

RAINFALL AT MacclesfieldN S Aspinwall Town Hall

Cheshire.

Rain { By

Gauge { Diameter.....8.....in.Height above Ground, 2 ft. 6 in.Above Mean Sea Level, 425 ft.

1-11 68 69

Upper mesey - 1.

YEAR.....							1866	1867	1868	1869	MEANS.
January						#	2.89	3.84	2.55	3.09	
February							3.15	2.90	2.21	3.72	
March							2.74	2.03	4.14	1.67	
April							1.09	4.33	3.09	1.91	
May							1.83	1.90	1.57	3.21	
June							3.99	2.13	.25	1.36	
July							3.37	4.88	.52	1.14	
August							5.24	2.03	3.55	2.97	
September ...							5.48	3.05	1.68	6.55	
October							2.64	3.23	5.11	2.79	
November							4.88	1.69	2.44	4.91	
December							2.98	4.49	7.75	4.30	
TOTALS							40.28	36.50	34.86	37.62	

c c c

Sponds Hill

n. Bollington M. S. & L. R.

Cheshire.

Weekly
upper mercury - 1.+ ground 3rd 1279 ft + m s l

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -	4.20	.90	3.03	6.10	1.38	1.68	3.15	2.91	2.78	3.66	2.987
February - -	.49	2.79	.99	1.12	2.41	1.61	3.76	2.86	1.84	2.68	2.055 -
March - - -	7.92	6.99	4.03	1.58	1.19	.93	1.73	1.28	3.31	.77	2.973
April - - -	2.08	1.51	3.95	1.98	.97	1.40	1.13	4.87	2.78	2.43	2.310
May - - - -	4.56	1.42	4.73	3.36	3.03	2.65	1.65	1.69	1.77	3.52	2.838
June - - - -	6.57	2.04	5.60	3.57	3.17	.65	4.77	1.45	.34	1.56	2.972
July - - - -	3.88	4.55	6.02	2.16	1.78	4.34	4.24	5.53	.25	1.21	3.396
August - - -	6.07	2.93	3.32	5.18	2.44	5.03	5.67	1.82	2.83	2.81	3.810
September -	2.86	6.55	3.03	4.23	3.35	.46	5.59	2.87	1.80	6.46	3.720 -
October - -	5.44	1.40	3.80	5.17	2.28	6.66	2.58	4.40	4.27	3.57	3.957 +
November -	2.64	4.19	1.19	4.28	3.43	3.17	4.89	1.00	2.11	4.02	3.092
December -	1.90	2.64	3.92	2.39	2.00	1.07	3.35	4.73	7.59	3.95	3.354
TOTALS -	48.61	37.99	43.61	41.12	27.43	29.65	42.51	35.41	31.67	36.64	37.464

+ e e e e e e e e e e

Whaley Bridge. Dadd's Brook Res.
M L & L R

Cheshire.

+ ground 3^{ft}.6

602 ft + m s l

upper meadow - 1.

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -	3.97	.72	3.09	5.80	1.69	3.51	4.47	4.23	3.31	4.06	3.485
February - -	.39	2.67	1.08	.93	4.01	3.30	4.49	5.19	2.92	4.29	2.927
March - - -	7.81	6.72	3.50	1.52	3.41	2.35	2.69	2.68	6.08	1.61	3.837
April - - -	1.84	1.40	3.17	2.06	1.39	1.57	1.58	8.44	3.18	3.04	2.767 -
May - - - -	4.30	1.49	4.95	2.94	3.50	2.91	2.44	2.34	1.82	3.47	3.016
June - - - -	6.98	2.00	5.75	3.72	4.23	.86	6.27	2.19	.39	2.05	3.444
July - - - -	3.58	4.46	6.43	2.48	1.97	4.75	5.27	7.56	.31	1.41	3.822
August - - -	5.62	2.85	3.52	6.29	3.56	4.66	6.23	2.29	3.18	3.00	4.120
September -	2.65	6.48	3.19	5.21	3.47	.37	6.53	3.11	1.92	6.98	3.991
October - -	5.15	1.40	4.27	6.56	2.45	6.45	2.91	5.64	5.76	3.79	4.438 +
November -	2.56	4.17	1.52	3.90	4.72	3.78	7.56	1.67	2.82	6.43	3.913
December -	1.99	2.64	3.61	3.86	1.96	1.30	5.02	5.60	9.62	5.74	4.134
TOTALS	46.84	37.00	44.08	45.27	36.36	35.81	55.46	58.94	41.31	45.87	43.894

✓ e e e e e - + e e e e

1868 Average (18 y^{rs}) 38.07

RAINFALL AT Lyme Park, Stockport W.W.

No. 1.9.
Cheshire.

Observer

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

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

Above Mean Sea Level 720 ft.

Upper mersey - 1.

YEAR.....	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January.....											
February.....											
March.....											
April.....											
May.....											
June.....											
July.....											
August.....											
September.....											
October.....											
November.....											
December.....											
TOTALS					29.10	33.14	45.89	45.52	41.98	49.91	

1864-1871, 1873 totals entered from P. J. 29. XI. 1913.

Quarry Bank

~~for Wilmslow Cheshire~~

Cheshire.

James Henshall

Handforth n. Manchester

Drain 8 in + Ground 8 in + Sea Level 295 feet
upper meadow - 1.

