

RAINFALL at Newbattle Public School.County of Hidlothian Observer N. Fowler Esq.River Basin Esk - 14Snowdon Rain Gauge, by 1783 Rooftop

Diameter ...							5					
Height							4 3					
Altitude ...							300					
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	SUMS Maxs. 1916-19	
January ...					1.41	1.23	2.41	2.81	2.01	2.71	9.94	
February ...					1.45	2.41	4.47	.60	2.41	1.51	8.99	
March					2.43	1.27	3.88	1.48	.63	2.17	8.16	
April75	.96	3.05	2.72	.64	3.50	9.91	
May					2.15	.93	3.99	1.43	2.48	.71	8.61	
June					1.87	1.30	2.59	1.78	.44	1.59	6.40	
July					2.23	3.71	4.68	2.18	2.93	.68	10.47	
August					2.53	2.81	4.93	5.30	1.29	1.49	13.01	
September...					.41	2.45	1.80	1.02	3.88	2.20	8.90	
October ...					1.22	1.78	4.19	2.40	2.62	2.49	11.70	
November ..					2.71	1.19	3.35	1.42	1.70	5.92	12.39	
December...					4.81	3.51	2.52	2.14	1.21	3.36	9.23	
TOTALS ...					23.97	23.58	41.80	25.28	22.24	28.33	117.71	

1914-1915 Rec'd 17 May Est'd 17 Dec 1917.
Wall 5 ft high 12 ft NE

imp'd

Date.	Lat. N.	Long. W.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
	55.52	3.5	Newlongrange	3/4 m	W SW	Newbattle	1 m	NNW

RAINFALL at Neabattle (Public School)County of MidlothianObserver W. Fowler Esq.
Headmaster.River Basin Gr - 4Shadder
No. 133 Rain Gauge, by
Sgt.

Diameter ...	5											
Height	4.3											
Altitude ...	300											
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930. MEANS.	SUMS
January ...	2.47	4.07	1.73	1.75	1.85	2.33	2.55	1.65	4.23	.71	2.61	24.95
February ...	2.78	.97	1.67	2.88	.68	3.42	1.66	.82	1.77	.72	.66	18.03
March	2.03	1.74	1.49	.90	.76	2.70	1.38	1.90	2.17	.12	2.88	17.57
April	1.98	.70	1.67	2.18	1.02	3.00	1.85	1.16	.79	1.33	1.02	16.70
May	2.44	1.11	.62	2.34	4.09	2.98	2.66	1.41	1.42	1.28	1.09	21.44
June73	.48	1.51	.85	1.84	.44	3.37	3.11	5.12	3.18	1.52	22.15
July	2.38	2.01	3.00	2.03	3.02	1.20	3.01	2.90	2.07	2.65	3.39	28.61
August	5.64	3.77	1.27	3.55	2.54	3.36	2.06	5.88	4.48	4.01	4.25	40.81
September...	1.22	1.48	1.53	1.32	2.75	4.67	3.44	7.99	1.85	.24	3.60	30.09
October	1.04	3.90	1.76	1.86	2.45	1.39	3.59	2.60	3.31	2.61	2.18	26.69
November...	1.89	1.14	1.16	3.58	.93	.67	2.82	1.77	2.79	3.12	4.12	23.99
December...	2.60	2.39	2.21	1.93	2.09	2.96	.76	2.45	1.77	4.48	1.45	25.09
TOTALS...	28.20	23.76	19.62	24.17	24.02	29.12	29.15	33.64	31.77	24.65	28.27	296.17
	1.62	.2	.0	.0	.1	.0	.0	.0	.0	.0	.0	

1920 Garden Wall 5 ft. 12 1/2 ft. off N.E.

1924. Record may be low, & number of days seems small.

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.	55° 52'	3° 5' W.	Neabattle	1/4 m.	W. & N.	Neabattle	1 m.	N. & W.

