

RAINFALL AT Newcastle ~~on Tyne~~

Deaf &amp; Dumb Institution Town Moor

Observer William Neill

Rain { By.....

Gauge { Diameter.....

Height above Ground,.....ft.....in.

Above Mean Sea Level.....ft.

YEAR.....	1868	1869	MEANS.
January.....	2.87	2.22	
February .....	1.54	1.15	
March .....	1.29	1.45	
April .....	3.63	2.10	
May .....	.58	2.98	
June.....	.24	1.57	
July .....	.33	.49	
August.....	2.07	1.37	
September.....	3.63	3.13	
October.....	1.98	2.74	
November.....	2.45	2.85	
December.....	3.90	2.73	
TOTALS .....	24.51	24.78	C C

Gauge certified by F. J. S.

## RAINFALL AT Newcastle Town Moor (Dept. of Dumb. Institution)

Lat..... Long..... County of Northumberland  
 Rain Gauge, by..... Observer Mr. Wm. Miles.....

Diameter	5										
Height	6										
Altitude	201	200 <sup>m</sup>									
YEAR	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.
January	1.55	1.35	2.88	.98	1.45	2.91	.87	3.53	3.38	1.73	2.063
February	2.33	1.70	2.05	1.79	1.16	1.52	2.23	2.06	1.23	2.95	1.902
March	1.42	.83	3.42	1.96	.97	.69	2.92	3.17	1.14	1.26	1.778
April	1.13	3.31	2.46	.96	.74	1.06	2.82	4.58	1.92	2.26	2.124
May	1.17	1.53	1.65	2.49	2.85	1.04	1.34	3.03	2.62	2.05	1.977
June	2.26	2.82	2.98	1.71	.63	2.20	1.25	1.47	2.02	4.87	2.221
July	- 45	2.77	2.91	1.72	2.67	5.97	1.91	3.53	2.74	99	2.719
August	2.32	.97	3.97	9.01	1.93	3.19	1.86	8.86	6.58	3.05	3.874
September	.99	4.57	4.29	2.16	1.96	2.48	4.21	1.19	1.68	.75	2.428
October	3.92	2.55	5.43	1.89	1.28	4.44	1.68	2.60	1.25	.63	2.367
November	2.08	1.91	4.58	1.29	3.64	5.48	3.20	1.61	6.99	3.01	3.459
December	4.68	1.85	4.87	.99	5.54	1.95	7.18	2.08	4.46	.74	3.374
TOTALS	25.10	26.64	1.49	20.35	24.82	32.93	31.47	37.71	33.54	28.29	30.186

C C C

1871 In open part of Garden

1878 A Hedge<sup>S</sup> & wall<sup>N</sup> 6ft high Both 50ft from gauge

Geomond church ½ mile S.E.

## RAINFALL AT Newcastle Town Moor

80

Lat.

Long.

County of Northumberland

Rain Gauge, by

Observer W. H.Neill

Tyne lower 3

Diameter .....	5										
Height .....	0.6									2.0	
Altitude .....	201 ft										
Year .....	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January .....	.59	1.88	.73	1.84	3.22	1.84	3.88	1.48	1.70	.91	1.807
February .....	1.53	3.36	.99	1.56	1.25	.91	1.62	.49	1.18	1.06	1.395
March .....	1.49	2.82	1.41	2.29	2.13	1.80	3.46	1.96	5.98	3.00	2.634
April .....	1.96	1.18	2.95	1.34	2.14	1.78	1.43	1.07	1.77	2.72	1.834
May .....	1.51	1.79	1.88	2.42	1.07	3.01	2.59	1.35	.71	1.14	1.747
June .....	1.27	2.06	3.79	2.75	.90	1.61	1.35	.34	2.06	.23	1.686
July .....	5.24	3.01	3.22	4.33	4.57	1.64	3.99	1.12	5.44	2.64	3.517
August .....	1.30	5.57	3.00	3.25	1.00	3.14	1.44	1.68	1.80	4.97	2.715
September .....	3.80	4.27	1.94	4.11	1.56	2.44	1.64	5.40	1.42	1.21	2.779
October .....	4.65	3.88	3.15	1.76	1.54	4.20	4.41	1.98	.90	4.75	3.122
November .....	2.24	1.29	2.96	1.52	1.56	1.99	3.71	3.19	4.87	.97	2.400
December .....	3.60	2.29	4.06	2.26	1.43	.93	3.56	2.75	.70	1.47	2.305
TOTALS .....	29.18	33.40	30.08	29.43	22.34	25.29	33.08	22.81	28.23	25.07	27.891

1881 Jeamond Church  $\frac{1}{2}$  mile SE

Wall 6ft high 50ft N

Hedge 6ft " 50ft S

1889 Gauge moved Oct 29 24 yards E

## RAINFALL AT Newcastle Town Moor

Lat.