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -	3.03	.22	2.50	3.94	1.37	2.55	2.96	3.13	2.33		
February - -	1.05	1.56	.39	.87	2.88	1.78	2.84	2.84	1.99		
March - - -	3.30	4.86	3.51	.95	2.12	1.81	2.24	1.65	3.22		
April - - -	1.27	1.56	2.37	1.38	1.16	1.23	.35	3.87	2.25		
May - - - -	3.00	1.03	4.27	1.63	2.08	3.23	1.41	2.10	1.41		
June - - - -	5.56	1.79	3.26	4.26	3.03	1.40	5.03	1.74	.14		
July - - - -	3.46	2.89	4.55	1.90	1.45	2.64	3.35	5.66	.73		
August - - -	5.34	2.12	2.91	4.49	2.00	3.81	4.48	1.34	3.95		
September -	2.03	3.26	3.33	5.02	3.81	.44	5.99	2.87	1.38		
October - -	3.53	1.19	4.27	5.47	1.76	4.71	2.13	4.41	4.79		
November -	2.16	3.13	1.63	2.49	2.75	2.67	4.71	1.72	2.29		
December -	2.37	2.13	2.41	2.30	1.92	.66	3.04	3.57	7.98		
TOTALS -	36.10	25.74	35.40	34.70	26.33	26.93	38.53	34.90	32.46		

Out of repair

* # Nov. 1859.

Weston Point

N. Burneorn

Cheshire.

E. Leader Williams Jr.

1 ft 66

3.10

15 66

5 in + ground 2.10 in 64

+ Sea Level 22 ft 6

upper mercury - 1.

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -				# 3.02	1.04	.76	2.30	2.46	1.79	2.70	
February - -				.39	1.59	1.79	2.46	1.77	1.72	2.67	
March - - -				1.00	1.67	1.61	1.71	1.94	2.63	1.48	
April - - -				.86	1.50	1.50	1.06	3.25	1.36	2.52	
May - - - -				1.45	1.78	2.59	1.35	1.66	1.58	4.37	
June - - - -				3.90	1.95	.52	3.92	1.02	.32	1.13	
July - - - -				1.70	1.77	.46	3.41	4.92	.45	.78	
August - - -				2.53	1.57	4.33	4.26	1.59	3.63	2.44	
September -				2.38	3.08	.39	5.26	2.41	2.32	5.92	
October - -				5.63	1.47	2.45	2.11	3.98	4.34	2.05	
November -				3.37	2.03	1.84	3.93	1.04	2.17	3.35	
December -				2.17	1.30	.71	2.00	3.23	6.70	2.80	
TOTALS -				28.40	20.75	18.95	33.77	29.47	29.01	32.21	

e e e e e e e e

/63 on 10 of June 2.99 in fall.

1864

Began registering in 1863, using float gauges

Thelwall nr Warrington

60

Cheshire

John Atkinson Esq. F.R.S.

+ ground 1 ft 6 in

+ sea level 96 ft

upper meany - 1.

YEAR - -	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -	.26	2.14	3.71							
February - -	2.72	.74	.81							
March - - -	4.29	3.94	1.00							
April - - - -	1.71	2.34	1.39							
May - - - -	.70	4.14	2.28							
June - - - -	2.67	2.66	5.64							
July - - - -	3.59	3.97	1.98							
August - - -	2.44	2.96	3.90							
September -	3.43	3.40	5.13							
October - -	1.47	4.92	6.80							
November -	3.66	1.67	3.49							
December -	1.99	2.96	2.33							
TOTALS -	28.93	35.84	38.46							

c c c

RAINFALL AT Borden

Cheshire

Observer L. W. Reynolds

Rain { By

Gauge { Diameter in.

Height above Ground, 1[?] ft. in.

Above Mean Sea Level 250 ft. ?

upper mersey - 1.

YEAR.....					1864	1865	1866	1867	1868	1869	MEANS.
January.....					1.46						
February					3.23						
March					2.42						
April					1.62						
May					2.89						
June.....					2.50						
July					◇						
August.....											
September.....											
October											
November.....											
December											
TOTALS											

c
1864 July to Dec. at Penketh 1st + 2^d. 39 ft + S.L. 53° 29' 0" N 2° 39' 14" W

RAINFALL AT Altringham Lancashire
Barrington House

Observer John Newton C.E.

Rain { By
Gauge { Diameter 5 in.

Height above Ground, 1 ft. in.

Above Mean Sea Level 105 ft.

Upper mersey - 1.

YEAR.....									1868	1869	MEANS.
January.....									[#] 3.20	3.00	
February.....									2.00	3.74	
March.....									3.80	2.66	
April.....									1.84	2.40	
May.....									1.15	4.30	
June.....									.56	1.08	
July.....									.42	1.25	
August.....									2.49	2.99	
September.....									1.68	6.60	
October.....									5.00	3.25	
November.....									3.12	3.92	
December.....									8.88	3.51	
TOTALS.....									34.14	38.70	

c c

Morphe Top, Lock House
M. S. & L. R.

60

Cheshire.

+ ground 34.6

543 ft + m s l

upper mercury - 1.

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -	2.56	.20	2.42	5.23	1.38	2.90	3.93	4.12	3.43	2.91	2.908
February - -	.45	1.48	.41	.94	3.22	2.50	3.68	3.48	2.06	3.62	2.184
March - - -	3.64	4.00	4.10	.83	1.90	1.54	1.87	1.38	4.00	1.24	2.450
April - - -	.89	1.66	3.08	1.38	1.34	1.62	.68	4.57	2.31	1.99	1.952 -
May - - - -	3.03	.85	4.34	1.90	2.87	3.36	1.87	2.55	1.45	3.42	2.564
June - - - -	4.94	3.56	3.85	3.70	3.11	.91	5.13	1.71	.27	1.23	2.841
July - - - -	1.60	3.84	4.88	2.53	1.68	3.41	3.46	5.11	.37	1.34	2.822
August - - -	4.05	2.38	3.33	5.73	2.43	3.60	5.17	2.30	2.80	1.95	3.374
September -	1.56	4.91	4.77	5.02	4.25	.48	5.77	2.55	1.60	6.90	3.781
October - - -	3.58	1.26	5.48	6.50	2.36	6.14	2.42	4.56	3.89	3.22	3.941 +
November -	1.42	4.66	1.34	3.40	3.25	2.78	5.04	1.78	2.99	4.30	3.096
December -	1.56	2.60	3.22	3.21	1.94	.86	3.95	4.97	7.57	3.53	3.341
TOTALS -	29.28	31.40	41.22	40.37	29.73	30.10	42.97	39.08	32.74	35.65	35.254

~ e e e e e e e e e e

1868 Average (12 yrs) 32.15

Morphe Aqueduct
M. S. & L. R.

