

Birr Castle

Parsonstown

60

Kings County.

Carl Koppe

Newman

Dec 4 in + Ground 3 in

+ Sea level 202 ft

Shannon L. bank - 1.

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -			^{8.01} 3.58	3.12	1.81	3.00	4.14	^{2.63} 1.70	3.17	4.06	
February - -			^{1.13} 2.26	1.65	0.68	2.71	2.59	^{2.39} 2.35	2.45	^{2.58} 2.57	
March - - -			3.84	2.53	2.64	1.80	2.43	^{2.85} 1.92	3.12	1.78	
April - - -			^{2.04} 2.81	1.25	1.17	1.05	1.79	^{2.97} 3.70	2.20	^{2.80} 2.88	
May - - -			^{3.87} 3.86	1.01	1.65	3.69	1.14	^{3.07} 2.99	^{2.19} 2.17	3.72	
June - - -			^{2.89} 2.73	.90	3.25	.85	2.57	1.02	1.55	1.51	
July - - -			^{3.47} 3.76	.33	.81	^{3.17} 3.49	.91	3.82	^{2.42} 2.44	2.15	
August - -			2.92	3.77	1.73	2.82	^{3.68} 3.78	^{2.80} 2.69	4.90	2.07	
September -			1.51	3.67	3.34	.40	4.59	^{1.32} 1.33	2.82	^{6.14} 4.75	
October - -			4.86	4.21	3.75	4.03	2.17	^{4.70} 4.67	2.29	.62	
November -			1.95	4.07	^{4.33} 4.07	4.21	^{2.95} 2.85	1.27	2.31	2.92	
December -			^{2.150} 2.20	^{2.86} 2.24	2.14	^{3.27} 3.14	3.54	^{1.14} 1.11	^{4.16} 4.21	5.13	
TOTALS -			36.28	28.81	27.04	34.90	32.50	28.17	33.63	35.56	

36.28 28.81 27.04 34.90 32.50 28.17 33.63 35.56
36.28 29.31 27.30 31.78 32.97 33.58 35.48

Corrections sent Dec. 5. 1879

RAINFALL AT *Carsonstown Biv. Castle*Lat..... Lon..... County of *Kings County*Rain Gauge, by..... Observer *Hon. N. Parsons**Shannon, L. marker 1.*

Diameter.....	.4			.8							
Height.....	.3			.8							
Altitude.....	200			183	180					183	
YEAR.....	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.
January.....	2.95 2.95	2.86	(3.45)	5.35	2.74	4.85	1.21	4.74	2.86	1.68	
February.....	1.68	2.10	(2.40)	.90	1.63	1.18	4.16	2.32	1.64	3.29	
March.....	2.14	2.03	(2.44)	4.20	1.75	1.05	4.44	2.65	1.21	1.59	
April.....	1.94 2.21	2.09	(2.30)	1.79	1.79	.79	2.06	3.01	1.43	2.24	
May.....	2.22 2.21	2.03	(2.04)	2.11	2.28	1.94	.75	2.07	3.42	2.55	
June.....	1.78 1.64	2.88	(3.30)	1.13	1.75	3.20	1.57	3.73	5.17	4.90	
July.....	1.73 1.73	5.22	(2.19)	4.20	2.90	2.59	1.70	2.32	2.56	3.00	
August.....	1.63	2.20	(4.86)	4.91	5.18	3.07	3.43	4.37	3.79	4.54	
September.....	3.51 2.66	.64	(3.28)	4.08	3.87	6.55	4.43	2.58	3.12	4.60	
October.....	7.28	3.50	(4.49)	3.90	3.97	3.05	3.20	3.50	2.88	1.24	
November.....	1.38 1.44	1.70	(3.74)	2.04	3.60	2.62	2.50	5.44	1.76	.86	
December.....	1.83 3.32	2.40	(5.27)	1.14	4.19	1.96	4.93	3.35	1.23	1.86	
TOTALS.....	28.47 27.97	29.65	39.48	36.05	35.65	32.85	34.38	40.08	31.07	32.35	34.005

*Corrections sent Dec. 5th 1873.**1872 from Mr. Bracey's record.**1872 estimated from Portarlington and Tullamore**months roughly computed 20.7.25*

RAINFALL AT *Birr Castle*

Lat.

Lon.

County of *Kings County*

Rain Gauge, by

Observer *W. H. Earl of Rose, F.R.S.*

Shannon, L. Gauge - 1.

