

Rainfall at Barnstaple

E-7-118

T. Mackrell

N. Devonshire

Gauge  
Law - 2.

Gin + ground

31 ft + Sea Level

YEAR - -	1850	1851	1852	1853	1854	1855	1856	1857	1858	1859	MEANS.
January - -								4.89	1.57	4.80	
February - -								1.75	.84	2.00	
March - - -								3.75	1.17	3.54	
April - - -								3.86	4.58	2.79	
May - - - -								2.30	3.31	1.78	
June - - - -								1.94	1.67	1.57	
July - - - -								4.22	3.76	3.62	
August - - -								1.43	1.88	5.25	
September -								2.92	3.89	5.30	
October - - -								5.16	3.87	5.03	
November - -								2.15	2.34	5.03	
December - -								1.74	4.46	3.57	
TOTALS -								36.11	33.34	44.50	

c c c

The above returns are believed to be correct having been verified by Mackrell; Cotton observed in 1857, and in 1858 some mistakes were made in the placing of decimals.

Barnstable

The Mackrell

8 + ground bin + Sea level 31 ft  
 Jan - 2

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -	5.29	1.27	3.65	4.24	1.74	4.95	5.44	5.89	6.10	4.69	4.326
February - -	1.50	2.64	.95	1.28	2.15	3.98	4.56	3.57	2.23	4.35	2.721
March - - -	4.01	3.33	4.06	1.93	2.56	2.99	3.23	3.22	3.23	1.06	2.962
April - - -	2.76	.66	3.28	1.88	2.04	1.45	1.46	3.49	2.50	1.89	2.141 -
May - - - -	3.42	1.40	3.51	1.75	1.35	3.18	1.05	2.63	1.91	4.90	2.510
June - - - -	7.00	2.54	4.24	5.65	3.03	2.26	2.48	1.02	.52	.54	2.928
July - - - -	3.64	5.00	3.00	.79	.89	3.02	2.60	3.73	.38	.90	2.475
August - - -	7.89	2.76	3.79	4.09	2.11	4.52	3.99	2.24	4.60	1.43	3.750
September -	3.54	4.00	3.89	6.61	4.29	.26	7.07	2.19	3.73	6.00	4.158
October - - -	4.01	2.94	6.90	4.64	.64	5.57	2.13	7.12	5.59	4.76	4.430 +
November -	2.64	7.60	2.53	4.48	3.54	4.04	4.01	1.08	2.29	1.01	3.622
December -	4.44	2.21	3.98	2.83	2.09	3.14	5.00	3.16	6.78	5.19	3.882
TOTALS -	50.14	37.15	43.78	40.17	26.43	39.36	43.02	39.34	39.94	39.72	39.905

+ c c c c c c c c c c  
 1863 June 5<sup>th</sup> 1.52 in

RAINFALL AT *Barnstable*

Lat.....

Lon.....

County of *N. Duxbury*

Rain Gauge, by.....

Observer *J. Mackrell Esq.*

Taw - 2

Diameter .....	.8										
Height .....	.6							1.2			
Altitude .....	43	31.0									
YEAR .....	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.
January.....	3.19	3.78	5.98	5.43	4.06	5.79	2.13	5.23	2.92	4.04	4.255
February .....	1.89	2.68	4.64	2.29	2.81	1.79	3.90	3.33	2.23	6.37	3.193
March .....	1.74	1.74	3.74	3.77	2.07	1.23	5.40	2.88	1.51	.78	2.486
April .....	1.50	3.83	2.68	1.11	1.89	2.16	2.83	3.82	2.53	2.37	2.380
May .....	1.63	1.96	1.93	2.30	.70	2.61	.64	2.95	4.82	2.49	2.103
June.....	.92	2.43	5.32	1.50	1.48	4.01	1.25	1.42	3.07	5.74	2.714
July.....	1.17	6.01	6.35	4.50	2.77	3.35	1.27	4.80	1.70	3.57	3.549
August.....	1.35	1.75	2.82	7.19	5.65	3.30	2.74	5.09	5.62	5.52	4.103
September....	2.04	4.37	5.14	3.16	5.93	5.53	5.77	3.18	4.03	3.66	4.281
October.....	8.50	6.12	7.38	4.46	4.44	6.40	3.58	3.94	7.21	2.47	5.450
November.....	3.36	1.79	6.27	2.14	3.06	7.15	3.53	8.77	4.64	.80	4.151
December.....	2.42	2.54	5.71	1.45	7.10	2.02	6.91	4.12	3.80	1.54	3.761
TOTALS .....	28.79	38.00	57.96	39.30	41.96	45.34	39.95	49.53	44.08	39.35	42.226



