

# RAINFALL AT *Old Springs Market* 80

Lat. ....

Lon. ....

County of

*Stafford*

Rain Gauge, by

Observer

*F. E. Harding Esq.*
*Seven, L-2.*

Diameter ....								5			
Height .....								9			
Altitude ....								422			
Year .....	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January ....								2.26	.72	.34	3.42
February ....								.87	.72	2.13	3.72
March ....								1.72	2.06	2.51	6.29
April ....								.84	1.46	3.16	5.46
May ....								1.77	.75	2.70	5.22
June ....								1.12	2.34	.60	4.06
July ..								1.07	4.92	2.64	8.63
August ....								2.02	3.16	4.24	9.42
September....								2.46	1.11	2.80	6.37
October ....								2.56	1.03	2.93	6.52
November....								1.57	4.09	1.13	6.73
December ....								1.54	2.20	2.09	5.83
TOTALS ....	32.90	27.20	38.40	27.90	22.20	29.70	35.80	19.84	24.56	27.27	71.67

*Take above (see measuring)*  
 1889 Cheswardine Church 1 7/8 mile SE & S  
 House 40 ft high 84 ft NE  
 Tree 35 " " 72 " SW & S

✓ indicates entered correct day. (See note at beginning of this book).

# RAINFALL AT *Market Drayton Old Springs*

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

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

County of \_\_\_\_\_

*Stafford*

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

Observer \_\_\_\_\_

*F. E. Harding Esq*

*Seven, 2-2.*

Diameter ....	5											
Height .....	0 8						1 0					
Altitude ....	422											
Year .....	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.	
January ....	3.19	1.95	2.70	1.66	2.35	3.67	1.37	1.56	1.31	3.69	2.345	
February ....	.70	.14	1.93	3.02	2.44	.18	1.13	2.28	1.84	1.47	1.512	
March .....	1.65	1.25	1.03	.46	1.43	2.95	3.21	2.76	.99	1.06	1.679	
April .....	1.01	2.16	1.14	.64	1.94	2.41	1.08	2.27	1.69	2.67	1.701	
May .....	2.45	3.56	3.61	2.58	3.04	.84	.58	1.94	3.37	2.70	2.467	
June .....	2.25	3.84	3.18	2.06	2.49	1.18	2.36	3.44	1.91	3.00	2.571	
July .....	2.82	3.02	2.78	2.81	2.61	3.74	2.09	.92	1.74	1.89	2.442	
August .....	4.02	5.05	2.42	1.92	2.93	2.79	3.46	2.82	4.26	1.32	3.099	
September....	1.40	3.11	2.97	1.95	.35	.54	4.64	3.10	1.16	2.76	2.198	
October .....	2.07	4.22	4.22	1.94	3.23	2.61	2.96	1.40	3.34	3.10	2.909	
November....	5.99	2.42	2.43	1.39	2.34	3.07	1.75	2.54	1.64	1.61	2.518	
December ....	1.08	3.38	2.48	3.23	2.35	2.12	3.99	2.62	2.53	1.92	2.570	
TOTALS ....	28.63	34.10	30.89	23.66	27.50	26.10	28.62	27.65	25.78	27.19	28.012	

1890 Hales Church 1 1/2 Mile NE

House 40 ft high 87 ft NNE

Tree 30 " " 78 " SSW

" 35 " " 111 " W

1895 Gauge moved in October 26 yards N.W.

# RAINFALL AT *Market Drayton Old Springs*

Lat. ....

Lon. ....

