

## RAINFALL at

Cardiff St Fagans

County of

Glamorgan

Right

Observer H. A. Pettigrew

River Basin

Ogmore &amp;c 5

Rain Gauge, by Camila

Diameter ...					5						
Height .....					0.11						
Altitude ...					100						
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...					2.22	4.94	3.82	1.62	5.88	7.31	
February ...					4.05	6.85	6.74	1.72	3.20	5.59	
March .....					7.59	1.64	4.33	3.44	3.24	7.06	
April .....					2.62	4.41	2.18	2.47	2.72	2.73	
May .....					2.41	2.94	5.91	3.27	1.64	1.14	
June .....					2.77	1.58	4.45	2.95	1.89	1.61	
July .....					6.73	5.38	2.26	3.19	5.33	1.69	
August .....					3.78	1.99	2.98	9.06	3.66	3.76	
September ..					3.23	1.59	3.34	3.05	11.35	3.24	
October ...					2.66	4.94	9.42	8.57	2.88	3.04	
November ..					5.80	3.47	3.73	3.23	4.48	4.54	
December...					9.10	10.08	3.89	1.32	8.93	9.98	
TOTALS ...					52.96	49.81	52.88	43.89	55.20	51.69	

1914 open plantation 30 ft high 100 yards N.  
Open E. S. & W.

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
51°29'10" 3°16'10"	St Fagans			2 m	SE	St Marys	3 m	E

RAINFALL at Cardiff (St. Fagans)County of GlamorganObserver Capt. H. P. Pettipiece

River Basin Ogmore - 5

(incl.) P.D.

11-24 Basella Rain Gauge, by Basella  
 8926 copper  
 insulated baseplate with snow melting lining  
 Patent 1087

Diameter ...	5"										
Height .....	0.11										
Altitude ...	100										
Year .....	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930
January	7.07	7.49	5.49	3.40	5.91	6.27	6.95	6.05	11.85	2.20	7.60
February	1.79	1.10	5.50	10.36	.60	7.90	5.13	5.26	6.20	1.47	.61
March	5.02	4.20	(4.75)	2.05	2.07	.52	1.16	5.60	5.39	.75	2.74
April	6.00	1.09	(4.20)	4.12	3.70	3.15	2.53	2.64	2.29	.60	2.83
May	5.05	2.82	1.28	3.20	4.58	5.26	3.93	2.14	.68	3.84	1.80
June	3.65	.11	1.21	.93	5.04	.05	3.15	4.30	2.96	3.41	.69
July	7.11	1.24	5.24	2.42	7.33	4.47	3.48	4.82	2.37	2.80	3.54
August	2.84	3.87	5.00	4.56	6.97	4.69	6.76	6.37	4.58	4.19	6.28
September	3.58	2.83	4.39	3.89	7.79	6.50	2.44	8.92	1.23	.75	5.71
October	6.44	2.27	1.76	7.49	6.83	4.71	5.86	4.66	8.73	7.55	6.26
November	3.19	3.52	2.57	3.63	4.42	3.18	10.44	7.96	6.21	11.97	5.90
December	5.55	3.53	8.94	4.88	7.62	3.51	.35	3.11	6.45	9.99	5.08
TOTALS	57.26	33.16	50.33	50.93	60.86	56.21	52.18	61.83	58.94	40.52	49.04
	D	D	D	D	D	D	D	D	D	D	D

1921. Plantation 30 ft. h.p. 100 yds. N. open to E.S.E.W.

Insulated &amp; 17.01.24 gauge on grass in good open position. Excellent exposure.

1925 PLANTATION 35 FT. 100 YDS. N.

1930. Plantation 40 ft. high 100 yds. N. Plantation 20 ft. high 100 yds W.S. Open E.

G. read 9 a.m. Winter &amp; Summer.

Position of Station on reduced Ordnance Survey } No. of Map \_\_\_\_\_ Reference No. \_\_\_\_\_  
Map, 2 miles to 1 inch Series

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge	Direction from gauge
1920	51°29'10" N	3°16'10" W	St. Fagans	m 12	S E	St. Marys	m 3	W

## RAINFALL at Cardiff (St. Fagans Gazette)

County of Glamorgan

Observer Captain H.A. Pottigrew

River Basin 5-Ogmore &amp;c.

Mr. Pearce (from Jan 1936)

Type of Gauge B.F.

Annual Average A.R.E. in. based on 12 years obs. un-weighted. Period of average 1931-1935 Ref. 5  
4490403/36

Diameter	5										
Height	0.10										1'0"
Altitude	100										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January	4.14	6.32	3.06	4.07	7.4	4.96		5.61	7.48	4.08	
February	3.66	0.00	6.54	6.69	3.82	1.89		2.13	3.35	4.36	
March	1.14	2.35	4.16	2.40	1.15	3.65		1.89	1.64	3.92	
April	3.73	4.83	1.88	3.66	5.77	3.39		2.44	3.75	3.69	
May	6.71	5.00	2.15	1.80	1.03	1.77		3.26	1.24	1.70	
June	4.43	1.76	1.48	1.73	4.32	3.66		2.42	2.17	.59	
July	5.33	4.27	2.70	1.37	3.9	8.42		3.91	7.77	5.02	
August	4.90	9.8	1.67	5.01	2.68	1.25		3.73	2.86	.56	
September	2.26	6.60	2.16	4.48	8.99	3.34		2.21	1.23	1.63	
October	1.47	8.62	5.09	3.92	7.56	2.27		8.38	4.45	6.82	
November	7.12	2.75	0.99	1.27	7.49	5.22		6.49	10.89	9.70	
December	2.49	2.96	3.05	13.10	3.73	4.27		5.48	2.76	3.19	
TOTALS	47.38	46.44	36.73	43.20	47.82	44.19	N.R.	44.76	49.59	45.26	

1930 Plantation 40' high 100yds. N.

" 20' " 100' N.W.