Long.

County of Northumberland

Rain Gauge, by

Observer

A Wright Esq

Tyne 3

Diameter .....	5										
Height .....	20										
Altitude .....	201	M									
Year .....	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January .....	1.82	1.10	1.47	1.79	1.47	5.28	1.36	2.09	.87	2.72	1.997
February .....	1.47	.10	2.81	2.66	2.88	1.12	.62	1.13	1.06	.89	1.474
March .....	1.98	3.51	1.73	.59	.75	2.22	2.45	2.96	1.40	1.35	1.894
April .....	.70	1.79	1.15	.46	1.18	1.31	.76	1.69	2.04	2.87	1.395
May .....	2.01	1.84	2.85	1.93	2.36	.68	.71	1.21	2.20	3.59	1.988
June .....	2.73	.64	2.83	1.03	3.27	3.04	2.08	2.82	2.31	1.67	2.292
July .....	1.89	4.75	1.52	3.38	1.69	4.37	2.70	1.39	.67	2.54	2.490
August .....	6.22	4.80	3.60	2.24	3.12	3.86	2.00	2.87	1.78	.87	3.136
September .....	2.16	2.62	2.75	1.80	.83	.44	2.27	2.75	.61	2.60	1.883
October .....	1.71	1.82	4.57	.81	4.78	4.00	5.68	1.22	4.86	1.78	2.123
November .....	3.69	2.22	1.57	2.60	.71	2.42	1.68	1.67	3.30	1.19	2.105
December .....	1.99	3.48	1.22	1.36	1.29	1.42	4.60	2.38	1.09	3.50	2.293
TOTALS .....	28.37	28.67	28.07	20.65	24.33	30.16	26.91	24.18	22.19	25.57	25.900

1890 Jesmond Church 4 furloins SE  
 Wall 6 ft high 50 ft N  
 Hedge 7 ft 50 ft S

1890-

## RAINFALL AT Newcastle, Town Moor, Daffy Dumb Institution

Lat.

Lon.

County of

Northumberland

Rain Gauge, by

Observer

a Wright Egg

Tyne, lower - 3.

Diameter ..	5										
Height ....	20										
Altitude ..	201 ft										
Year ....	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..	3.65	1.43	.89	2.63	1.76	.44	2.42	.48	1.46	.93	1.609
February ..	5.43	1.39	1.29	1.26	2.60	.91	1.05	1.25	1.75	1.72	1.865
March ....	1.84	1.51	.84	1.14	1.38	1.35	1.24	1.13	3.37	5.35	1.915
April.....	1.36	.91	1.40	1.44	1.59	2.88	1.57	2.53	2.95	2.68	1.931
May .....	1.30	2.24	2.43	2.39	2.84	.51	4.78	4.36	1.83	1.79	2.447
June .....	4.92	1.15	2.03	3.06	2.11	1.19	1.86	2.19	.87	2.18	2.106
July .....	1.38	3.52	3.18	4.73	1.49	1.66	1.46	1.74	2.85	2.78	2.479
August ....	6.56	2.25	2.58	2.24	2.59	2.57	3.42	2.32	1.75	3.41	2.969
September..	.90	1.02	.61	2.35	1.18	1.96	.58	.64	1.80	1.82	1.286
October....	6.85	2.11	2.51	9.24	.81	3.06	4.65	5.86	1.50	2.18	3.877
November ..	2.87	5.61	1.21	2.04	3.14	4.50	3.32	1.77	1.46	.85	2.677
December ..	1.82	3.22	3.01	1.94	1.94	.46	3.84	3.06	1.12	4.09	2.450
TOTALS ..	38.88	26.36	21.98	34.46	23.43	21.49	30.19	27.33	22.21	29.78	27.611

M m m m D D

1900 Jeannond Church <sup>4 miles</sup> S.E.

Wall 6 ft high 50 ft N

Hedge 7 " " 50 " S

1903 West Jeannond Station 3 furlongs NE 1903

## RAINFALL at Newcastle Town Moor,

Institution for Deaf and Dumb.

