

RAINFALL AT *Newcastle on Tyne**Deaf & Dumb Institution Town Moor*Observer *William Neill*

Rain { By .....

Gauge { Diameter *5* in.Height above Ground, *6* 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	1.67	
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	

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*Gauge certified by G. J. S.*

# RAINFALL AT Newcastle Town Moor (Deaf & Dumb Institution)

Lat.....

Lon.....

County of *Northumberland*

Rain Gauge, by.....

Observer

*W. W. M. M. M.*

Diameter.....	<i>.5</i>										
Height.....	<i>.6</i>										
Altitude.....	<i>201</i>		<i>200</i>	<i>M</i>							
YEAR.....	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.
January.....	<i>1.55</i>	<i>1.35</i>	<i>2.88</i>	<i>.98</i>	<i>1.45</i>	<i>2.91</i>	<i>.87</i>	<i>3.53</i>	<i>3.38</i>	<i>1.73</i>	<i>2.063</i>
February.....	<i>2.33</i>	<i>1.70</i>	<i>2.05</i>	<i>1.79</i>	<i>1.16</i>	<i>1.52</i>	<i>2.23</i>	<i>2.06</i>	<i>1.23</i>	<i>2.95</i>	<i>1.902</i>
March.....	<i>1.42</i>	<i>.83</i>	<i>3.42</i>	<i>1.96</i>	<i>.97</i>	<i>.69</i>	<i>2.92</i>	<i>3.17</i>	<i>1.14</i>	<i>1.26</i>	<i>1.749</i>
April.....	<i>1.13</i>	<i>3.31</i>	<i>2.46</i>	<i>.96</i>	<i>.74</i>	<i>1.06</i>	<i>2.82</i>	<i>4.58</i>	<i>1.92</i>	<i>2.26</i>	<i>2.124</i>
May.....	<i>1.17</i>	<i>1.53</i>	<i>1.65</i>	<i>2.49</i>	<i>2.85</i>	<i>1.04</i>	<i>1.34</i>	<i>3.03</i>	<i>2.62</i>	<i>2.05</i>	<i>1.947</i>
June.....	<i>2.26</i>	<i>2.82</i>	<i>2.98</i>	<i>1.71</i>	<i>.63</i>	<i>2.20</i>	<i>1.25</i>	<i>1.47</i>	<i>2.02</i>	<i>4.87</i>	<i>2.221</i>
July.....	<i>.45</i>	<i>2.77</i>	<i>2.91</i>	<i>1.72</i>	<i>2.67</i>	<i>5.97</i>	<i>1.91</i>	<i>3.53</i>	<i>.27</i>	<i>4.99</i>	<i>2.719</i>
August.....	<i>2.32</i>	<i>.97</i>	<i>3.97</i>	<i>3.01</i>	<i>1.93</i>	<i>3.19</i>	<i>1.86</i>	<i>8.86</i>	<i>6.58</i>	<i>3.05</i>	<i>3.574</i>
September.....	<i>.99</i>	<i>4.57</i>	<i>4.29</i>	<i>2.16</i>	<i>1.96</i>	<i>2.48</i>	<i>4.21</i>	<i>1.19</i>	<i>1.68</i>	<i>.75</i>	<i>2.428</i>
October.....	<i>3.92</i>	<i>2.55</i>	<i>5.43</i>	<i>1.89</i>	<i>1.28</i>	<i>4.44</i>	<i>1.68</i>	<i>2.60</i>	<i>1.25</i>	<i>.63</i>	<i>2.567</i>
November.....	<i>2.08</i>	<i>1.91</i>	<i>4.58</i>	<i>1.29</i>	<i>3.64</i>	<i>5.48</i>	<i>3.20</i>	<i>1.61</i>	<i>6.99</i>	<i>3.01</i>	<i>3.459</i>
December.....	<i>4.68</i>	<i>1.85</i>	<i>4.87</i>	<i>.39</i>	<i>5.54</i>	<i>1.95</i>	<i>2.18</i>	<i>2.08</i>	<i>4.46</i>	<i>.74</i>	<i>3.374</i>
TOTALS.....	<i>25.10</i>	<i>26.16</i>	<i>41.49</i>	<i>20.35</i>	<i>24.82</i>	<i>32.93</i>	<i>31.47</i>	<i>37.71</i>	<i>33.54</i>	<i>28.29</i>	<i>30.186</i>

1871 In open part of Garden

1878 A Hedge & wall 6 ft high both 50 ft from gauge

Iscomond church  $\frac{1}{2}$  mile S.E.

# RAINFALL AT Newcastle Town Moor 80

Lat. \_\_\_\_\_ Lon. \_\_\_\_\_ County of Northumberland  
 Rain Gauge, by \_\_\_\_\_ Observer W<sup>h</sup> H. Hill

Syne 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	1.636
July .....	5.24	3.01	3.22	4.33	4.54	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	1.34	4.20	4.14	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	30.05	29.43	22.34	25.29	33.08	22.81	28.23	25.07	27.891

1881. Jesmond Church  $\frac{1}{2}$  mile SE.

Wall 6ft high 50ft N

Sedge 6ft " 50ft S

1889 Gauge moved Oct 29 24 yards E



# RAINFALL AT Newcastle Town Moor

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

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

County of Northumberland

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

Observer

A. Wright Esq

Type 3

Diameter ....	5										
Height .....	2 0										
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	.54	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	3.123
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	28.57	28.07	20.65	24.33	30.16	26.91	24.18	22.19	25.57	25.900

1890 Jesmond Church 4 furlongs SE  
 Wall 6 ft high 50 ft N  
 Hedge 7. - 50. - S

1890-

# RAINFALL AT Newcastle, Town Moor, Deaf & Dumb Institution

Lat. ....

