

Rainfall at *Wrottesley Observatory*

40

Stafford.

Lord Wrottesley

Mrs Norton

Peters Anemometer Gauge

Diameter of Gauge, in.

Height above Ground, 22 ft. in.

Above Mean Sea Level, 553 ft.

Low R. bank - 3.

YEAR - -	1843	1844	1845	1846	1847	1848	1849	MEANS.
January - -		1.19	1.04	2.61	.97	.68	1.10	
February - -		1.58	.44	1.53	.83	2.44	.71	
March - - -		2.39	1.19	1.68	.92	2.35	.43	
April - - -	# 1.35	.37	1.51	4.12	.96	1.59	1.96	
May - - -	3.84	.20	1.95	.93	3.66	.35	1.85	
June - - -	2.03	.34	2.40	1.43	2.00	2.75	1.33	
July - - -	1.93	2.17	2.88	2.39		1.76	2.25	
August - - -	4.58	3.00	4.14	4.48	1.40	3.81	.86	
September -	1.16	4.15	2.62	1.69	1.72	2.51	4.66	
October - -	4.16	2.98	1.64	2.37	2.47	3.30	2.52	
November -	2.54	3.32	2.16	.87	1.63	.93	.61	
December -	.27	.30	2.66	.45	2.71	1.71	2.76	
TOTALS -		21.99	24.63	24.55		24.18	21.04	

Gauge out of order in July 1847

Lord Wrottesley

Diameter of Gauge, in.

Height above Ground, *2*.. ft. *6*... in.

Above Mean Sea Level, ft.

Trent, Rebank - 3.

YEAR - -									1838	1839 [*]	MEANS.
January - -									<i>.68</i>	<i>.97</i>	
February - -									<i>.73</i>	<i>1.35</i>	
March - - -									<i>1.30</i>	<i>1.68</i>	
April - - -									<i>3.09</i>	<i>2.15</i>	
May - - - -									<i>1.92</i>	<i>.86</i>	
June - - - -									<i>2.58</i>	<i>3.02</i>	
July - - - -									<i>1.77</i>	<i>3.79</i>	
August - - -									<i>5.26</i>	<i>3.68</i>	
September -									<i>2.28</i>	<i>2.33</i>	
October - -									<i>3.16</i>	<i>3.27</i>	
November -									<i>.73</i>	<i>2.73</i>	
December -									<i>1.86</i>	<i>2.12</i>	
TOTALS -									<i>25.36</i>	<i>27.95</i>	

* The figures for '39 are the 'mean of two Gauges a yard apart and similarly situated'.

Rainfall at *Wrottesley Observatory*

50

Stafford

Lord Wrottesley

Dyer's anemometer gauge.

Diameter of Gauge, in.

Height above Ground, 22 ft. in.

Above Mean Sea Level, 553.. ft.

Year. R- 3.

YEAR - -	1850	1851	1852	1853	1854	1855	1856	1857	1858	1859	MEANS.
January - -	1.01	1.97	2.34	1.87	1.30	.25	1.72	1.72	.51	.69	
February - -	1.02	.37	1.25	.39	.49	.98	1.31	1.12	.65	.95	
March - - -	.47	2.20	.57	1.28	.40	1.10	.91	1.46	1.11	1.17	
April - - -	1.96	.95	.32	1.61	.40	.78	1.43	2.37	2.70	1.55	
May - - - -	1.46	1.33	1.33	.91	1.24	1.16	2.44	1.62	1.61	.77	
June - - - -	.69	1.84	3.68	4.10	1.65	2.33	1.32	1.72	2.43	2.49	
July - - - -	3.14	1.67	2.18	3.23	2.56	3.67	.91	2.10	1.62	3.43	
August - - -	.85	1.40	4.44	2.35	1.89	1.26	3.05	4.14	4.79	3.27	
September -	1.14	.64	2.92	1.75	.82	1.00	1.96	2.37	2.07	2.05	
October - -	1.23	1.76	2.18	2.56	.81	3.54	2.09	1.66	2.70	2.74	
November -	1.70	.79	5.65	1.43	1.42	.47	1.01	1.02	.59	2.23	
December -	1.14	1.16	2.01	.61	1.55	.54	1.75	.58	1.55	1.56	
TOTALS -	15.81	16.08	28.87	22.09	14.53	17.08	19.90	21.88	22.33	22.90	20.147

c c c c c c 2036 c c c

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	2.58	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 Old and connected with
Olevis Anemometer on the shaft of which the record
is made.

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

Wootlesley Observatory
Mean of two gauges

Stafford.

Level of bins

491 ft is the true height
530 ft + s.l.

