | | 1.69 | 1.54 | 4.40 | 2.14 | 2.55 | |
| May. | | | | | | 2.75 | 1.28 | 2.74 | 2.34 | 2.82 | |
| June. | | | | | | 0.52 | 1.54 | 1.24 | 1.05 | 2.50 | |
| July. | | | | | | 2.27 | 2.97 | 8.07 | 0.72 | 2.48 | |
| August. | | | | | | 5.41 | 4.75 | 2.83 | 4.79 | 2.27 | |
| September. | | | | | | 0.48 | 5.21 | 1.65 | 1.64 | 5.54 | |
| October. | | | | | | 3.77 | 2.13 | 7.63 | 3.84 | 3.76 | |
| November. | | | | | | 3.91 | 5.50 | 1.43 | 4.07 | 8.14 | |
| December. | | | | | | 2.04 | 6.06 | 2.95 | 4.08 | 6.55 | |
| TOTALS. | | | | | | 36.41 | 44.60 | 43.16 | 38.33 | 45.34 | |

RAINFALL AT Warwick Barford Rectory Warwick

Observer R. C. Mills

Rain { By Negretti & Gamba

Gauge { Diameter 8 in.

Upper Avon - 1

Height above Ground,ft.in.

Above Mean Sea Levelft.

Warwick

| YEAR..... | 1860 | 1861 | 1862 | 1863 | 1864 | 1865 | 1866 | 1867 | 1868 | 1869 | MEANS. |
|----------------|------|------|------|------|------|------|------|------|-------|-------|--------|
| January..... | | | | | | | | | 2.11 | 3.22 | |
| February..... | | | | | | | | | 1.64 | 1.65 | |
| March..... | | | | | | | | | 1.69 | 1.69 | |
| April..... | | | | | | | | | 1.41 | 1.21 | |
| May..... | | | | | | | | | .91 | 4.05 | |
| June..... | | | | | | | | | .32 | .82 | |
| July..... | | | | | | | | | .21 | .74 | |
| August..... | | | | | | | | | 4.21 | 1.73 | |
| September..... | | | | | | | | | 2.52 | 3.13 | |
| October..... | | | | | | | | | 2.06 | 1.12 | |
| November..... | | | | | | | | | 1.29 | 1.92 | |
| December..... | | | | | | | | | 5.10 | 3.63 | |
| TOTALS | | | | | | | | | 23.47 | 24.91 | |

Seamington

Warwick

S. M. Jones

10 65

8 in. 63 66 67 69

5 + Ground 7.6 in
Upper Avon -- 1

+ Sea Level 195 ft

| YEAR - - | 1860 | 1861 | 1862 | 1863 | 1864 | 1865 | 1866 | 1867 | 1868 | 1868 | MEANS. |
|--------------|------|------|--------|-------|-------|-------|-------|-------|-------|-------|--------|
| January - - | | | # 2.54 | 2.60 | 1.00 | 2.73 | 1.73 | 3.07 | 2.06 | 2.80 | |
| February - - | | | 63 .45 | 1.76 | 2.57 | 1.37 | 1.40 | 1.83 | 1.58 | | |
| March - - - | | | 3.25 | .67 | 2.90 | 1.00 | 1.35 | 3.19 | 1.79 | 95 | |
| April - - - | | | 1.62 | 1.46 | 1.37 | .73 | 1.57 | 2.63 | 1.52 | 1.16 | |
| May - - - - | | | 3.82 | .51 | 1.84 | 1.17 | 1.51 | 2.35 | 1.04 | 4.04 | |
| June - - - - | | | 3.31 | 4.88 | .97 | 2.09 | 1.95 | 1.68 | .30 | 1.02 | |
| July - - - - | | | 2.14 | .57 | .43 | 3.58 | 3.35 | 2.71 | .45 | 1.42 | |
| August - - - | | | 2.06 | 2.44 | .52 | 4.10 | 3.68 | 2.05 | 4.23 | .83 | |
| September - | | | 3.06 | 2.26 | 1.98 | .19 | 5.83 | 3.10 | 2.76 | 3.23 | |
| October - - | | | 2.58 | 2.90 | 2.26 | 4.86 | 1.87 | 2.30 | 2.20 | 1.02 | |
| November - | | | .70 | 2.28 | 1.93 | 2.48 | 1.80 | .58 | 1.40 | 2.17 | |
| December - | | | 1.38 | .80 | 1.91 | .98 | 1.54 | 1.74 | 5.06 | 3.41 | |
| TOTALS - | | | 27.07 | 21.82 | 18.87 | 26.48 | 27.55 | 26.80 | 24.64 | 23.63 | |

1868 Max: Temp: July 22nd 93° 2 on same day at
1 PM Dry bulb 91.0 Wet bulb 71.0

RAINFALL AT

*Stretton Fields**J. J. Scott*

Warwick

Rain { By.....