County of *Stafford*

*Howards* Rain Gauge, by *A. N. Stiles*

Observer *F. E. Harding Esq*

*Seven, L. bank - 2.*

Diameter ..	5										
Height ....	10										
Altitude ..	423 <sup>ft</sup>										
Year ....	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..	3.07	1.87	1.24	1.98	2.70	.75	4.35	1.53	1.45	1.70	2.064
February ..	3.73	1.63	1.40	1.37	3.63	.61	2.27	1.38	1.70	.71	1.843
March ....	1.36	2.48	1.83	3.96	1.92	3.70	2.00	1.35	2.80	2.49	2.389
April .....	1.17	2.43	2.10	1.76	1.23	1.67	1.58	2.06	2.55	2.33	1.888
May .....	1.74	1.46	2.93	2.15	2.05	.78	2.27	3.13	2.34	.95	1.980
June .....	2.93	2.39	2.06	1.46	.85	4.11	1.34	4.13	2.33	2.99	2.459
July .....	2.88	3.59	1.78	3.00	2.24	1.72	.71	3.75	2.91	4.29	2.687
August ....	5.22	3.17	3.39	4.10	4.46	6.03	2.08	2.81	4.09	2.76	3.811
September..	1.08	1.38	1.15	4.41	1.80	1.37	1.68	.84	3.01	2.59	1.931
October ....	3.84	3.00	3.44	6.57	.75	1.70	5.63	4.45	2.20	4.44	3.602
November ..	2.71	2.34	1.88	2.85	1.56	3.03	2.91	2.46	2.01	.90	2.265
December ..	4.17	3.59	2.21	1.72	1.77	.45	2.92	2.19	2.48	4.01	2.551
TOTALS ..	33.90	29.33	25.41	35.33	24.96	25.92	29.74	30.08	29.87	30.16	29.470

1900 *Hales church* 1/4 miles N.E.

*Conservatory* 16 ft high 42 ft E

*Tree* 35" . 55" N.S.W.

*Flower Screen* 6 . 8 . N.E.

1905 *Market Drayton Station* 2 1/2 miles N.W.



RAINFALL at *Market Drayton Old Springs*County of *Shropshire*Observer *F. E. Harding Esq*River Basin *Severn - Left Bank Tributaries 2**Howard* Rain Gauge, by *A & N Storer*

Diameter ...	4				5						
Height .....	10										
Altitude ...	423										
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...	2.04	.72	4.03	3.41	1.87	3.20	1.12	2.48	1.69	2.29	
February ...	2.50	1.41	1.20	1.11	2.20	2.05	3.23	1.14	2.09	1.95	
March .....	.76	1.40	3.83	4.77	2.51	1.18	2.51	2.65	1.47	5.24	
April .....	2.38	.75	.23	3.67	.91	1.28	1.23	1.13	1.73	1.73	
May .....	2.13	.69	2.44	2.07	2.72	2.28	2.33	3.50	2.60	.65	
June .....	1.99	2.76	4.33	.99	1.94	1.64	1.78	1.29	1.19	1.43	
July .....	3.23	.46	3.34	1.46	4.42	6.30	1.88	1.46	3.20	1.86	
August .....	3.86	2.13	6.93	2.23	4.77	4.02	2.96	4.60	2.67	2.64	
September ..	.49	1.65	1.05	1.81	1.67	.55	1.45	1.37	5.65	2.85	
October ...	2.13	2.50	2.93	3.08	1.59	2.09	4.22	5.01	1.45	3.61	
November ..	5.13	2.64	2.95	2.21	3.25	2.94	2.35	2.31	1.82	1.30	
December ...	4.40	4.51	2.05	1.57	7.04	4.84	2.10	1.06	4.09	4.12	
TOTALS ...	31.04	216.2	35.31	28.38	34.89	32.37	27.16	28.00	29.65	29.67	29.809

1912 *Then Screen 6 ft high 10 ft ENE*  
*Inventary 18. 42. E*  
*Rec. 35. 65. W 85*

Date.	Lat. N.	Long. W.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
	52.53.25	2.26.25	<i>Market Drayton</i>	3 m	NE	<i>Hales</i>	1 1/4 m	NE

RAINFALL at Market Hayton. (old springs).County of Staffs. Observer T. E. Harding, Esq.River Basin 2 Leys, to bank.1926 B.A. Howard Rain Gauge, by L. E. W.

(old gauge)

Diameter ...	5"										
Height .....	1.3						1.8			1.0	1.4
Altitude ...	422										
Year .....	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 M.A.S.
January ...	2.76	2.46	3.49	2.29	1.99	2.09	2.59	2.20	5.12	1.39	5.02
February ...	2.57	.36	2.51	4.26	.83	3.59	2.57	1.43	2.27	.68	.42
March .....	2.18	1.17	2.35	1.53	1.05	.82	.52	2.63	1.54	.55	3.09
April .....	5.00	1.53	1.99	1.82	2.42	1.10	1.36	1.88	.99	.72	2.63
May .....	2.62	1.31	.96	3.60	4.34	4.79	2.86	1.44	1.18	2.00	1.96
June .....	2.54	.30	.80	.50	2.69	.03	1.45	4.42	4.55	1.89	1.11
July .....	5.59	.70	3.90	3.03	2.88	2.83	2.12	2.44	1.52	1.90	6.22
August .....	1.43	3.94	3.25	2.95	3.40	3.49	2.48	4.53	3.35	2.80	3.19
September...	2.23	.66	2.83	2.91	3.50	4.39	1.54	3.19	1.12	1.46	3.93
October .....	2.28	2.72	.38	3.89	4.33	3.18	2.00	2.45	3.77	4.54	3.97
November...	.74	2.03	1.07	2.31	1.44	2.20	5.25	3.26	4.01	5.92	2.85
December...	2.58	2.21	4.09	3.98	2.76	1.72	.79	1.44	2.52	5.08	3.44
TOTALS...	33.52	19.39	27.62	33.07	32.63	30.23	25.53	31.31	31.94	28.93	37.28
	P	D	D	D	D	D	D	D	D	D	D