Feet, 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	.30	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					

✓ ✓ ✓ ✓ ✓ ✓ ✓

RAINFALL AT Wrothesley Observing

Lord Wrottesley

60

Stafford.

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

Height above Ground, ft. *2* 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	

RAINFALL AT Wrottesley Observatory

60

Lord Wrottesley

Stafford.

Rain { By
Gauge { Diameter.....3.....in.

Height 68

490 68

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

Above Mean Sea Level, 530 ft.

Year R- 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.....							.02	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	1.37	5.42		
TOTALS							27.79	24.87	25.17		

c c c

RAINFALL AT Wolverhampton Mottesley

Lat.....

Lon.....

County of... Stafford

Rain Gauge, by.....

Observer

W. L. Simpson

Inst R-3.

Monthly

Diameter .....	.8											
Height .....	.8											
Altitude	490		500									
YEAR	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.	
January.....	1.78	-30	4.69	2.51	2.28	2.87	1.43	3.35	1.96	1.90	2.307	
February.....	.95	1.40	3.32	.97	2.82	1.42	2.68	2.21	1.05	2.40	1.922	
March.....	1.49	.76	1.93	2.90	.65	.80	2.34	2.14	.70	.58	1.429	
April.....	1.07	3.74	2.79	.59	1.10	.62	2.62	2.34	2.30	3.37	2.054	
May.....	.89	1.44	2.40	2.66	1.88	1.52	.68	2.16	6.43	2.61	2.267	
June.....	-.65	3.19	4.70	2.92	.28	2.87	3.08	1.22	3.71	4.30	2.692	
July.....	1.58	3.99	6.42	3.14	1.26	6.91	2.77	4.22	.61	5.28	3.618	
August.....	2.53	.70	3.20	2.34	2.21	2.86	2.13	4.16	6.46	5.36	3.255	
September.....	.68	6.04	2.63	1.58	2.56	4.16	4.51	1.91	2.75	2.81	2.963	
October.....	+5.30	3.21	5.93	2.49	1.76	5.74	2.29	1.90	3.10	.99	3.271	
November.....	1.83	.58	3.47	1.72	3.19	3.42	3.85	2.54	2.89	.87	2.436	
December.....	2.73	1.61	3.48	.66	2.73	1.38	4.56	1.58	1.95	.79	2.147	
TOTALS	21.48	26.96	44.96	24.48	23.32	34.57	32.94	29.73	33.91	31.26	30.361	

c c c

RAINFALL AT *Motterley, Wolverhampton*

80

Lat. _____

Lon. _____

County of _____

Stafford

Rain Gauge, by _____

Observer

Mr. E. Simpson

Form R-3.

Diameter	8											
Height	1.0											
Altitude	500											
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.	
January ....	.54	.43	2.31	3.22	2.73	2.01	3.09	2.82	.77	.39	1.831	
February	2.31	2.88	2.80	2.69	1.54	2.27	.93	.57	.76	1.80	1.849	
March .....	.81	2.45	1.70	1.35	2.51	1.03	2.60	1.53	2.24	2.48	1.870	
April	1.44	.72	3.16	.86	1.61	2.00	1.70	1.35	1.77	3.54	1.815	
May	2.29	1.56	2.96	1.45	1.10	2.06	7.00	1.80	.82	2.86	2.390	
June	3.17	2.42	5.49	3.24	2.05	2.67	1.47	2.00	2.11	1.19	2.581	
July	4.78	1.49	3.72	3.02	2.67	.52	2.71	1.50	4.43	1.71	2.655	
August .....	.47	4.47	1.95	1.18	1.97	2.56	1.64	3.25	3.80	3.12	2.441	
September....	3.10	1.76	2.24	4.53	2.58	3.80	3.18	2.53	.92	2.50	2.714	
October	4.98	2.51	5.80	2.58	1.46	3.79	3.51	2.58	.49	2.78	3.048	
November....	2.02	2.48	3.97	4.41	1.43	2.98	2.05	1.68	4.32	.69	2.605	
December	3.55	2.53	3.93	.91	2.15	.94	3.50	1.41	2.37	1.69	2.298	
TOTALS	29.48	25.70	40.03	29.44	23.80	26.63	33.38	22.96	24.80	24.75	28.097	

✓ indicates entered correct day (see note at beginning of this book)

RAINFALL AT *Wolverhampton Wrotesley*

Lat. _____

Lon. _____

County of *Stafford*

Rain Gauge, by _____

Observer *M E Simpson*

Instrument R-3.

