

Rainfall at Leeds
Philosophical Hall

v 20

Y352

Apr. 20 a

Diam: 10 in + ground 40 feet

+ Sea level 137 ft

YEAR - -	1820	1821	1822	1823	1824	1825	1826	1827	1828	1829	MEANS.
January - -					1.50	1.20	.46	1.48	2.50	.28	
February - -					.61	.24	2.61	.63	.64	.12	
March - - -					2.26	1.10	.55	2.38	1.52	.10	
April - - -					.79	1.39	1.59	.97	1.19	.18	
May - - - -					.56	2.61	.53	1.66	1.69	.10	
June - - - -					2.08	1.20	.39	.84	2.96	2.10	
July - - - -				3.88	.71	.54	1.59	1.31	5.96	5.17	
August - - -				4.24	1.68	2.51	1.64	2.83	2.87	6.66	
September -				2.19	3.72	1.70	3.75	1.66	2.20	2.20	
October - - -				2.44	6.21	2.39	1.77	4.31	1.10	1.29	
November - -				1.66	2.99	2.90	1.14	1.46	1.32	1.43	
December - -				3.96	4.11	2.86	1.25	3.00	2.07	.03	
TOTALS - - -					26.72	20.64	17.27	22.53	26.10	14.66	

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Hyd. No 676081

N52 S (44) 4298 338

Alt 42m

Leeds
Philosophical Hall

Co. IV. 51

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4352

Dep. No. 20 a

Diam. 10 in + Ground 40 feet + Sea Level 137 feet

YEAR - -	1830	1831	1832	1833	1834	1835	1836	1837	1838	1839	MEANS.
January - -	.10	2.32	.84	.66	3.81	2.90	1.30	1.85	1.83	1.08	1.669
February - -	.23	2.49	.18	2.80	1.42	2.64	1.49	.74	2.80	.70	1.549
March - - -	.11	2.04	1.40	1.28	1.37	2.56	2.35	.80	1.44	1.22	1.457
April - - -	1.26	1.42	1.55	.30	1.00	1.63	2.43	.70	1.61	.50	1.240
May - - - -	3.71	1.96	1.24	1.34	1.50	1.63	.56	1.04	2.05	.56	1.559
June - - - -	3.59	2.30	2.93	3.52	1.80	1.96	2.60	1.15	2.07	3.20	2.612
July - - - -	3.59	3.48	2.14	1.24	4.44	.90	3.08	1.11	2.08	4.40	2.646
August - - -	1.95	3.70	4.33	3.36	2.23	.87	1.00	1.46	1.79	2.56	2.325
September -	4.52	1.26	.54	1.83	1.55	2.68	2.40	1.34	1.70	2.96	2.078
October - -	.30	4.50	2.50	1.59	.53	2.97	2.80	1.30	2.29	3.63	2.241
November -	2.71	3.96	2.58	1.74	.72	2.95	3.20	.99	1.90	2.90	2.365
December -	1.64	2.10	2.60	3.46	1.06	.95	3.23	1.45	.80	1.92	1.921
TOTALS -	23.71	31.53	23.83	23.12	21.43	24.64	26.44	13.93	22.36	25.63	23.662

✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓

Seeds

40
C. 141

Philosophical Hall

Henry Denney Esq. A.L.S.

Mps Rut: N^o 20^a; 20^b; 20

10ⁱⁿ²

40 ft + ground

+ Sea Level 137 ft

YEAR - -	1840	1841	1842	1843	1844	1845	1846	1847	1848	1849	MEANS
January - -	1.73	2.76	1.50	.91	1.08	.91	1.63	1.73	2.28	1.48	1.601
February - -	1.58	1.12	1.30	3.07	.96	2.16	36	1.50	4.27	1.82	1.814
March - - -	.30	1.01	2.65	.88	1.03	.88	1.13	2.25	3.16	1.06	1.435
April - - -	1.02	2.00	.30	3.49	.91	.92	4.20	2.42	.83	2.58	1.867
May - - - -	3.61	2.08	1.24	3.75	.99	2.02	1.46	2.70	1.22	.26	1.933
June - - - -	1.82	2.53	.70	2.83	.81	2.56	2.06	2.33	4.95	1.90	2.249
July - - - -	3.25	2.60	3.99	2.88	1.15	3.10	1.85	1.06	2.14	2.58	2.460
August - - -	2.10	2.96	1.00	3.57	2.90	2.66	2.46	1.98	3.97	1.70	2.530
September -	2.88	.50	2.40	1.77	.82	2.12	.71	.16	4.03	3.48	1.867
October - - -	1.05	3.63	1.25	2.44	1.17	1.98	3.73	2.08	2.30	3.12	2.275
November -	2.69	2.54	2.90	2.63	2.37	.78	.65	.49	1.79	2.19	1.903
December -	1.66	1.29	.70	1.07	.32	4.07	1.36	2.38	1.08	2.59	1.652
TOTALS -	23.69	25.02	19.73	29.29	14.57	24.76	21.60	21.08	32.02	24.76	23.586

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Leeds

Philosophical Hall.