Cheshire.

+ Ground 3^{ft} 6

321 ft + m s l

upper mercury - 1.

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -	2.30	.31	2.20	4.62	1.37	2.48	3.40	3.15	2.67	2.88	2.538
February - -	.69	1.99	.80	.91	3.23	2.52	2.95	2.86	1.89	3.78	2.162
March - - -	5.34	6.39	3.93	.01	1.74	1.83	1.85	1.08	3.57	1.20	2.774
April - - -	1.18	1.48	2.85	1.65	1.15	1.43	.59	4.53	1.88	2.00	1.874 -
May - - - -	4.52	1.10	4.75	1.70	2.72	2.97	1.51	2.08	1.42	3.41	2.618
June - - - -	6.30	3.01	3.71	4.18	2.65	.76	4.52	1.67	.28	1.31	2.839
July - - - -	2.39	4.22	4.77	2.12	1.71	3.62	3.52	4.99	.27	1.34	2.895
August - - -	5.59	2.45	3.27	5.56	2.13	3.11	4.47	2.27	2.85	2.21	3.391
September -	2.51	4.62	4.93	5.54	4.50	.49	4.90	2.29	1.66	6.91	3.835 +
October - -	4.76	1.40	4.92	6.21	2.05	5.53	2.35	3.78	4.08	3.17	3.825
November -	2.22	4.33	1.43	3.12	2.67	2.50	4.93	1.54	2.93	4.08	2.975
December -	2.07	2.25	2.85	2.83	1.82	.83	3.50	4.14	7.42	3.13	3.084
TOTALS -	39.87	33.55	40.41	39.25	27.74	28.07	38.49	34.38	30.92	35.42	34.810

1868 Average (17 yrs) 29.93

RAINFALL AT Stockport

Jas. Sidebottom Jr.

Wellington Road

Spring Bank Mill

Cheshire

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

Height above Ground, ft. in.

Above Mean Sea Level, ft.

Upper mercury - 1.

YEAR.....							1866	1867	1868	1869	MEANS.
January							2.01	2.68	1.46	1.98	
February							1.89	1.72	1.33	2.59	
March							1.47	1.01	2.42	.88	
April31	3.06	1.50	1.54	
May							1.18	1.99	.91	3.23	
June.....							4.35	1.84	.37	1.14	
July							3.05	4.28	.48	.90	
August.....							4.50	1.59	2.01	1.65	
September ...							4.73	1.63	1.16	4.93	
October.....							2.02	3.43	3.06	2.11	
November.....							3.90	1.22	1.52	2.95	
December.....							2.35	3.04	6.30	2.48	#
TOTALS							31.76	27.49	22.52	24.38	

c c c c

On a roof 50 x 50 yds sq.

Rainfall at Warburton W. Warrington Cheshire
 Lat $53^{\circ}24'$ Lon $2^{\circ}27'$ 12 m. E. of Manchester 7 E. of Warrington
 Rev D. A. Beaufort

Diameter of Gauge, in.

Height above Ground, ft. in.

Above Mean Sea Level, ft.

upper mercury - 1.

YEAR - -					1864	1865	1866	1867	1868	1869	MEANS.
January - -					1.79	1.84	3.46	3.11	2.32	2.40	
February - -					2.97	1.82	2.86	2.33	1.89	2.84	
March - - -					3.23	1.40	2.32	1.87	3.09	2.18	
April - - -					1.87	1.66	.54	4.43	1.65	2.15	
May - - - -					2.49	4.19	1.06	1.84	1.02	4.23	
June - - - -					3.11	.97	4.26	1.04	.35	1.08	
July - - - -					1.40	2.54	3.77	6.06	.51	.86	
August - - -					2.15	5.55	4.44	1.60	3.95	8.26	
September -					4.25	.68	6.24	2.78			
October - -					1.84	3.64	2.16	3.95	4.31	3.01	
November -					3.09	3.04	4.62	1.76	2.16	3.71	
December -					2.28	.88	2.41	2.78	7.70	3.13	
TOTALS -					29.47	28.21	38.14	33.55	28.95	33.85	

c c c c c c c

1868 In August .635 fell down to the 11th and between
 Aug^r 18th & Sep^r 7th fell 1.451 more between 11th & 19th
 in Sep^r between the 19th & 20th 1.861 fell more from
 Sep^r 7th to 19th

Manchester - Salisbury

60

Cheshire.

John Curtis Esq

+ Ground 2 ft 3 in

+ Sea Level 134 feet

upper mesey - 1.

YEAR - -	1860	1861									MEANS.
January - -	3.38	1.48									
February - -	1.90	2.12									
March - - -	3.09	4.40									
April - - -	1.05	1.58									
May - - - -	2.53	.86									
June - - - -	6.46	2.23									
July - - - -	2.02	4.02									
August - - -	5.45	2.44									
September -	2.42	4.07									
October - - -	3.34	1.14									
November -	2.38	3.49									
December -	3.22	1.75	\$								
TOTALS -	36.24	28.58									

✓ C

Kingston Mills
Hyde, Cheshire

H. H. Clayton

6 in

+ Ground 1 ft

+ S. L. 350 ft.

upper mercury - 1.

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -				4.42	1.30						
February - -				.87	2.90						
March - - -				55	1.30						
April - - -				1.45	1.50						
May - - -				1.30	3.60						
June - - -				4.00	2.50						
July - - -				1.50	1.60						
August - - -				4.33	2.50						
September -				5.35	4.20						
October - -				5.62	2.10						
November -				2.93	2.40						
December -				2.55	1.80						
TOTALS -				34.87	27.70						

1863 June 10th 1.90

A cylinder gauge 5 ft deep sunk except 6 in - diam: 10 in,
with float - nothing is said of index rod, or funnel. Home made.