Gauge { Diameter.....*5*.....in.Height above Ground, ft. *6*... in.

Above Mean Sea Level, ft.

Trent, Right Bank -- 4

| YEAR..... | | | | | | | 1866 | 1867 | 1868 | 1869 | MEANS. |
|----------------|--|--|--|--|--|--|--------------|--------------|--------------|--------------|--------|
| January | | | | | | | <i>2.11</i> | <i>3.35</i> | <i>1.84</i> | <i>2.99</i> | |
| February | | | | | | | <i>2.50</i> | <i>1.31</i> | <i>1.59</i> | <i>2.06</i> | |
| March | | | | | | | <i>1.32</i> | <i>2.80</i> | <i>2.24</i> | <i>1.76</i> | |
| April | | | | | | | <i>1.30</i> | <i>2.69</i> | <i>1.20</i> | <i>1.37</i> | |
| May | | | | | | | <i>1.90</i> | <i>2.14</i> | <i>.80</i> | <i>4.55</i> | |
| June..... | | | | | | | <i>2.00</i> | <i>2.05</i> | <i>.24</i> | <i>1.49</i> | |
| July | | | | | | | <i>2.34</i> | <i>2.49</i> | <i>.08</i> | <i>.58</i> | |
| August..... | | | | | | | <i>4.68</i> | <i>2.64</i> | <i>5.06</i> | <i>1.08</i> | |
| September ... | | | | | | | <i>5.77</i> | <i>2.57</i> | <i>2.22</i> | <i>2.96</i> | |
| October..... | | | | | | | <i>2.33</i> | <i>3.01</i> | <i>2.38</i> | <i>.90</i> | |
| November..... | | | | | | | <i>2.37</i> | <i>.63</i> | <i>1.74</i> | <i>2.07</i> | |
| December..... | | | | | | | <i>2.03</i> | <i>1.60</i> | <i>3.78</i> | <i>3.46</i> | |
| TOTALS | | | | | | | <i>30.65</i> | <i>27.28</i> | <i>23.17</i> | <i>25.47</i> | |

1869 Rain very unequally distributed May being eight times greater than in July

RAINFALL AT *Arden House Henley in Arden*

Warwick

52-18-N
1-46-W
400 68 69
400 67
450 66

Geo. Dartnall

Rain { By
Gauge { Diameter.....*5*.....in.

Height above Ground, *2*.... ft. in.

Above Mean Sea Level, *300*.... ft.

Upper Avon -- I

| YEAR | 1860 | 1861 | 1862 | 1863 | 1864 | 1865 | 1866 | 1867 | 1868 | 1869 | MEANS. |
|----------------|------|------|------|------|------|--------------|--------------|--------------|--------------|--------------|--------|
| January | | | | | | <i>1.87</i> | <i>1.78</i> | <i>3.37</i> | <i>2.28</i> | <i>3.49</i> | |
| February | | | | | | <i>1.80</i> | <i>2.37</i> | <i>1.20</i> | <i>1.83</i> | <i>1.87</i> | |
| March | | | | | | <i>1.15</i> | <i>1.32</i> | <i>2.73</i> | <i>1.98</i> | <i>2.14</i> | |
| April | | | | | | <i>.59</i> | <i>2.00</i> | <i>2.42</i> | <i>1.67</i> | <i>1.06</i> | |
| May | | | | | | <i>1.96</i> | <i>1.90</i> | <i>1.89</i> | <i>1.06</i> | <i>4.63</i> | |
| June | | | | | | <i>1.70</i> | <i>2.52</i> | <i>1.87</i> | <i>.30</i> | <i>.73</i> | |
| July | | | | | | <i>2.57</i> | <i>2.68</i> | <i>3.41</i> | <i>.20</i> | <i>.87</i> | |
| August | | | | | | <i>3.58</i> | <i>3.32</i> | <i>1.55</i> | <i>4.87</i> | <i>.89</i> | |
| September ... | | | | | | <i>.14</i> | <i>5.67</i> | <i>1.90</i> | <i>2.57</i> | <i>3.18</i> | |
| October | | | | | | <i>4.90</i> | <i>2.48</i> | <i>2.17</i> | <i>1.95</i> | <i>1.24</i> | |
| November ... | | | | | | <i>2.51</i> | <i>1.88</i> | <i>.94</i> | <i>1.72</i> | <i>2.12</i> | |
| December | | | | | | <i>1.25</i> | <i>1.42</i> | <i>1.71</i> | <i>5.66</i> | <i>3.45</i> | |
| TOTALS | | | | | | <i>24.02</i> | <i>29.34</i> | <i>25.16</i> | <i>26.03</i> | <i>25.67</i> | |

