

RAINFALL at

Cardiff St. Fagans

County of

Glamorgan

Observer

Capt H. A. Pettigrew

River Basin

Ogmore & C 5

Rain Gauge, by Casella

Diameter ...					5							
Height					0.11							
Altitude ...					100							
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.	
January ...					2.22	4.74	3.82	1.62	5.88	7.31		
February ...					4.05	6.85	6.77	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	2.74	5.71	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	4.52		
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. North
 of E. S. & W.

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
31.29.10	3.16.10		St. Fagans	2 m	SE	St. Marys	3 m	E

RAINFALL at Cardiff (St. Fagans)County of GlamorganObserver Capt. H. F. PettigrewRiver Basin Ogmore - 5

11-244 { Coella Rain Gauge, by Coella
 8926 cpm
 insulated chamber with snow melting lining
 brass screw.

Diameter ...	5"										
Height	0.11										
Altitude ...	100										
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	Mean 1920.
January ...	7.07	7.49	5.49	3.40	5.91	6.27	6.95	6.05	11.85	2.20	7.60
February ...	1.73	10	5.50	10.36	.60	7.90	5.13	5.26	6.20	1.47	.61
March	5.22	4.29	(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	7.53	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	4.29	3.89	7.79	6.50	2.44	8.92	1.23	.75	5.71
October	6.47	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...	5.33	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	49.52	49.04
	D	D	D	D	D	D	D	D	D	D	D

1921. Plantation 30 ft. high 100 yds. N. of S. 5. 5. 5. 5.

Inspected 9. 17. 11. 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. of.
Open E.

G. read 9 a.m. Winter Summer.

Position of Station on reduced Ordnance Survey } No. of Map

Map, 2 miles to 1 inch Series

Reference No.

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge	Direction from gauge
1920	51° 29' 10"	3° 16' 10"	St. Fagans	2	SE	St. Mary's	3	W

RAINFALL at Gardiff (St. Fagans bottle)County of GlamorganObserver Captain H.A. PettigrewRiver Basin S. Ogmore & C.Mr. Pearce (from Jan 1936)Type of Gauge P.H.Annual Average 42.5 in. based on 10 years obs. un-weighted. Period of average 1881-1935 Ref. 5490402/26

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	.69	3.82	1.89		2.13	3.35	4.36	
March	1.14	2.35	4.16	2.40	1.15	3.65		.89	1.64	3.92	
April	3.73	4.83	1.88	3.56	5.77	3.39		.24	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	.59	8.42		3.91	7.77	5.02	
August	4.90	.98	1.67	5.01	2.63	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		3.38	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	4.37		5.48	2.76	3.19	
TOTALS	47.38	46.44	34.73	43.20	47.82	44.19	N.R.	44.75	49.59	45.26	

1932 Plantation 40' high 100 yds. N.
" 20' " 100 yds. W.S.

Open to E.

1940 Wood 50' high 150 yds. N.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	Direction
1931.			St. Fagans	$\frac{1}{2}$ m	S.W.	St. Fagans	$\frac{3}{4}$ m	E.
1940			"	$\frac{1}{2}$ m	"	"	$\frac{1}{2}$ m	

Station No. 4059

RAINFALL at Cardiff (St Fagans Castle)

41

County of Glamorgan Observer Mr A. W. Pearce

River Basin S. Ogmore r.c.

Type of Gauge S. Snowden

Annual Average 48.5 in. based on 10 years obs. un-weighted. Period of average 1881-1915 Ref. S

File No. 4904.03.32

Diameter	5				49	534						
Height	10											
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 d	42.14 d	43.68 d	53.20 d	46.68 d	53.10 d	39.41 d	56.65 d	44.94 d	55.41 d		

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

1944. Gauge moved 1/4 mile East. - 5/12 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 1944			St Fagans R.R. St. Fagans	1/2 mi 1/2 mi	South	St Fagans "	1/2 mi 1/4 mi.	" S East.

BRITISH RAINFALL ORGANIZATION

Air Ministry, Meteorological Office

RAINFALL at Cardiff (St. Lagan's Castle)

County of Glamorgan Observer MR A.W. Pearce

River Basin 5-Ogmore & C

Type of Gauge Knobler

Annual Average 48.5 in. based on 10 years obs. ~~un-weighted~~. Period of average 1881 - 1915 Ref. 5

File No. 400403/36

Diameter	...	5"				491	534					
Height	...	1'-0"										
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	1.40	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	1.85	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	6.49	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 Imp.

Position of Station on Ordnance One-Inch map: No. of Map..... National Grid Reference [ST131119773](#)

Date	Lat. N.	Long.	Railway Station	Distance	Direction	Parish Church	Distance	Direction
				from	from		from	from
				gauge	gauge		gauge	gauge
1951.			St. Lagan's	$\frac{1}{2}$ m.	S.	St. Lagan's	$\frac{1}{4}$ m.	S.E.
1956			"	$\frac{1}{4}$ m.	S.	"	500'	E.

Summary of Earlier Records from 10-year Sheets:

	1910-19	1920-30	1931-40	1941-50	1951-60
Record D, or d	21914 ✓ 1914 blank	✓ ✓ But 26 d	✓ Not 1937 ✓ 32938 Blank	✓ ✓ 41,479 49 d	

PRB./M.G.36