Open to E.

1940 Wood 50' high 150yds. N-W.

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

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance from gauge
1931.			St. Fagans	2 m	S.W.	St. Fagans	3 3/4 m.
1940			"	2 m	"	"	1/2 m.

BRITISH RAINFALL ORGANIZATION, EXHIBITION ROAD, LONDON, S.W.7.

Station No. 4059

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## RAINFALL at Cardiff (St Fagans Castle)

County of Glamorgan

Observer Mr A. W. Pearce

River Basin S. Ogmore T.C.

Type of Gauge Standard

Annual Average 42.5 in. based on 10 years obs. un-weighted. Period of average 1881-1915 Ref. S

File No. 49040332

Diameter	5			49	534						
Height	10					1					
Altitude	100					41					
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	5.38	5.59	8.18	4.64	4.18	4.67	3.73	9.36	1.80	1.82	
February	4.79	.45	1.99	1.52	5.64	3.44	1.77	2.48	2.66	7.78	
March	3.18	2.82	1.50	.54	1.66	1.33	8.08	1.75	2.14	2.22	
April	1.79	1.90	1.36	5.41	2.08	2.23	3.26	2.98	3.53	3.76	
May	2.44	5.69	4.47	3.77	3.85	5.84	2.32	4.41	4.46	2.01	
June	1.52	.37	2.79	3.18	5.28	4.99	2.58	3.81	.85	1.84	
July	3.04	3.48	3.08	4.52	3.66	2.28	3.27	5.21	1.83	6.16	
August	6.88	5.48	5.15	4.83	3.31	8.60	.89	7.08	3.34	8.63	
September	.73	5.20	5.50	5.52	2.85	5.85	2.42	5.00	3.91	7.76	
October	3.70	4.77	3.06	6.33	5.84	1.27	1.45	6.78	9.70	2.86	
November	2.28	.98	3.22	8.70	1.29	7.56	5.22	2.50	5.17	7.23	
December	4.41	5.41	3.38	4.24	7.04	5.04	4.42	5.29	5.55	3.34	
TOTALS	40.14	42.14	43.68	53.20	46.68	53.10	39.41	56.65	44.94	55.11	

1941 Trees 50-60' high 60 yds N.W.

1944 Gauge moved  $\frac{1}{4}$  mile East. Site in open space.

1948 House 40 ft high 50 yds E.E.

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

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge	Direction from gauge.
1941			St Fagans GWR St. Fagans	$\frac{1}{2}$ mi $\frac{1}{2}$ mi	South	St Fagans	$\frac{1}{2}$ mi	
1944						" "	$\frac{1}{4}$ mi.	S East

Air Ministry, Meteorological Office

Station No. 4059

RAINFALL at Cardiff (St. Fagan's Castle)

County of Glamorgan

Observer MR A.W. Pearce

River Basin 5 - Ogmore & C

Type of Gauge Standard

Annual Average 48.5 in. based on 10 years obs. un-weighted. Period of average 1881 - 1915 Ref. 3  
 " " 48.27 " 39 " within 1916 - 56 " File No. 490403/36

Diameter ...	5"				AGI	S34					
Height ...	1'-0"						1				
Altitude ...	100'						51				
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...	6.22	4.51	1.23	3.47	4.50	5.66	4.92	4.28	5.77	4.74	
February ...	4.98	1.51	2.42	5.31	2.77	0.46	5.18	5.43	.57	3.69	
March ...	5.36	3.27	1.85	5.15	1.48	1.70	5.41	1.02	3.22	2.54	
April ...	4.34	3.55	4.38	1.08	2.29	1.95	0.23	0.99	4.06	3.25	
May ...	3.23	4.07	3.68	2.57	5.51	1.43	1.97	4.59	1.35	1.98	
June ...	1.02	2.41	1.83	4.28	6.71	2.95	1.34	4.18	1.25	2.92	
July ...	1.40	2.43	5.92	4.86	0.42	4.43	4.88	4.29	3.79	6.46	
August ...	5.54	7.57	6.10	4.47	1.50	7.34	4.80	6.08	2.17	4.88	
September ...	4.80	5.40	5.50	7.60	2.42	5.97	5.87	7.45	.68	6.56	
October ...	2.68	4.27	3.90	7.03	2.83	2.28	4.46	5.70	6.89	9.60	
November ...	8.66	5.22	4.15	9.12	4.11	1.71	3.21	2.85	5.56	9.56	
December ...	4.19	4.04	2.10	4.07	7.11	5.57	2.23	4.56	10.08	8.25	
TOTALS ...	52.42	48.25	43.06	59.01	41.65	41.45	44.50	51.42	45.69	64.43	

No Dry.

Position of Station on Ordnance One-Inch map: No. of Map: National Grid Reference ST 311/19773

Date	Lat. N.	Long.	Railway Station	Distance from gauge	Direction	Parish Church	Distance from gauge	Direction
1951.			St. Fagan's	½ m.	S.	St. Fagan's	¼ m.	S.E.
1956			--	¼ m	S	--	500'	E

Summary of Earlier Records from 10-year Sheets:

Record D. or d		1910-19	1920-30	1931-40	1941-50	1951-60
		1914	✓	1937	✓	
		✓ 1914 blank	✓ But 26 d	✓ 1937 blank	✓ 1947 + 99 d	