C C C C C

1865 6 m. Lawn free 1/4 m S of Henley in Arden

Stoneleigh Abbey

Mr. J. Bowick

Warwick

Upper Avon -- 1

+ ground 1^{ft}

8 in 62

+ Sea Level

| YEAR - - | 1860 | 1861 | 1862 | 1863 | 1864 | | | | | | MEANS. |
|--------------|-------|-------|-------|------|------|--|--|--|--|--|--------|
| January - - | 2.25 | .48 | 2.55 | | | | | | | | |
| February - - | 1.02 | 1.63 | .53 | | | | | | | | |
| March - - - | 2.15 | 3.23 | 3.06 | | | | | | | | |
| April - - - | .50 | .80 | 2.18 | | | | | | | | |
| May - - - - | 3.60 | 1.06 | 3.16 | | | | | | | | |
| June - - - - | 5.70 | 3.01 | 2.18 | | | | | | | | |
| July - - - - | 1.95 | 4.30 | 1.93 | | | | | | | | |
| August - - - | 4.42 | .63 | 2.52 | | | | | | | | |
| September - | 2.58 | 1.97 | 3.44 | | | | | | | | |
| October - - | 1.88 | 2.16 | 2.38 | | | | | | | | |
| November - | 2.68 | 2.22 | .76 | | | | | | | | |
| December - | 2.43 | 1.15 | 1.26 | | | | | | | | |
| TOTALS - | 31.24 | 22.64 | 25.95 | | | | | | | | |

J. C. J.

1861 May 19th E. Bowick of Stoneleigh Abbey
 a horse killed at the station & a water pump
 split by the same place
 1862 July 22 225 per acre day
 1863 2 1/2 ft high in the 1st of March for 100 days about
 2 inches up from the ground to the end of the spring
 was only enough to be used by a horse for 100 days
 and for the necessary, though I believe it to be enough

Rugby

Warwick

Frederick Fuller Esq.

52° 22' N
1° 15' W

68-385-67

050

380 65

12 in + Ground 2¹/₄ in + Sea Level 315 ft

Upper Avon -- 1

| YEAR - - | 1860 | 1861 | 1862 | 1863 | 1864 | 1865 | 1866 | 1867 | 1868 | 1869 | MEANS. |
|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---------|--------|
| January - - | 2.56 | 1.37 | 2.29 | 2.07 | .92 | 2.04 | 2.15 | 3.09 | 2.34 | 3.26 | |
| February - - | .84 | 1.52 | .39 | .45 | 1.45 | 2.17 | 2.58 | 1.42 | 1.54 | 2.26 | |
| March - - - | 1.89 | 2.07 | 3.58 | .31 | 2.81 | 1.22 | 1.22 | 2.57 | 2.08 | 1.43 | |
| April - - - | 1.21 | .55 | 1.56 | 1.41 | 1.48 | .68 | 1.23 | 2.37 | 1.40 | 1.35 | |
| May - - - - | 2.96 | 1.03 | 2.34 | .44 | 1.39 | 1.62 | 1.39 | 2.39 | .53 | 3.22 | |
| June - - - - | 5.36 | 1.88 | 3.32 | 3.72 | .87 | 2.47 | 2.33 | 3.25 | .26 | 2.41 | |
| July - - - - | 1.40 | 4.62 | 1.89 | .66 | .27 | 3.85 | 3.14 | 2.46 | .30 | .22 | |
| August - - - | 3.16 | .85 | 1.90 | 2.02 | .73 | 3.47 | 4.08 | 3.43 | 3.34 | 1.43 | |
| September - | 2.51 | 1.97 | 3.28 | 2.23 | 1.36 | .24 | 6.20 | 3.49 | 2.16 | 3.34 | |
| October - - | 2.29 | 1.23 | 2.59 | 2.13 | 1.67 | 4.60 | 1.97 | 2.69 | 2.28 | | |
| November - | 2.01 | 2.51 | .75 | 1.97 | 1.65 | 2.29 | 1.74 | .49 | 1.44 | | |
| December - | 1.35 | 1.22 | 1.30 | 1.10 | 1.79 | 1.29 | 1.87 | 1.86 | 5.48 | | |
| TOTALS - | 27.54 | 20.82 | 25.19 | 18.51 | 16.39 | 25.94 | 29.90 | 29.57 | 23.15 | (25.92) | |

1864 May 19th & Chimney of Town Hall struck
a horse killed at the station & a wooden post
split by the same flash

1865 6th July = 2.035 preceding day

1869 I left Rugby on the 4th of March for Avon Lodge about
2 miles off from that time to the end of Sept. the Gauge
was only emptied monthly & that by a deputy, so that I cannot
vouch for the accuracy, though I believe it to be correct

RAINFALL AT LeventryObserver.....John Gulson Esq.

