

563537

RAINFALL AT *Manchester Whitworth Park*

Lat. \_\_\_\_\_

Lon. \_\_\_\_\_

County of *Lancashire*

Rain Gauge, by \_\_\_\_\_

Observer *Prof Schuster**Mersey-Inwell 3**W Bates & Ramsden Eng*

Diameter ....							8				
Height .....							16				
Altitude ....							126				
Year .....	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January ....							1.17		1.52	3.50	
February ....							1.51		2.20	.96	
March .....							4.48		1.38	1.44	
April .....							1.76		1.90	2.45	
May .....							.56		2.83	2.41	
June .....							2.96		3.00	1.39	
July .....							2.12		.83	2.97	
August .....							2.85		6.31	.99	
September....							5.46		.51	4.47	
October .....							4.35		3.48	3.08	
November....							1.14		2.14	1.42	
December ....							3.22		3.18	2.43	
TOTALS ....							31.58	<i>No Rain</i>	29.31	27.51	

*Greenhouse 7 ft. high 10 ft. N.*MET. O.S. RAIN-GAUGE  
RETROSPECTIVE.

563537

NGR: 55(33) 847958

ALT: 126 ft. = 38

maison Date of review: 11.1.1979

563537

2834

RAINFALL AT Manchester Whitworth Park

Lat. .... Lon. .... County of Lancashire South  
 Rain Gauge, by ..... Observer Met. Council

Messy Swell 3

Diameter ..				8							
Height ....				15							
Altitude ..				126							
Year ....	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..				2.50	2.56	1.96	4.22	1.37	2.08	1.56	.137
February ..				2.63	2.85	1.81	3.15	1.65	2.59	1.11	.111
March ....				3.40	1.69	3.65	2.69	2.57	2.21	2.60	.27
April .....				1.58	2.20	2.73	1.49	1.02	2.22	2.82	1.02
May .....				3.40	1.77	.81	2.93	3.66	1.98	1.46	.81
June .....				1.34	1.11	2.49	1.22	4.99	1.73	1.90	.96
July .....				3.77	1.42	2.82	1.80	3.55	3.89	4.94	1.80
August ....				3.93	4.22	5.11	2.39	3.54	2.57	3.41	.72
September ..				4.38	1.20	2.53	1.54	.85	2.70	2.19	.85
October ....				6.53	1.62	3.36	5.25	3.00	1.44	4.71	1.34
November ..				3.45	2.55	3.11	2.44	2.15	2.50	1.03	1.03
December ..				.96	2.60	.60	3.08	2.63	2.32	6.48	.60
TOTALS ..				37.87	25.79	30.98	32.20	30.98	28.23	34.21	

MET. O. R. RAINFALL  
 RETROSPECTIVE SITE REVIEW

563537

NGR: 55(33) 847958

ALT: 126 ft 38 metres. Date of review: 11.1.1979

RAINFALL at Manchester Whitehall ParkCounty of South LancashireObserver W. C. Lantberry Esq

Meteorological Office 1911

River Basin Messy - Inwell 3

Rain Gauge, by \_\_\_\_\_

Diameter ...	8											
Height .....	1 5											
Altitude ...	126											
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	10 years Means	
January ...	3.55	1.15	2.56	2.94	2.14	4.57	2.52	2.25	2.56	3.55	2779 10.88	115
February ...	2.61	2.79	.83	1.25	2.00	2.56	4.44	1.22	4.02	.69	2241 10.37	.69
March .....	.94	1.39	3.90	3.31	3.69	1.46	1.97	1.73	1.26	5.28	2493 10.24	.94
April .....	2.51	2.88	.72	3.98	1.09	1.42	2.44	1.81	.94	1.83	1962 7.02	.72
May .....	3.17	1.17	2.45	2.61	1.92	1.42	2.50	2.44	2.95	1.61	2224 9.50	1.61
June .....	3.53	2.63	3.84	1.85	2.51	2.68	3.56	2.01	1.50	1.49	2560 8.56	1.49
July .....	4.00	.99	4.15	1.28	4.04	5.56	1.67	1.92	3.86	1.91	2938 9.36	.99
August .....	4.68	2.73	5.39	2.06	2.59	3.55	2.30	5.87	2.95	3.60	3572 14.72	2.06
September ..	.19	3.48	1.61	1.55	2.53	.55	2.15	1.86	3.47	1.84	2423 14.32	.19
October ...	2.67	2.36	2.56	1.60	1.59	1.30	4.07	5.40	2.99	2.31	2785 14.77	1.60
November ..	4.04	2.80	2.32	3.16	3.50	1.73	2.22	3.50	1.69	2.75	2771 10.16	1.69
December ...	2.19	5.00	3.60	2.52	5.01	5.79	2.83	1.49	6.34	5.86	4063 16.52	1.49
TOTALS ...	34.08	29.37	34.93	28.11	32.61	32.59	32.67	31.50	39.53	32.72	32811 136.42	32811
	P					m.m		h.m		D		

MET. O.S. RAINFALL

RETROSPECTIVE - 1910-1919

O.S. STATION

563537

NGR: 55(33) 847958

ALT: 126 ft = 38 metres Date of review 11.1.79

+ Inspected

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.