Diameter	8										
Height	0.8				7	8		10			
Altitude	183 π				180	170		180			
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January	93	.39	2.31	4.98	3.97	2.41	3.63	2.28	1.98	2.09	
February	2.56	3.39	2.41	3.58	3.12	2.80	1.94	1.87	.57	1.70	
March	3.51	2.39	2.53	.63	3.01	2.22	2.75	1.27	3.02	1.43	
April	4.02	1.39	3.3	1.75	1.59	3.00	1.94	1.53	1.61	1.95	
May	1.41	2.50	2.75	2.60	2.20	1.91	3.19	1.42	2.04	3.22	
June	2.92	4.13	3.06	1.72	.78	1.21	1.26	.33	4.75	1.20	
July	7.25	1.92	4.41	3.94	3.23	2.19	2.60	2.87	4.37	1.90	
August	1.69	4.74	3.38	4.07	1.36	2.62	2.13	2.19	2.34	4.88	
September	2.05	3.99	1.60	3.34	1.89	5.43	3.07	1.86	.67	.88	
October	2.51	2.55	3.38	3.63	2.86	3.59	4.44	1.94	1.35	3.20	
November	3.46	4.17	5.32	4.40	2.75	1.93	3.05	2.56	2.32	1.49	
December	3.00	4.31	3.41	1.88	4.22	.95	4.99	2.54	3.51	3.14	
TOTALS	35.31	35.92	37.9	36.52	30.98	30.26	34.99	23.06	28.53	27.03	

Birr 400 yards NE.

1885 Jan'y 1 to 12 820.061.

1881 & 1885 (Jan.) from Mr. Bracey's records.

RAINFALL AT *Birr Castle*

Lat.

Lon.

County of *Kings County*

Rain Gauge, by

Observer *St. M. Earl of Rose, F.R.S.*

Shannon, L. bank - 1.

Diameter	8											
Height	0.8				11			8				
Altitude	180				180	170		180				
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS,	
January	98	68	2.29	4.95	3.56	2.21	4.03	2.81	2.14	2.21	2.586	
February	2.69	3.32	2.34	3.60	3.38	2.92	1.82	1.25	.61	1.70	2.363	
March	3.55	2.32	2.51	.63	2.83	1.63	2.84	1.31	3.10	1.43	2.215	
April	4.06	1.35	3.10	1.73	1.57	3.23	2.00	1.89	1.63	1.85	2.241	
May	1.39	2.49	2.75	2.57	2.16	2.15	3.16	1.38	2.09	3.28	2.342	
June	2.84	4.11	3.02	1.72	.85	1.19	1.81	.34	4.83	1.23	2.194	
July	7.34	1.88	4.34	3.90	3.21	2.15	2.39	2.91	4.47	1.90	3.449	
August	1.69	4.72	3.29	3.97	1.30	3.12	2.20	2.49	2.41	4.83	3.002	
September ...	2.09	3.96	1.54	3.40	1.78	5.09	3.11	1.67	.71	.88	2.433	
October	2.53	2.50	3.35	3.58	2.45	3.76	4.30	2.64	1.37	3.13	2.961	
November	3.59	4.09	5.32	4.21	3.23	1.88	3.10	2.18	2.46	1.54	3.160	
December	3.06	4.81	3.37	1.86	4.15	.96	4.92	2.60	3.86	3.10	3.269	
TOTALS	35.81	36.23	37.32	36.12	30.47	30.29	35.68	23.47	29.68	27.08	32.215	

Birr 400 yards NE.

RAINFALL AT *Parsonstown Binn Castle*

Lat. _____

Lon. _____

County of *King's County*

Rain Gauge, by _____

Observer *The Meteor Council*

Shannon L. bank - 1.