Warwick

Rain { By R. & ZGauge { Diameter.....0.....in.

Height above Ground.....ft.....in.

Above Mean Sea Level.....ft.

Upper Avon -- 1

| YEAR..... | | | | | | | | 1867 | 1868 | 1869 | MEANS. |
|----------------|--|--|--|--|--|--|--|-------|-------|-------|--------|
| January..... | | | | | | | | 3.68 | 2.13 | 3.30 | |
| February | | | | | | | | 1.58 | 1.51 | 2.49 | |
| March | | | | | | | | 3.45 | 2.85 | 1.89 | |
| April..... | | | | | | | | 2.58 | 1.72 | 1.34 | |
| May | | | | | | | | 2.30 | 1.09 | 5.23 | |
| June..... | | | | | | | | 1.74 | .37 | 1.31 | |
| July | | | | | | | | 1.82 | .19 | .54 | |
| August..... | | | | | | | | 2.04 | 4.87 | 1.22 | |
| September..... | | | | | | | | 3.16 | 3.06 | 2.54 | |
| October | | | | | | | | 2.80 | 2.47 | 1.46 | |
| November..... | | | | | | | | .48 | 1.56 | 2.17 | |
| December | | | | | | | | 2.14 | 5.62 | 3.86 | |
| TOTALS | | | | | | | | 27.77 | 27.44 | 27.35 | |

C C C

RAINFALL AT *Radford**1 mile from Coventry**Miss A. H. Atkins**Warwick*Rain { By *h. l. z.*
Gauge { Diameter.....*0.5* in.Height above Ground, ft. *9* in.Above Mean Sea Level, *305* ft.*Upper Avon -- 1*

| YEAR | 1860 | 1861 | 1862 | 1863 | 1864 | 1865 | 1866 | 1867 | 1868 | 1869 | MEANS. |
|----------------|------|------|------|-------------|--------------|--------------|--------------|--------------|--------------|--------------|--------|
| January | | | | <i>0</i> | <i>1.15</i> | <i>2.29</i> | <i>1.96</i> | <i>3.18</i> | <i>1.99</i> | <i>2.82</i> | |
| February | | | | <i>.25</i> | <i>2.06</i> | <i>2.22</i> | <i>2.37</i> | <i>1.26</i> | <i>1.67</i> | <i>2.02</i> | |
| March | | | | <i>.84</i> | <i>3.23</i> | <i>1.04</i> | <i>1.38</i> | <i>2.48</i> | <i>2.08</i> | <i>1.82</i> | |
| April | | | | <i>1.62</i> | <i>1.59</i> | <i>1.93</i> | <i>1.11</i> | <i>2.44</i> | <i>1.57</i> | <i>1.22</i> | |
| May | | | | <i>.59</i> | <i>1.25</i> | <i>1.76</i> | <i>.93</i> | <i>1.91</i> | <i>.89</i> | <i>4.45</i> | |
| June | | | | <i>4.59</i> | <i>1.63</i> | <i>2.51</i> | <i>2.70</i> | <i>2.71</i> | <i>.35</i> | <i>1.35</i> | |
| July | | | | <i>.75</i> | <i>.55</i> | <i>3.39</i> | <i>2.31</i> | <i>2.45</i> | <i>.17</i> | <i>.92</i> | |
| August | | | | <i>2.64</i> | <i>.89</i> | <i>4.03</i> | <i>3.78</i> | <i>2.10</i> | <i>4.23</i> | <i>.83</i> | |
| September ... | | | | <i>2.31</i> | <i>2.05</i> | <i>.26</i> | <i>5.36</i> | <i>2.97</i> | <i>2.59</i> | <i>2.61</i> | |
| October | | | | <i>2.73</i> | <i>2.17</i> | <i>5.18</i> | <i>2.16</i> | <i>2.87</i> | <i>2.08</i> | <i>.98</i> | |
| November ... | | | | <i>2.24</i> | <i>2.44</i> | <i>2.82</i> | <i>1.82</i> | <i>.53</i> | <i>1.32</i> | <i>1.94</i> | |
| December | | | | <i>1.31</i> | <i>1.50</i> | <i>1.28</i> | <i>1.64</i> | <i>1.71</i> | <i>4.42</i> | <i>3.46</i> | |
| TOTALS..... | | | | | <i>20.31</i> | <i>27.81</i> | <i>27.54</i> | <i>26.61</i> | <i>23.36</i> | <i>24.42</i> | |

*1865 4 in kitchen garden free**1864 March = 3.03*

RAINFALL AT *Walsgrave on Soar*

H W Pininger

Warwick

Rain { By
Gauge {
Diameter.....in.