RAINFALL at Manchester Whitworth ParkCounty of LancashireObserver Manchester UniversityRiver Basin Mersay - Irwell 3A. M. Jones, Esq.  
H. E. Markin (25)

Rain Gauge, by \_\_\_\_\_

Diameter ...	8												
Height .....	1 5												
Altitude ...	126												
Year .....	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930. MEANS.		
January ...	4.29	4.71	2.93	2.71	2.92	2.05	2.90	3.57	7.68	1.82	4.02	39.60	39.60
February ...	3.19	3.36	3.63	4.23	1.05	5.00	2.90	1.41	3.43	1.02	2.88	36.50	36.50
March .....	3.02	2.31	2.17	1.60	1.20	1.16	1.44	3.23	1.76	1.01	2.65	21.55	21.55
April .....	4.39	1.19	2.74	2.83	1.62	2.01	1.53	2.05	0.85	1.07	1.63	21.91	21.91
May .....	5.61	1.92	1.34	2.93	5.20	5.12	3.37	1.41	1.20	2.61	1.96	32.67	32.67
June .....	2.68	3.38	2.06	1.69	2.71	0.6	2.04	4.72	5.32	1.01	2.48	24.15	24.15
July .....	6.52	1.17	4.27	4.82	3.62	1.98	3.13	1.87	1.77	3.30	6.15	38.60	38.60
August .....	1.79	4.14	4.32	4.15	4.96	3.94	3.74	4.06	4.89	3.91	4.51	44.41	44.41
September...	2.50	7.8	3.17	3.67	3.35	4.11	2.92	5.69	1.01	2.06	2.90	32.16	32.16
October .....	1.47	2.22	3.32	4.07	4.26	4.28	3.40	2.46	3.94	5.17	4.57	36.16	36.16
November...	9.9	2.15	2.33	4.94	1.36	2.81	4.93	3.22	4.48	6.46	4.84	38.01	38.01
December...	2.60	4.37	3.79	4.11	3.74	2.36	1.46	1.04	1.77	6.03	3.13	34.40	34.40
TOTALS...	39.05	25.70	33.07	40.75	35.99	34.88	33.76	24.73	38.10	35.47	38.62	370.12	370.12
	D	D	D	D	D	D	D	D	D	D	D	D	D

METEOR. RAINFALL  
RETROSPECTIVE SITE REVIEW

NGR: 55(33) 847558

ALT: 126 ft = 38 metres. Date of review: 11-1-1973

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° 25'	2° 14'						

RAINFALL at Manchester (Whitworth Park) M.W.R.County of South LancashireObserver Manchester UniversityRiver Basin Mersey-Irwell-3

(Dr A.E. Rustin)

Type of Gauge SnowdonAnnual Average 31.7 in. based on 35 years obs. un-weighted. Period of average 1881-1915 Ref Bd N

Diameter	8.											
Height	1.5.					1.0						
Altitude	125.					125'						
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means	Total
January	4.63	3.99	2.01	2.10	2.07	3.59	3.06	3.83	4.44	2.06		31.38
February	3.82	1.09	3.07	3.32	3.03	1.98	4.72	1.07	3.65	1.88		23.61
March	3.31	1.81	2.79	2.22	1.22	1.47	1.35	1.09	1.60	2.78		16.64
April	3.29	2.93	1.98	1.72	2.74	1.91	2.64	3.1	2.13	1.94		19.5
May	2.68	4.46	1.76	1.91	1.84	1.57	1.86	3.43	1.91	1.36		20.7
June	5.59	3.5	3.69	2.04	3.21	3.43	1.19	2.60	2.58	89		26.57
July	3.71	3.78	2.83	2.14	1.38	3.67	2.19	4.48	6.12	3.96		34.21
August	7.34	1.58	1.10	3.02	2.00	2.37	1.23	2.54	1.73	1.61		24.52
September	3.11	3.29	1.08	2.50	5.23	3.88	1.02	1.83	1.11	3.46		26.51
October	1.66	6.78	4.58	4.58	5.25	2.98	1.55	6.15	1.50	3.42		38.42
November	5.56	2.63	1.14	1.39	4.56	3.67	1.94	4.10	5.33	6.01		36.33
December	1.38	1.12	1.44	4.83	3.26	3.14	2.23	3.56	2.99	3.20		26.25
TOTALS	43.08	32.21	25.47	28.77	34.79	31.66	25.08	35.99	35.29	32.56		324.9
	2.	D	D.	D.	D	D	D	D	D	D		188

1936. July inspection report shows gauge at 12".

MET. O.S. RAIN GAUGE  
RETROSPECTIVE DATA REVIEW

563537

NGR: 55(33) 84/958ALT: 125 ft = 38 metres. Date of review: 11-1-1975

Position of Station on reduced Ordnance Survey Map, 1 mile to 1 inch Series } No. of Map..... Reference No.....