Newton (Hyde)
M.S. & L.R.

60
Cheshire.

+ ground 3rd 396 ft + m s l

upper mercury - 1.

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -	2.35	.42	1.72	4.50	1.15	2.10	3.19	2.52	2.94	3.07	2.396
February - -	.60	1.61	1.09	.98	3.30	2.20	2.83	2.55	2.07	4.10	2.133
March - - -	3.50	4.98	2.52	.78	1.69	1.43	1.44	.99	3.32	.61	2.126
April - - -	1.29	1.16	3.10	1.62	.90	1.14	.61	4.23	1.64	1.91	1.760 -
May - - - -	2.41	.97	4.07	1.35	3.07	2.41	1.67	2.33	1.06	3.24	2.258
June - - - -	6.79	3.77	3.10	3.71	2.40	.86	4.73	1.69	.14	1.25	2.844
July - - - -	2.16	4.30	3.62	1.50	1.01	2.91	3.46	5.01	.31	1.10	2.538
August - - -	4.48	2.86	2.93	4.75	2.25	3.93	4.85	1.71	2.78	2.80	3.334
September -	2.18	3.99	4.67	5.35	4.15	.55	5.07	2.19	1.39	4.02	3.436 +
October - -	4.07	1.23	5.03	5.44	2.33	3.98	1.95	3.22	4.01	3.03	3.429
November -	2.51	4.53	1.21	2.89	2.50	2.26	4.81	.85	2.15	3.13	2.684
December -	1.60	1.98	2.45	2.36	1.59	.79	4.24	2.35	6.04	3.55	2.695
TOTALS -	33.94	31.80	35.51	35.23	26.34	24.56	39.65	29.64	27.85	31.81	31.633

1868 Average (16 yrs) 29.40

Wotton

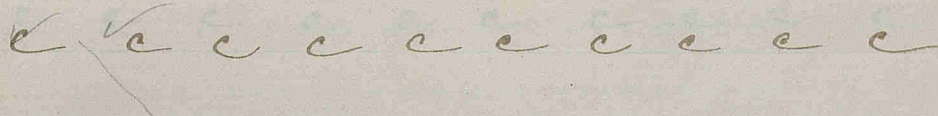
(Hill End) N. S. & L. R.

+ ground 3¹/₂ b

680 ft + m s l

upper mercury - 1.

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -		.63	2.48	5.13	1.33	3.06	4.36	4.96	3.24	3.03	
February - -		1.83	.82	1.36	3.47	3.17	3.93	4.79	2.86	5.58	
March - - -	4.52	6.13	3.25	.99	2.63	2.07	1.90	1.33	5.23	1.31	
April - - -	1.53	1.27	3.17	1.92	1.25	2.08	.97	6.35	2.54	2.66	
May - - -	3.99	1.29	4.85	2.02	3.42	3.56	2.02	2.56	1.71	4.28	
June - - -	7.61	1.94	4.03	4.44	3.98	1.12	5.54	2.55	.28	1.53	
July - - -	2.99	5.66	5.08	1.96	1.85	2.99	4.80	6.42	1.70	1.12	
August - -	5.29	2.92	2.73	5.96	2.83	4.22	5.97	2.92	2.90	2.50	
September -	2.71	4.65	5.65	6.16	5.16	.65	7.37	3.05	1.93	6.54	
October - -	4.50	1.16	5.43	6.48	2.75	4.97	2.86	4.48	5.64	3.70	
November -	2.67	4.82	1.45	3.58	3.61	3.09	7.45	2.12	2.85	4.48	
December -	1.69	2.10	3.39	3.57	1.90	.93	5.53	5.01	8.97	5.28	
TOTALS -		34.40	42.33	43.57	34.18	31.91	52.70	46.54	39.85	42.01	



1868 Average (8 yr) 40.68

RAINFALL AT Torside Reservoir

60

Cheshire.

W. L. H. W.

Rain { By
Gauge { Diameter.....in. Height above Ground, ft. in. Above Mean Sea Level, 602... ft.

Upper measy - 1.

YEAR	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January						² 3.75	4.02	4.20	3.86	2.91	
February						3.53	4.52	4.52	4.23	6.10	
March						1.99	2.12	2.14	6.57	2.68	
April						1.36	2.46	6.12	3.05	2.69	
May						2.20	2.53	2.55	1.52	5.11	
June						1.06	5.58	2.47	.47	1.61	
July						3.48	5.53	6.32	.54	1.05	
August						4.75	6.18	3.47	3.43	3.76	
September72	6.58	3.14	3.08	7.92	
October						7.39	2.66	4.46	5.49	4.23	
November ...						3.83	7.46	2.48	3.42	6.49	
December						1.02	5.81	6.11	9.75	6.38	
TOTALS						35.08	55.45	47.98	45.41	50.93	

c c c c c

RAINFALL AT Swineshaw

Cheshire.

Observer W. WattsRain { By CasartelliGauge { rim 2" above wooden standDiameter 8 1/2 in.Height above Ground, 3 ft. 0 in.Above Mean Sea Level 884 ft.Upper meery - 1.

YEAR.....							1866	1867	1868	1869	MEANS.
January.....								4.59	2.39	3.00	
February								5.53	4.29	6.13	
March								1.64	5.43	1.56	
April								5.93	2.45	2.52	
May								2.63	2.22	3.29	
June								2.78	.42	1.58	
July							4.81	6.04	.61	1.62	
August							6.27	3.12	3.23	3.46	
September.....							7.56	3.09	1.92	7.22	
October							2.74	4.43	5.70	4.08	
November.....							6.79	1.28	3.61	5.80	
December							7.02	5.91	8.29	5.04	
TOTALS								46.97	40.56	45.30	

The g stands on gentle sloping moorland 150 yds from my house and is enclosed in an amphitheatre of hills forming the water-shed of the Ashton & Stanley Bridge Water Works. The g is as near as possible in the centre

RAINFALL AT Woodhead Reservoir

M E W W

Cheshire.