Height above Ground, *1* ft. in.

Above Mean Sea Level, ft.

Upper Avon -- 1

| YEAR | 1860 | 1861 | 1862 | 1863 | 1864 | 1865 | 1866 | 1867 | 1868 | 1869 | MEANS. |
|----------------|------|------|------|------|------|-------|------|------|------|------|--------|
| January | | | | | | 2.09 | | | | | |
| February | | | | | | 1.88 | | | | | |
| March | | | | | | .87 | | | | | |
| April | | | | | | .59 | | | | | |
| May | | | | | | 1.47 | | | | | |
| June | | | | | | 1.94 | | | | | |
| July | | | | | | 3.49 | | | | | |
| August | | | | | | 4.44 | | | | | |
| September ... | | | | | | .27 | | | | | |
| October | | | | | | 5.11 | | | | | |
| November ... | | | | | | 2.64 | | | | | |
| December | | | | | | .55 | | | | | |
| TOTALS..... | | | | | | 25.34 | | | | | |

Rainfall at Paulton House

Lutterworth Leicestershire

Capt Constable Curtis

Warwick

N 82 Diameter of Gauge, 7..... in. Height above Ground, 2..... ft. in. Above Mean Sea Level, ft.

Upper Avon -- 1

| YEAR - - | 1860 | 1861 | 1862 | 1863 | 1864 | 1865 | 1866 | 1867 | 1868 | 1869 | MEANS. |
|--------------|------|------|------|------|------|--------|-------|-------|-------|-------|--------|
| January - - | | | | | | # 2.72 | 1.64 | 2.93 | 2.17 | 2.98 | |
| February - - | | | | | | 2.14 | 2.83 | 1.44 | 1.69 | 2.15 | |
| March - - - | | | | | | 1.05 | 1.06 | 3.05 | 2.21 | 1.72 | |
| April - - - | | | | | | .61 | 1.30 | 2.48 | 1.38 | 1.38 | |
| May - - - - | | | | | | 1.36 | 1.95 | 2.34 | .65 | 3.90 | |
| June - - - - | | | | | | 2.64 | 1.69 | 2.16 | .23 | 1.93 | |
| July - - - - | | | | | | 3.58 | 2.35 | 2.29 | .19 | .88 | |
| August - - - | | | | | | 4.74 | 3.33 | 2.18 | 4.78 | .97 | |
| September - | | | | | | .27 | 6.70 | 2.73 | 2.00 | 3.06 | |
| October - - | | | | | | 4.86 | 1.73 | 2.94 | 2.98 | .99 | |
| November - | | | | | | 2.82 | 1.95 | .58 | 1.56 | 2.11 | |
| December - | | | | | | 1.13 | 1.97 | 1.70 | 5.05 | 3.68 | |
| TOTALS - | | | | | | 27.97 | 28.50 | 26.82 | 24.89 | 25.75 | |

4 in from High Crop and considered the middle of England

1868 On 6th Aug from 12 at noon to 1.30 PM 1.49 in fall

RAINFALL AT *Stirch Farm Priors Marston*[*Deventry*] *Warwick*Observer *N. B. Russell from Oct 17 1875 N. Russell*Rain { By.....
Gauge {
Diameter.....in. Height above Ground,.....ft.....in. Above Mean Sea Level.....ft.**Warwick***James Cherwell - 3.*