# RAINFALL AT *Barustaple*

80

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

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

County of *N Devon*

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

Observer *Mr. Knill*

TABLE -- 2

Diameter ....	8									8	
Height .....	1.0									0.0	
Altitude ....	317									20	
Year .....	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January ....	.71	1.74	2.56	3.60	4.63	3.16	6.06	3.96	2.56	1.19	3.017
February ....	4.34	3.83	2.72	5.27	4.45	3.94	1.32	.59	1.61	2.58	3.065
March .....	1.73	2.93	1.71	.98	3.65	1.92	3.07	1.69	3.80	3.43	2.491
April .....	2.62	1.50	4.94	2.05	1.55	2.44	3.19	1.46	.99	1.09	2.183
May .....	1.61	2.05	1.92	1.89	1.31	3.21	4.55	1.17	1.16	3.43	2.200
June .....	1.71	3.40	3.23	3.10	1.69	3.62	.83	.92	2.79	.33	2.162
July .....	7.14	1.83	5.03	4.73	3.12	.94	2.66	1.86	3.94	3.44	3.469
August .....	1.45	5.60	5.86	2.29	3.40	1.05	1.17	1.31	4.58	2.89	2.960
September ....	4.07	2.31	3.94	5.19	2.24	6.88	2.63	4.78	1.26	1.64	3.494
October .....	6.45	2.94	7.38	5.02	3.98	5.68	7.36	4.39	2.15	5.59	5.094
November ....	3.89	4.26	7.61	7.51	2.98	2.81	5.03	3.56	5.63	2.81	4.609
December ....	7.27	5.70	6.81	2.91	4.97	2.06	7.16	3.74	3.82	2.44	4.688
TOTALS ....	42.99	38.09	53.71	44.24	37.97	37.71	45.03	29.43	34.29	30.86	39.432

1888 Gauge moved at end of July from the old  
Athenaeum to the new premises

# RAINFALL AT

Barnstaple

Albion

N. Devon

1840

Lat.

Lon.

County of

N Devon

Rain Gauge, by

Observer

Mr Knill J. Maimwright

Taw -- 2

Diameter ....	8											
Height .....	1 0				0 6		1 0					
Altitude ....	31 ft				15 ft		25					
Year .....	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.	
January ....	3.28	2.67	2.22	2.33	2.49	3.75	1.46	2.22	1.23	6.70	2.835	
February ....	1.02	.03	1.93	3.65	2.43	.17	1.14	6.37	2.35	3.20	2.229	
March .....	1.66	1.11	.65	.50	2.64	3.28	4.85	3.98	.97	1.17	2.081	
April .....	2.54	1.50	1.57	.22	1.34	1.97	1.29	3.73	1.70	2.93	1.879	
May .....	2.76	2.78	1.26	1.58	2.90	.54	.05	1.62	3.39	2.78	1.966	
June .....	3.24	1.42	1.45	.59	1.56	1.58	3.15	1.92	2.55	1.07	1.853	
July .....	2.73	3.00	1.96	7.26	4.30	3.57	1.20	3.12	.65	.62	2.841	
August .....	3.03	6.08	3.15	2.42	3.25	3.57	1.43	5.33	2.64	1.98	3.298	
September....	1.64	3.18	3.33	2.81	1.90	.66	5.68	5.39	1.35	2.87	2.881	
October .....	2.90	3.98	3.61	4.62	5.37	5.75	4.26	1.39	7.21	3.01	4.210	
November....	3.82	3.39	2.33	2.13	6.47	4.72	1.36	2.24	2.99	2.94	3.240	
December ....	1.04	3.16	2.53	3.91	3.51	4.22	6.14	4.95	4.59	3.86	3.791	
TOTALS . . .	29.67	32.30	25.99	32.02	38.26	33.78	32.01	42.26	31.62	33.12	33.104	

