

# RAINFALL AT *Casdiff Sanatorium The Roath Park*

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

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

 County of *Glamorgan*

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

 Observer *D. Walford*
*Thymney - 7.*

Diameter ....					5						
Height .....					63			4.		4	
Altitude ....									10	50	
Year .....	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January ....				<i>#</i> 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	<del>5.06</del>	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....				2.80	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	<i>missed</i>	<del>42.07</del>	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 Flamorgan  
Swansea Rain Gauge, by Cardiff Observer E. Talford Esq M.D.

Rhymer - 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	2.44	2.81	1.53	3.95			
May .....	1.89	.91	2.43	4.48	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	3.13	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	3.95	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			

1902 Roath Church 1 mile S.E.

1904 Tree 20 ft high 57 ft S.W.

1907 Dec 18 gauge moved 5 ft long E

Roath Church 7 ft S.E.

Cardiff Station 2 miles 1 ft S.W.

Observatory 9 ft high 27 ft S.E.

1908 Penarth Penylan

RAINFALL AT Cardiff Roath Park

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

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

County of Glamorgan

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

Observer W. W. PettigrewRhymney - 7.

(Cardiff Nat. Soc.)

Diameter ...											
Height .....											
Altitude ...								49			
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 Recd 19. VII. 09. Ent. 28. IX. 09

1909 " V. 11 " 27. XI. 12.



RAINFALL at Cardiff Roath ParkCounty of GlamorganObserver Cardiff Naturalists Society  
W.W. Pettigrew  
A.A. PettigrewRiver Basin Rhymney 7F. Walford  
1915Rain Gauge, by Casella

Diameter ...	5										
Height .....	1.0					6.9					
Altitude ...	49										
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	1916-19 Means Totals
January ...	5.17	1.85	5.29	7.84		3.83	3.08	1.32	4.93	5.70	15.03
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	3.99 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	2.52	12.34
August .....	6.12	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	2.42	17.95
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	7.30	8.13	20.33
TOTALS ...	52.11	38.93	53.20	41.94		38.90	46.93 46.88	37.32	48.53	43.50	176.32

Beech hedge 5ft high 27 ft N.

Paved " 2 ft 6 in " 12 ft S

26.11.62 1916 March a annual total amended, arithmetical error

38.

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

RAINFALL at Leardiff (Roath Park)County of GlamorganObserver Mr. J. C. PottierRiver Basin Rhymney

VI-24 { Copper Snowden Rain Gauge, by  
gauge correct but slight leak  
glass correctly graduated

Diameter ...	5							5					
Height .....	1.0	0.10	1.0					0.11					
Altitude ...	49							49					
Year .....	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	<del>1930</del> 1930.	1920-30 Total	
January ...	6.40	5.24	4.79	2.71	5.75	4.68	7.11	4.97	8.94	1.68	6.67	58.94	
February ...	1.59	12	4.95	8.73	7.3	5.82	3.31	3.84	4.83	1.58	7.4	36.24	
March .....	4.18	3.04	4.35	1.68	2.14	5.0	5.9	4.27	4.73	5.4	2.76	28.78	
April .....	5.70	83	3.21	3.06	3.42	2.87	2.42	1.86	1.74	5.0	3.27	28.88	
May .....	4.20	2.33	1.44	2.65	5.01	4.80	2.27	1.48	90	3.45	1.65	30.18	
June .....	3.25	0.6	1.37	77	2.58	0.7	1.78	3.86	2.69	2.58	70	19.66	
July .....	5.40	1.26	4.62	2.27	6.25	3.97	2.22	4.59	2.42	2.29	3.13	38.42	
August .....	2.86	3.26	4.27	4.15	6.21	4.87	4.18	5.64	3.83	3.45	5.40	48.12	
September...	3.03	3.52	3.75	3.70	7.02	5.76	1.74	7.41	7.3	5.0	5.04	42.20	
October .....	3.76	2.10	3.7	7.26	6.59	6.57	4.19	3.91	7.18	6.55	5.25	54.23	
November...	2.77	3.33	2.91	3.69	3.85	2.64	8.87	5.52	4.42	10.86	5.56	54.42	
December...	5.37	2.96	7.22	4.35	7.21	4.39	31	3.18	4.62	9.28	4.52	53.41	
TOTALS...	48.5	128.05	437.5	45.02	56.71	46.94	38.99	50.53	47.03	43.26	44.69	493.48	38
	0	0	0	0	0	0	0	0	0	0	0	0	

Inspected 17.11.24. S. in front part of park. Excellent position.

Leak mended 11.24. see also 7.11.305 893/24.

1926. Shed 12 ft. high 25 ft. S.

Frame 2 " " 12 " W.

" " " 6 " N.

Gauge moved 11.5 January 30 ft. S.W.

1930. Shed 5' high 30' W.

Greenhouse 12' high 27' S.

Hees 40' high 90' S.

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

No. of Map

Reference No.

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance from gauge	Direction
1929			Leardiff	2 m.	S.W.	St. Martin's	1 m.	S.E.

