

## RAINFALL at Newbattle Public Schools.

County of Middlethian Observer W. Fowler Esq.River Basin Esk - 14Gauge Rain Gauge, by 1733 Rutherford

Diameter ...							5				
Height .....							4 3				
Altitude ...							300				
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	SUMS MEANS 1910-19
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	1.87	3.88	1.48	.63	2.17	8.16
April .....					.75	.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	1.80	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	2.48	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 ...					239	23.58	41.80	25.28	22.24	28.33	117.71

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

impd

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

## RAINFALL at Naabatte (Public School)

County of Middlesex.

Observer W. Fowler Esq.;  
Medmster

River Basin 6K-4

*Ames*

No. 1733 Kew Rain Gauge, by  
S. P. S.

1920 Garden Wall 5 ft. 12½ ft. off N.E.

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

Position of Station on reduced Ordnance Survey Map, 2 miles 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
1920.	55° 52'	3° 5' W.	Vastre Mange	7 fm.	W. & W.	Neobattle	1 m.	N.E.W.

## RAINFALL at Newbattle (Public School)

County of Midlothian

Observer W. F. Foster

River Basin N-East.

C. D. Melnick Esq.

Type of Gauge Snowdrift.

Annual Average 25.1 in. based on 14 years obs. un-weighted. Period of average 1881-1915 Ref. Survey  
Completed x 1/36

Diameter	5"										SUMS Means
Height	4' 8"	1'	0"								
Altitude											
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	
January	1.76	2.66	2.19	1.96	1.11	3.85	2.08	3.36	3.94	1.66	25.57
February	1.40	1.37	1.78	0.9	1.86	2.93	2.60	0.91	1.15	1.12	15.21
March	1.05	2.24	.56	3.83	1.94	2.17	2.79	1.41	2.83	2.59	19.39
April	1.74	1.80	1.67	4.08	2.74	1.49	1.11	0.08	1.23	1.63	17.57
May	2.66	2.67	1.86	1.82	1.82	1.87	2.71	3.61	1.72	1.86	19.60
June	4.42	1.01	2.66	2.43	2.30	1.46	1.95	3.90	1.52	1.42	21.13
July	3.41	2.09	3.76	2.24	1.69	4.39	4.64	(2.50)	1.61	1.39	32.72
August	5.69	.51	1.75	3.83	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	1.94	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	1.67	3.61	3.24	4.19	27.44
December	.89	4.35	1.03	2.73	1.26	1.89	3.96	2.85	1.71	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.	D.	

931 Garden wall 5' high 12½' N.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
1931			Newtongrange	3/4 m	W.S.W.	Newbattle	1 m	N.N.W.

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

Station No. 5124

RAINFALL at Newbattle (Public School)

41

County of Midlothian

Observer

C. D. Walinch Esq. MA

River Basin 4 - ESKType of Gauge ShowdowmAnnual Average 25.7 in. based on 19 years obs. un-weighted. Period of average 1881 - 1915 Ref. Survey

X File No.

Diameter	<u>5'</u>			<u>901</u>	<u>392</u>						
Height	<u>1' 0"</u>					<u>1</u>					
Altitude	<u>300'</u>					<u>41</u>					
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	<u>1945</u> 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	1.43	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	.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	25.64	22.04	22.66	29.25	25.64	25.05	26.39	36.34	26.79	30.76	270.46
	D	D	D	D	D	D	D	D	D	D	

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

BRITISH RAINFALL ORGANIZATION

Station No. 5124

RAINFALL at ~~Wooler School~~ (Wooler School)

51

County of Northumberland

Observer C. D. Davidson Esq. M.A.

River Basin 4 - Esk

C. D. Davidson, Esq.

Type of Gauge Standard

Annual Average 25.7 in. based on 19 years obs. unweighted. Period of average 1881-1915  
 " 27.50 " " 41 " within 1916-58. " " " 1916-50  
 File No. " S.

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	0.99	2.79	
February	2.64	.42	.87	1.66	1.70	1.84	1.95	1.97	.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	1.44	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	.25	3.61	
September	0.89	2.27	2.57	3.19	1.24	3.38	1.38	1.87	.46	1.33	
October	.41	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	19.87	24.12	
	D	D	D	D	D	0	D	D	0	D	

Inns 2.9.60 J. Shaw - G. fair ( $5.05 \times 4.45$ ) - not level. O/S NW by house elev 30° WSW post 6' high 5' distant; 15' two remaining. Best available site

Position of Station on Ordnance One-Inch map : No. of Map ..... National Grid Reference NT (36) 237149

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	/	/	/	/	

Station No. 5124

## RAINFALL at Newbattle (Public School)

51

County of Midlothian

River Basin E. Esk

Type of Gauge Standard

Annual Average 25.7 in. based on years obs. un-weighted. Period of average Ref.

Observer C. D. Watkinson, Esq., M.A.

J. Davidson Esq.,  
Newbattle School,  
Newtongrange,  
Midlothian.

Retired August 1953.

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	19.80
February	2.64	.42	.87	1.66	1.70	1.84	1.95	1.94	.31	2.24	15.63
March	2.94	1.13	.40	1.58	1.97	1.13	1.13	1.82	.51	1.58	14.19
April	2.62	1.40	2.51	.90	.31	.58	.72	1.41	1.53	.46	12.74
May	3.12	1.55	2.10	6.32	1.77	.47	1.18	1.81	.43	.99	19.74
June	1.44	2.38	1.64	2.06	.36	2.01	1.05	2.68	2.93	.88	17.43
July	3.01	1.80	3.99	1.91	2.09	4.51	3.45	5.58	1.99	2.48	30.61
August	4.59	3.78	1.60	5.17	.99	7.47	3.65	2.51	.26	3.61	33.62
September	.89	2.27	2.57	3.19	1.24	3.38	1.38	1.84	.46	1.33	18.58
October	.41	1.63	1.26	5.08	1.37	1.33	1.94	1.08	1.47	2.84	18.08
November	4.84	2.76	3.10	2.97	.72	.71	1.78	.84	5.23	2.22	25.20
December	1.91	2.90	2.88	3.24	4.16	2.55	2.79	3.75	3.40	2.34	29.95
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	

Ingested 2/9/60. Fairly good site in sheltered position, slightly over-sheltered by large trees to NW, shrubs and bushes for S to NW and also rock-holes and animal mounds to E. Rain only by g. n" above ground and apparently off bank. Recommended rain gauge so that rain at standard height and level. Also remove rock-bunches and animal mounds. Further details on F 11/2.

14.9/60 gauge raised so that rain at standard height.

~~Aug 1960~~ Mor. 61 Bushes removed from near gauge

Position of Station on Ordnance One-Inch map : No. of Map ..... National Grid Reference 31a/337649

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance from gauge	Direction
1936			Newbattle	7 fm	WSW	Newbattle	1 fm	NNW

Summary of Earlier Records from 10-year Sheets :

	1910-19	1920-30	1931-40	1941-50	1951-60
Record D, or d	C 1914 -	v v but d 20.2 in	v v but d 33.44 in	v v	