| YEAR..... | 1860 | 1861 | 1862 | 1863 | 1864 | 1865 | 1866 | 1867 | 1868 | 1869 | MEANS. |
|----------------|------|------|------|------|--------|-------|-------|-------|-------|-------|--------|
| January..... | | | | | | 1.96 | 2.79 | 1.92 | 2.96 | 3.78 | |
| February..... | | | | | | 2.54 | 2.71 | 1.33 | 1.17 | 2.43 | |
| March..... | | | | | | 1.03 | 1.10 | 3.49 | 2.82 | 1.47 | |
| April..... | | | | | | .80 | 2.17 | 3.38 | 2.19 | 1.52 | |
| May..... | | | | | # 1.10 | 1.62 | 2.03 | 3.52 | .83 | 4.43 | |
| June..... | | | | | 1.52 | 2.76 | 3.24 | 2.11 | .32 | 1.95 | |
| July..... | | | | | .64 | 5.53 | 2.75 | 3.28 | .70 | .49 | |
| August..... | | | | | .74 | 3.88 | 3.88 | 3.41 | 3.63 | 1.01 | |
| September..... | | | | | 3.46 | .30 | 6.66 | 1.71 | 2.66 | 3.55 | |
| October..... | | | | | 1.97 | 4.73 | 1.91 | 2.78 | 2.80 | 2.03 | |
| November..... | | | | | 2.76 | 2.83 | 1.92 | .36 | 2.13 | 2.15 | |
| December..... | | | | | 1.29 | 1.40 | 1.85 | 2.51 | 5.44 | 3.86 | |
| TOTALS | | | | | | 29.38 | 33.01 | 29.80 | 27.65 | 28.67 | |

RAINFALL AT [Birmingham]

Moseley

Warwick

Observer... J. L. Plant. Esq.~~K. M. M. M.~~

Rain { By.....

Gauge { Diameter.....in.

Height above Ground, 4 ft.....in.Above Mean Sea Level. 481 ft.**Trent, Right Bank -- 4**

| YEAR..... | 1861 | 1862 | 1863 | 1864 | 1865 | 1866 | 1867 | 1868 | 1869 | MEANS. |
|----------------|-------|-------|--------|-------|-------|-------|-------|-------|-------|--------|
| January..... | | | # 2.86 | 1.37 | 3.37 | 2.82 | 4.11 | 2.43 | 4.08 | |
| February | | | .58 | 2.42 | 2.82 | 3.15 | 2.17 | 1.62 | 3.41 | |
| March | | | .87 | 3.55 | 1.65 | 2.38 | 4.17 | 2.90 | 2.18 | |
| April | | | 1.00 | 1.45 | .84 | 1.29 | 2.69 | 2.38 | 1.74 | |
| May | | | .65 | 1.74 | 2.78 | 1.10 | 1.80 | 1.66 | 6.06 | |
| June..... | | | 4.19 | 1.80 | 2.27 | 4.34 | 1.70 | .43 | 1.18 | |
| July | | | .96 | .70 | 5.20 | 2.58 | 2.89 | .35 | .82 | |
| August..... | | | 3.69 | .69 | 4.66 | 4.09 | 2.41 | 6.20 | 1.09 | |
| September..... | | | 2.46 | 3.27 | .20 | 5.67 | 3.51 | 2.71 | 4.77 | |
| October | | | 3.49 | 2.93 | 6.16 | 2.76 | 2.91 | 2.44 | 1.47 | |
| November..... | | | 2.47 | 3.01 | 2.53 | 2.71 | 1.08 | 1.90 | 2.31 | |
| December..... | | | 1.51 | 2.42 | 1.30 | 1.94 | 2.11 | 6.81 | 3.96 | |
| TOTALS | 29.31 | 28.62 | 24.73 | 25.35 | 33.78 | 34.83 | 31.55 | 31.83 | 33.07 | |

1861-2 (totals) entered x 1.25 from pers cutting from Mrs. Rose Bayliss

Rainfall at Wellington RoadBirminghamJ. SanthallWarwick

Diameter of Gauge, in.

Height above Ground, ft. in.

Above Mean Sea Level, ...4.55 Ft.**Trent, Right Bank -- 4**

| YEAR - - | 1860 | 1861 | 1862 | 1863 | 1864 | 1865 | 1866 | 1867 | 1868 | 1869 | MEANS. |
|--------------|-------------------|------|------|------|------|------|------|------|------|------|--------|
| January - - | 3.78 | | | | | | | | | | |
| February - - | .81 | | | | | | | | | | |
| March - - - | 2.01 | | | | | | | | | | |
| April - - - | 1.08 | | | | | | | | | | |
| May - - - - | 2.40 | | | | | | | | | | |
| June - - - - | 6.26 | | | | | | | | | | |
| July - - - - | 1.45 | | | | | | | | | | |
| August - - - | 6.39 | | | | | | | | | | |
| September - | 2.44 | | | | | | | | | | |
| October - - | 1.93 | | | | | | | | | | |
| November - | 2.86 | | | | | | | | | | |
| December - | 3.75 [#] | | | | | | | | | | |
| TOTALS - | 35.16 | | | | | | | | | | |

1860 - agrees with ppt by S. Marshall

RAINFALL AT BirminghamBotanic gardens EdgbastonObserver.....W.B. Latham.....**Warwick**

Rain { By.....

Gauge { Diameter.....5.....in.Height above Ground, 1.....ft.....in.