Diameter	8											
Height	0 11											
Altitude	180											
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.	
January	5.84	1.64	1.67	2.59	3.66	2.21	1.02	1.59	1.83	3.44	2.549	
February ....	.81	.19	2.80	2.69	3.34	.86	1.55	1.97	1.59	2.27	1.807	
March	3.12	1.31	.57	.61	2.11	2.98	4.65	4.80	.79	1.19	2.213	
April .....	.69	1.70	.98	.76	4.78	1.93	.95	4.29	3.54	2.96	2.258	
May	1.51	2.92	4.46	2.82	2.48	.69	.36	1.48	2.72	3.35	2.279	
June	2.50	2.76	1.86	2.54	2.42	.82	2.15	3.84	3.40	1.77	2.406	
July	2.23	2.16	3.48	2.05	4.08	3.58	5.29	2.31	1.12	3.50	2.980	
August	3.31	6.59	7.53	3.51	2.96	4.86	2.88	4.05	6.36	4.05	4.610	
September....	3.24	1.83	4.06	2.01	.31	.44	5.63	2.29	3.00	2.30	2.511	
October	2.36	3.07	2.05	3.29	3.40	2.87	2.63	2.61	2.11	1.84	2.623	
November....	5.34	2.19	3.26	1.71	3.50	4.33	1.05	4.29	5.27	2.46	3.340	
December	1.94	5.41	1.19	3.71	2.89	3.70	4.26	4.46	2.49	3.76	3.381	
TOTALS	32.89	31.77	33.91	28.29	35.93	29.27	32.42	37.98	34.22	32.89	32.957	

1880

RAINFALL AT *Parsonstown Bir Castle*

Lat.

Lon.

 County of *Kings County*

Rain Gauge, by

 Observer *R. H. Earl of Rose F.R.S.*
Shannon, L. bank - 1.

Diameter	8										
Height	0 7				1 0						
Altitude	176				183						
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	5.46	1.75	1.56	2.29	3.60	2.20	1.00	1.82	1.70		
February ....	.81	.17	2.97	2.59	3.08	.60	1.45	1.63	1.72		
March	2.91	1.30	.57	.97	2.47	2.96	4.62	4.63	.85		
April .....	.65	1.43	.96	.75	5.28	1.96	.90	4.33	3.26		
May	1.45	3.06	4.36	2.87	2.48	.73	.34	1.45	2.98		
June	2.17	2.60	1.96	2.54	2.42	.78	2.13	3.81	3.43		
July	2.36	2.46	3.49	1.95	3.79	3.63	5.40	2.31	1.09		
August	3.15	6.20	6.50	3.61	1.89	4.88	2.58	4.16	6.39		
September....	2.33	2.14	3.99	1.94	.32	.44	5.56	2.18	3.00		
October	2.53	3.14	2.86	3.27	3.29	2.90	2.49	2.61	2.10		
November....	4.95	2.15	3.03	1.65	3.61	4.36	1.08	5.12	5.21		
December	1.83	5.38	1.42	3.79	2.79	3.59	4.27	3.79	2.49		
TOTALS	30.60	31.78	33.67	28.22	35.02	29.03	31.82	37.84	34.22		

Same gauge as Met. Off. record entered to day of observation

RAINFALL AT *Parsonstown Binn Castle*

Lat. Lon. County of *Kings County*

Rain Gauge, by Observer *R. Hon Earl of Rosse F.R.S.*
No. 1 Shannon, L. bank - 1. 20 (Glen) collecting J. Ross.

Diameter ..	8										<i>John Hall</i>
Height	10										
Altitude ..	180										
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..	4.26	2.77	3.01	4.55	3.49	2.82	3.89	1.15	2.92	2.68	3.104
February ..	2.32	1.20	1.99	2.69	3.91	1.54	2.54	1.72	2.31	.97	2.119
March ....	.67	2.93	2.18	6.12	2.64	4.17	2.29	2.73	3.00	3.05	2.978
April	2.13	2.08	2.07	1.32	2.25	1.54	1.64	2.50	1.85	4.24	2.162
May	2.30	1.69	2.00	1.69	2.81	1.06	3.42	2.89	2.60	2.60	2.306
June	3.60	2.90	1.62	1.35	1.84	1.45	2.06	2.99	1.20	1.72	2.073
July	1.90	1.22	2.05	4.99	3.15	1.12	3.09	4.91	3.09	1.97	2.749
August	7.24	2.76	2.57	5.08	3.31	5.50	3.87	3.28	3.17	1.18	3.796
September ..	1.71	3.83	1.68	3.62	2.00	1.58	.97	1.04	5.97	2.10	2.450
October	4.12	2.72	1.67	4.47	2.78	1.28	4.79	4.81	1.56	4.31	3.251
November ..	4.41	4.10	4.39	2.48	2.29	2.33	1.73	2.82	2.47	1.87	2.889
December ..	3.94	3.00	3.01	2.57	1.84	1.80	2.35	2.53	3.14	3.70	2.888
TOTALS ..	38.60	31.20	28.24	40.93	32.31	25.69	32.64	34.37	33.28	30.39	32.765

1907 Binn church 1/4 mile E
 Station 1/2 SSE

RAINFALL AT *Parsonstown Riv Castle*

Lat.

