

70

RAINFALL AT *Burnley Gawthorpe Hall*

Lat.

Lon.

County of *Lancashire*

Rain Gauge, by

Observer *Sir U. K. Shuttleworth*

Diameter.....											8	
Height.....											1	
Altitude.....											316	
Year.....	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.	
January.....										1.12		
February....										2.62		
March.....										1.89		
April.....										1.59		
May.....										1.68		
June.....										6.14		
July.....										5.56		
August.....										6.34		
September...										2.80		
October.....										2.34		
November....										1.26		
December....										2.78		
TOTALS										36.12		

1879 Trees 6ft high 8ft S.W.

All: Saint's church Haberham $\frac{1}{2}$ mile S.

RAINFALL AT

Burley, Gawthorpe Hall

80

Lat. _____

Lon. _____

County of *Lancashire*

Rain Gauge, by _____

Observer *Sir W. H. Smithworth Bart*

Ribble 6.1

Diameter	8										
Height	1.0							1.10	1.3	0.9	
Altitude	316 T										
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January ....	.09	.15	3.43	5.22	6.46	2.00	5.46	3.11	2.31	1.48	
February	3.67	6.00	2.79	3.93	4.32	3.10	1.8	1.73	.89	3.14	
March	2.83	4.62	2.02	1.32	2.76	1.79	1.79	2.32	3.25	2.83	
April	1.86	1.31	4.65	2.12	1.70	2.27	2.19	2.18	1.75	2.02	
May	2.63	3.44	00	.73	2.35	1.92	3.76	1.97	1.13	3.06	
June	3.79	.51	2.36	4.19	.78	3.22	1.96	.54	2.11	1.29	
July	4.13	4.59	5.12	3.51	4.38	1.26	3.55	2.42	6.34	3.20	
August	1.87	5.67	3.70	2.69	1.64	.90	2.02	1.72	3.77	6.06	
September	3.87	1.74	1.97	6.13	3.43	4.93	3.50	6.74	1.59	3.84	
October	3.62	3.18	2.76	5.52	3.80	4.55	5.04	2.09	1.80	3.88	
November	5.54	3.97	4.59	4.11	1.66	2.44	3.23	2.47	6.67	1.82	
December	7.36	4.78	3.06	4.66	5.57	2.10	6.46	2.41	3.21	3.33	
TOTALS	41.26	39.96	34.45	44.15	39.05	30.48	39.13	29.70	34.82	35.95	

1880. All Saints Church, $\frac{1}{2}$ mile.

S.W.

Trees 6ft high 8ft SW.

1882 Record imperfect unreliable

1886 Trees 10ft high 10ft N.

Greenhouse 20ft high 15ft N.

RAINFALL AT Burnley Gawthorpe Hall

Lat. _____

Lon. _____

 County of Lancashire

Rain Gauge, by _____

 Observer Sir Wk Shullesworth Bart
Rubble & Co.
A. Ford Esq

Diameter	8										
Height	0 9			1. 3		0 9	1. 3				
Altitude	316 T										
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	5.31	3.46		1.26	4.44	2.69	1.93	1.07	4.07	6.54	
February ....	.57	.33		5.29	5.66	.25	2.18	2.70	3.94	2.02	
March	3.80	2.94		2.01	3.60	2.92	6.51	4.74	2.21	2.89	
April	1.12	2.54		.57	1.83	2.68	2.31	2.67	2.52	3.55	
May	2.16	2.99		2.74	2.17	1.58	.57	2.11	3.01	2.82	
June	2.73	1.42		3.20	3.15	2.69	2.82	3.70	3.48	1.43	
July	3.86	3.21		3.49	4.87	6.85	2.06	2.03	.92	2.34	
August	6.27	8.39		8.42	5.69	4.28	2.78	7.02	4.76	2.14	
September...	3.94	4.88		4.42	.33	1.66	6.70	4.42	1.48	7.71	
October.....	3.31	6.48		5.38	4.15	4.71	4.55	2.45	3.60	2.88	
November...	8.13	5.17		3.64	3.37	4.06	1.76	4.38	3.66	2.69	
December ....	.58	9.01		5.39	3.97	5.22	4.36	5.03	5.30	3.24	
TOTALS ...	(41.78)	?		40.81	43.23	39.59	38.53	42.27	38.95	40.25	

1891 Unreliable decimal points misplaced - see slip

1892 "

 1893 all rain to Wakeham ^{3/4} 1/2 mile S

Small pond here 7 ft high 24 ft W

 1895 Dec 31st Gauge moved 40 ft E

 not much
wrong at all

RAINFALL AT Burnley Gawthorpe Hall
Central
 Lat. Lon. County of Lancashire South
 Rain Gauge, by Observer A. Ford Esq.

Ribble 1.

Diameter ..	8										
Height	1.3		0.9				1.3				
Altitude ..	316 T										
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..	5.61	2.94	3.96	4.57	3.98	2.01	5.80	2.61	4.08	2.66	3.8221
February ..	4.56	2.00	1.23	4.84	3.82	2.86	3.65	2.99	3.33	3.46	3.2744
March	4.7	4.03	3.96	6.24	2.30	3.26	3.51	4.16	3.79	2.67	3.439
April	2.46	2.94	2.46	2.41	2.82	3.30	1.55	2.15	2.40	3.86	2.635
May	1.88	1.03	3.16	2.50	2.82	.64	4.20	3.78	2.98	1.98	2.497
June	2.93	1.55	1.09	2.17	1.19	2.37	2.33	6.50	1.74	2.49	2.436
July	3.15	1.46	3.74	3.98	1.30	2.47	3.01	2.84	4.70	6.13	3.278
August	6.11	2.50	3.58	5.63	5.31	4.14	3.57	4.67	4.50	3.37	4.338
September ..	1.76	1.18	1.15	5.22	1.27	2.83	1.59	95	3.37	2.74	2.206
October	6.07	3.85	4.00	10.92	2.11	3.85	6.76	4.22	1.52	5.08	4.838
November ..	4.54	6.93	2.03	3.22	4.10	4.38	5.15	2.26	3.63	2.03	3.827
December ..	4.84	6.00	4.02	2.60	3.59	1.27	4.63	4.55	2.96	5.94	4.040
TOTALS ..	44.38	36.41	34.38	54.30	34.61	33.38	45.75	41.68	39.00	42.41	40.630