1890 July + Sept incorrectly printed in R.G.R

1894 Barnstaple Ch 300 yards N  
 Brookings 4 ft high 15 ft NE

RAINFALL AT *Barnstable Athenaeum*

Lat. ....

Lon. ....

County of *Devon North*

Rain Gauge, by .....

Observed *J. Wainwright Esq.**Law - 2.*

Diameter ..	8										
Height ....	10										
Altitude ..	25 T										
Year ....	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..	4.98	2.79	2.21	4.59	4.30	1.98	6.49	2.11	2.09	2.30	3.384
February ..	5.85	1.67	1.57	1.64	5.50	1.70	4.21	1.82	2.69	.43	2.708
March ....	.89	1.94	3.46	4.56	1.51	4.65	2.13	1.05	3.47	4.99	2.865
April .....	1.89	2.74	1.12	2.33	1.66	2.08	1.68	4.27	2.39	2.50	2.266
May .....	1.68	.87	2.65	2.53	2.55	.24	3.83	2.82	1.44	1.75	2.036
June .....	2.75	3.36	3.48	1.47	.95	2.63	1.95	3.18	.78	1.36	2.191
July .....	1.97	.97	2.35	2.92	3.81	1.91	1.33	2.18	2.30	2.39	2.213
August ....	2.38	2.46	2.24	3.63	2.62	4.81	3.01	3.24	3.07	2.32	2.978
September ..	1.24	3.20	3.24	5.11	2.36	1.80	1.30	.93	2.02	2.68	2.388
October .....	5.53	4.30	3.45	10.01	2.74	3.10	6.01	5.72	1.41	5.90	4.817
November ..	5.49	2.26	3.89	3.10	3.69	4.50	5.01	2.87	2.04	1.96	3.421
December ..	5.61	6.84	2.74	3.87	3.52	1.76	3.82	5.47	4.65	4.87	4.315
TOTALS ..	40.26	33.40	32.40	45.76	35.21	31.16	40.77	35.66	28.35	33.45	35.642

*Barnstable*  
*St. Peter's Church* 400 yards N  
*Barnstable Station* 5.4 700 " S.W.  
*Harbour Clock Tower* 40 ft high 60 ft N



RAINFALL at Pamstaple North Devon AtherhamCounty of North DevonObserver J. Wainwright Esq Season 1915River Basin Jaw 2H. G. G. Esq  
1919 F. W. Chandler Esq, E. YoungZinc Rain Gauge, by N+3funnel  $\left\{ \begin{array}{l} 8.00 \\ 8.00 \\ 7.98 \\ 8.02 \end{array} \right.$  glass correct W+4