Lon.

County of *Kings County*

Rain Gauge, by

Observer *A. H. C. Ross F.R.S.*

No. 2. *Shannon, L. Bank - 1.*

J. H. Smith 6/1/00

Diameter ..			8								
Height			0 10								
Altitude ..			182								
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..			3.04	5.35	3.53	2.31		1.11		2.55	
February ..			2.00	3.24	4.37	4.08		1.69		.96	
March			2.31	5.49	2.79	4.24		2.73		2.12	
April			2.00	1.39	2.01	1.88		2.48		4.16	
May			1.99	1.58	3.26	.91		2.84		2.59	
June			1.52	1.19	1.63	1.47		3.05		1.71	
July			1.96	4.93	3.71	1.28		4.88		1.94	
August			2.45	5.18	3.27	5.33		3.26		1.12	
September ..			1.56	3.19	2.35	1.42		1.04		2.03	
October			1.69	4.46	2.48	1.32		4.78		4.21	
November ..			4.66	2.51	2.37	2.47		2.70		1.94	
December ..			2.92	2.61	1.91	1.90		3.48		3.69	
TOTALS ..			28.10	41.12	33.68	25.61		34.04	N.R.	29.02	

1909 *Corrected for wrong day.*

St. Brendos Church

E

Riv. Station

1/2 mile

SE

RAINFALL at Birr Castle No. 1.County of Kings Observer Dr. J. Boeddicker
John HillRiver Basin Shannon - Left Bank Trib. 1

Rain Gauge, by _____

Diameter ...	8										
Height	1	0									
Altitude ...	183					175					
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...	3.58	1.68	2.71	4.77	1.23	4.05	2.53	1.00	2.20	2.75	
February ...	4.21	2.62	3.16	1.26	4.50	4.15	4.15	1.81	3.74	1.12	
March	1.97	.96	3.58	3.94	3.42	.80	2.03	2.44	2.14	1.86	
April	2.72	1.61	.99	3.91	2.09	1.72	2.99	1.14	1.03	1.51	
May	2.14	1.26	1.33	3.46	1.58	.49	4.96	3.31	2.04	2.52	
June	3.70	2.22	4.96	3.28	.91	1.97	2.87	1.53	1.19	3.76	
July	3.00	2.80	4.78	1.02	2.39	4.62	2.77	2.60	3.48	1.77	
August	4.44	2.34	4.63	1.30	4.12	3.96	3.17	9.01	2.37	2.35	
September ..	.69	1.67	.38	3.20	1.69	1.46	2.43	1.73	5.27	2.66	
October ...	1.83	4.08	2.17	3.63	1.83	2.92	5.94	3.89	3.63	.92	
November ..	2.87	4.04	1.70	3.08	3.52	3.02	3.74	2.48	3.07	2.07	
December ...	3.28	5.11	4.10	2.53	5.32	4.25	2.98	1.46	4.73	5.22	
TOTALS ...	34.43	30.39	34.49	35.38	32.60	33.41	40.56	32.40	34.89	28.41	32.696

D D D

2268

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

RAINFALL at Birr Castle No. 2.County of Kings. Observer Dr. O. Boeddicker
W. J. RoeRiver Basin Shannon Left bank trib. 1

Rain Gauge, by _____

Diameter ...	8										
Height	1 0										
Altitude ...	183										
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...	352										
February ...	411										
March	196										
April	284										
May	208										
June	376										
July	303										
August	442										
September ..	61										
October ...	170										
November ..	283										
December ...	307										
TOTALS ...	3393										

D

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

RAINFALL at Pine Castle MoneygownCounty of KingsObserver My L B BiddulphRiver Basin Shannon Upper Bank Unit 1Snowdon Rain Gauge, by _____

Diameter ...								5			
Height								16			
Altitude ...								300	400		
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...								1.20	2.17	2.39	
February ...								1.62	3.98	1.31	
March								3.74	2.47	1.85	
April								1.14	1.28	1.62	
May								2.62	2.29	2.66	
June								1.33	1.36	4.32	
July								1.23	3.52	1.83	
August								9.86	2.57	2.46	
September...								1.77	5.15	2.47	
October ...								3.78	3.85	.80	
November ...								1.95	3.19	1.95	
December...								1.94	4.42	4.88	
TOTALS ...								32.18	36.25	28.57	