County of Northumberland

Observer A Wright Esq

River Basin Tyne, Lower 3

D.C. Baldie Esq

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

Diameter ...	5										
Height .....	2 0										
Altitude ...	201 ft										
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...	3.28	1.67	3.28	5.44	2.13	2.12	1.04	3.41	2.73	2.89	
February ...	2.66	.66	2.63	.40	1.20	2.60	2.74	.83	1.26	2.52	
March .....	.43	2.32	1.55	2.55	2.08	2.31	3.64	2.08	1.17	2.76	
April .....	2.20	1.59	.17	2.59	.74	.56	1.35	2.28	1.44	1.79	
May .....	2.64	.64	2.72	2.09	1.23	2.01	2.80	1.63	1.67	.92	
June.....	1.65	4.62	5.08	1.41	4.03	.48	2.03	1.35	.71	1.48	
July .....	2.22	1.05	3.43	.47	2.92	2.77	2.92	.86	4.00	1.60	
August.....	2.73	3.12	4.33	1.13	1.61	2.25	3.21	7.58	1.58	2.38	
September ..	.74	2.75	2.00	6.48	2.16	1.69	1.43	2.03	5.30	1.05	
October ...	3.69	2.49	3.45	1.81	2.40	1.33	2.14	2.36	2.41	5.63	
November ...	3.10	3.74	1.62	1.31	3.49	1.75	3.38	1.31	1.46	4.48	
December ...	2.04	3.16	1.28	1.33	3.90	6.50	4.12	2.57	3.60	3.01	
TOTALS ...	27.38	27.81	31.54	27.01	27.89	26.37	31.40	28.29	27.33	30.21	28.523

1910 March 1st Large ground 36 ft high S.E.  
Hedge 5.5 ft high 50 ft N.W.

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
1911	55	1.35 W	W. Geomond	3 furl.	NE	Geomond	4 fm 1/2 mi	SE

Deaf &amp; Dumb Institute

## RAINFALL at Newcastle Town Moor

County of Northumberland

Observer J.C. Baldie Esq.

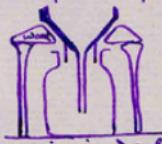
River Basin Tyne-Lower 3

W. Wearmouth Esq. 1929

Howard Rain Gauge, by  
glass measure - Carden - correct.  
There is a possibility of rain running down } 1X.26.  
outside of funnel in glass bottle }

Diameter ...	5"										
Height .....	2.0				1.4			1.8			
Altitude ...	201										
Year .....	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	MEANS.
January ...	3.08	4.6	0.2.94	1.25	2.06	1.83	2.45	1.55	2.25	2.61	3.21
February ...	.98	2.0	2.31	3.47	1.08	2.66	2.89	.60	1.26	.72	1.69
March .....	3.26	1.05	1.73	1.89	.96	1.73	1.12	1.60	2.54	.51	1.77
April .....	3.29	1.35	2.02	2.04	1.71	2.92	1.04	2.05	.93	1.42	1.65
May .....	3.60	1.57	1.12	2.76	7.07	2.25	3.29	1.52	1.71	.78	1.29
June .....	.73	.88	1.75	1.05	2.23	.04	3.52	3.83	4.01	1.50	.60
July .....	4.29	1.65	4.88	2.77	4.26	2.07	3.75	3.69	1.58	1.79	3.99
August .....	1.90	6.66	2.62	4.18	3.27	2.37	2.27	5.30	4.35	2.73	5.02
September...	1.72	1.17	4.34	1.78	2.72	3.62	2.40	(4.13)	.93	.79	2.86
October.....	1.62	2.17	1.90	2.21	3.99	1.60	2.73	1.55	2.85	1.73	1.89
November...	1.10	2.52	.83	4.31	1.34	2.63	3.58	2.77	2.50	2.28	.27
December...	4.11	1.56	3.55	2.34	2.30	4.60	.69	4.44	1.57	2.94	2.19
TOTALS...	29.73	28.20	29.99	30.05	33.00	28.32	29.73	33.03	26.08	19.80	28.47

Inspected 9.6.1X.26. Sketch illustrates possibility of water falling on outside of funnel & getting into glass receiver.  
Is. in strawberry bed in little garden, large open space with fence or hedge all round at convenient distance. Excellent exposure.