Observer.....

Rain { By.....

Gauge { Diameter.....in.

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

Above Mean Sea Level.....680ft.

Upper moory - 1.

YEAR.....	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January.....	4.10	1.02	3.35	7.10	2.30	4.75	5.32	5.33	4.50	3.75	4.152
February	1.88	3.82	1.49	1.99	5.33	4.15	5.84	5.80	5.50	7.82	4.362
March	6.90	8.10	4.25	1.80	3.29	2.24	2.75	2.74	8.58	2.56	4.321
April	1.30	1.40	3.35	2.27	1.66	1.36	2.80	7.59	3.84	3.09	2.866 -
May	3.98	1.60	5.54	2.87	4.02	2.61	2.97	2.85	1.60	5.42	3.346
June	9.10	2.90	4.85	4.64	4.48	1.05	5.84	2.55	.42	1.86	3.769
July	3.55	4.72	5.98	1.80	2.05	3.89	5.62	7.19	.66	1.10	3.656
August	6.45	3.45	2.91	6.17	3.85	5.15	7.04	3.48	3.80	3.92	4.622
September.....	4.15	5.95	5.26	6.59	3.97	.84	7.60	3.90	3.30	9.40	5.096
October	6.15	1.85	6.46	7.45	3.67	8.50	3.07	5.03	6.60	4.98	5.376 +
November.....	3.98	6.50	1.54	5.79	6.09	4.50	8.59	1.95	3.98	7.47	5.039
December.....	*2.15	2.93	4.45	5.30	2.81	1.31	7.14	7.55	10.84	7.75	5.223
TOTALS	53.69	44.24	49.43	53.77	43.52	40.35	64.58	55.96	53.62	59.12	51.828

+ 1860 9 frozen from 23rd Dec +

c c c c c c c c c c c

RAINFALL AT Andleem CheshireK. Reby TaylorKynscl Ho.

Rain { By

Gauge { Diameter.....5.....in.Height above Ground, ft. 3 in.Above Mean Sea Level, 245 ft.Weaver - 2.

YEAR								1867	1868	1869	MEANS.
January								⁴ ₁₂		2.95	
February90		2.51	
March								1.35		1.37	
April								3.22		.66	
May								2.41		⁴ ₁₈ 2.76	
June								2.33			
July								2.11			
August71			
September ...								2.10			
October								4.03			
November ...								2.39			
December								2.52			
TOTALS											

C

C

Rainfall at Wrenbury
Nantwich

60

Cheshire.

F. Hardacre.

Diameter of Gauge, in.

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

Above Mean Sea Level, ft.

weaver - 2.

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -						1.68	3.07				
February - -						2.43	1.05				
March - - -						2.30	.89				
April - - -						2.63	1.30				
May - - - -						1.53	.56				
June - - - -						1.61	3.70				
July - - - -						1.04	2.73				
August - - -						.54	4.91				
September -						.40	5.63				
October - -						2.45	1.47				
November -						2.70	2.64				
December -						3.01	1.00	#			
TOTALS -						22.32	29.03				

c c

RAINFALL AT Nantwich

Cholmondeley Castle

Cheshire

E L Williams Esq.

Rain { By Bottle

Gauge { Diameter 0 1/2 in.

Height above Ground, 1 ft. 6 in.

Above Mean Sea Level, 42 ft.

Weaver - 2.

YEAR.....							1866	1867	1868	1869	MEANS.
January								2.90	2.37	2.89	
February								1.29	2.03	1.89	
March								1.87	2.12	1.57	
April								2.82	1.95	1.54	
May								2.54	1.49	5.84	
June.....						#	3.59	1.71	.55	1.01	
July							2.39	3.30	.58	1.67	
August.....							4.47	1.39	3.53	2.33	
September ...							6.74	1.85	2.66	6.36	
October.....							1.51	5.12	2.68	2.70	
November.....							3.20	1.31	2.61	3.30	
December.....							2.00	2.91	6.93	3.13	
TOTALS								29.01	29.50	34.23	

c c c c

Tarporley
Rainfall at *Alpraham Green*

60

Cheshire.

A. Winkfield.

Diameter of Gauge, in.

Height above Ground, ft. in.

Above Mean Sea Level, ft.

weaver - 2.

YEAR - -					1864	1865	1866	1867	1868	1869	MEANS.
January - -						1.96					
February - -						1.70					
March - - -					<i>Ex 13 1/2</i> 1.45	1.71					
April - - -					1.56	1.33					
May - - - -					2.14	<i>x</i>					
June - - - -					1.92						
July - - - -					.78						
August - - -					2.15						
September -					3.25						
October - - -					1.83						
November - -					1.96						
December - -					1.72						
TOTALS -											

c c

Bosley Reservoir
M L & L R

cheshire.

+ Ground 3ft 6in 590ft + msl

weaver - 2.

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -	3.03	.16	2.40	5.10	1.06	1.90	3.10	2.71	1.80	2.11	2.337
February - -	.65	1.94	.66	.82	2.87	2.29	2.86	2.29	2.05	3.15	1.958
March - - -	3.24	3.15	3.41	1.58	2.04	1.53	2.16	1.22	3.96	1.61	2.390
April - - -	1.09	1.35	1.95	1.18	.92	.96	.57	4.28	2.01	2.04	1.635 -
May - - - -	2.80	1.18	4.17	2.32	2.45	3.09	1.60	1.38	1.41	2.41	2.281
June - - - -	5.12	3.61	3.79	4.51	2.75	.51	3.86	1.99	.18	1.40	2.772
July - - - -	2.15	4.20	4.25	2.47	1.89	3.28	2.09	3.53	.32	1.08	2.526
August - - -	1.66	2.15	2.51	4.09	2.55	4.17	4.23	2.17	3.46	2.51	3.450
September -	2.50	3.52	5.07	4.54	4.06	.33	4.92	3.46	1.74	5.39	3.553 +
October - -	2.63	1.36	5.24	4.63	1.79	4.22	2.05	4.15	4.69	2.85	3.361
November -	2.03	3.07	1.40	2.80	4.24	3.03	4.88	1.34	1.79	4.62	2.920
December -	2.13	2.07	2.74	2.30	2.27	1.12	2.18	3.92	6.82	3.05	2.860
TOTALS -	34.03	27.76	37.59	36.34	28.89	26.43	34.50	32.44	30.23	32.22	32.043