Diameter	8											
Height	10											
Altitude	500											
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.	
January	2.61	1.91	2.72	1.88	1.53	3.97	1.05	1.83	1.08	3.32	2.190	
February ....	.67	.03	1.38	2.47	2.37	.24	.73	2.81	1.43	2.60	1.1473	
March	1.15	1.31	1.18	.52	1.01	2.12	3.05	2.03	.64	.84	1.2851	
April .....	.84	1.93	1.34	.55	1.30	2.11	1.00	1.81	1.83	2.33	1.5041	
May	1.67	3.89	2.49	1.50	2.68	.71	.34	.94	2.93	2.15	1.9201	
June	1.57	2.39	4.18	2.21	2.20	1.25	1.22	3.05	1.34	3.35	2.276	
July	2.61	1.59	2.07	1.99	2.99	2.55	1.66	.50	1.29	1.44	1.869	
August	2.82	3.67	2.26	.97	1.68	2.11	1.90	2.65	3.27	1.61	2.2941	
September....	.79	1.59	2.51	1.43	1.12	.24	3.33	2.28	1.04	1.90	1.623	
October	1.70	5.42	2.83	1.82	2.69	2.64	1.81	1.07	2.15	2.66	2.479	
November....	3.89	1.92	1.77	1.18	2.58	2.87	1.31	2.07	1.73	1.20	2.052	
December ....	.86	2.78	2.03	3.06	1.73	1.74	3.61	2.51	2.28	2.48	2.208	
TOTALS	21.18	28.43	26.76	19.58	23.88	22.55	21.01	23.55	21.01	25.88	22.383	

1870 —

RAINFALL AT Wolverhampton Wastlesay

Lat. 52° 37' N

Lon. 2° 56' 57" W County of Stafford

Circular Rain Gauge, by Observer Mr E Simpson

Instrument - 3.

Diameter ..	8										
Height	1.0										
Altitude ..	500										
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEAN.
January ..	2.45	1.54	.94	1.70	2.09	.86	3.30	1.26	.94	.86	1.594
February ..	3.76	1.82	1.08	1.17	3.51	.63	1.57	1.37	1.15	.54	1.660
March ....	.90	1.81	1.46	4.02	1.38	2.71	.96	1.02	2.86	2.80	1.992
April .....	.77	1.62	1.56	1.56	1.22	1.31	1.38	1.80	2.31	1.83	1.531
May	1.70	1.08	3.04	2.48	1.97	.40	2.58	3.06	3.86	1.28	2.145
June	2.28	3.12	1.74	1.03	.46	2.02	2.20	2.88	1.98	3.51	2.122
July	2.03	1.99	1.92	1.29	2.24	1.79	.79	1.96	2.24	3.30	1.955
August	2.87	2.58	3.33	4.56	2.62	4.23	1.77	2.56	3.02	1.46	2.900
September..	1.05	.84	1.46	3.54	1.90	1.09	1.24	.87	1.90	3.18	1.707
October	3.02	2.21	2.72	4.85	.54	1.13	4.25	4.46	2.18	3.07	2.843
November ..	2.38	1.41	1.88	1.72	1.16	2.75	2.64	2.06	1.84	.44	1.828
December ..	3.70	3.70	1.39	1.79	1.60	.68	2.47	2.14	1.98	4.27	2.572
TOTALS ..	26.91	23.72	22.52	29.71	20.69	19.60	25.10	25.44	26.26	26.54	24.649

909 Codsall Station $1\frac{1}{2}$ miles N

Wotton Church 3 E

"Nothing near"

H. S.

RAINFALL at Wolverhampton WoottonCounty of Staffordshire Observer Mr E. SimpsonRiver Basin Trunk. Right Bank. Tubularies 3

Rain Gauge, by _____

Diameter ...	8										
Height	1.0										
Altitude ...	500										
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...	1.60	.47	3.70	3.30	1.34	3.00					
February ...	2.49	1.29	1.19	.72	2.07	2.16					
March .....	.51	1.41	3.49	4.53	2.01	.78					
April	1.76	1.03	.14	3.14	.65	1.15					
May	1.60	.72	2.47	2.26	1.23	2.30					
June	1.12	2.34	4.87	1.37	3.06	1.15					
July	2.62	.10	2.25	1.50	4.49	6.70					
August	4.24	1.41	5.79	1.71	3.04	2.05					
September ..	.45	1.54	.79	1.24	1.09	.87					
October ...	2.62	2.01	2.39	2.68	1.44	1.93					
November ..	3.91	2.24	2.06	2.09	3.44	2.47					
December ...	4.77	4.48	2.88	1.08	6.10	4.64					
TOTALS ...	27.69	19.04	32.02	25.62	29.96	30.20	NO (24.80)	NO (26.40)	(26.70)	(26.70)	

computed from rain-gauge + west bank g/fm

Date.	Lat. N.	Long. W.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
	52° 37'	0° 53' 57"	Codsall	1½ m	N	Codsall	2 m	