Above Mean Sea Level.....ft.

Trent, Right Bank -- 4

| YEAR..... | | | | | | | | | 1868 | 1869 | MEANS. |
|----------------|--|--|--|--|--|--|--|--|---------|-------|--------|
| January..... | | | | | | | | | (2.52) | 4.39 | |
| February | | | | | | | | | (2.16) | 2.29 | |
| March | | | | | | | | | (2.23) | 1.77 | |
| April..... | | | | | | | | | (2.08) | 1.68 | |
| May | | | | | | | | | (1.56) | 5.48 | |
| June..... | | | | | | | | | (.37) | 1.14 | |
| July | | | | | | | | | * .10 | .66 | |
| August..... | | | | | | | | | 5.42 | 1.15 | |
| September..... | | | | | | | | | 2.83 | 4.23 | |
| October | | | | | | | | | 2.12 | 1.34 | |
| November..... | | | | | | | | | 1.80 | 1.69 | |
| December..... | | | | | | | | | 6.13 | 3.35 | |
| TOTALS | | | | | | | | | (29.32) | 29.17 | |

The gardens here are very undulated, the gauge is kept in a good open position on one of the highest points

* Jan - June = Edgbaston

Birmingham

Rogers

Calthorpe St Edgebaston

W Southall

Warwick

16.625
 Diam 8 in + ground 1.3 66 + Sea Level 510 ft
 Trent, Right Bank -- 4

| YEAR - - | 1860 | 1861 | 1862 | 1863 | 1864 | 1865 | 1866 | 1867 | 1868 | 1869 | MEANS. |
|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---------|
| January - - | 4.08 | 1.13 | 3.49 | 3.08 | 1.22 | 3.17 | 2.43 | 3.03 | 2.52 | 4.64 | 2.959 |
| February - - | .98 | 2.99 | .83 | .57 | 2.02 | 2.60 | 2.77 | 1.78 | 2.16 | 2.37 | 1.907 |
| March - - - | 2.49 | 3.67 | 4.64 | .92 | 3.47 | 1.43 | 2.32 | 3.92 | 2.23 | 1.97 | 2.706 |
| April - - - | 1.29 | 1.32 | 2.47 | 1.00 | 1.41 | 1.33 | .90 | 2.56 | 2.08 | 1.69 | 1.605 - |
| May - - - | 2.59 | .98 | 3.86 | .65 | 1.60 | 3.00 | 2.50 | 1.64 | 1.56 | 5.31 | 2.369 |
| June - - - | 6.58 | 4.63 | 2.52 | 3.96 | 1.61 | 2.34 | 2.94 | 1.59 | .37 | 1.21 | 2.775 |
| July - - - | 1.68 | 6.24 | 2.08 | .98 | .83 | 3.85 | 1.93 | 2.66 | .29 | .62 | 2.116 |
| August - - | 6.79 | 1.19 | 1.85 | 2.93 | .66 | 4.47 | 3.48 | 3.12 | 5.39 | 1.07 | 3.095 |
| September - | 2.43 | 3.52 | 4.51 | 2.86 | 3.13 | .18 | 5.14 | 3.14 | 2.86 | 4.47 | 3.224 + |
| October - - | 2.06 | 1.93 | 3.63 | 3.78 | 2.75 | 5.63 | 2.41 | 2.74 | 2.11 | 1.48 | 2.852 |
| November - | 3.08 | 2.90 | .85 | 2.54 | 2.67 | 2.31 | 2.56 | 1.37 | 1.87 | 2.23 | 2.238 |
| December - | 3.91 | 1.52 | 2.13 | 1.48 | 2.74 | 1.25 | 1.93 | 1.85 | 6.39 | 3.96 | 2.716 |
| TOTALS - | 37.96 | 32.02 | 32.86 | 24.75 | 24.11 | 31.56 | 31.31 | 30.20 | 29.83 | 31.02 | 30.562 |

1864 Mar 16th Sept = 1.40. Total more than 6 inches less than the average of last 9 years. May was very remarkable for the heat, for five successive days the Therm in shade exceeded 80°

1868 began to register in 1855 & we have had 2.48 in more this Dec^r than any previous one.

RAINFALL AT Birmingham

Camp Hill

Warwick

Observer.....T. L. Plant. Esq......

Warwick

Rain { By.....

Gauge { Diameter.....in.

Height above Ground,.....ft.....in.

Above Mean Sea Level.....ft.