Lon. ....

County of Northumberland

Rain Gauge, by .....

Observer A. Wright Esq.

Tyne, lower - 3.

Diameter ..	5										
Height ....	2 0										
Altitude ..	201 $\pi$										
Year ....	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEAN.
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	.27	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

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

Wall 6 ft high 50 ft N

Hedge 7 " " 50 " S

1903 West Jeannond Station <sup>1/2 mile</sup> 3 furlongs N E

NE 1908

NE

# RAINFALL at Newcastle Town Moor,

*a Institution for Deaf and Dumb.*

County of Northumberland

Observer A. Wright Esq

River Basin Tyne, Low 3

D. E. Baldie Esq

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

Diameter ...	5										
Height .....	20										
Altitude ...	201 <del>ft</del>										
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	2.32	
March .....	.48	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	1.88	2.38	
September ..	.74	2.75	2.00	6.48	2.16	1.69	1.43	2.03	8.30	1.05	
October ...	3.69	2.49	3.45	1.81	2.40	1.33	2.74	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	28.23
	7	3	7	7	7	7	7	7	7	7	

1910 March 1st Long wind 36 <sup>1</sup>/<sub>4</sub> m.p.h. S E  
 Breeze 5-7 p.m. High 50 ft N + W

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
1911	55	1.35 W	W. Jesmond	3 furl.	NE	Jesmond	<sup>1</sup> / <sub>4</sub> mi	SE



RAINFALL at *Newcastle Town Moor*County of *Northumberland*Observer *D. G. Baldie Esq*River Basin *Tyne - Lower 3**W. Wearmouth Esq. 1929**Howard Rain Gauge, by glass measure - Camden - correct. there is a possibility of rain running down inside of funnel in to glass bottle**The Superintendent.*

Diameter ...	5"										
Height .....	2.0					1.4		1.8			
Altitude ...	201										
Year .....	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930. MEANS
January ...	3.08	4.60	2.94	1.25	2.06	1.83	2.45	1.55	2.25	2.61	3.21
February ...	.98	.20	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	1.55
May .....	3.60	1.57	1.12	2.76	7.07	2.25	3.29	1.52	1.31	.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	6.65	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	2.73	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	1.59
November...	1.15	2.52	.83	4.31	1.34	2.63	3.58	2.77	2.50	2.28	2.71
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	25.20	29.99	30.05	33.00	28.32	29.73	33.03	26.08	19.80	28.47
	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)

Inspected 92. 6.18.26. Sketch illustrates possibility of wind falling on outside of funnel & getting into glass receiver.  
 S. in strawberry bed in latter garden, large open space with fence or hedge all round at convenient distance. Excellent exposure.  
 S. is in Deaf & Dumb Institute & alongside but not on the Town Moor  
 1927. - Jan & Sept. corr. by surrounding stations.  
 1929 Hedge 7' high S2' N  
 " 5' " 50' W

Position of Station on reduced Ordnance Survey } 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
1911	55°	1°35'	W. Jesmond	3 fms	N E	Jesmond	1/2 mi	S E

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

County of NorthumberlandObserver The Superintendent,River Basin Tyne-Lower-3.The Secretary (1940)Type of Gauge SnowdonAnnual Average 24.7 in. based on 8 years obs. 24-weighted. Period of average 1881-1915 Ref. S. Ann. 1947file 665444/76.

Diameter	.....	5.										
Height	.....	1.8.										
Altitude	.....	201.										
Year	.....	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January	.....	2.51	.62	1.31	1.52	2.71	3.26	2.76	1.70	3.92	1.94	2225
February	.....	1.15	.74	3.20	.43	2.47	3.37	3.32	.85	.72	1.94	1819
March	.....	1.03	1.87	1.08	3.08	.50	1.47	2.70	.22	2.80	(1.90)	1635
April	.....	2.62	1.06	1.21	4.67	3.28	1.31	2.24	.10	.67	(.90)	1806
May	.....	2.45	3.50	1.40	1.08	1.05	1.80	2.38	3.81	1.20	.67	1934
June	.....	2.84	.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	.43	2.18	2.31	2.20	3.30	7.62	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	3.47	3.39	4.07	1.41	1.81	3.45	4.39	3.09	2967
November	.....	2.16	.74	3.32	2.97	3.69	3.00	1.54	2.29	3.06	3.01	2578
December	.....	.99	.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 K.M.
		D.	D.	D.	D.	D.	D.	D.	D.	D.	d	

1933 Apple trees 9' high byds. W.

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

1938 Apple trees 10' high, 10 yds N, byds E &amp; 4 yds S.

1940. Mar. Apr. estd.

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

1 mile 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
1933.			West Jesmond	1/2 m	E.	Jesmond	3/4 m	S.
1937			West Jesmond	500 yds	N.E.	St Hilda's	400 yds	N.E.
1938			"	1/2 m	N	"	1/2 m	N

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



Station No. 3562RAINFALL at Newcastle (Deaf & Dumb Inst.)

41

County of Northumberland Observer The Secretary (1940)River Basin Tyne Lower 3.Type of Gauge SnawdonAnnual Average 24.7 in. based on 8 years obs. ~~un~~-weighted. Period of average 1881-1915 Ref. 3File No. 6654141/26

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	24	1.78									
TOTALS	29.40	20.15									

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

BRITISH RAINFALL ORGANIZATION