

RAINFALL AT *Middlewich, Brostock Hall* 80

Lat. _____

Lon. _____

County of *Cheshire*

Rain Gauge, by _____

Observer *Col. Grace Hayhurst*

weaver - 2.

Diameter	<i>5</i>										
Height	<i>2.9</i>			<i>2.0</i>							
Altitude	<i>157 ft</i>										
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January	<i>.48</i>	<i>.56</i>	<i>2.20</i>	<i>2.66</i>	<i>2.89</i>	<i>1.48</i>	<i>4.34</i>	<i>3.30</i>	<i>1.29</i>	<i>.89</i>	<i>2.009</i>
February	<i>2.06</i>	<i>4.41</i>	<i>1.97</i>	<i>2.01</i>	<i>1.57</i>	<i>1.82</i>	<i>.67</i>	<i>.48</i>	<i>.96</i>	<i>1.73</i>	<i>1.768</i>
March	<i>1.46</i>	<i>3.07</i>	<i>1.89</i>	<i>1.14</i>	<i>2.21</i>	<i>1.72</i>	<i>2.08</i>	<i>1.55</i>	<i>1.53</i>	<i>2.47</i>	<i>1.912</i>
April	<i>.93</i>	<i>1.15</i>	<i>3.07</i>	<i>1.34</i>	<i>1.08</i>	<i>1.93</i>	<i>1.37</i>	<i>.88</i>	<i>.99</i>	<i>2.76</i>	<i>1.550</i>
May	<i>2.79</i>	<i>3.25</i>	<i>1.75</i>	<i>1.02</i>	<i>1.50</i>	<i>1.45</i>	<i>6.84</i>	<i>1.62</i>	<i>.74</i>	<i>2.24</i>	<i>2.320</i>
June	<i>3.02</i>	<i>2.04</i>	<i>5.69</i>	<i>3.13</i>	<i>.77</i>	<i>2.83</i>	<i>1.40</i>	<i>1.39</i>	<i>2.02</i>	<i>.69</i>	<i>2.298</i>
July	<i>5.59</i>	<i>2.07</i>	<i>4.02</i>	<i>3.01</i>	<i>4.65</i>	<i>1.02</i>	<i>2.56</i>	<i>1.17</i>	<i>5.51</i>	<i>3.94</i>	<i>3.354</i>
August	<i>2.61</i>	<i>3.58</i>	<i>3.68</i>	<i>1.83</i>	<i>1.50</i>	<i>1.89</i>	<i>1.27</i>	<i>1.16</i>	<i>3.03</i>	<i>5.30</i>	<i>2.585</i>
September....	<i>3.02</i>	<i>2.79</i>	<i>2.10</i>	<i>4.88</i>	<i>2.37</i>	<i>4.05</i>	<i>3.44</i>	<i>2.97</i>	<i>.66</i>	<i>3.49</i>	<i>2.977</i>
October	<i>4.43</i>	<i>3.03</i>	<i>3.43</i>	<i>4.56</i>	<i>1.42</i>	<i>5.43</i>	<i>4.77</i>	<i>2.13</i>	<i>1.08</i>	<i>2.04</i>	<i>3.232</i>
November....	<i>3.37</i>	<i>3.12</i>	<i>4.80</i>	<i>3.11</i>	<i>2.05</i>	<i>2.95</i>	<i>2.46</i>	<i>1.03</i>	<i>3.45</i>	<i>1.81</i>	<i>2.821</i>
December	<i>5.35</i>	<i>3.12</i>	<i>4.83</i>	<i>1.53</i>	<i>2.77</i>	<i>1.56</i>	<i>4.40</i>	<i>2.14</i>	<i>1.95</i>	<i>2.30</i>	<i>2.995</i>
TOTALS	<i>35.11</i>	<i>32.19</i>	<i>39.49</i>	<i>30.22</i>	<i>24.78</i>	<i>28.13</i>	<i>35.60</i>	<i>19.82</i>	<i>23.21</i>	<i>29.66</i>	<i>29.821</i>

1887 Davenham Church 2 miles N

RAINFALL AT *Middlewich Bostock Hall*

Lat. _____

Lon. _____

County of _____

Cheshire

Rain Gauge, by _____

Observer _____

Col France Hargrave
at Mather

Weaver - 2.