Diameter ...	8												
Height .....	1.0												
Altitude ...	257												
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.	Sum	6.9
January ...	5.40	1.51	3.45	6.33	1.63	4.46	1.39	1.43	4.79	4.77	35.16	1238	
February ...	4.84	1.96	2.10	1.23	3.13	5.98	6.73	1.39	2.43	3.76	33.55	1231	
March .....	.67	1.90	5.37	4.48	5.82	.95	3.36	2.97	1.50	5.59	32.61	1342	
April .....	2.65	1.99	.37	4.17	2.33	1.57	1.24	2.79	2.60	2.58	22.29	921	
May .....	2.49	1.22	1.61	3.00	1.60	1.91	2.10	2.06	1.64	.78	18.41	658	
June .....	2.49	2.85	6.91	2.52	2.20	1.08	1.85	4.29	1.04	1.26	26.49	844	
July .....	2.90	.25	4.04	.77	4.60	3.85	1.35	2.65	4.42	1.12	25.95	954	
August .....	4.59	2.60	10.08	1.08	4.06	2.35	4.12	6.44	4.78	2.42	42.52	1776	
September ..	.20	3.04	.78	2.85	2.79	1.76	2.28	2.79	8.86	2.58	27.43	1651	
October ...	6.16	3.52	5.24	3.48	2.78	3.59	5.35	7.37	2.23	2.17	41.89	1712	
November ..	6.81	5.20	2.99	5.56	4.32	3.16	3.86	3.14	3.39	3.96	42.39	1733	
December ...	4.84	7.38	5.12	3.59	6.05	7.73	3.00	1.43	6.77	6.82	52.43	1802	
TOTALS ...	44.04	33.42	48.06	38.56	41.31	38.39	36.63	38.75	44.45	37.81	401.42	1576	
	2	2	2	2	2	2	2	2	2	2			

912 Clocktower 40 ft high 66 ft N



+ Inspected 28. VII. 14. Old zinc gauge by N+2. Run turned in slightly. No snow funnel. No pipe. Top rests in gallery like flasher. Small hole in side will be repaired. A beautiful open station by side of river.

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
910	51° 51' 51° 5' 57° 5'	4° 41' W 4° 4' 4° 12'	Town Station L. & S. R.	480 700 yds 820 ft	NW	St. Peter's	400 yds	N

RAINFALL at *Baselale (N. Devon. Atherston)*County of *N. Devon.*Observer *A. M. Chanty Esq.**(Edith Yang)*River Basin *2**The Librarian.*(1926) N.O. *fine* Rain Gauge, by *N.O.S.*  
*glass cracked.*

Diameter ...	8	✓											
Height .....	1.0	✓											
Altitude ...	25												
Year .....	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 MEANS.		
January ...	4.84	5.16	3.71	3.49	4.75	3.17	5.55	5.94	6.46	1.91	5.77	5075	
February ...	1.36	3.2	4.00	8.38	71	6.18	2.32	3.38	3.36	1.54	1.30	3285	
March .....	3.62	2.67	4.00	1.63	2.01	1.08	.52	3.83	3.67	.49	2.97	2649	
April .....	4.58	1.43	3.93	2.73	3.41	2.95	1.77	1.92	1.63	.81	2.89	2805	
May .....	2.27	1.50	1.78	2.49	3.87	4.39	1.22	.99	.85	3.18	2.36	2490	
June .....	2.42	.31	1.56	.95	2.28	.00	2.19	2.21	3.07	2.61	.59	1819	
July .....	4.32	1.76	2.35	3.26	4.45	3.41	2.63	3.92	2.29	2.04	2.53	3291	
August .....	1.81	2.42	3.60	3.37	5.26	4.53	2.59	5.03	2.94	3.25	4.07	3887	
September...	4.04	2.07	4.17	3.62	5.91	4.11	2.53	7.21	1.40	.53	4.95	4044	
October .....	5.12	1.55	1.57	7.38	5.03	4.59	2.97	2.22	7.42	6.49	5.82	5016	
November...	2.33	3.01	2.22	4.37	3.34	3.70	7.21	3.75	4.09	8.77	3.92	4641	
December...	3.18	3.25	6.38	5.00	5.61	4.12	.96	2.73	5.72	6.62	6.04	4961	
TOTALS...	29.89	25.45	39.27	46.67	46.63	42.23	32.46	43.13	42.90	38.24	43.11	4398	
	D	D	D	D	D	D	D	D	D	D	D	D	

Inspected *28.11.22* S. 10 ft. from Stevenson Screen. Low wall about 10 yds away  
 Excellent position and apparently free from interference from passers-by.

*443* House about 35' high 50' to East.

1926. Albert Memorial Clock Tower 25 yds. E.

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

Reference No.