c c + c c c c c c c c
1868 Average (14 yrs) 30.04

Rainfall at *Wincle* *Staffordshire* (nr. *Macclesfield*)
Cheshire

Ja^s Forbes

Diameter of Gauge, *5* in.

Height above Ground, *3* ft. in.

Above Mean Sea Level, *520* ft.

weaver - 2.

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -					<i>1.38</i>	<i>1.93</i>	<i>3.66</i>	<i>3.59</i>	<i>2.24</i>	<i>3.27</i>	
February - -					<i>2.34</i>	<i>2.02</i>	<i>3.58</i>	<i>2.75</i>	<i>2.58</i>	<i>2.06</i>	
March - - -					<i>2.50</i>	<i>1.80</i>	<i>2.50</i>	<i>1.68</i>	<i>5.60</i>	<i>1.86</i>	
April - - -					<i>1.72</i>	<i>1.42</i>	<i>.66</i>	<i>4.34</i>	<i>2.14</i>	<i>1.04</i>	
May - - - -					<i>3.12</i>	<i>3.28</i>	<i>1.61</i>	<i>1.22</i>	<i>1.50</i>	<i>3.16</i>	
June - - - -					<i>2.81</i>	<i>.58</i>	<i>4.10</i>	<i>1.99</i>	<i>.25</i>	<i>1.50</i>	
July - - - -					<i>1.17</i>	<i>2.26</i>	<i>2.52</i>	<i>3.40</i>	<i>.04</i>	<i>1.39</i>	
August - - -					<i>2.37</i>	<i>5.56</i>	<i>4.31</i>	<i>2.21</i>	<i>3.85</i>	<i>2.21</i>	
September -					<i>3.37</i>	<i>.07</i>	<i>5.61</i>	<i>3.62</i>	<i>2.07</i>	<i>6.41</i>	
October - -					<i>2.99</i>	<i>4.02</i>	<i>2.65</i>	<i>4.02</i>	<i>4.49</i>	<i>2.55</i>	
November -					<i>2.70</i>	<i>3.22</i>	<i>4.98</i>	<i>1.76</i>	<i>1.72</i>	<i>4.17</i>	
December -					<i>2.54</i>	<i>1.20</i>	<i>3.00</i>	<i>3.95</i>	<i>7.78</i>	<i>4.20</i>	
TOTALS -					<i>29.01</i>	<i>29.04</i>	<i>39.18</i>	<i>35.33</i>	<i>34.26</i>	<i>35.42</i>	

48 *C* *C* *C* *C* *C*

Bosley Minns
M. S. & L. R.

Cheshire.

+ Ground 3 ft. 6

1210 ft + m s l

weaver - 2.

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -	2.85	.80	2.68	4.21	1.59	1.01	2.60	3.22	1.39	3.64	2.399
February - -	.50	2.14	.59	.69	2.54	2.16	2.21	1.97	1.80	2.72	1.740 -
March - - -	2.30	3.90	3.18	.92	1.89	.70	2.11	1.94	3.30	.89	2.113
April - - -	.95	1.18	2.30	.86	1.21	1.23	.80	4.37	2.13	2.46	1.749
May - - - -	3.34	1.09	3.59	2.08	2.72	3.17	1.39	2.01	1.80	3.81	2.500
June - - - -	5.77	3.12	3.00	4.53	2.40	.64	3.28	1.98	.30	1.10	2.612
July - - - -	2.27	4.63	4.06	2.75	2.03	2.79	2.95	4.96	.43	.91	2.778
August - - -	1.93	1.71	3.73	4.04	2.66	4.19	3.93	3.85	2.74	2.50	3.628
September -	2.98	3.03	3.88	5.16	3.89	.33	4.66	3.30	2.08	5.59	3.492
October - -	3.37	1.76	3.88	6.31	2.08	5.11	2.41	4.10	4.69	3.66	3.737 +
November -	2.60	2.67	1.00	2.98	5.09	3.34	2.79	2.10	1.96	4.46	2.899
December -	2.35	2.62	2.30	2.86	2.53	1.12	2.42	2.97	9.11	3.74	3.202
TOTALS -	36.21	28.65	34.19	37.41	30.63	25.79	31.55	36.77	31.01	35.48	32.849

✓ e e e e + e e e e e e e
1868 Average (17 yrs) 32.53

RAINFALL AT Chelford

W. Chas. Nichols

Knutsford Cheshire

Rain { By

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

Height above Ground, ...1... ft. ...4... in.

Above Mean Sea Level, ft.

weaver - 2.

YEAR.....	1863	1864	1865	1866	1867	1868	1869	MEANS.
January	# 3.56	1.08	1.93	2.75	3.02	2.20	2.61	
February70	2.40	1.75	2.71	2.22	1.95	2.87	
March96	1.72	1.48	1.74	1.34	2.91	1.30	
April	1.28	1.08	1.53	.98	3.66	2.29	2.06	
May	1.69	2.77	3.71	1.36	2.00	1.16	3.77	
June.....	5.27	2.61	1.00	4.77	1.78	.27	1.19	
July	1.92	1.52	3.18	2.85	3.63	.27	1.29	
August.....	3.78	1.98	4.22	5.27	1.29	3.71	2.41	
September ...	4.74	2.92	.35	4.90	2.96	1.57	6.80	
October.....	5.01	1.86	4.20	1.94	3.88	4.80	2.80	
November.....	2.31	2.51	2.43	4.69	1.75	1.85	4.33	
December.....	2.31	1.80	.71	2.91	3.44	7.81	3.78	
TOTALS	33.53	24.25	26.49	36.87	30.97	30.79	35.21	

c c c c c c c

1868 Aug. 22nd = 1.35

Rainfall at Northwich
Cheshire

E. Williams Esq

Weaver Navigation Office
Fleet Gauge

Diameter of Gauge, 8 in.