Diameter	5										
Height	20										
Altitude	157 λ										
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	2.95	2.02	2.76	1.37	1.86	2.79	1.40	1.41	1.99	3.35	2.190
February ....	.61	.13	1.58	2.88	3.35	.20	1.57	2.91	1.83	1.22	1.628
March	1.66	1.29	1.01	.49	1.62	2.73	3.56	2.14	1.07	1.39	1.646
April	1.47	1.97	1.22	.60	1.61	2.24	1.51	2.34	1.46	2.71	1.713
May	2.04	4.21	2.85	2.35	2.25	.70	.48	1.51	3.81	2.05	2.225
June	2.51	4.15	3.53	1.80	2.79	2.80	4.18	3.41	2.25	2.43	2.985
July	2.48	1.86	3.04	2.12	2.24	4.45	1.82	.82	.44	1.63	2.090
August	3.68	3.95	4.00	2.77	3.64	3.46	3.86	3.20	5.03	.98	3.457
September	1.02	2.89	2.88	3.06	1.07	1.43	4.86	3.90	.65	3.46	2.522
October	2.21	4.43	5.54	2.25	3.02	3.14	3.84	1.87	3.55	3.53	3.338
November	6.15	2.66	2.11	1.29	2.13	3.11	1.60	3.24	1.52	1.35	2.516
December ....	.53	4.20	2.50	3.98	2.66	2.48	3.64	3.18	2.62	2.14	2.793
TOTALS	27.31	33.76	33.02	24.96	28.24	29.53	32.32	29.93	26.22	26.24	29.153

1580-

RAINFALL AT Middlewich Postock Hall

Lat.

Lon.

County of Cheshire

Rain Gauge, by

Observer

Ed. Frances HayhurstWeaver - 2.asthron a. Hall

Diameter ..	5										
Height ...	2.6						2	6			
Altitude ..	157 7										
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..	3.49	1.94	1.59	2.86	1.93	1.02	4.05	1.06	1.95	1.49	2.138
February ..	3.01	1.60	1.48	1.76	3.26	.90	2.80	1.81	2.31	.76	1.969
March	1.21	1.93	1.66	3.75	1.38	2.80	2.66	1.22	2.88	2.87	2.186
April	1.43	1.99	2.15	1.91	1.54	1.65	1.38	1.01	2.72	2.03	1.781
May	1.65	.96	3.27	2.84	1.47	.63	2.20	2.51	2.57	1.04	1.914
June	4.45	2.06	1.20	1.71	1.42	.89	1.62	3.89	1.88	2.55	2.167
July	2.59	3.26	2.06	2.69	2.13	2.65	1.13	5.58	3.06	4.17	2.932
August	5.63	2.71	2.92	4.36	4.07	3.71	2.73	3.81	2.48	3.12	3.554
September ..	.78	.87	1.08	4.22	1.55	1.47	2.43	.66	3.92	2.29	1.927
October	3.92	2.82	3.40	5.50	1.84	2.48	4.20	3.57	1.95	4.68	3.436
November ..	2.71	2.50	1.54	3.32	1.68	3.14	2.01	2.15	2.43	1.10	2.258
December ..	3.78	3.96	2.54	1.20	2.52	.52	3.79	1.99	2.34	6.23	2.887
TOTALS ..	34.65	26.60	24.89	26.12	24.79	21.86	31.00	29.26	30.49	31.83	29.149

1904 Davenham Church 2 miles N
 Middlewich Station 2 1/2 S
 Glass House 16' 6" high 53 ft N

RAINFALL at Middlewich Postek HallCounty of CheshireObserver Col France Hayhurst G. H. HallRiver Basin Messy Weaver 2W.H. France-Hayhurst Esq (15)
Ma H. Hall