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance from gauge	Direction
1920	51° 5'	4° 41' W.	Town Station. L.S.W.R.	1/4 mile	S.W.	St. Peter	1/4 m.	N.



## RAINFALL at Barnstaple (N. Dev. Athenæum) M.W.R.

County of North Devonshire Observer The LibrarianRiver Basin Taw - 2Type of Gauge SAnnual Average 36.6 in. based on 35 years obs. un-weighted. Period of average 1881-1915 Ref. 247

Diameter	8.						5"				
Height	1.0.						1.0			1.0	
Altitude	25.										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January	3.66	3.56	2.60	3.79	1.14	4.02	5.31	4.60	5.81	3.22	37.71
February	3.48	.12	3.50	.36	3.63	2.47	6.44	1.20	1.50	3.59	26.39
March	2.09	2.27	2.98	2.67	1.27	2.39	3.31	.47	1.43	2.18	21.06
April	3.27	2.00	1.55	2.44	4.35	2.28	2.64	.13	2.35	3.28	24.29
May	3.40	3.12	2.35	1.54	2.43	.67	1.92	2.07	1.06	1.16	19.72
June	3.17	.85	1.38	1.55	2.63	2.04	1.03	1.66	1.07	.56	15.94
July	5.39	3.30	1.85	.39	1.03	6.55	3.07	2.86	5.28	4.40	34.12
August	3.89	1.21	1.37	3.82	3.59	.60	1.33	7.38	2.64	.21	26.26
September	1.94	4.80	1.32	3.33	4.51	3.86	4.44	1.23	.61	1.97	28.11
October	1.03	9.25	4.88	3.77	6.44	2.40	2.95	5.04	2.35	2.66	40.77
November	6.00	2.87	1.33	2.80	5.55	3.88	2.09	6.32	7.57	6.95	45.36
December	2.32	2.50	1.93	8.37	4.22	3.96	3.92	4.02	2.59	3.30	37.12
TOTALS	34.74	35.85	27.04	34.83	40.89	35.12	38.45	36.98	34.48	33.48	356.86

Inspected vii-1937 Rain gauge had red back 6 ft. at side. Either repair or new gauge recommended.  
 No gauge necessary purchased vii-37

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

RAINFALL at Barnstable Station No. 1810 **41**  
 County of North Devon Observer The Librarian M.W.R.  
 River Basin 2 - Taw  
 Type of Gauge

Annual Average 26.4 in. based on 35 years obs. un-weighted. Period of average 1881/1915 Ref. S

File No. 

Diameter	5"				3 9/4	6 5/8						
Height	1' 0"											
Altitude	25'											
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	T-Means	
January	8.08	4.74	6.35	2.48	3.55	3.31	3.24	5.90	1.18	1.22	35.05	
February	3.64	2.24	2.37	1.54	3.35	2.95	4.9	1.17	1.26	4.84	20.85	
March	3.05	2.43	1.24	1.30	1.28	.71	5.78	1.08	1.85	.89	18.61	
April	.79	1.29	1.18	2.54	.77	2.18	2.87	2.00	2.10	2.24	17.96	
May	1.94	4.27	3.02	.77	3.84	3.66	1.93	2.15	2.36	1.03	24.77	
June	1.00	2.0	2.07	2.60	3.03	3.92	2.45	1.88	.49	1.54	19.18	
July	1.68	3.15	2.95	1.55	3.81	2.99	2.49	2.00	1.75	3.29	25.66	
August	3.98	3.73	2.50	4.06	1.63	5.27	.32	4.05	1.93	5.93	33.40	
September	.21	3.49	4.48	3.55	1.99	4.40	1.45	2.21	1.90	6.13	29.81	
October	2.12	2.86	3.91	4.91	3.93	1.48	1.58	4.28	7.57	1.51	34.15	
November	1.63	.91	3.07	6.85	.68	5.07	3.27	2.23	3.60	6.69	34.00	
December	3.30	4.60	2.05	3.54	5.56	4.28	3.26	4.38	3.03	3.69	37.69	
TOTALS	26.42	31.91	35.19	33.69	33.42	40.22	28.93	33.33	29.02	39.00	331.13	
	D	D	D	D	D	D	D	D	D	D	D	

