

## RAINFALL AT

Cardiff Sanatorium The Roath Park

Lat.

Lon.

County of

Glamorgan

Rain Gauge, by

Observer

Dr Walford

Rhymney - 7.

Diameter .....					5						
Height .....					6 3			4. -			4
Altitude .....									10		50
Year .....	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January .....					2.38	3.20	3.88	.64	2.43	1.96	5.50
February .....					6.04	3.68	.17	1.39	4.92	1.71	3.89
March .....					.31	3.37	3.92	4.47	3.32	1.12	1.39
April .....					.29	2.05	2.08	2.83	3.59	1.40	4.34
May .....					2.80	2.18	.50	.22		4.80	2.49
June .....					.67	2.43	1.15	2.48	2.95	5.06	1.17
July .....					3.88	4.22	4.71	1.14	1.34	.40	.32
August .....					3.05	4.55	4.08	2.89		3.48	1.74
September .....					2.03	2.22	1.17	7.34	5.65	1.94	2.59
October .....					5.98	4.91	3.67	4.65	1.34	7.30	2.34
November .....					2.30	4.72	4.21	.96		7.46	3.29
December .....					4.18	3.66	3.45	6.41	5.61	5.44	3.64
TOTALS .....					33.91	41.19	32.99	35.42	16.62	52.07	32.70

1897 Decimal points misplaced. The above adjusted by other returns the remaining months hopeless.

1898 Decimal points misplaced

## RAINFALL AT Cardiff Roath Park

Lat.....

Lon.....

County of Glamorgan

Snowdon Rain Gauge, by Casella.

Observer E. Talford Esq M.A.

Rhymney - 7.

Diameter ..	5										
Height ..	0 4				1 0						
Altitude ..	50										
Year ....	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..	5.81	2.48	2.60	5.81	5.60	1.34	7.42	2.96			
February ..	6.40	1.01	1.25	2.19	5.81	1.05	3.71	1.75			
March ..	1.06	2.10	2.58	5.80	2.97	5.76	2.92	1.92			
April ..	1.62	4.54	2.36	2.48	2.14	2.81	1.53	3.95			
May ..	1.89	.91	2.43	4.43	3.05	.15	4.32	3.07			
June ..	1.73	3.00	2.86	3.11	1.29	3.75	2.73	4.53			
July ..	.68	2.58	2.19	3.53	4.13	.88	.68	2.91			
August ..	4.06	4.00	4.21	6.14	3.56	4.26	2.88	3.40			
September ..	1.32	4.36	3.18	3.73	3.49	1.57	1.00	.99			
October ..	5.79	2.64	3.89	11.06	2.48	2.23	7.62	6.93			
November ..	4.99	1.50	4.97	2.40	3.50	3.68	3.42	3.36			
December ..	6.55	7.15	3.96	4.24	3.40	1.87	2.50	(7.33)			
TOTALS ..	41.90	36.27	36.42	54.97	41.72	29.35	40.73	43.10			

D D S

1902 Roath Church 1 mile S.E.

1904 Lee 20 ft high 57 ft N.W.

1907 Dec 18 Gauge moved 5 ft away E

Roath Church 7 SE

Cardiff Station 2 miles from SW

Observatory 9 ft high 27 ft SE

1908 Removed to Penylan

RAINFALL AT Bardiff Roath Park

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

Lon. \_\_\_\_\_ County of Glamorgan

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

Observer W.W. Pettigrew

Rhegium - 7.

(Bardiff Nat. Soc.)

Diameter ...											
Height .....											
Altitude ...											
Year ...	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ...								3.17		2.03	
February ...								1.76		.62	
March .....								1.98		4.58	
April .....								4.17		2.54	
May .....								3.25		2.36	
June .....								4.47		2.17	
July .....								2.98		2.55	
August .....								3.43		3.22	
September ..								1.02		4.08	
October ...								7.16		7.83	
November ..								3.51		1.82	
December ...								7.53		7.79	
TOTALS ...								44.43		41.59	

1907 Read 19. VII. 09. Fwd? 28. IX. 09

1909 " V. II " 27. XI. 12.

10 *1910*RAINFALL at Cardiff Roath ParkCounty of GlamorganObserver Cardiff Naturalists Society