1920. Therm. max 67° 11° N.E.

Free 70" 47.68, 50.2, 2.

" 60" 45 " 2.

1929. Gauge was lowered from 1 ft. 4 in. (not 1 ft. 8 in. as stated) to 1 ft. on the 5/2/29 and a new M.O. gauge was set up at 1 ft. for comparison purposes. The Howard gauge is to be put up to old height again on 5/2/30. File 817755/28.

Position of Station on reduced Ordnance Survey Map, 2 miles to 1 inch Series } No. of Map

Reference No.

Date.	Lat. N.	Long. E.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge	Direction from gauge
1920	53° 25'	2° 26' 25"	Market Hayton	2 1/4 m.	N.W.	Dales	1 3/8 m.	N.E.



RAINFALL at Market Drayton Old Springs New GaugeCounty of Staffordshire Observer F. E. Harding Esq.River Basin Severn - St. Paul's Link 2

M.O. Rain Gauge, by .....

Diameter .....											5	
Height .....											1.0	
Altitude .....											422	
Year .....	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930	
January .....										(1.32)	4.46	
February .....										(.65)	.40	
March .....										.52	3.05	
April .....										.70	2.47	
May .....										1.91	1.89	
June .....										1.82	1.09	
July .....										1.90	5.84	
August .....										2.77	3.07	
September .....										1.42	3.19	
October .....										4.34	3.71	
November .....										5.45	2.70	
December .....										4.74	3.29	
TOTALS .....										(27.54)	35.16	

1929. Jan. &amp; Feb. 1-4 cald. using 95% of Howard total.

Check gauge not printed.

Thermometer Screen 5 ft. high 11 ft. N.

Tree 70 " 47 ft. W. by S.

Tree 60 " 45 " S.

1930. Check. N. E.

memo. The readings from this new g. would suggest that the Howard values (old) are about 1 1/2 inches too big but the old g. readings are of 28.9 ft. the new g. reads 27.54 ft. which is 1 1/2 inches less.

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
1929			Market Drayton	2 3/4 mi.	N.W.	Dales	1 3/8 mi.	N.E.

RAINFALL at Market Drayton (Old Springs) old g.County of Shropshire Observer J. E. HardingRiver Basin Severn - Left Bank - 3.Type of Gauge M.O.Annual Average 28.9 in. based on 29 years obs. ~~un~~-weighted. Period of average 1881-1915 Ref. B & N.

31755/28

Diameter	5										
Height	1 4	1.0									
Altitude	422										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January	2.25	2.67	1.49	2.11	1.06	3.23	3.00				
February	2.52	1.4	2.50	1.42	2.66	1.61	4.57				
March	1.9	1.92	2.68	1.64	1.57	2.17	*				
April	3.69	2.96	1.86	2.19	3.16	1.49					
May	4.37	4.44	1.58	1.04	1.82	1.70					
June	3.96	1.47	1.74	1.73	2.71	3.23					
July	3.09	3.74	2.47	1.25	1.48	1.39					
August	5.42	1.89	1.96	2.39	1.46	1.08					
September	3.34	1.52	1.78	1.81	3.88	3.22					
October	1.20	4.03	4.82	3.04	4.40	1.59					
November	4.61	2.42	1.32	2.31	4.78	2.73					
December	1.57	1.00	1.40	4.35	2.86	2.18					
TOTALS	36.21	27.20	21.60	23.28	28.84	27.62					

1931. <sup>screen</sup>Thermometer 5' high 11' N. See 70' high 47 yds W's. See 60' high 45 yds S.  
 1937. Unable to continue record due to age.

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.			Market Drayton	2 3/4 m	N.W.	Bales	1 3/8 m	N.E.

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