Date	Lat. N.	Long.	Railway Station	Distance	Direction	Parish Church	Distance	Direction
				from gauge			from gauge	

563537

Station No. 2834

RAINFALL at Manchester (Whitworth Park) M.N.R.

41

County of South LancashireObserver Manchester UniversityRiver Basin Mersey-Trent - 3Type of Gauge SnowdonAnnual Average 31.7 in. based on 35 years obs. un-weighted. Period of average 1881-1915 Ref. B. of N.File No. E.7047/45

Diameter	8"			563	537							
Height	1'0"				1							
Altitude	125'				41							
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means	
January	78	3.80	4.81	4.43	2.83	4.14	2.31	7.37	2.07	1.80		Total 34.40
February	2.98	1.57	2.45	1.58	3.28	5.27	.41	1.84	1.68	4.03		25.09
March	2.67	2.85	.80	.48	.93	.78	4.99	.99	1.77	1.82		18.08
April	1.22	1.43	1.44	2.51	2.16	1.29	2.37	1.41	2.64	3.12		19.59
May	1.48	4.05	2.38	3.60	3.82	1.06	2.15	1.10	3.47	1.46		24.57
June	.46	.84	2.85	2.81	4.38	2.92	1.89	4.42	.83	3.04		24.46
July	2.60	3.69	2.01	3.56	1.32	4.53	2.85	2.68	1.76	3.14		27.94
August	4.65	5.22	5.40	3.72	2.53	4.24	.37	4.00	2.68	4.58		37.39
September	.56	1.72	4.19	3.78	2.76	4.64	2.11	2.10	.56	5.24		27.66
October	4.27	5.30	3.19	3.41	6.07	.63	.53	2.41	2.89	2.40		31.10
November	2.35	.96	2.56	6.13	.52	4.99	3.76	1.84	4.65	4.44		32.20
December	1.55	3.43	1.81	2.43	2.24	3.03	2.75	2.99	4.93	3.49		28.71
TOTALS	25.49	34.86	33.89	38.56	32.84	37.52	26.49	33.05	29.93	38.56		331.19
	D	D	D	D	D	D	D	D	D	D		19.68

7.12.49. Inspected by G.M. Bond. Gauge, measure and exposure satisfactory

MET. O.S. RAINMASTER  
RETROSPECTIVE SITE REVIEW

563537

NGR: SS(33) 847958ALT: 125 ft = 38 metres. Date of review 11.1.7999 2.63  
3 3 3Position of Station on reduced Ordnance Survey Map,  
1 mile to 1 inch Series

No. of Map.....

Reference No.....

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge.	Direction from gauge.

BRITISH RAINFALL ORGANIZATION



Station No. 2834

RAINFALL at Manchester (Whitworth Park)

m.m.s.  
(241)

51

County of Lancashire

Observer

River Basin Tussy-Lowell-3

Type of Gauge Snowden

University of Manchester

Annual Average 31.7 in. based on 35 years obs. un-weighted. Period of average 1881-1915 Ref. B of N.

33.79 " " " " " 1916-1950

1916-1950 E 7047/48 P

File No.

Diameter ...	8"			563	537						
Height ...	11 0"				1						
Altitude ...	125'				51						
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...	3.24	3.28	1.40	3.47	2.19	4.87	2.27	4.11			
February ...	2.12	1.19	1.68	2.94	1.59	.88	2.11				
March ...	4.57	2.40	2.00	2.58	2.02	1.03	2.72				
April ...	2.17	3.61	2.30	.68	2.07	3.30	.41				
May ...	1.74	1.89	1.83	2.66	2.64	.90	1.32				
June ...	1.47	2.55	2.38	2.99	3.05	2.32	1.83				
July ...	3.25	2.81	4.21	5.18	.92	5.50	5.40				
August ...	4.42	2.24	3.74	5.15	1.06	8.53	3.99				
September ...	2.99	3.33	2.98	4.04	2.34	2.74	5.50				
October ...	1.27	3.48	2.08	5.45	1.76	2.42	(3.20)				
November ...	6.46	2.54	3.22	5.52	1.69	1.38	1.85				
December ...	5.50	3.56	1.23	5.02	4.22	2.74	3.22				
TOTALS ...	39.20	32.98	27.05	45.68	25.55	36.61	33.82				
	D	D	D	D	D	D	110	unrec			

1957 np. inc. Oct est M03 00644  
 1959 Suspended as M.S.R. Station.  
 1956 np inc  
 terminated Jan 58.

Position of Station on Ordnance One-Inch map :

No. of Map.....

National Grid Reference 32/847058

Date.	Lat. N.	Long.	Railway Station.	Distance Direction from gauge	Parish Church.	Distance Direction from gauge.

Summary of Earlier Records from 10-year Sheets :

1916-1950, P-accepted

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
	✓ D10, 19	✓ ✓	✓ ✓	✓ ✓	