Height above Ground, 4 ft. 8 in.

Above Mean Sea Level, 42 ft.

Weaver - 2.

YEAR - -	1863	1864	1865	MEANS.
January - -	3.07	.78	1.10	
February - -	.30	1.65	2.11	
March - - -	.20	2.46	1.45	
April - - - -	.48	.85	1.20	
May - - - - -	.71	1.16	2.42	
June - - - - -	4.70	1.72	.79	
July - - - - -	1.44	1.57	2.03	
August - - -	2.27	1.47	3.21	
September -	4.31	3.01	.30	
October - - -	5.35	1.83	2.44	
November -	3.19	1.98	1.96	
December -	2.23	1.86	.38	
TOTALS -	28.25	20.28	19.42	

1863 10th June 2.14 in fall

RAINFALL AT Northwick HighfieldLatterCheshireE. L. Williams Junr.

Rain { By

Gauge { Diameter.....0.5.....in.Height above Ground, ..1.. ft. 6.. in.Above Mean Sea Level, ..42.. ft.weaver - 2.

YEAR.....							1866	1867	1868	1869	MEANS.
January							# 2.76	2.71	2.36	2.44	
February							3.10	1.87	1.82	3.17	
March							1.76	1.60	3.10	1.49	
April85	3.36	1.74	2.20	
May							1.07	1.86	1.22	3.84	
June.....							2.79	1.39	.61	1.05	
July							3.19	4.60	.59	2.05	
August							4.44	1.35	3.26	2.34	
September ..							5.63	1.92	1.87	5.85	
October.....							1.53	3.73	4.56	2.41	
November.....							3.97	1.33	1.89	3.40	
December.....							3.35	3.47	7.39	3.61	
TOTALS							34.44	29.19	30.41	33.85	

c c c c c

[illegible]

Kingsley in Frodsham

Parsonage

~~4th~~Rev^d R. T. Gas M.A.0 in + Ground 0.8 in + Sea Level 193 ft
weaver - 2.

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -		# .24	2.12	3.71	1.38	2.55	2.73	2.56	2.05		
February - -		2.57	.48	.73	2.34	1.72	2.68	1.73	1.89		
March - - -		3.57	3.70	.91	2.58	1.72	1.91	1.48	2.45		
April - - - -		1.73	2.58	1.20	1.62	1.59	1.03	3.53	1.57		
May - - - - -		1.01	5.50	2.38	2.25	4.26	1.87	1.78	1.48		
June - - - - -		2.68	3.05	5.66	3.12	.97	3.59	1.21	4.6#		
July - - - - -		4.25	4.43	2.07	1.80	2.35	2.89	4.84			
August - - -		2.84	3.16	3.25	2.37	4.10	4.21	1.55			
September -		3.84	3.56	5.42	3.50	.53	5.47	1.91			
October - -		1.53	4.55	6.45	1.99	2.05	1.53	3.88			
November -		2.98	1.44	2.96	2.84	2.46	3.77	1.65			
December -		1.87	2.63	2.35	1.76	.84	2.51	3.03			
TOTALS -		29.11	37.20	37.09	27.55	25.14	34.19	29.15			

c c c c c c c c

Lat. 53° 16' 21" Long. W. 2° 42' 40"

Gauge stands "several feet" from thermometer stand in very spacious lawn in front of vicarage. The vicarage stands amid fields known as Black Lees, on account of black winds which sweep across them, chiefly from S.W. The lawn is sheltered from winds on W, S.W. & S. (from a companion to the Weather Glass 1889)

Willaston, Neston
Cheshire

Thomas Waring

+ Ground 4 ft + Sea Level

Lower measey - 3.

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -	#	1.55	1.51	2.15	1.48	1.62					
February - -		2.00	.26	.40	1.99	1.45					
March - - -		2.04	2.44	.42	3.73	1.32					
April - - - -		2.20	1.99	.99	2.09	1.03					
May - - - -		.40	5.46	.83	3.06	2.99					
June - - - -			.87	3.49	2.01	.35					
July - - - -			2.08	1.72	1.06	.85					
August - - -			3.04	3.54	2.21	5.35					
September -			3.12	3.80	4.53	.30					
October - -			3.29	6.87	2.55	3.95					
November -			.97	4.29	3.08	3.75					
December -			2.01	1.90	3.64	.80					
TOTALS -			27.04	30.40	31.43	23.76					

c c c c c

1864 1/2 1865 1/2 1866 1/2 1867 1/2 1868 1/2 1869 1/2

equal to ground level 1/2 1869 1/2

all 1869 1/2

RAINFALL AT

Birkenhead

New Brighton

60

Wm Bouch

Wallasey

Cheshire.

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

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

Above Mean Sea Level, ...19..... ft.

Lo. mercy - 3.

YEAR								1867	1868	1869	MEANS.
January								2.42	2.05	2.90	
February								1.40	2.13	2.64	
March								1.29	2.80	2.02	
April								2.96	1.91	2.46	
May								2.00	2.63	5.40	
June								1.16	.32	1.65	
July								3.40	.32	.47	
August								2.30	3.21	2.97	
September ...								1.61	1.48	6.06	
October								4.94	3.91	3.05	
November ...								2.30	2.40	5.26	
December								2.45	6.48	3.97	
TOTALS.....								28.23	29.64	38.85	

c c c

1868 6 in garden hedges about 4 ft high 16 ft distant
all round

RAINFALL AT New Brighton

Magazines

Cheshire.

