

# RAINFALL AT Rhine Brynair No 15

Merioneth.

Robert Roberts

Rain { By .....  
Gauge { Diameter.....in.

Height above Ground, 10. ft. .... in. Above Mean Sea Level, 1140. ft.

Glaslyn - 3.

YEAR .....	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January .....						9.90	14.42	13.81	12.19	13.36	
February .....						7.35	12.22	8.28	10.12	16.14	
March .....						5.75	7.42	4.48	13.38	2.94	
April .....						3.30	2.20	13.18	5.55	9.14	
May .....						7.21	4.72	2.67	4.47	4.09	
June.....						1.95	9.04	2.53	2.02	3.76	
July .....						4.29	3.03	9.21	2.83	4.97	
August.....						10.67	8.44	6.72	7.81	4.68	
September ...						4.20	16.37	9.29	2.73	17.08	
October .....						8.12	5.29	15.13	15.80	8.10	
November ...					58	7.53	15.35	2.88	4.53	12.67	
December.....					58	4.22	15.97	10.50	19.86	10.62	
TOTALS.....						74.49	114.47	98.68	101.29	107.53	

50 50 50 50 50

for 433.6

70

RAINFALL AT *Rhinowirder State Quarry*

Lat.....

Lon.....

County of.....

*Merioneth**Carmarthen*

Rain Gauge, by.....

Observer.....

*Robert Roberts**Major Mathew**Station - 3.*

Diameter .....	5										
Height .....	10										
Altitude .....	1100.										
YEAR .....	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.
January.....	8.96	3.03	15.37	15.82	12.38	14.61	6.52	14.49	13.79		
February.....	3.81	10.60	9.98	2.89	5.76	5.21	15.28	15.99	6.59		
March.....	4.34	4.21	8.69	5.39	10.34	4.15	8.05	8.50			
April.....	4.95	7.67	5.98	2.62	3.99	2.37	7.32	4.23			
May.....	6.25	2.25	6.13	5.26	5.10	4.52	1.87	4.49			
June.....	4.05	2.49	8.93	7.40	4.45	7.57	4.63	6.89			
July.....	7.96	14.79	6.04	9.20	9.39	3.92	8.64	11.74			
August.....	3.25	7.07	5.99	13.27	17.87	7.06	7.93	9.13			
September.....	6.47	5.74	14.10	9.54	9.53	10.99	10.42	9.38			
October.....	7.37	10.26	16.45	14.05	15.06	10.84	7.70	14.68			
November.....	8.63	3.05	10.07	7.06	13.02	13.88	8.94	21.33			
December.....	6.67	8.78	9.65	5.39	9.67	6.99	11.34	10.75			
TOTALS.....	78.71	79.94	117.38	97.89	116.56	92.11	98.64	131.60	83.00	89.00	

\* \*

1878 Observer ill

Totals roughly computed from transcriptions  
of stationer

1960 7.526506  
4336

# RAINFALL AT *Chiwburydix*

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

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

County of *Merioneth*

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

Observer *Major Mathew*

*gauge - 3.*

Diameter ....	5										
Height .....	10.0										
Altitude ....	1100										
Year .....	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January ....	3.34	3.14	9.64	11.12	(12.30)	8.32	(1180)	(650)	6.02	7.02	
February ....	6.87	9.91	6.56	7.99	(14.10)	15.21	(410)	(440)	2.08	6.15	
March .....	4.32	6.14	11.62	2.30	(5.60)	5.17	(1060)	(410)	6.19	5.37	
April .....	3.79	6.13	6.68	2.00	(2.60)	2.42	(560)	4.13	6.76	8.44	
May .....	4.05	11.99	3.25	(4.30)	(6.50)	(3.90)	(730)	5.75	2.78	2.99	
June .....	8.96	10.27	4.34	2.85	(2.90)	(5.00)	(340)	1.78	4.67	1.15	
July .....	12.23	8.23	6.51	(7.00)	(9.60)	(9.00)	(1060)	6.45	14.21	5.36	
August .....	3.67	7.58	2.73	(7.70)	(3.10)	(6.00)	(540)	6.14	11.24	13.21	
September ....	9.39	5.17	4.56	(11.80)	(10.50)	(12.00)	(1220)	10.91	4.73	5.93	
October .....	5.54	7.77	11.15	(10.70)	(6.30)	(12.00)	(1230)	6.36	7.79	8.34	
November ....	15.88	11.06	16.12	(11.80)	(6.80)	(8.50)	(1010)	7.71	11.37	5.20	
December ....	20.25	9.40	21.39	(11.00)	(3.70)	(7.60)	(1360)	9.26	8.32	10.08	
TOTALS ....	98.29	96.79	36.55	75.26	(94.00)	(95.12)	(107.00)	(73.49)	86.16	79.24	