1900 allanto ch. Haborgham 3/4 mile S
 apple trees 6 ft. high 21 + 48 ft. E + W
 1903 Padilham Station 1 mile W

6. V. 07. A. Ford writes:- "We are on the R. Calder ... into this river all the hot water from the mills ... is turned and there must be constant condensation of small amounts." "The gdn. frequently finds .01 when none has fallen."

RAINFALL at Burnby Garsthorpe HallCounty of Central LancashireObserver Alfred Ford Esq Lord Shuttleworth
J. CrossleyRiver Basin Ribble + C 1

M.O. Rain Gauge, by _____

8-00 Good but batteries
8-01 no tide the bottom to outer can
8-03
7-95 to be repaired (12.20)glass accurate
but replaced
during 1920

Diameter ...	8										
Height	0 9										
Altitude ...	316 ft										
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...	5.59	2.68	4.19	4.87	3.82	6.92	4.44	2.77	3.31	4.96	
February ...	5.35	5.16	1.82	1.92	3.42	5.99	4.55	1.11	5.83	1.27	
March	1.34	2.09	6.08	6.52	5.73	2.04	2.28	3.10	1.54	6.03	
April	4.08	2.70	1.33	5.49	1.51	2.83	3.57	2.29	1.04	2.89	
May	3.67	3.81	2.49	3.95	2.25	1.63	2.78	1.78	1.72	1.78	
June	3.57	5.02	6.61	2.38	2.39	1.10	2.81	2.84	2.40	1.42	
July	4.21	.75	5.17	1.35	5.28	5.52	2.65	2.45	4.82	2.34	
August	6.82	2.97	7.02	2.85	2.58	5.42	4.61	5.79	3.54	4.09	
September ..	.65	4.19	2.27	1.54	3.36	1.19	2.75	2.43	11.73	2.42	
October ...	3.86	3.44	4.38	1.91	2.41	1.44	9.41	8.14	3.99	2.44	
November ...	5.26	3.88	4.62	5.00	6.93	2.19	3.71	4.71	3.39	3.98	
December ...	5.03	8.36	5.10	3.80	7.04	6.79	4.06	2.68	7.91	6.79	
TOTALS ...	49.43	45.05	51.08	41.58	46.72	43.06	47.62	40.09	51.22	40.40	
	2	2	2	2	2	2	2	2	2	2	

1912 apple tree 6 ft high 21. + 48 ft E + W

+ CS. 17.12.20 inside of large walled kitchen garden, perfect site.

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
	53.48	2.15 W	Padiham	1 m	N	All Saints Halton	3/4 m	S

Radham
RAINFALL at *Radley Gauthorpe Hall*

County of *C. Lancashire*Observer *Lord Shuttleworth* *Radley*River Basin *Ribble & C. I.**J. Crosby* (Estate Agent).(1938) *N.O.* Rain Gauge, by(1929) *London.*

Diameter ...	5											
Height	0	9										
Altitude ...	316											
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 1930	
January ...	4.81	7.50	3.98	4.96	2.24	3.49	5.22	4.56	11.03	2.09	6.61	
February ...	3.99	4.3	4.59	7.63	3.8	6.83	3.60	1.79	5.75	1.81	4.6	
March	4.36	3.81	2.43	1.53	1.15	1.83	2.63	3.84	3.08	1.20	2.54	
April	4.63	1.80	3.29	4.05	1.73	2.89	1.98	3.22	1.29	1.29	2.57	
May	5.56	2.34	1.85	4.23	5.25	3.93	3.50	1.84	1.18	2.58	3.14	
June	2.23	.60	2.84	1.26	3.14	.12	2.58	5.07	5.81	1.51	3.18	
July	5.67	1.90	5.04	5.01	3.42	1.84	3.12	3.59	2.06	2.91	5.27	
August	2.03	5.55	6.08	5.89	4.97	3.25	4.71	5.96	7.50	4.00	6.90	
September...	2.63	1.89	3.55	5.03	4.43	3.78	3.88	7.14	1.20	2.24	4.15	
October	1.61	3.27	1.01	5.44	2.94	4.81	3.54	3.90	5.75	6.47	6.34	
November...	2.14	2.12	3.26	7.05	2.96	2.38	7.20	4.39	5.76	4.90	5.91	
December...	2.95	6.57	5.48	3.99	5.40	3.70	2.64	1.55	2.51	10.03	4.52	
TOTALS...	42.61	37.78	43.40	56.07	38.53	38.52	44.60	46.85	52.92	43.06	(51.59)	
	D	D	D	D	D	D	D	D	D	D	D	

1920. Apple Trees 6 ft high 2 ft 15 in 7 48 ft W.

Gauge inspected Oct. 17.12.20 middle of large walled kitchen garden, perfect site.

1924. Rain mounted low - trouble probably due to omission. Observer written to but no reply received (f. 565835/25)

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	53° 48'	2° 18'	Radham	1 mi	W	All Saints	3/4 mi	S.