RAINFALL at *Newbottle (Public School)*County of *Midlothian*Observer *W. Fowler*River Basin *H. Esk**C. D. H. Blackley*Type of Gauge *Snowdon*Annual Average *25.7* in. based on *17* years obs. un-weighted. Period of average *1881-1915* Ref *Survey**computed x136*

Diameter	5"										
Height	4' 8"	1' 0"									
Altitude	300'										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	1915 Months
January	1.76	2.66	2.19	1.96	1.11	3.25	3.08	3.36	3.94	1.66	25.57
February	1.40	.37	1.78	.09	1.86	2.93	3.60	.91	1.15	1.12	15.21
March	1.05	2.24	.56	3.83	.94	2.17	2.79	.41	2.83	2.57	19.39
April	1.74	1.80	1.67	4.08	2.74	1.49	1.11	.08	1.23	1.63	17.57
May	2.66	2.67	1.86	1.82	.82	.87	2.71	3.61	.72	1.86	19.60
June	4.42	1.01	2.66	2.43	2.36	1.46	.95	3.90	1.52	.42	21.13
July	3.41	2.09	3.76	2.24	.69	4.39	4.64	(2.50)	1.61	7.39	32.72
August	5.69	.81	.75	3.33	2.49	1.13	3.72	(1.50)	1.76	.68	21.56
September	1.19	2.50	2.40	1.64	3.39	3.01	1.97	2.02	1.21	2.73	22.06
October	1.19	5.61	2.41	3.74	6.90	2.07	3.72	4.70	2.65	2.45	35.44
November	3.42	1.38	1.60	2.84	3.73	2.76	.67	3.61	3.24	4.19	27.44
December	.89	4.35	1.03	2.73	1.76	1.89	3.96	2.85	.71	2.72	22.39
TOTALS	28.82	27.19	22.67	30.73	28.29	28.02	32.92	(29.45)	22.57	29.42	280.08
	D.	D.	D.	D.	D.	D.	D.	D.	D.	D.	

931 Garden wall 5' high 12½' N.E.

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
1931			Newbottle	3 1/2 m	W.S.W.	Newbottle	1 m	N.N.W.

Station No.

5124

RAINFALL at Newcastle (Public School)

41

County of MidlothianObserver C. D. Walick Esq. MARiver Basin H - EskType of Gauge ShowerAnnual Average 25.7 in. based on 19 years obs. un-weighted. Period of average 1881 - 1915 Ref. Survey

File No.

Diameter	5"				901	392					
Height	1'0"					1					
Altitude	300'					41					
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Sums Means
January	2.18	3.15	2.04	1.72	3.17	1.67	2.96	5.48	2.33	1.65	26.33
February	3.23	1.34	1.42	1.40	2.11	1.14	1.35	2.24	1.25	2.90	18.38
March	2.78	1.21	1.34	.42	.48	1.93	3.51	1.06	.97	2.17	15.87
April	1.38	1.15	.79	2.05	1.28	.42	3.28	2.00	1.08	2.43	15.86
May	2.60	1.06	3.58	2.01	3.56	1.75	3.10	2.04	1.76	1.69	23.15
June	0.79	1.25	1.63	2.00	1.62	1.39	2.91	3.96	1.15	1.07	17.77
July	2.44	3.21	2.99	2.51	1.57	3.33	2.23	1.86	2.43	2.79	25.36
August	3.12	2.63	3.20	2.60	3.74	4.53	.00	9.92	2.20	2.60	34.54
September	.74	2.22	1.05	4.81	2.81	2.53	1.00	2.44	1.39	5.65	24.64
October	2.94	2.90	2.92	2.27	3.16	.71	.74	1.28	4.64	1.85	23.41
November	2.38	.61	.89	5.33	.31	3.64	2.95	1.93	3.47	4.22	25.73
December	.96	1.31	.81	2.13	1.83	2.01	2.38	2.13	4.12	1.74	19.42
TOTALS	25.54 D	22.04 D	22.66 D	23.25 D	25.64 D	25.05 D	26.39 D	36.34 D	26.79 D	30.76 D	270.46

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. 5124

RAINFALL at Neuchâtel (Pulver Schone)

51

County of MidlothianObserver C. D. Davidson Esq. M.A.River Basin 4 - EastJ. Davidson Esq.Type of Gauge ShawdonAnnual Average 25.7 in. based on 19 years obs. un-weighted. Period of average 1881-1915 Ref. Survey
" " 27.50 " " 41 " " within 1916-58. " " 1916-50 " u.s.
File No.