Rain Gauge, by

Diameter ...	5												
Height	2 6						5.0		2.0				
Altitude ...	157 ft												
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.	Sums	
January ...	2.40	.93	3.22	2.75	1.52	3.92	1.43	2.40	1.66	2.37		7.86	16.19
February ...	2.03	2.21	1.25	1.15	1.32	2.93	3.69	1.38	2.03	.82		7.92	
March .....	.59	1.37	4.24	4.18	2.93	1.72	1.93	1.77	1.30	5.95		10.95	
April	3.13	1.61	.34	3.43	.82	1.19	2.12	2.03	.93	1.23		6.31	
May	2.59	.48	2.02	2.15	1.75	1.69	2.14	2.50	2.61	.93		8.12	
June	1.90	2.81	3.15	2.05	1.97	1.64	2.34	2.82	1.49	2.01		8.46	
July	3.65	.71	3.46	1.29	5.21	4.05	2.04	1.15	3.68	1.32		8.19	
August	5.24	2.50	5.55	1.29	2.89	3.65	3.25	5.52	3.07	3.64		15.48	
September ..	.33	2.92	1.38	1.27	2.02	.40	2.29	1.57	6.11	2.15		12.12	
October ...	2.65	2.46	2.84	2.49	1.43	1.62	3.68	5.46	1.29	2.81		13.24	
November ...	5.71	2.55	2.57	2.27	3.58	2.36	2.17	2.96	2.18	2.21		9.52	
December ...	3.34	4.73	2.84	1.71	5.23	5.06	2.25	1.22	4.76	5.37		13.60	
TOTALS ...	33.56	25.28	32.86	26.03	30.68	30.23	29.33	30.78	31.11	30.81	30.06	12.23	

Glandstone 15 ft high 58 ft N

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
			Middlewich	2 M	N S S	Davenham	2 M	S N N

RAINFALL at Middlewich Bostock HallCounty of CheshireObserver Capt. W. H. France-Hayhurst
Rev. A. H. HallRiver Basin Mensup-Weaver-2(1925) Glaisher Rain Gauge, by _____

OLD GAUGE

Diameter ...	5"								5		5"	
Height	2 0								2		2' 6"	
Altitude ...	157								124		157'	
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930- MEANS.	20-30
January ...	3.53	3.70	3.61	2.29	2.41	2.47	2.33	3.14	5.98 6.29	1.73	4.05	35.84
February ...	3.10	.43	3.04	4.27	1.14	4.07	3.06	1.10	2.81	.88	.48	34.38
March	3.32	1.46	1.93	1.67	.98	1.03	1.22	3.11	1.41	.77	2.47	19.37
April	4.49	1.31	2.44	2.48	1.88	1.26	1.20	2.78	1.16	.74	2.47	22.21
May	4.18	.82	.78	3.53	5.07	3.42	2.95	1.14	.87	1.96	2.63	27.35
June	2.62	.44	1.20	.85	2.19	.00	1.42	5.01	5.59	1.48	1.15	21.95
July	5.57	.55	4.31	3.47	4.74	2.57	3.74	2.24	1.63	2.29	6.62	36.73
August	1.05	4.28	3.66	3.45	4.99	2.42	3.40	3.79	2.66	3.52	3.14	36.36
September...	3.02	.78	2.91	3.35	3.16	3.76	4.13	4.73	.85	2.12	3.25	32.06
October	1.32	2.60	.48	4.37	3.48	4.33	2.34	2.25	3.72	5.28	4.12	34.29
November...	.68	1.91	1.28	1.96	1.41	1.91	4.42	2.69	4.93	5.95	3.39	30.58
December...	2.04	2.87	4.52	4.16	2.85	1.77	.90	1.49	1.61	5.10	2.93	30.24
TOTALS...	34.92	21.15	30.16	35.85	34.30	29.01	31.11	33.47	33.53 22	31.82	35.70	2871

1920 Glass House 15 ft High 30 ft N.

Jan 1928 correction from form 1090. 3. 11. 36.

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			Middlewich	2 mi	S	Davenham	2 mi	N

RAINFALL at Middlewich, Bristol Hall GardensCounty of CheshireObserver Capt. W. H. Francis HayhurstRiver Basin Mersey - Weaver - 2Rain Gauge, by no gauge

Diameter											5	5
Height											18	10
Altitude											157	157
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930	
January										1.73	4.26	
February										.88	.39	
March										.77	2.48	
April										.74	2.53	
May										1.96	2.79	
June										1.48	1.28	
July										2.29	5.78	
August										3.52	3.55	
September										2.12	3.39	
October										5.28	4.43	
November										5.95	3.71	
December										5.10	2.99	
TOTALS										31.82	37.58	

1929 checkg. up.
1920 — —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

RAINFALL at Middlewich (Bostock H.) old g.County of CheshireObserver Capt. W. H. France-Hayhurst.River Basin Mersey-Weaver-2Type of Gauge Annual Average 29.2 in. based on 35 years obs. un-weighted. Period of average 1881-1915 Ref. B.M.