River Basin

Rhymney 7

W.W. Pettigrew

L. Walford

R.A. Pettigrew

1915

Rain Gauge, by Cassella

Diameter ...	5											
Height .....	1.0						6.9					
Altitude ...	49											
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	1916-19 Means.	Total
January ...	5.17	1.85	5.39	7.84		3.83	3.08	1.32	4.93	5.70	16.03	
February ...	6.34	4.17	3.18	1.65		4.87	5.88	1.58	2.55	4.88	14.89	
March .....	.99	2.70	6.65	5.50		1.37	4.08	3.16	2.43	6.06	15.73	
April .....	3.57	3.05	.50	4.33		1.20	1.61	1.79	2.22	2.10	7.72	
May .....	3.20	1.60	2.11	2.45		2.64	4.46	3.14	1.53	.71	9.84	
June .....	6.50	2.54	6.97	2.35		1.13	4.52	2.64	2.25	1.39	10.80	
July .....	3.06	.09	3.12	.57		4.58	2.13	2.70	5.29	2.55	12.34	
August.....	6.18	2.66	9.47	1.16		1.73	3.29	8.50	3.09	3.08	17.96	
September ..	.22	2.19	.88	3.69		1.33	2.36	2.64	10.53	3.42	14.95	
October ...	3.82	3.64	5.05	5.35		4.75	8.55	6.70	3.12	2.82	21.19	
November ..	6.85	5.53	2.90	4.74		2.62	3.17	2.09	3.29	3.49	12.54	
December ...	6.26	8.91	6.98	2.31		8.85	3.84	1.06	4.30	8.13	20.33	
TOTALS ...	52.11	38.93	53.20	41.94		38.90	46.92	37.32	48.53	43.50	146.32	

Beech hedge 5ft high 27 N.N.

BR.

Panel ~ 2 ft 6 in ~ 12 p.c.

26.11.62 1916 Mean &amp; annual total corrected, submetrical error

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

RAINFALL at Cardiff (Roath Park)County of Glamorgan

Observer Mr. J. D. Bellamy

River Basin RhymneyJL.24 { Copper Standard Rain Gauge, by  
gauge correct but slight scale  
glass correctly graduated

Diameter ...	5	5									
Height .....	1.0	0.10	1.0					0.11			
Altitude ...	449						449				
Year .....	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	M.M.A.N. 1920.
January ...	6.40	5.24	4.79	2.71	5.75	4.68	7.11	4.97	8.94	1.68	6.67
February ...	1.59	1.2	4.95	8.73	7.3	5.82	3.31	3.84	4.83	1.58	1.74
March ....	4.18	3.04	4.35	1.69	2.14	5.0	5.59	4.27	4.73	5.14	2.76
April.....	5.70	.83	3.21	3.06	3.42	2.87	2.42	1.86	1.74	.50	3.27
May .....	4.20	2.33	1.44	2.65	5.01	4.80	2.27	1.48	.90	3.45	1.65
June .....	9.25	.06	1.37	.77	2.53	.07	1.78	3.86	2.69	2.58	.70
July .....	5.10	1.26	4.62	2.27	6.25	3.97	2.22	4.59	2.42	2.29	3.13
August .....	2.86	3.26	4.27	4.15	6.21	4.87	4.18	5.64	3.83	3.45	5.40
September...	9.03	3.52	3.75	3.70	7.02	5.76	1.74	7.41	1.73	.50	5.04
October.....	5.76	2.10	.87	7.26	6.59	6.57	4.19	3.91	7.18	6.55	5.25
November...	2.77	3.33	2.91	3.69	3.85	2.64	8.87	5.52	4.21	10.86	5.56
December...	5.37	2.96	7.22	4.35	7.21	4.39	.31	3.18	4.62	9.28	4.52
TOTALS.	48.5	129.05	43.75	45.02	56.71	46.94	38.99	50.53	47.03	43.26	44.69
	5	20	5	20	5	20	5	20	5	20	5

1920-30  
Totals

X

1920

X

### RAINFALL at Cardiff (Roath Park)

County of Glamorgan.

Observer A. A. Pettygrew

River Basin 7 - Rhymney

Chief Officer of Parks. (B.R.:1938)

Type of Gauge *Snowdon*

*Annual Average*, ~~41.5~~, in., based on ~~15~~ years obs., un-weighted. *Period of average*, 1881-1915. *Ref.*, 5.

1934. Frame 5' high 8' W. Greenhouse 8' high 36' W. Trees 50' high 90's.

1935. Shed: 10' high 30' s.

1935 shed 10' high 30' S.  
1936 trees 60' high 90' S. Shed 12' high 30' S. Frame 5' high 6' W. Greenhouse 15' high 30' W.

Hedge 12' high, 100' N. Hedge 8' high 120' E; Greenhouse 10' high 50'; Shed 12' high 45' S.

1458 Shed 12' high 24' S.

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

1 mile to 1 inch Series							
Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance from gauge
935.			Queen St. Cardiff	2 mi	S.W.	St Margaret (Cardiff)	1 m

Station No. 4090

## RAINFALL at Cardiff (Roath Park)

41

County of Glamorgan  
 River Basin Taff Rhymney  
 Type of Gauge Standard

Annual Average 416.6 in. based on 15 years obs. un-weighted. Period of average 1881-1915 Ref S