Trent, Right Bank -- 4

| YEAR..... | 1860 | 1861 | 1862 | | | | | | | | MEANS. |
|----------------|-------|-------|-------|--|--|--|--|--|--|--|--------|
| January..... | 3.84 | .98 | 2.85 | | | | | | | | |
| February | .93 | 2.78 | .67 | | | | | | | | |
| March..... | 2.06 | 3.32 | 3.94 | | | | | | | | |
| April..... | 1.18 | .88 | 2.13 | | | | | | | | |
| May | 2.42 | .82 | 3.43 | | | | | | | | |
| June..... | 6.44 | 3.84 | 2.39 | | | | | | | | |
| July | 1.51 | 6.79 | 1.86 | | | | | | | | |
| August..... | 6.48 | .96 | 1.58 | | | | | | | | |
| September..... | 2.28 | 3.39 | 4.05 | | | | | | | | |
| October..... | 1.97 | 1.56 | 2.89 | | | | | | | | |
| November..... | 2.93 | 2.74 | .85 | | | | | | | | |
| December..... | 3.62 | 1.25 | 1.98 | | | | | | | | |
| TOTALS | 35.66 | 29.31 | 28.62 | | | | | | | | |

C C C

Birmingham - Midland Institute.

Warwick

C. J. Woodward Esq.

83 ft

557 ft

Trent, Right Bank -- 4

| YEAR - - | 1860 | 1861 | 1862 | 1863 | 1864 | 1865 | 1866 | 1867 | 1868 | 1869 | MEANS. |
|----------------|------|------|-------|------|------|------|------|------|------|------|--------|
| January - - | | | 2.31 | | | | | | | | |
| February - - | | | .51 | | | | | | | | |
| March - - - | | | 3.56 | | | | | | | | |
| April - - - - | | | 1.63 | | | | | | | | |
| May - - - - - | | | 2.92 | | | | | | | | |
| June - - - - - | | | 1.58 | | | | | | | | |
| July - - - - - | | | 1.42 | | | | | | | | |
| August - - - | | | 1.36 | | | | | | | | |
| September - | | | 3.60 | | | | | | | | |
| October - - - | | | 2.02 | | | | | | | | |
| November - | | | .56 | | | | | | | | |
| December - | | | 1.31 | | | | | | | | |
| TOTALS - | | | 22.78 | | | | | | | | |

e

63 Blombury St Birmingham
 D Smith Esq

9 in 64

Warwick

8 + Ground 4.6

+ Ground 340 ft

Trent, Right Bank -- 4

| YEAR - - | 1860 | 1861 | 1862 | 1863 | 1864 | 1865 | 1866 | 1867 | 1868 | 1869 | MEANS. |
|---------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| January - - | 3.70 | 1.07 | 3.12 | 3.12 | 1.15 | 3.08 | 2.21 | 3.77 | 2.29 | 3.46 | |
| February - - | 1.81 | 2.68 | .66 | .58 | 1.77 | 2.63 | 2.57 | 1.60 | 1.89 | 3.08 | |
| March - - - | 2.01 | 3.21 | 4.44 | .92 | 3.44 | 1.23 | 2.07 | 5.66 | 2.92 | 2.50 | |
| April - - - | 1.08 | 1.08 | 2.18 | .96 | 1.45 | .60 | 1.07 | 2.43 | 1.94 | 1.82 | |
| May - - - - | 2.40 | .85 | 3.77 | .52 | 1.59 | 2.87 | 1.16 | .95 | 1.67 | 5.75 | |
| June - - - - | 6.26 | 4.80 | 2.23 | 4.21 | 1.63 | 2.36 | 3.93 | 1.80 | .19 | 1.21 | |
| July - - - - | 1.45 | 5.06 | 2.11 | .96 | .88 | 3.89 | 2.10 | 2.49 | .39 | .58 | |
| August - - - | 6.39 | .85 | 1.71 | 3.38 | .48 | 4.59 | 4.07 | 2.49 | 5.52 | 1.26 | |
| September - | 2.44 | 3.29 | 5.01 | 2.33 | 3.46 | .21 | 6.20 | 3.59 | 2.47 | 4.10 | |
| October - - - | 1.93 | 1.80 | 3.11 | 3.95 | 2.56 | 5.06 | 2.57 | 2.85 | 1.92 | 1.66 | |
| November - - | 2.84 | 2.72 | .88 | 2.35 | 2.42 | 2.25 | 2.35 | 1.01 | 1.82 | 2.04 | |
| December - - | 3.75 | 1.52 | 2.05 | 1.28 | 2.68 | 1.10 | 1.90 | 2.40 | 6.60 | 4.00 | |
| TOTALS - | 35.46 | 29.81 | 31.27 | 24.56 | 23.51 | 29.87 | 32.20 | 31.04 | 29.62 | 31.46 | 29.850 |