Diameter ...	5"				901	392					
Height ...	1' 0"					1				9'-4"	
Altitude ...	300'					51					
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...	2.63	2.48	0.38	2.84	2.01	1.46	2.62	1.60	2.99	2.79	
February ...	2.64	.42	.87	1.66	1.70	1.84	1.95	1.47	.31	2.27	
March ...	2.94	1.13	.40	1.58	1.97	1.13	1.13	1.82	.51	1.58	
April ...	2.62	1.40	2.51	.90	.31	.58	.72	1.41	1.53	.76	
May ...	3.12	1.55	2.10	6.32	1.77	.47	1.18	1.81	.43	.99	
June ...	1.44	2.38	1.64	2.06	.36	2.01	1.05	2.68	2.93	.88	
July ...	3.01	1.80	3.99	1.91	2.09	4.51	3.45	5.58	1.79	2.48	
August ...	4.59	3.78	1.60	5.17	.99	7.47	3.65	2.51	2.5	3.61	
September ...	0.89	2.27	2.57	3.19	1.24	3.38	1.38	1.87	.46	1.33	
October41	1.63	1.26	5.08	1.37	1.33	1.94	1.08	1.74	2.84	
November ...	4.84	2.76	3.10	2.97	.72	.71	1.78	.87	5.23	2.22	
December ...	1.91	2.90	2.88	3.24	4.16	2.55	2.79	3.75	3.40	2.37	
TOTALS ...	31.04	24.50	23.30	36.92	18.69	27.44	23.64	26.95	19.67	24.12	
	D	D	D	D	D	D	D	D	D	D	

Ins 2.9.60 J. Shaw. S. fair (5.05 x 4.45) - not level. O/S NW by
house elev 300' WSW post 6 1/2' high 5' distant; 6
two masts. Best available site

Position of Station on Ordnance One-Inch map :

No. of Map.....

National Grid Reference NT35737449

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-Rejected

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
	C 1914	✓	✓	✓	
	imp D 16, 18, 19	d 20, 21, 24	d 38, 40 - 39	u.s. 40, 49	

Station No. 5124

RAINFALL at Newbottle (Public School)

51

County of MidlothianObserver C. D. Watinek, Esq. M.A.

retired August 1955.

River Basin 4. EskJ. Davidson Esq.,
Newbottle School,Type of Gauge SnowdonNewbottle range.Midlothian.Annual Average 25.7 in. based on years obs. un-weighted. Period of average Ref. File No. R247

Diameter	5"											
Height	1'											
Altitude	300'											
Year	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means	
January	2.63	2.48	.38	2.84	2.01	1.46	2.62	1.60	99	2.49	1980	
February	2.64	.42	.87	1.66	1.70	1.84	1.95	1.94	31	2.24	1563	
March	2.94	1.13	.40	1.58	1.97	1.13	1.13	1.82	51	1.58	1419	
April	2.62	1.40	2.51	.90	.31	.58	.72	1.44	1.53	.46	1274	
May	3.12	1.55	2.10	6.32	1.77	.47	1.18	1.81	.43	.99	1974	
June	1.44	2.38	1.64	2.06	.36	2.01	1.05	2.68	2.93	.88	1743	
July	3.01	1.80	3.99	1.91	2.09	4.51	3.45	5.58	1.49	2.48	3061	
August	4.59	3.78	1.60	5.17	.99	7.47	3.65	2.51	.25	3.61	3362	
September	.89	2.27	2.57	3.19	1.24	3.38	1.38	1.84	.46	1.33	1858	
October	.41	1.63	1.26	5.08	1.37	1.33	1.94	1.08	1.44	2.84	1868	
November	4.84	2.76	3.10	2.97	.72	.71	1.78	.84	5.23	2.22	2520	
December	1.91	2.90	8.88	3.24	4.16	2.55	2.79	3.75	3.40	2.34	2995	
TOTALS	31.04	24.50	23.30	36.92	18.69	27.44	23.64	26.95	19.54	24.12	256.17	
	D	D	D	D	D	D	D	D	D	D		

Installed 2/9/60. Fairly good site in sheltered garden, slightly over-shaded by trees to NW, also some shelter from E. NW and also overhanging and several animals to E. Rain only 9" or above ground and apparently off-butt. Recommended rain gauge so that rain at standard height and level. Also remove some bushes and animals, further details on F. 1112.

14/9/60 gauge raised so that rain at standard height.

10/10/60 gauge raised so that rain at standard height.

Position of Station on Ordnance One-Inch map:

No. of Map.....

National Grid Reference 34/337649

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge.	Direction from gauge.
1936			Newbottle	1/4 m	WSW	Newbottle	1 m	NNW

Summary of Earlier Records from 10-year Sheets:

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
	21914	✓	✓	✓	✓
		✓ but d 20.2.24	✓ but d 3.6.44	✓	