Henry Donny Esq. A.L.S

Mps Ret: No 20th 25. 20

10 in

40 feet + ground + Sea level 137 feet

YEAR - -	1850	1851	1852	1853	1854	1855	1856	1857	1858	1859	MEANS.
January - -	1.53	1.50	3.23	2.96	.31	.06	2.53	2.03	.74	1.13	1.610
February - -	1.72	.66	1.16	.39	.34	1.39	1.35	.31	.56	1.11	.899
March - - -	.33	2.36	.39	.06	.53	1.20	.29	3.23	.30	2.16	1.181
April - - -	2.03	1.43	.09	1.16	.67	.35	2.11	3.11	2.24	4.00	1.719
May - - - -	2.23	1.13	.77	1.19	1.37	1.32	3.63	1.62	1.44	.73	1.543
June - - - -	.99	3.13	3.50	2.41	2.63	1.62	1.79	2.70	2.40	1.99	2.332
July - - - -	2.04	2.11	2.28	2.19	1.96	2.02	1.59	2.14	1.15	3.62	2.190
August - - -	1.71	1.74	1.67	1.40	1.38	1.07	3.95	4.79	2.22	3.37	2.410
September -	2.56	1.48	3.44	1.68	.43	.47	2.69	2.19	2.75	3.50	2.119
October - - -	.20	1.29	3.69	3.19	1.11	4.23	1.71	1.17	3.63	2.19	2.249
November - -	2.25	1.26	5.22	2.17	2.02	.54	.52	1.20	.04	1.48	1.750
December - -	.74	.34	2.12	.46	1.49	.54	2.03	.65	1.50	1.43	1.130
TOTALS -	18.41	18.51	27.56	20.06	14.24	10.49	24.19	25.30	19.93	26.71	21.40

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Leeds

Philosophical Hall.

Imp. Rec. No. 20,

Henry Denny

140 68

From 132

40 ft + ground.

+ Sea Level 137 ft.

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -	2.98	.02	1.27	4.24	.91	.14	1.79	1.95	2.36	2.37	
February - -	.50	1.56	.36	.61	.45	.18	2.13	1.29	1.23	2.20	
March - - -	1.39	3.42	2.71	.97	.29	.10	.97	1.53	1.61	1.80	
April - - -	.75	1.48	1.28	.87	.18	.51	1.15	2.18	1.65	1.33	
May - - -	2.01	.76	2.99	1.87	.13	1.31	.66	1.56	.88	4.25	
June - - -	4.43	1.79	1.94	2.34	.22	.61	2.24	1.04	.13	.60	
July - - -	2.59	3.94	1.84	1.07	.30	1.78	3.79	2.61	.26	.30	
August - - -	3.95	.78	1.50	3.03	.19	3.14	3.16	2.29	1.65	1.33	
September -	2.27	3.26	1.94	5.47	.25	.15	4.36	1.62	2.92	3.74	
October - -	1.48	.93	4.22	7.51	2.12	3.90	2.32	1.67	2.41	1.17	
November -	3.25	2.69	.37	2.27	2.51	2.53	3.47	1.00	1.59	.88	
December -	1.91	1.22	1.32	1.26	1.25	.86	2.16	2.21	6.46	4.12	
TOTALS -	28.31	21.85	21.74	31.51	8.60	15.21	28.20	20.95	23.15	24.09	

8.60 (duhinstotal)

In 1862 5ft above ground, 156ft above sea

" 1861 Aug. to Dec. 17

17

" 1863 Jan. 17

17

= 14.53.

From July 1861 taken at 4 Henslow Place.

In 1866 the measuring glass was broken, a new one incorrect was used and wrong values obtained - the above are correct.

