

Rainfall at Bath

Somerset.

Royal Literary & Scientific Institution

C P Russell

Diameter of Gauge, in.

Height above Ground, 8 ft. in.Above Mean Sea Level, 54 ft.

L. Ann - 1.

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -							5.48	4.16	5.06	5.17	
February - -							4.45	2.62	1.72	2.90	
March - - -						1.09	2.00	4.05	1.62	1.45	
April - - -						1.02	1.78	3.11	2.41	.93	
May - - -						2.02	1.07	2.01	.70	4.80	
June - - -						1.41	3.17	1.40	.53	1.44	
July - - -						3.78	2.41	3.16	.55	1.08	
August - -						4.51	2.60	2.10	4.43	1.09	
September -						.03	6.87	1.87	3.30	4.43	
October - -						5.69	1.57	3.62	2.69	2.03	
November -						3.87	2.25	.91	1.93	2.51	
December -						2.80	3.24	1.44	5.59	3.86	
TOTALS -							36.60	30.45	30.53	31.69	

G on roof of small obs 8 ft + ground on a level tower near the river which is about 46 ft + S.L.

On the day of fall

1869 Nov^r 27th = 1.30 the heaviest fall since the commencement of the observations in Jan^y 1865

Extract from letter dated Sept^r 4th 1874 "The larger glass is too small throughout but the error is negligible except for larger quantities the precise errors are -

at 10 it is correct

" 20 shows .001 too much

" 30 " .006 " "

" 40 " .011 " "

" 50 " .017 " "

tested before dispatch."

owing however to the greater frequency of small readings I think that the average error per annum will have been about .58 I have ordered a new glass and that it come here to be M^r Symonds to M^r Bloufield.

RAINFALL AT *Bath Literary Institute*

Lat.....

Lon.....

County of *Somerset*

Rain Gauge, by.....

Observer

*L. P. Rupert Esq**L. Avon - 1.*

Diameter	5			6								
Height	8											
Altitude	75											
YEAR	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.	
January.....	2.47	2.28	5.31	4.30	3.08	4.20	1.92	4.42	1.66	3.68	3.352	
February.....	1.92	1.34	3.17	1.26	2.18	2.46	3.47	1.58	1.52	4.07	2.297	
March.....	1.21	1.33	2.08	3.59	1.16	.99	4.35	2.49	1.58	.83	1.961	
April.....	.42	3.58	2.75	.63	1.57	1.70	3.20	2.81	2.21	2.86	2.175	
May.....	2.07	1.09	2.06	1.76	.48	2.25	.38	3.08	7.06	2.81	2.304	
June.....	.76	1.94	3.22	.93	1.07	3.50	.79	.99	4.15	6.67	2.402	
July.....	.62	5.16	2.25	2.67	.91	5.97	1.02	3.53	1.54	3.69	2.736	
August.....	1.25	1.15	1.58	3.07	3.44	1.32	3.90	3.79	5.78	5.22	3.050	
September.....	1.28	5.91	3.06	1.31	6.43	3.72	4.80	3.16	1.89	3.02	3.458	
October.....	5.54	1.58	3.79	2.33	3.77	6.28	1.28	1.95	5.42	1.11	3.305	
November.....	2.21	2.70	4.23	2.71	2.02	4.24	3.79	6.11	3.15	.44	2.960	
December.....	1.63	1.96	4.82	.56	3.55	.92	6.35	1.66	1.84	1.22	2.437	
TOTALS.....	21.38	28.02	38.52	25.94	29.66	37.55	35.25	35.57	37.80	35.62	32.457	

1874 " The measuring glass having been found to be incorrect a new one was procured through Mr Symons and brought into use Sep^r 20^s The previous months of 1874 are corrected for the error."

Bath Abbey Church 90 yds W.
1879 The Institution building is 40ft high & 95 ft distant on the S. of gauge

RAINFALL AT *East. Royal Literary Institute*

80

Lat. _____

Lon. _____

County of _____

Somerset

Rain Gauge, by _____

Observer _____

C. P. Russell, Esq.

L. Area - 1.

Diameter	6											
Height	8.0											
Altitude	75.7											
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.	
January ....	.57	2.01	1.67	3.26	3.70	2.75	4.69	2.24	.70	.85	2.238	
February	3.42	4.06	2.12	3.67	1.38	3.60	.58	.47	2.52	1.50	2.332	
March	1.96	1.82	2.00	.99	2.42	1.06	1.51	2.25	3.57	3.80	2.138	
April	1.63	.53	4.38	.81	.91	2.44	2.09	1.13	2.34	3.56	1.982	
May .....	.73	1.88	1.75	1.04	1.37	3.17	4.97	1.64	1.13	2.19	1.987	
June	1.63	2.78	4.73	3.74	3.82	1.02	.37	1.23	3.31	1.48	2.411	
July	3.50	2.24	5.92	3.36	3.69	.21	2.36	.58	5.84	2.26	2.996	
August .....	.82	4.22	4.06	1.26	1.88	3.04	1.59	1.35	2.68	3.24	2.414	
September....	4.53	1.70	2.56	4.21	1.85	4.74	2.18	3.14	1.41	1.10	2.744	
October	4.56	1.99	4.80	2.96	.86	4.53	4.92	2.67	1.00	2.71	3.100	
November....	2.78	4.01	4.43	3.17	1.52	5.03	3.75	2.72	6.35	1.10	3.486	
December	3.82	3.87	3.87	.79	3.22	1.23	6.10	2.14	3.47	1.69	3.020	
TOTALS	29.91	31.11	42.29	29.26	26.62	32.82	35.11	21.56	34.32	25.48	30.848	