RAINFALL at Gardiff (Roach Park)County of GlamorganObserver A.A. PettygrewRiver Basin 4 RhymneyChief Officer of Parks (B.R. 1938)Type of Gauge SnowdonAnnual Average 41.6 in. based on 15 years obs. un-weighted. Period of average 1881-1915. Ref. S

Diameter	5										
Height	0. 11.			1 0	1' 0						
Altitude	49			51	51'						
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means 1931-40
January	3.10	6.27	3.00	3.69	1.02	5.53	5.25	5.74	7.19	3.99	44.78
February	3.35	.00	4.73	.65	4.51	1.05	6.67	2.00	2.91	3.51	29.98
March	1.17	2.25	3.74	2.03	1.07	3.64	4.19	.58	1.78	3.69	24.14
April	3.16	4.09	2.04	2.81	5.56	3.21	4.03	.17	4.19	2.93	32.19
May	8.53	5.00	2.76	1.63	.89	1.81	2.41	3.17	6.91	2.37	29.48
June	3.44	1.51	1.55	1.63	5.08	4.04	1.06	2.42	1.98	.88	23.59
July	4.51	4.23	2.80	1.57	.54	8.47	2.65	3.90	6.37	5.13	39.77
August	4.72	1.42	1.27	4.01	2.30	1.20	.36	3.39	3.84	.28	22.89
September	1.58	5.65	1.77	3.41	9.53	3.18	1.98	1.77	0.81	1.40	31.08
October	1.10	7.14	5.01	3.30	6.08	1.93	4.46	8.45	3.60	6.20	47.27
November	6.46	2.34	0.88	1.61	6.42	4.67	2.41	6.20	9.57	9.17	49.73
December	2.71	2.63	2.39	10.99	3.86	4.42	2.37	5.24	2.88	2.89	40.38
TOTALS	43.83 3	42.63 7	31.44 7	37.33 7	46.86 7	43.85 7	37.84 7	43.03 7	46.03 7	42.44 7	415.28 7

1934. Frame 5' high 8' N. Greenhouse 8' high 36' W. Leco 50' high 90' S.

1935. Shed 10' high 30' S.

1936. Tree 100' high 90' S. Shed 12' high 36' S. Frame 5' high 6' N. Greenhouse 15' high 36' W.

1937. Hedge 12' high 100' N. Hedge 8' high 120' E. Greenhouse 10' high 50' W. Shed 12' high 40' S.

1938. Shed 12' high 24' S.

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 from gauge	Parish Church.	Distance from gauge	Direction from gauge
1935			Queen St. Gardiff	2 mi	S. W.	St. Margaret's (Gardiff)	1 m	S. W.



Station No. 4090

RAINFALL at Cardiff (Roth Park)

41

County of Glamorgan Observer Chief Officer of Parks

River Basin 7-Rhymney

Type of Gauge Snowden

Annual Average 4.5 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					4						
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means Totals	1941-50 Totals
January	4.86	5.33	8.24	4.63	3.92	4.74	3.62	7.83	1.49	1.39	46.06	
February	4.29	.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	.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	26.14	
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	.52	3.30	3.56	4.83	4.41	2.54	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	4.22	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	37.55	
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	42.67	
TOTALS	41.54 D	39.93 D	42.70 D	46.34 D	42.76 D	49.36 D	35.64 D	48.64 D	38.26 D	46.10 D	431.27	431.27

1941 Yew Hedge 12' high 100' N. 1942 - 10' high 52' N.  
 Shed 10' high 24' S. Holly hedge 5' 108' S.  
 Green house 10' high 30' W. Span roof frame 5' h. 12' W.  
 Hedge + trees 12' high 120' E. Private hedge 5' h. 81' E.  
 Feb 1941 cord for snow. 17.7.45 { Observer states:-  
 1950 Yew hedge 10' high to 52'. Holly hedge 5' high 78' S. Private 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 from gauge	Parish Church.	Distance from gauge.	Direction from gauge.
1941			Heath Halt Klanishen	1/2 ml	N	Roth, Cardiff	3/4 ml	S.

# Air Ministry, Meteorological Office

RAINFALL at Cardiff (Roth Park)

Station No. 4090

County of Glamorgan

Observer Chief Officer of Posts

River Basin Y-Rhymney

Type of Gauge Snowdon

Annual Average 41.5 in. based on 15 years obs. un-weighted. Period of average 1881-1915 Ref. S.  
 " " 43.32 " " 35 " " 1916-50 " " 1916-50 File No. 208575/32

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	372	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	1.65	1.18	23.88	✓
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	.30	5.75	45.61	✓
October ...	2.00	5.33	3.21	6.07	2.07	1.91	3.53	4.01	5.28	8.29	41.70	✓
November ...	7.49	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	38.26	53.91	403.63	
	D	D	D	D	D	D	D	D	np	D		

951. Yew Hedge 10' high, 52' N.  
 Holly " 5' 78' S.  
 Privet " 9' 81' E.  
 Span Roof frame 5' 12' W.

Non Map (Not possibly)

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 5721199787

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

Summary of Earlier Records from 10-year Sheets: 1916-50 8 accepted.

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