RAINFALL AT *Leeds Philosophical Inst.* 80

Lat. Lon. County of *York*
 Rain Gauge, by Observer *H. Crowther Esq.*
Cuse - Aire - 9 Registrar General

Diameter							8				
Height						47.0	46.				
Altitude			137				180 T				
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January		62.2	49.3	75.4	04.1	29.1	3.54	1.58	.57	.75	
February		3.59	1.64	1.94	1.94	2.14	53	.82	.73	1.00	
March		3.87	1.78	.52	1.45	1.31	2.03	.90	2.70	2.12	
April		1.39	3.21	2.85	1.82	1.24	1.70	.70	2.09	2.25	
May		1.33	1.20	.91	1.12	2.16	4.08	2.01	.63	2.65	
June		1.66	3.33	3.42	.74	2.78	.88	.06	2.56	.45	
July		2.15	3.04	3.25	4.62	.89	(4.62)	1.10	4.04	1.40	
August		3.71	1.63	1.78	.94	.85	1.87	1.56	1.65	3.25	
September ...		2.22	1.54	4.15	1.38	2.26	1.16	2.41	.61	1.18	
October		2.65	3.64	2.60	1.51	4.15	3.80	1.89	.43	3.40	
November		3.30	2.98	2.53	.70	2.09	1.66	1.92	5.68	.93	
December		2.15	2.98	1.06	2.71	.52	3.85	1.59	1.66	1.61	
TOTALS ...	(32.39)	28.64	29.46	28.81	22.97	21.68	(29.72)	16.54	23.35	20.99	(25.455)

Holbeck B- for purpose of average VII. 1911.
 1882 Nov. & Dec. amounts suspicious
 1886 Gauge which holds 2.30 in overflowed on July 25th.

N.B. Rejected from Survey as 1' low.

RAINFALL AT Leeds Museum

Lat. _____

Lon. _____

County of _____

York W.R.

Rain Gauge, by _____

Observer _____

E. R. Waite Esq

H. Crowther Esq

Rise Aie 9

Diameter	10										
Height	46 0										
Altitude	180		137	177							
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	3.28	1.32	1.43	.71	2.65	4.00	.46	2.18	.66	3.38	2.007
February ....	.69	.03	2.11	3.03	4.41	.28	.82	2.85	1.39	1.27	1.658
March	1.66	.96	.80	.29	1.71	2.08	2.82	2.59	.78	1.04	1.478
April .....	.85	1.66	1.06	.87	3.08	1.55	1.21	1.81	2.62	1.67	1.658
May	2.62	2.08	2.91	1.90	1.37	.43	.50	1.29	1.81	2.87	1.778
June	1.55	.91	4.23	1.74	2.28	3.10	3.56	2.88	2.43	1.39	2.1107
July	2.94	2.42	1.81	4.41	2.66	6.80	1.42	.39	.84	1.47	2.516
August	3.94	3.65	2.67	2.22	2.60	1.82	1.92	2.75	3.23	1.57	2.637
September....	1.69	1.48	1.53	1.52	.43	1.13	3.19	2.17	.31	3.07	1.652
October.....	.70	3.63	7.01	2.25	3.87	3.32	3.97	1.63	3.50	2.15	3.203
November....	2.31	2.88	1.80	1.45	1.45	3.10	1.52	2.42	1.76	.89	1.958
December ....	.79	4.14	.52	2.55	1.49	2.83	3.39	2.53	2.13	2.55	2.292
TOTALS ...	23.02	25.16	27.88	22.94	28.00	30.44	24.78	25.49	21.46	23.32	25.219

1896 Leeds Parish Ch 3/4 mile E

1898 St Pauls Ch 800 yards W

Bank 20 ft high 60-70 ft N

N.B. Deflected from Survey as 1" low.

RAINFALL AT Leeds Museum

Lat. 53° 47' 51" N

Lon. 1° 32' 45" W

County of York W. Central

Rain Gauge, by

Observer W. Bowler Esq

Base Line 9

Diameter ..	10										
Height	46.0										
Altitude ..	177 ft										
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEAN.
January ..	3.15	1.29	1.00	2.11	2.33	.56	2.86	.71	1.34	1.22	1.657
February ..	3.88	1.11	1.16	1.90	3.16	1.26	1.76	1.34	1.31	.57	1.745
March ....	.44	1.63	.84	3.02	1.68	1.96	1.48	1.57	3.90	2.62	1.914
April	1.00	1.90	1.69	1.28	1.14	2.31	.48	1.33	2.20	2.39	1.572
May	1.23	1.14	2.60	3.29	2.81	.60	1.67	3.55	1.92	1.69	2.050
June	2.67	.87	1.74	1.40	1.02	2.28	1.74	2.71	.84	2.49	1.776
July	3.58	.95	1.74	2.34	1.66	1.10	1.06	1.76	2.37	2.75	1.931
August	5.18	1.30	3.88	2.24	3.36	4.00	1.57	1.26	1.92	2.41	2.712
September ..	.43	.93	.95	3.46	.72	1.50	.46	.60	2.00	1.48	1.253
October	3.10	1.63	2.34	6.79	.45	1.64	4.21	5.10	1.26	1.84	2.836
November ..	2.80	3.25	1.49	1.14	1.56	3.31	2.87	3.26	1.19	.30	2.117
December ..	2.82	4.42	1.98	1.13	1.44	.26	2.36	2.46	1.77	4.67	2.331
TOTALS ..	30.28	20.42	21.41	30.10	21.33	20.78	22.52	25.65	22.02	24.43	22.894