1917 New 20 ft high 18 inch W + SE

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
	53 54.	8.	Pine	10 Miles	W	Kinnelby	2 1 1/2 m	S W

RAINFALL at *Birr Castle*County of *Kings*Observer *Earl of Rose*River Basin *Shannon Left Bank Trib. 1.**J. Ryan for the*

Rain Gauge, by

Diameter ...	8										
Height	1 0										
Altitude ...	175			175							
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 Means.
January ...	4.45	3.70	2.83	2.93	3.95	3.30	4.55	3.38	3.89	1.47	4.92
February ...	3.67	.92	3.95	4.78	1.22	5.25	2.17	2.43	3.89	3.24	.56
March	2.83	2.83	1.64	2.35	.78	.47	1.11	3.44	3.24	.53	3.74
April	2.98	.79	2.27	2.96	3.31	3.80	1.87	1.54	1.84	.91	1.83
May	2.60	2.01	1.84	1.33	4.26	4.76	2.57	.79	2.17	2.57	1.66
June	1.20	.76	1.37	.93	2.88	.55	2.61	2.78	4.35	1.69	1.80
July	4.35	4.01	2.63	2.83	2.94	3.98	5.00	2.96	2.11	3.47	3.14
August	2.13	3.36	3.17	5.38	3.77	1.83	2.93	4.29	4.10	4.96	5.71
September...	1.68	2.20	3.82	3.35	6.76	1.84	2.07	4.88	1.55	.83	3.86
October	5.78	2.64	1.16	4.50	3.44	2.17	2.19	1.91	5.43	4.06	4.64
November...	3.00	2.82	.84	2.95	4.09	2.14	3.34	2.48	3.91	3.98	2.94
December...	2.64	4.21	4.01	3.19	5.36	1.72	.98	2.16	3.52	6.50	3.45
TOTALS...	37.31	30.25	29.53	37.42	42.76	34.81	31.39	33.04	40.00	34.21	38.23
	D	D	D	D	D	D	D	D	D	D	D

3551

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

No. of Map

Reference No.

Date.	Lat. N.	Long. W.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge	Direction from gauge
1920	55.6	7.55	Birr ('26)	1 m.	S.	St. Andrew's, Birr	100 yds	N.

RAINFALL at Birr Castle M.W.R.County of Offaly (King's Co) Observer E. de RosseRiver Basin 1- Shannon Left Bank

Type of Gauge.....

Annual Average 32.6 in. based on 35 years obs. un-weighted. Period of average 1881-1915 Ref. B.M.N.

Diameter	8"										
Height	1' 0"										
Altitude	175'	173									
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January	1.85	3.94	2.86	4.44	1.24	3.96	4.43	4.29	5.03	2.48	
February	2.53	.23	2.32	.17	3.02	1.78	4.15	1.44	2.74	3.86	
March	2.11	1.26	3.32	2.91	1.36	1.54	2.06	1.35	2.70	2.12	
April	3.03	2.22	.99	1.89	1.77	2.28	2.66	.15	1.08	2.52	
May	2.81	2.75	2.02	2.00	1.04	.98	2.74	3.63	1.33	.90	
June	4.01	.57	2.51	1.93	4.78	2.96	2.05	3.44	2.28	1.07	
July	3.92	3.69	3.12	1.80	.94	6.14	3.85	6.71	3.59	3.38	
August	2.55	1.46	2.33	4.58	3.23	1.92	3.33	4.09	1.45	.50	
September	2.50	3.71	1.40	5.02	5.67	4.67	4.00	2.04	2.25	2.11	
October	1.97	3.30	2.11	3.47	3.88	1.95	1.92	7.28	.87	6.22	
November	6.16	1.28	1.15	1.34	4.03	3.07	1.47	4.68	7.39	4.18	
December	2.07	4.35	1.93	5.14	1.48	5.13	1.94	3.31	2.22	3.51	
TOTALS	35.51	28.76	26.06	34.69	32.44	34.38	34.66	42.51	32.93	32.85	

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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
	53° 6'	7° 55' W	Birr	1 m	S.	S. Brindley's, Birr	1000 yds.	N.

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