1888 *Abbeey* 100 yards W
Homes 37 ft high 90 ft W + S

RAINFALL AT Bath Royal Institution

Lat. 51° 22' 52" N

Lon. 2° 21' 21" W

County of Somerset North

Rain Gauge, by

Observer

The Librarian

L. won - 1.

W. H. Symonds

Diameter ..		6									
Height		80									
Altitude ..		75							74		
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..	3.23	1.99	1.34	3.72	3.17	.49	4.86	1.32	1.23	1.20	
February ..	5.22	.78	.86	1.85	3.61	.82	2.07	1.36	1.24	.61	
March	1.14	2.30	1.76	3.97	1.80	3.73	1.60	.78	2.47	3.48	
April .....	.95	2.69	1.41	3.11	1.68	2.84	1.20	3.60	2.81	2.21	
May	2.30	1.10	1.96	5.36	1.95	.04	1.77	2.78	1.05	1.61	
June	1.77	1.76	2.89	4.50	1.45	3.43	2.73	2.32	.57	2.97	
July	1.26	2.95	1.20	3.16	2.48	.55	.95	5.14	2.45	2.39	
August	2.59	1.53	2.80	4.02	2.80	3.90	1.79	2.14	1.07	3.18	
September ..	.56	2.48	1.84	2.39	1.34	1.65	.74	.53	2.31	3.10	
October	2.91	1.54	2.00	7.05	.69	1.43	5.22	5.67	1.78	4.90	
November ..	2.65	.69	2.60	2.33	1.82	3.09	3.07	2.29	.97	1.27	
December ..	6.31	5.91	2.19	2.37	1.96	.97	1.93	4.92	2.73	4.51	
TOTALS ..	30.89	25.72	22.85	43.86	24.75	^{22.64} 22.75	27.43	32.85	20.68	31.43	

1905 Observer says record not very satisfactory
1905-07-08 Received & Entered June 30th 1920. Observers figures 1905.

2275 printed B.R. 1905

RAINFALL at Bath Royal InstitutionCounty of SomersetObserver D^r W. H. G. JonesRiver Basin Lower Avon 1W. A. H. Jones a.s.i.
Bath Herald 1919

Rain Gauge, by

Diameter ...	6										
Height	8. 0										
Altitude ...	74										
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...	2.83	.89	4.76	5.06	.59	4.28	1.99	1.51	3.12	4.79	
February ...	3.84	1.97	2.13	1.13	3.00	5.82	4.90	2.20	1.48	2.44	
March .....	.69	2.58	5.87	3.46	4.15	.96	4.16	2.45	1.02	4.73	
April	2.95	1.20	.27	3.28	1.73	1.00	1.22	2.11	2.72	2.24	
May	1.27	.73	1.65	2.59	1.52	2.84	2.40	2.71	1.64	.53	
June	5.58	1.72	3.02	.63	2.05	2.02	2.25	4.61	1.00	1.02	
July	1.90	.00	3.65	.40	3.12	3.52	1.21	2.67	4.86	2.41	
August	4.87	1.06	6.01	1.98	2.25	2.52	4.14	7.88	2.61	2.84	
September ..	.14	1.02	.79	3.37	1.28	1.90	1.32	2.53	6.78	1.38	
October ...	4.74	3.05	4.28	3.12	2.50	4.10	7.25	5.17	1.38	1.92	
November ..	4.48	3.74	2.35	2.54	4.05	1.96	3.68	.76	2.20	1.85	
December ...	5.45	7.62	5.32	2.22	6.95	5.55	4.41	.48	3.12	5.64	
TOTALS ...	38.74	25.88	40.10	29.78	33.19	36.47	38.93	35.08	31.75 31.93	31.79	

1910 Beech Lane 45 ft high 50 ft ENE
 Inclination 36°. 126. 50

1915 Bath Herald quote 31 3/4 in

1915-1919 Received & Entered June 30th 1920.
 31.75 inches in S. R. 1918.

Gauge quite a curiosity, built into top of high covered
 thermometer screen. Rain runs through top into
 measuring glass inside. Rim of g. unmeasurable
 owing to bluntness, thickness & irregularity. all very old.

f. Inspected Sept. 1912 D.P.



Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
51.22.52	2.21.21		fwr	1/4 mi	S	Bath Abbey	30 ft	W

RAINFALL at Balt (Royal Institution)County of LongleburyObserver E. G. Davey Esq.River Basin 1 - L. anor.

Rain Gauge, by _____

Diameter ...	6										
Height	8.0										
Altitude ...	74										
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	MEANS.
January ...	4.23										
February ...	1.16										
March	2.02										
April	4.09										
May	1.69										
June	3.08										
July	5.93										
August	1.05										
September...	1.04										
October	2.88										
November...	1.75										
December...	2.44										
TOTALS...	31.36										

Position of Station on reduced Ordnance Survey }
Map, 2 miles to 1 inch Series

No. of Map

Reference No.

Date.	Lat. N.	Long. W.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge	Direction from gauge
	52° 22'	22° 21'	8222	4 m.	S.	Balt Abbey.	300 ft.	W.