Is. is in Deaf & Dumb Institute + alongside but not on the Town Moor  
1927. - Jan & Sept. corr. by surrounding stations.  
1929 Hedge 7', high 53' N  
" 5 " 50' W

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	Parish Church.	Distance from gauge	Direction
1911	52°	1°36'	W. Jesmond	3 fur	N E	Jesmond	1/2 mi	S E

## RAINFALL at Newcastle (Dept. of Dumb Inst.)

County of Northumberland

Observer The Superintendent

River Basin Tyne Lower - 3.

The Secretary (1940)

Type of Gauge Snowdon

24.2

50

Barrel

Annual Average 24.2 in. based on 50 years obs. un-weighted. Period of average 1881-1915 Ref. 5 Rain 1947

file 665444/26

Diameter	5.											
Height	1.8.											
Altitude	201.											
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means	
January	2.51	1.62	1.31	1.52	2.71	3.26	2.76	1.70	3.92	1.94	2225	
February	1.15	1.74	3.20	1.43	2.47	3.37	3.32	1.85	1.72	1.94	1819	
March	1.03	1.87	1.08	3.08	1.50	1.47	2.70	1.22	2.80	(1.90)	1635	
April	2.62	1.06	1.21	4.67	3.28	1.31	2.24	1.10	1.67	(1.90)	1806	
May	2.45	3.60	1.40	1.08	1.05	1.80	2.38	3.81	1.20	1.67	1934	
June	2.84	1.72	2.16	2.00	2.52	2.95	2.42	2.76	1.86	1.21	2144	
July	3.43	3.16	1.61	2.25	1.43	2.18	2.31	2.20	3.30	1.62	2849	
August	3.40	2.17	1.70	2.85	2.24	2.35	1.95	1.91	2.50	1.07	2214	
September	2.03	2.29	1.69	1.13	3.98	2.43	1.54	2.13	1.18	1.67	2007	
October	1.09	3.50	3.17	3.39	4.07	1.41	1.81	3.45	4.39	3.09	2967	
November	2.16	1.74	3.32	2.97	3.69	3.00	1.54	2.29	3.06	3.01	2578	
December	.99	1.69	1.37	3.44	1.82	1.37	5.83	3.34	1.51	2.89	2325	
TOTALS	25.70	20.76	23.52	28.81	28.76	26.90	30.80	24.76	27.11	(27.91)	26503 KM.	
	2	2	2	2	2	2	2	2	2	2	2	

1933 Apple trees 9' high 6yds. W.

1937 Apple trees 8' high 15-20 yds various directions surrounding gauge.

1938 Apple trees 10' high, 10 yds N., 6yds E + 14 yds S.

1940 Mar. Apr. estd.

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	Parish Church.	Distance from gauge	Direction
1935.			West Jesmond	1/2 m	E.	Jesmond	3/4 m	S.
1927			West Jesmond	500 yds	N.N.E.	St Hilda's	400 yds	N.E.
1938			"	5 m	N	"	5 m	N

Station No. 3562

41

## RAINFALL at Newcastle (Deaf &amp; Dumb Inst.)

County of Northumberland Observer The Secretary (1940)

River Basin Tyne Lower 3

Type of Gauge Standard

Annual Average 24.7 in. based on 8 years obs. non-weighted. Period of average 1881-1915 Ref. S

File No. 665444/26

Diameter	5"										
Height	1' 0"	1' 8"									
Altitude	201										
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	3.80	3.12									
February	6.30	1.66									
March	2.50	.79									
April	1.13	.77									
May	1.73	.72									
June	1.57	1.12									
July	1.93	2.72									
August	2.86	1.61									
September	.37	2.69									
October	3.89	2.43									
November	3.08	.74									
December	2.4	1.78									
TOTALS	29.40	20.15	D	D							

1943 Term. for duration see file.

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