1901 St. Pauls Church ^{100 yards} 1/3 mile W
 Bank 60 ft high ^{100 yards} 75 ft N
 1903 Midland Station 300 yards S
 1906 Trinity Church 1/4 mile SE

N.B. Rejected from survey as 1" low.

RAINFALL at Leeds MuseumCounty of W. YorkshireObserver H. G. W. H. G.River Basin Ouse-Aire

Rain Gauge, by

Diameter ...	10										
Height	46.0										
Altitude ...	177 ft										
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January	2.89	.72	3.67	2.92	1.17	3.63	.91	2.23	1.86	3.67	
February	1.93	1.45	1.94	.62	1.37	3.15	3.63	.45	2.59	1.25	
March	.44	.78	3.19	2.92	2.05	.99	4.01	2.32	1.03	4.00	
April	1.96	.73	.17	2.46	1.06	.69	1.09	1.48	.98	1.54	
May	1.63	1.13	3.14	2.10	.80	1.26	2.10	2.18	2.98	1.74	
June	2.18	3.99	4.54	1.55	1.71	1.51	1.25	1.31	1.19	.42	
July	2.94	.37	4.74	.55	3.13	3.27	.94	1.02	4.59	3.07	
August	3.28	1.87	5.09	1.16	1.95	2.50	1.62	5.48	2.30	2.05	
September	.14	2.51	1.21	1.14	1.12	.61	1.84	.63	6.80	.71	
October	3.15	2.44	2.53	2.66	2.06	.91	4.06	3.94	1.93	2.78	
November	3.81	2.79	1.78	1.93	3.01	1.93	2.89	1.40	.99	1.67	
December	2.51	3.66	2.03	1.79	5.39	6.08	1.82	1.25	4.63	3.23	
TOTALS	26.86	22.44	34.03	21.80	24.82	26.53	26.16	23.69	31.87	26.63	
		2	2	2	2	2			2	2	

1912 Bank 20 ft high 40 ft N
1918 50 yds N

N.B. Rejected from Survey as 1' low.

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
50.4.75	1.32.45W	Midland	50 yds 14 m 120 yds	5.3 W S	Trinity	110 yds 1/2 m	S E S W	

RAINFALL at Leeds MuseumCounty of N.B. YorkshireObserver H. Grouther Esq.River Basin Guse-Aire

Rain Gauge, by _____

Diameter ...	8										
Height	46	Roof exposure									
Altitude ...	177										
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	MEANS.
January ...	3.04	3.38	3.18	1.31	1.94	2.26	2.71				
February ...	1.66	1.09	2.40	3.74	.92	3.88	2.34				
March	1.75	1.17	1.58	1.37	1.25	.83	.72				
April	3.66	1.31	2.47	1.78	1.45	3.07	1.19				
May	2.25	1.19	.93	3.12	3.39	3.71	2.54				
June	1.47	.61	1.33	.60	1.63	.07	3.10				
July	5.28	.46	3.62	4.22	2.66	.71	2.73				
August	1.56	3.75	4.53	2.21	2.47	2.06	2.75				
September...	1.18	.79	2.37	2.32	2.32	2.78	1.10				
October	1.87	1.70	.79	1.98	2.83	2.96	2.42				
November...	1.09	2.55	1.44	2.96	2.10	2.02	5.48				
December...	2.62	3.19	3.40	2.91	2.68	3.74	1.44				
TOTALS...	27.43	19.54	27.94	28.52	25.64	28.09	28.52				
	D	D	D	D	D	D	n/p				

1920. Bank 200 ft High 60 yds N

1925. " 70 " " 50 " N

1926 Deleted from British Rainfall on account of roof exposure
see encl 7A File 660360/26

N.B. Rejected from Survey as 1' low.

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
1920	53° 27' 6"	1° 32' 45"	Midland	600 yds	S	Trinity	3/4 1/2 mi	SE