*Missing portions computed from several other stations 1881-18*

*(anti-above. copied from notes from Post-Inspector)*

*& Transferred (x1.20)*



# RAINFALL AT

*Rhwyfdu = Oakley Quarries*

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

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

County of \_\_\_\_\_

*Merioneth*

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

Observer \_\_\_\_\_

*M R Roberts*

*gledyn - 3.*

Diameter ....	5										
Height .....	10 0										
Altitude ....	1100										
Year .....	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January ....	14.06	7.80	9.39	4.44	8.84	4.98	8.75	2.15	13.79	15.99	9.019
February ....	1.52	.69	3.39	12.71	19.97	.83	4.76	10.71	10.10	5.48	7.016
March .....	10.62	4.11	2.41	3.16	10.22	11.85	14.14	9.95	3.87	5.85	7.618
April .....	4.02	5.26	3.74	.92	3.22	7.12	3.73	6.77	6.68	14.02	5.548
May .....	4.35	4.57	7.79	5.75	6.86	.45	.33	3.27	7.50	5.80	4.667
June .....	11.29	4.74	5.47	5.64	6.53	1.42	6.40	6.01	6.11	5.34	5.895
July .....	9.89	8.30	7.45	5.78	8.18	12.57	5.80	5.68	1.86	6.09	7.160
August .....	6.27	18.50	14.04	10.30	8.18	11.71	6.22	12.83	19.18	4.14	11.139
September....	5.60	12.59	12.56	9.71	1.18	4.11	13.14	10.83	6.08	10.33	8.613
October .....	7.80	10.53	9.17	10.60	9.30	9.37	10.06	4.19	10.28	5.48	8.678
November....	17.41	7.69	8.40	9.62	12.05	7.36	2.82	15.54	7.39	6.48	9.476
December ....	2.07	17.89	8.94	10.83	12.98	8.12	12.64	12.55	11.91	4.86	10.279
TOTALS ....	94.90	102.67	92.75	89.46	107.51	79.89	88.79	100.48	104.75	89.86	95.106

RAINFALL AT *Rhwydyddi Gogledd Gwynedd*

Lat. ....

Lon. ....

County of *Merioneth*

Rain Gauge, by .....

Observer *Mr. R. Roberts**Mr. Owen Jones**St. Iwan - 3.*

Diameter ..	5											
Height ....	10.0											
Altitude ..	1100											
Year ....	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.	
January ..	11.84	6.56	6.10	15.60	8.81	7.53	14.66	6.80	14.04	5.92	9.686	
February ..	6.06	2.80	2.19	12.20	6.71	5.44	8.58	5.25	8.97	2.64	6.084	
March ....	.29	7.45	6.33	12.98	8.47	11.42	11.72	8.27	8.92	8.73	8.458	
April .....	4.79	5.36	2.86	4.10	9.72	8.43	2.81	5.02	6.18	8.82	5.809	
May .....	4.97	2.16	6.44	5.08	6.07	2.84	12.33	5.58	8.90	3.22	5.759	
June .....	9.34	8.12	4.68	3.29	2.66	4.39	4.70	16.97	6.95	4.33	6.543	
July .....	5.43	2.04	4.55	11.21	6.16	6.36	3.38	5.58	11.00	11.11	6.682	
August .....	14.90	12.43	8.00	17.79	8.52	9.41	13.09	11.80	7.68	4.30	10.792	
September ..	6.97	3.45	2.98	11.28	5.67	5.44	3.56	1.65	9.71	9.46	6.017	
October ....	12.98	10.75	9.24	21.45	8.84	8.30	13.03	11.32	2.67	17.43	11.601	
November ..	11.29	11.58	6.25	11.73	8.13	9.73	8.94	6.62	8.97	5.83	8.907	
December ..	16.91	10.72	10.19	8.42	11.76	5.04	11.79	10.83	11.73	16.75	11.414	
TOTALS ..	105.77	82.42	69.81	135.13	91.52	84.33	108.59	95.69	105.72	98.54	97.752	