Observer.....Wm Bouch.....

Rain { By.....

Gauge { Diameter.....5.....in.Height above Ground,.....1.....ft.....8.....in.Above Mean Sea Level.....118.....ft.Lo. mercy - 3.

YEAR.....								1867	1868	1869	MEANS.
January.....								1.75			
February								1.47			
March								1.34			
April.....								2.82			
May								1.56			
June.....								.84			
July								3.69			
August.....								1.72			
September.....								2.48			
October								4.44			
November.....								1.65			
December.....								2.85			
TOTALS								26.61			

Sheltered by Trees

This G. is three quarters of a mile from the other G. of Mr. Bouché's and is on the Eastern Slope of the Hill on which New Brighton stands.

RAINFALL AT New Brighton

Cheshire.

Observer.....W. Boush.....

Rain { By.....

Gauge { Diameter.....5.....in.Height above Ground, 1.....ft. 2.....in.Above Mean Sea Level, 130.....ft.L. macey - 3.

YEAR.....								1867	1868	1869	MEANS.
January.....								# 2.46	1.92	3.07	
February								1.54	1.75	2.31	
March								1.97	2.36	1.29	
April								2.70	1.53	2.18	
May								1.80	2.68	4.04	
June.....								—	.27	1.40	
July								3.45	.31	.63	
August.....								1.54	3.18	2.05	
September.....								2.38	1.48	5.72	
October								4.58	3.66	2.59	
November.....								1.63	2.06	3.91	
December.....								2.90	6.59	3.03	#
TOTALS								27.79	32.22		

c c c

1867 April 19th a slight leak found in the G.

G. supposed to have been leaking slightly for some time.

Cheshire
 RAINFALL AT Pulford Hall

Cheshire

Observer Richard Mapie

Rain { By Leasalle

Gauge { Diameter 5 in.

Height above Ground, 3 ft. in.

Above Mean Sea Level 505.60 ft.

Dec - 4.

YEAR.....								1867	1868	1869	MEANS.
January.....								# 2.07	1.72	2.61	
February								1.01	1.61	1.58	
March								1.74	1.57	1.22	
April								2.63	1.20	1.17	
May								2.06	1.56	4.81	
June.....								.79	.24	.85	
July								2.80	1.82	.62	
August.....								1.11	2.62	1.39	
September.....								1.44	2.06	4.00	
October								3.41	2.39	2.65	
November.....								.91	1.72	2.98	
December								2.17	5.91	2.53	
TOTALS								22.14	24.42	26.41	

In the front of the house which shelters it in some measure from the W, to the E it is quite open, on the N & S there are some trees about 13 yards distant

1867 & 1868 when compared show an excess in the latter year notwithstanding the unprecedented drought and the state of the country bore out this as it was much wetter at the end of 1868 than of 1867, the Springs, ditches and ponds were then low, were fully replenished, the ground is saturated and the waters out

RAINFALL AT Leicester

27 Crane Street

Cheshire.

Observer J. Hordacre Esq. C.E.

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

Height above Ground, ...1...ft...4...in.

Above Mean Sea Level...29.....ft.

Dec - 14.

YEAR.....										1869	MEANS.
January.....										1.68	
February										1.93	
March										1.17	
April.....										1.93	
May										5.48	
June.....										1.15	
July63	
August.....										1.87	
September.....										5.02	
October										2.10	
November.....										2.76	
December.....										2.49	
TOTALS										28.21	

c

Gauge slightly sheltered by walls

RAINFALL AT Lobster

Cheshire

Hole Bank n. the Sea

Observer.....

Rain { By.....
Gauge {

Diameter.....in.

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

Above Mean Sea Level.....⁵⁵ft.

Dec - 4.

YEAR.....										1869	MEANS.
January.....										1.43	
February										2.20	
March										2.40	
April.....										2.00	
May										4.85	
June.....										1.50	
July50	
August.....										1.80	
September.....										4.25	
October										2.20	
November.....										2.85	
December										2.25	
TOTALS										28.23	

c

RAINFALL AT Neston

Cheshire.

Observer.....

Rain { By.....

Gauge { Diameter.....5.....in.Height above Ground, 4 ft.....in.Above Mean Sea Level 50⁷ ft.Dec-4.

YEAR.....						1865	1866	1867	1868	1869	MEANS.
January.....						1.80	2.04	1.78	1.40	2.21	
February						1.25	2.51	1.22	2.10	2.54	
March						1.38	1.73	1.20	2.60	1.55	
April						1.36	1.14	2.54	1.80	1.10	
May						3.15	1.65	2.27	1.76	4.33	
June.....						.98	3.16	.67	.20	.96	
July						1.36	2.62	2.33	.20	.28	
August.....						3.87	2.96	1.18	3.27	1.56	
September.....						.32	4.38	1.76	1.70	3.90	
October						2.24	1.27	4.14	2.46	2.80	
November.....						1.60	3.85	.86	2.24	3.14	
December.....						.90	1.96	3.22	7.45	2.52	
TOTALS						20.21	29.27	23.17	27.18	26.89	

Sheltered from N by the house, otherwise well placed.

RAINFALL AT Hinderston

Neston Cheshire

Observer Reginald Bushell Esq.

Rain { By

Gauge {

Diameter 5 in.

Height above Ground, 1 ft. in.

Above Mean Sea Level 195 ft.

Dec - 4.

YEAR.....										1868	1869	MEANS.
January											# 2.49	
February											2.30	
March											1.61	
April											1.27	
May											4.80	
June											1.10	
July30	
August											1.98	
September											4.39	
October											2.52	
November											3.26	
December											2.54	
TOTALS										(28.75)	28.56	

1868 [↑] computed from Neston 9/2

Gauge thoroughly exposed. Funnel with sharp rim
and long narrow tube - 