879032/28.

Diameter	5.										
Height	2.6.										
Altitude	157.										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January	2.58	2.28	1.43								
February	2.45	.06	2.52								
March	.23	1.60	2.10								
April	2.28	2.97	.86								
May	2.81	5.20	1.41								
June	4.78	.22	1.99								
July	3.11	3.26	1.89								
August	6.47	1.61	0.73								
September	4.38	2.11	.87								
October	1.09	5.37	3.66								
November	4.82	2.66	1.22								
December	1.53	1.08	.32								
TOTALS	36.53	28.42	19.00	#							
	2	2	2								

Glasshouse 15' high 58' N.

1932 m.p. check.

Terminates see Min. 28 on file.

Feb. 1931 corrected from form 1090. 3.11.36.

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, EXHIBITION ROAD, LONDON, S.W.7.

RAINFALL at Middlewich (Bosack Hall) (negg.)County of Cheshire Observer Capt. W. H. France. Hayhurst.River Basin 2 - Mersey - WeaverType of Gauge SnowdonAnnual Average 29.9 in. based on 22 years obs. un-weighted. Period of average 1881-1915 Ref A. W. Shaw.

879032/28.

Diameter	5"											
Height	1' 0"											
Altitude	157'											
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means	Totals
January	2.69	2.33	1.47	1.82	1.70	3.88	3.02	3.94	4.82	2.35	2802	
February	2.83	.07	2.65	.27	2.76	1.84	4.85	1.10	2.38	2.05	2080	
March	.23	1.66	2.16	1.40	.94	1.54	1.64	.79	1.74	2.45	1454	
April	2.32	3.13	.90	1.36	2.30	1.49	3.16	.25	1.67	2.35	1893	
May	2.86	5.28	1.48	1.50	1.15	1.13	2.25	2.74	1.38	1.36	2113	
June	4.91	.23	2.04	1.66	4.02	3.37	1.05	2.46	2.19	1.23	2346	
July	3.19	3.51	1.88	1.10	1.52	3.76	2.91	3.11	5.17	3.52	2497	
August	6.66	1.68	.75	2.80	1.73	1.60	2.90	3.66	1.69	.71	2418	
September	4.49	2.24	.92	1.85	5.93	4.03	1.29	1.08	.82	2.67	2542	
October	1.11	5.48	3.89	3.39	4.47	2.13	1.75	3.54	2.60	3.79	3245	
November	5.00	2.78	1.22	2.30	4.28	2.79	1.93	3.63	4.36	7.02	3541	
December	1.58	1.10	.314	4.42	3.40	2.50	3.08	3.07	1.80	2.73	2562	
TOTALS	37.87	29.48	19.70	23.87	34.20	31.06	29.83	29.67	31.22	32.23	24913	
	2	.2	4	10	10	10	10	10	2	10	10	

Glasshouses 15' high 58' N.

1936 Greenhouse 15' high 16' N.

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.			Middlewich	2 m.	S.	Davenham.	2 m. 1 m.	N.

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

Station No. M. 2773/1RAINFALL at Liddlewirth (Bostock Hall)

41

County of CheshireObserver Capt. W. H. France-HayhurstRiver Basin Mersey - Weaver - ?MRS. R. T. CHENESE
Gen. W. H. France-Hayhurst
MANCHESTER CORPORATION (V. 50)Type of Gauge Snowdon

MANCHESTER CORPORATION (V. 50)

Annual Average 27.7 in. based on 22 years obs. un-weighted. Period of average 1881-1915. Ref. 2.13 Sheet.File No. 879032/28