1900 Festiniog Church  $4\frac{1}{2}$  mile S.E.  
 1903 Blaenau Ffestiniog Station  $1\frac{1}{4}$  mile S.E.

RAINFALL at Blasau Festing Oakley QuarriesCounty of MerionethObserver Owen Jones by R. J. Jones 1912River Basin Glaclyn 3

has

Snowdon Rain Gauge, by Howard Wilson  
18.9.19.

Diameter ...	5											
Height .....	10	0										
Altitude ...	1100											
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS 1910-19 1910-19	
January ...	12.45	5.38	6.78	9.77	12.81	14.74	12.44	4.43	8.98	8.06	33.91	33.91
February ...	10.92	13.52	6.60	5.05	9.44	11.39	12.43	2.70	15.15	3.25	34.53	34.53
March .....	2.85	5.84	14.50	10.16	14.39	5.98	2.19	3.79	6.14	11.99	24.11	24.11
April .....	7.52	10.51	1.42	9.22	2.36	6.20	8.32	4.00	3.44	7.67	23.43	23.43
May .....	5.53	3.84	4.25	4.76	6.41	3.91	7.39	3.38	6.11	3.06	19.94	19.94
June .....	6.97	4.68	11.64	8.82	3.06	3.10	5.04	4.79	4.88	6.52	21.23	21.23
July .....	9.45	2.74	11.40	3.11	9.74	11.14	4.17	5.20	13.53	3.07	25.97	25.97
August .....	13.66	9.93	15.21	6.07	11.92	8.58	8.49	19.95	14.99	7.77	51.20	51.20
September ..	.63	7.47	2.22	7.70	5.50	3.70	6.84	8.40	28.32	10.01	53.57	53.57
October ...	6.77	8.52	12.53	7.79	3.64	2.36	18.76	18.53	16.99	4.18	58.46	58.46
November ...	10.20	13.40	12.32	12.97	11.52	6.14	13.05	13.62	7.15	5.86	39.68	39.68
December ...	13.63	11.83	16.43	8.31	14.40	18.08	7.14	5.65	16.97	17.33	46.99	46.99
TOTALS ...	100.68 mpd	97.66 2	115.20	93.73	105.18	95.32	106.26 mpd	95.44	142.65 mpd	88.67 d	433.02	433.02

new g. vi. 1912

9.67

+ Inspected

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



RAINFALL at *Blagau Pining (Ockley Q.)*County of *Mercia*Observer *R. D. Jones, Esq.*River Basin *Gledyn - 3*(1926) *J. Lloyd Humphreys*

M.O. Rain Gauge, by

Diameter ...	5"											
Height .....	10.0					1.0						
Altitude ...	1100											
Year .....	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	<del>1930</del>	1930.
January ...	14.32	18.87	8.53	12.00	7.61	8.35	13.02	12.38	23.09	4.64	17.66	40.97
February ...	12.77	9.3	12.39	14.50	2.26	14.55	14.78	8.35	17.02	3.24	9.3	101.72
March .....	9.64	12.47	6.41	3.50	4.65	4.69	5.49	9.26	5.07	4.73	4.48	70.39
April .....	11.53	3.44	4.38	8.00	5.25	7.79	4.37	6.10	4.53	3.24	4.83	63.68
May .....	12.05	5.28	4.49	8.00	11.95	10.30	8.36	4.18	1.77	7.68	5.18	79.24
June .....	5.28	9.6	4.21	5.00	9.42	0.7	7.78	12.01	23.14	5.49	6.36	79.72
July .....	17.06	7.71	6.00	10.00	9.16	3.67	9.63	5.82	10.25	9.39	10.04	78.73
August .....	7.71	14.55	8.72	14.50	15.04	12.50	9.53	22.63	10.89	18.47	10.26	144.80
September...	10.31	4.43	7.99	13.00	15.01	6.70	6.98	13.99	2.01	5.98	7.49	93.89
October.....	3.40	6.35	1.40	16.00	12.44	13.69	8.45	15.16	15.26	15.62	18.47	126.73
November...	6.08	4.83	5.65	19.00	7.93	5.35	11.91	16.31	23.94	20.07	15.11	136.18
December...	7.21	15.19	9.15	11.50	15.93	11.28	3.40	3.45	9.61	17.39	13.03	117.14
TOTALS.	117.38	95.01	79.32	135.00	116.65	99.44	103.70	130.14	116.57	115.94	113.84	
	D	d	d	d	d	d	d	d	d	d	d	