File No. 208575/32

Diameter	5				488	833					
Height	10					1					
Altitude	51					41					
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	
										Means 1941-50 10 m.s.	
January	4.86	5.33	8.24	11.63	3.92	4.74	3.63	7.83	1.49	1.39	46.06
February	4.29	5.52	2.09	1.26	5.55	3.49	1.19	2.32	2.28	6.59	29.58
March	3.76	2.78	1.57	6.66	1.35	1.47	7.30	1.70	1.92	1.87	24.38
April	1.95	1.97	2.06	3.14	1.72	2.13	2.98	2.92	3.29	2.98	25.14
May	2.08	5.32	4.50	2.70	3.87	4.20	2.72	3.90	3.46	2.15	34.90
June	2.33	5.52	3.30	3.56	4.83	4.41	2.56	3.59	.64	1.23	26.95
July	3.03	2.65	2.75	2.68	2.85	2.40	2.37	3.95	1.58	4.96	29.22
August	8.08	5.23	4.66	11.22	3.00	7.61	1.13	5.72	2.49	7.82	49.96
September	1.05	4.84	4.55	5.40	3.02	6.19	2.44	4.01	4.02	6.44	41.93
October	2.13	4.45	3.27	6.26	5.31	1.23	1.25	5.48	8.28	1.89	39.55
November	3.31	.98	2.87	8.50	.93	6.81	4.38	2.40	4.47	6.28	40.93
December	4.67	5.34	2.84	3.33	6.41	4.68	3.71	4.82	4.34	2.53	42.64
TOTALS	41.54	39.93	42.70	46.34	42.76	49.36	35.64	48.64	38.26	46.10	431.27

941 View Hedge 12' high 100' N. 1942 10' high 52' N.  
 Shed 10' high 24' S. Holly hedge 5' h 8' S.  
 Green house 10' high 30' W. Span roof frame 5' h. 12' W.  
 Hedge + trees 12' high 120' E. Privet hedge 9' h 8' E.

Feb 1941 card for snow. 17.7.45 {G. inspected & found to be in proper order.

1950 New hedge 10' high to N. 52'. Holly hedge 5' high 78' S. Privet hedge 9' high, 81' E.  
 Span roof frame 5' high, 12' W.

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 from gauge	Direction	Parish Church.	Distance from gauge
1941			Heath Halt Llanishen	½ mi	N	Roath, Cardiff	¾ mi S.

Air Ministry, Meteorological Office

Station No. 4090

RAINFALL at Cardiff (Roath Park)

County of Glamorgan.

Observer Chief Officer of Parks.

River Basin T-Rhymney.

Type of Gauge Snowdon

Annual Average 11.5 in. based on 15 years obs. un-weighted. Period of average 1881-1915  
1916-50 Ref. S.  
43.32 35 1916-50 File No. 208575/32 P

Diameter	5"			488	833						
Height	1'-0"				1						
Altitude	51'				51						
Year	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January	4.95	3.66	1.11	2.60	4.09	4.50	7.01	3.67	4.24	3.72	36.55 ✓
February	4.33	0.93	2.16	4.14	1.81	0.30	4.13	4.95	.42	2.92	26.09 ✓
March	3.75	2.66	1.67	4.76	1.27	0.84	4.16	0.90	2.78	2.35	25.34 ✓
April	3.28	3.37	3.65	0.88	1.80	1.71	0.19	0.56	3.06	2.68	21.18 ✓
May	2.33	3.73	3.13	2.13	4.50	0.90	1.25	3.58	1.15	1.18	23.38 ✓
June	0.51	2.21	2.09	4.16	3.62	1.84	1.06	2.90	1.95	2.08	22.12 ✓
July	1.38	2.60	4.70	4.04	0.18	2.69	4.66	3.37	3.46	5.21	22.29 ✓
August	4.58	6.02	5.19	3.73	1.26	5.04	2.71	4.74	2.67	5.19	41.33 ✓
September	5.06	4.62	4.64	6.18	1.82	6.02	4.41	6.21	1.30	5.75	45.01 ✓
October	2.00	5.33	3.21	6.07	2.07	1.91	3.53	4.01	5.28	8.29	41.70 ✓
November	1.49	5.10	3.53	7.23	3.74	1.21	2.40	2.26	4.74	8.03	45.73 ? ✓
December	3.40	3.49	1.80	3.19	4.74	4.10	1.95	4.38	8.55	(6.51)	42.11 ✓
TOTALS	43.06	43.72	36.88	49.11	30.90	31.06	34.64	41.53	38.80	53.91	403.63

951. New hedge 10' high, 52' N.

No Insp (No. possibly)

Holly --- 5' 78's.

Privet --- 9' 81'E.

Spiral roof frame 5' 12' W.

1954 n.p. low

1957 n.p. low

1959 n.p. low

Position of Station on Ordnance One-Inch map: No. of Map: National Grid Reference ST 3119 9787

Date	Lat. N.	Long.	Railway Station	Distance from gauge	Direction	Parish Church	Distance from gauge
1952.			Heath Halt.	1/2 m	N.	Roath.	3/4 m. S

Summary of Earlier Records from 10-year Sheets: 1916 - 50 *f* accepted.

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
	J 1914 N.R. 1910-13 Blank 15-17 D	/	/	/	/ 1944 4