Diameter	5"		5.5"	6.88"								
Height	10'			1								
Altitude	157'			41								
Year	1911	1912	1913	1914	1915	1916	1917	1918	1919	1920	Means	Totals
January	2.06	3.93	4.33	3.67	3.15	3.19	1.84	5.66	2.10	.62	3055	
February	3.27	1.23	1.62	1.40	2.28	4.79	1.36	1.77	1.53	4.75	2400	
March	2.55	1.77	1.28	.65	.80	.72	5.80	.51	2.30	.61	1699	
April	1.33	1.33	1.43	1.77	1.32	.97	2.47	1.70	2.61	3.70	1863	
May	2.28	4.18	1.82	2.37	3.66	1.49	2.60	1.44	3.17	1.90	2391	
June	.79	.26	3.13	2.14	2.24	3.11	1.78	3.99	.86	2.53	2083	
July	2.17	3.36	2.62	3.04	1.07	4.02	1.84	2.74	1.69	5.02	2757	
August	3.56	2.52	3.01	2.74	3.48	4.81	.39	5.16	1.88	4.47	3202	
September	.90	2.53	4.02	3.47	1.31	3.24	1.66	1.89	.66	3.80	2348	
October	3.74	3.08	3.34	3.73	4.54	1.31	.62	1.81	2.80	2.31	2728	
November	2.37	.64	2.26	4.85	.79	4.53	3.52	1.88	4.72	3.75	2931	
December	1.33	3.23	1.35	2.12	2.53	3.42	2.28	2.56	3.97	2.79	2558	
TOTALS	26.35	28.06	30.21	31.95	27.17	35.60	26.16	31.11	28.27	36.25	30015	

1941 Dec total corr'd. for arch. Jan corr'd. for snow.

1950 B. Hall purchased by Manchester Corp.

1950 during 6 garden, changing hands no obs. were made in April & May, 1950.

7-3

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. 2773/1 ^mRAINFALL at Middlewich (Bostock Hall)

51

County of Cheshire Observer Manchester CooperRiver Basin Mersey - Weaver - RType of Gauge SnowdonAnnual Average 29.9 in. based on 22 years obs. ^{1.45} ~~un-weighted~~. Period of average 1881-1915 Ref. P.W. Sheet30.63 .. 35 .. 1916-1950File No. 879032/18

Diameter ...	5"			555	688							20134136
Height ...	1' 0"				1							
Altitude ...	157'				51		138'					
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means	Totals
January ...	1.78	2.66	1.00	1.00	2.64	4.45	1.42	2.87	3.03	4.88	26.23	
February ...	2.25	1.63	1.27	1.00	2.00	.52	2.00	4.42	.26	2.27	18.62	
March ...	4.74	1.50	1.52	2.43	2.21	1.34	2.72	1.57	1.23	1.14	20.40	
April ...	1.97	2.84	2.62	.56	1.68	2.64	.54	.76	2.91	1.46	17.98	
May ...	2.76	2.34	1.84	2.04	3.21	1.15	1.31	2.16	1.64	1.99	20.44	
June ...	1.17	2.13	1.86	3.61	3.33	2.03	1.14	3.99	2.25	2.34	23.85	
July ...	1.86	1.79	3.19	4.26	.54	4.49	5.10	3.78	2.25	3.66	30.92	
August ...	3.69	1.21	2.87	3.69	.82	9.17	4.04	3.65	.76	4.68	34.58	
September ...	2.11	2.64	2.83	3.39	2.22	2.13	6.26	3.97	.18	3.18	28.91	
October ...	.98	4.02	1.85	5.02	1.69	2.13	3.04	2.81	2.90	4.30	28.14	
November ...	6.69	2.19	2.08	5.10	1.47	1.47	1.27	1.69	3.55	4.74	30.25	
December ...	4.14	3.01	1.34	4.16	3.21	2.80	2.33	3.47	4.75	2.99	32.20	
TOTALS ...	34.24	27.96	24.27	37.70	24.92	34.32	31.17	35.14	25.71	37.63	313.12	
	D	D	D	2.0	D	D	D	D	D	D		

* Cat. 2772

Position of Station on Ordnance One-Inch map : No. of Map..... National Grid Reference SS(33)615684

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 = accepted

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
	✓	✓	✓	41-49	
	—	d 26-30	✓ but d 31-33	✓ but d 49	