1921. Buildings 20 ft. high 30 yds N + S.

1923. Not finished, computed from electrically working to defective gauge.

1922 is short owing to leaks, total should be about (97.00)

1925 Buildings 26' high 30 yds W.

1927 " 12 yds " 50 " W + SW.

1930. Power Station 20' high, 45' West.

Gauge read in winter 9 a.m.

Summer 10 ...

1922 Computed using average

1924 - 18 with 4335

gives 660 102.84

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

Map, 2 miles to 1 inch Series

Reference No.

Date.	Lat. N.	Long. W.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge	Direction from gauge
1921	53	4	L. N.W.R.	1/2 mi	S	St Davids	1/2 mi	SSE
1930.			L. M.S.	1 mi.	S.	Bl. Lestiniog	1 mi	S.

RAINFALL at Blunau Festiniog (Caeau Quarry)

County of Merioneth Observer J. Lloyd Humphreys

River Basin 3. Glaslyn

Type of Gauge

Annual Average 9.71 in. based on 35 years obs. un-weighted. Period of average 1881-1915 Ref. Engl

879037/26

Diameter	5.										
Height	1.0										
Altitude	1100										
Year	1931	1932	1933	1934	1935	1936	1937	1938	+ 1939	1940	Means
January	14.47	13.72	9.79	11.41	6.21	7.53	10.20	15.71	10.99	5.96	10599
February	11.38	.04	7.58	1.15	17.68	3.77	12.93	5.73	11.97	6.95	8013
March	2.08	6.56	4.81	6.59	3.86	4.85	3.61	7.13	4.58	9.87	5399
April	6.84	9.81	3.48	5.26	7.42	4.43	8.43	1.03	5.90	3.97	5827
May	5.28	8.84	3.70	9.52	2.31	3.03	1.75	6.02	1.26	2.25	9396
June	12.73	2.68	7.11	6.72	10.13	10.22	6.84	12.09	7.06	1.12	7670
July	12.25	12.38	8.09	2.59	3.11	12.40	5.16	11.32	14.84	7.74	8988
August	8.06	1.99	4.62	12.04	6.59	10.08	4.60	6.55	5.43	4.76	6472
September	6.20	12.02	1.81	9.30	16.67	10.96	5.86	4.16	2.74	6.57	8029
October	9.36	18.79	10.46	18.09	21.00	11.10	3.95	20.63	4.42	10.73	12853
November	16.96	11.42	3.27	3.94	10.75	12.21	5.20	10.41	18.98	15.83	10897
December	7.94	9.50	2.22	16.07	6.78	14.09	6.52	9.26	12.39	13.14	9791
TOTALS	113.55	107.45	66.94	102.68	112.51	104.67	76.05	110.14	100.46	94.89	98939

1931. Small hut 10' high, 10 yards W. house.

+ 1939 station inspected August 25. g. sound. ground quite flat for some distance, good shelter to N.W. E.S.

1940 g. in pit 10 ft. square, rim of g. level with top of pit recommended by State Block. inspection.

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.			Blunau Festiniog	1 m.	S.E.	Blunau Festiniog	1 m.	S.



Station No. M 4336RAINFALL at Blaenau Ffestiniog (Oakley Quarry)

41

County of MerionethObserver J. Lloyd HumphreysRiver Basin 3 - GlynwynG.W. Humphreys (1942 -

Type of Gauge .....

Annual Average 97.1 in. based on 25 years obs. un-weighted Period of average 1881-1915 Ref. B 211\* 106.54weightedFile No. 879037 28 A.W.S.