7.7.49. Funnel stolen. Funnel loaned 14.9.49 to be maintained until new enclosure is made.  
 Inspected 17.1.50. Mr. Illing. Instruments in garden between Worsing and river. After removal of garden railings in 1901 open to interference. From 1901 instruments in tiny walled enclosure 8.9.51 in diameter. Gauge 16" from railings and close to screen and still open to interference. Rainfall since 1901 likely to be deficient. Gauge, except funnel, in poor condition, glass jar but no inner container. Old 5 inch gauge on roof in last stages of decay has been used to give readings when 5 inch gauge is out of action. New gauge in enclosure needed.  
 15.0. Unable to carry out recommendations unless B. Council help, but gauge needed at 1 yr.  
 1949 Not painted low.

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.

Station No. H. 1840RAINFALL at Barnstaple (N. Devon Athenaeum) (1840) **51**  
(1845)County of N. DevonObserver The LibrarianRiver Basin Taw - 2

Type of Gauge.....

Annual Average 36.6 in. based on 35 years obs. unweighted. Period of average 1881-1915 Ref. \$81 N  
not appropriate (1956) ✓File No. E21855/55

Diameter ...	8"				394	659					
Height ...	1' 0"										
Altitude ...	25'										
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...	4.21	4.00	.93	2.09	3.88	3.60	2.65	2.59	4.26	3.13	31.34
February ...	3.71	1.23	1.78	3.86	2.84	.43	4.79	3.41	.32	2.44	24.81
March ...	3.89	2.63	1.07	2.26	1.03	.48	3.11	.83	3.06	1.35	19.71
April ...	3.09	3.94	2.01	.63	2.00	1.37	.21	.65	2.25	2.78	18.93
May ...	2.16	2.80	2.70	1.98	3.41	.60	1.89	2.94	.92	1.20	20.60
June ...	.98	1.63	1.42	2.71	2.97	1.60	1.33	3.45	1.30	.80	18.19
July ...	1.61	1.00	5.59	4.22	.82	5.37	2.76	2.42	2.58	5.58	31.95
August ...	4.31	5.78	2.92	2.81	.24	3.24	3.05	4.61	1.22	5.28	33.46
September ...	2.74	3.56	3.97	3.93	1.88	5.02	4.57	4.70	.40	3.14	33.91
October ...	2.38	4.44	2.18	3.84	2.04	2.43	4.23	3.60	5.02	7.45	37.61
November ...	3.96	4.05	3.06	6.61	2.69	1.64	2.09	4.08	8.81	6.43	43.42
December ...	3.39	3.95	1.28	3.51	5.27	3.74	2.03	3.83	6.60	5.40	39.00
TOTALS ...	36.43	39.01	28.91	38.45	29.07	29.52	32.71	37.11	36.74	44.98	352.93
	D	D	D	D	D	D	D	D	D	D	D

1954. Inspected April. Screen and rain-gauge are only two feet apart! Recommended to enlarge enclosure

1954 Not to be published in B.R. M.W.R. until a new enclosure is set up - the present enclosure too near.

1957. n.p.

1959 Inspected 2.6.59, condition as at 1954.

1960 - Connected from M.W.R. to monthly rain-fall station.

1958 n.p. (1959 n.p.)

Ref. S. - **Rejected**

1958 n.p. (1959 n.p.) An. av. 33.74 in. based on 20 yrs 1938-57. 4 in. (low) Period of average 1916-50

Position of Station on Ordnance One-Inch map : No. of Map..... National Grid Reference SS61558330

Date.	Lat. N.	Long.	Railway Station.	Distance Direction from gauge	Parish Church.	Distance Direction from gauge.

Summary of Earlier Records from 10-year Sheets :

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
	✓	✓	✓	✓ n.p. 49	✓
	✓	✓ but - 20	✓		