Diameter	5				526	606						
Height	10					1						
Altitude	1100					41						
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means	
January	292	1498	1271	2049	811	1777	1016	2407	1120	873	13114	
February	897	499	1039	548	1557	1644	180	820	579	1330	9093	
March	794	651	600	209	682	525	1415	884	564	689	7013	
April	406	370	551	633	607	403	781	438	1141	1126	6456	
May	680	606	878	836	1002	277	378	327	640	220	5844	
June	078	108	1189	886	867	1285	532	1389	249	915	7498	
July	327	1149	799	1014	634	956	886	680	488	908	7841	
August	1061	907	1785	838	313	1116	037	1278	821	2000	10156	
September	174	1189	1178	1203	962	2109	819	1634	257	2214	11739	
October	1348	1798	1483	1189	1036	186	184	951	1249	1166	10589	
November	529	263	927	1707	121	1363	2009	1078	1102	1114	10213	
December	1030	1647	447	1352	782	1420	951	1015	1967	606	11219	
TOTALS	7616	10685	12147	12464	9374	13061	9188	12901	10178	13161	110775	10

April 1945. Slave covered with 1/2" layer granite chippings. by Estate block

87436

\* average revised after change of exposure in 1940

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.

BRITISH RAINFALL ORGANIZATION

Station No.

4336

RAINFALL at 5 Blaenau Ffestiniog (Oakeley Quarry)

51

County of Merionethshire

Observer

G. W. Humphreys Esq.River Basin 3 - Glaslyn

Type of Gauge

StandardAnnual Average 115.69 in. based on 4 years obs. unweighted.

Period of average

1881-1915Ref. P.W.S.115.69 " " 16 " " 1941-1956

File No.

579037/28

Diameter ...	5"				516	606				5"	
Height ...	1' 0"					1				1' 0"	
Altitude ...	1100'					51				1100'	
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...	12.06	12.37	6.67	10.83	8.54	8.35	17.45	9.29	7.84	15.82	10.922
February ...	8.93	3.87	8.26	9.68	4.70	1.52	5.77	15.20	4.63	8.72	71.28
March ...	12.43	12.21	5.31	8.71	2.55	5.06	10.67	2.91	5.63	3.71	69.19
April ...	7.78	4.42	7.07	4.57	10.21	2.73	2.04	4.84	5.07	6.90	57.69
May ...	1.88	3.53	5.55	5.48	9.02	5.43	4.54	9.55	1.88	3.41	50.27
June ...	3.87	9.38	4.46	9.03	12.81	5.64	3.90	5.73	5.30	5.04	65.16
July ...	5.24	3.35	15.32	15.64	3.76	12.11	14.53	8.93	8.80	11.45	99.07
August ...	11.00	7.75	11.31	15.55	3.14	17.90	11.39	8.01	1.60	6.47	92.12
September ...	14.74	8.89	12.48	12.49	6.62	9.60	14.69	15.01	1.50	10.50	106.52
October ...	2.23	8.25	4.68	31.09	7.53	9.52	(20.17)	10.57	13.39	7.55	114.98
November ...	13.73	7.46	16.12	12.24	3.35	4.47	4.24	5.43	13.53	21.17	101.74
December ...	18.34	11.28	5.15	16.48	14.64	11.47	11.04	6.68	21.27	13.47	129.82
TOTALS ...	112.23	92.76	102.38	118.79	86.87	93.80	120.43	102.15	92.44	114.21	1067.06

1941 9. in pit 10' sq. Rim of g. level with top of pit. G. surrounded by estate block.

Inspected 8.8.60. by Hbbbk of E → S otherwise reasonable. Slate 'half wall'. Immediate corner of slate.

00044

SH(23) 693469

Position of Station on Ordnance One-Inch map :

No. of Map.....

National Grid Reference

SH(23) 693469

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
	1910-19 1911-19 1912-19 1913-19 1914-19 1915-19 1916-19	1920-30 1921-30 1922-30 1923-30 1924-30 1925-30 1926-30	1931-40 1932-40 1933-40 1934-40 1935-40 1936-40 1937-40	1941-50 1942-50 1943-50 1944-50 1945-50 1946-50 1947-50	1951-60 1952-60 1953-60 1954-60 1955-60 1956-60 1957-60