

## RAINFALL AT Harrogate & <sup>W.W.</sup>Wonderful House

*Lat.*

London.

*County of*

W.R. York

### *Rain Gauge, by*

21

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## Ouge - Nidd 11

Observer Harrogate Water Works  
E. D. Dixon Esq C. L.

RAINFALL AT Harrowgate Wondreful House  
 Lat. .... Lon. .... County of York w.R. Harrowgate Park  
 Rain Gauge, by E.W. Dinson Esq. Cl.

Wind - 11.

Diameter ..	8									
Height ....	1.6									
Altitude ..	740 ft	725 ft								
Year ....	1900	1901	1902	1903	1904	1905	1906	1907	1908	MEANS.
January ..	4.06	1.51	1.60	2.36	2.54					
February ..	4.07	1.18	1.16	3.41	3.44					
March ....	.46	1.49	1.39	4.09	1.17					
April.....	1.71	2.84	1.56	1.41	1.82					
May .....	1.39	1.38	2.94	3.47	2.66					
June .....	3.76	1.52	1.71	1.92	1.55					
July .....	2.35	1.75	2.23	4.17	4.59					
August .....	5.63	1.40	3.26	3.82	3.70					
September ..	.81	1.00	1.14	4.34	1.34					
October....	3.75	2.01	3.54	8.59	.85					
November ..	3.67	4.66	2.17	1.97	2.91					
December ..	3.17	3.12	2.77	1.48	1.68					
TOTALS ..	34.83	23.86	25.47	41.03	28.25					

RAINFALL at Harrrogate Long CottageCounty of W.R. YorkshireObserver A.S. Westby Esq. CL.River Basin Cruse. Nidd II

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

Diameter ...		8	5							
Height .....			1.0							
Altitude ...			750					740		
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919
January ...		4.70	3.15	1.65	4.25	1.60	2.30	2.50	3.50	9.90
February ...		2.10	1.05	1.68	3.30	3.90	.79	3.35	2.55	10.59
March .....		3.35	3.30	2.70	.85	3.35	2.20	1.16	3.05	9.75
April .....		.41	2.80	.90	1.15	1.70	1.10	.89	1.40	5.09
May .....		2.00	2.75	1.13	1.50	2.10	2.03	3.20	1.55	9.88
June.....		3.20	1.80	2.70	.50	1.85	2.15	.85	1.55	6.20
July .....		5.40	.95	4.30	2.10	2.45	1.55	4.60	2.36	10.96
August.....		6.65	1.25	1.57	2.55	2.10	6.69	3.13	2.50	14.42
September ..		1.90	1.40	1.80	.60	1.96	.90	7.20	1.15	11.21
October ...		3.40	2.85	2.75	1.45	5.70	4.00	2.20	3.75	15.65
November...		1.70	2.45	4.25	1.95	3.25	3.25	1.50	2.00	10.00
December...		2.85	1.50	6.10	7.50	2.36	1.30	5.30	4.80	13.76
TOTALS ...		38.66	25.45	31.53	27.70	33.32	28.26	36.07	29.76	127.41

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
			Atley	4½ m	SSW	Parkinchshaw	2½ m	ENE

## RAINFALL at Harrogate N.W. Ling Cottage

County of W. R. Yorkshire

Observer A. S. West Esq. C.E.

River Basin Ure - Nidd - 11

Water Song, Harrogate

Elevation Bradford Rain Gauge, by  
4.98  
4.98 } 114-23 in drain-tube.  
5.00

Diameter ...	5"												1930 MEASUREMENT	1920-30 MEASUREMENT
Height .....	1.0	1.6												
Altitude ...	740													
Year .....	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930			
January ...	3.70	4.30	3.00	1.80	2.50	2.60	3.20	2.50	5.40	2.04	5.35	36.39		
February ...	2.00	2.23	3.20	4.90	1.95	4.90	3.00	1.30	5.20	.68	1.30	25.66		
March .....	2.50	1.70	1.80	1.35	1.45	1.20	2.05	2.04	2.90	.65	3.42	21.06		
April.....	4.40	1.02	3.20	2.60	1.85	3.90	1.50	2.25	1.00	1.33	3.20	26.25		
May .....	4.00	1.60	1.05	2.20	4.00	5.00	2.40	1.62	2.45	1.71	1.60	28.63		
June .....	3.05	.09	1.50	.90	3.30	.08	3.95	3.05	5.80	1.10	1.94	24.46		
July .....	6.20	1.96	4.90	3.85	4.40	1.00	2.40	5.00	.80	3.27	5.66	39.44		
August .....	1.50	3.95	5.50	4.00	3.30	3.20	3.60	7.00	5.50	2.35	4.22	42.12		
September...	1.20	1.05	3.80	3.20	3.40	2.50	1.20	3.80	.98	.46	3.96	25.55		
October.....	3.15	1.80	1.30	3.80	3.70	3.90	3.80	2.91	5.35	3.27	2.92	35.90		
November...	1.60	2.60	1.20	3.80	2.44	2.40	5.50	3.21	7.98	4.50	5.00	40.23		
December...	3.29	4.60	3.20	3.60	3.20	4.10	1.30	3.80	1.98	6.50	2.80	38.37		
TOTALS...	36.59	34.90	33.65	37.02	34.49	36.78	33.90	38.48	41.04	27.86	41.37	384.61		
	M	M	M	M	M	M	M	M	M	M	M			

Inspected by B. 3rd July 1923

Is situated in open field in fence while sheepfold mending. Fairly good exposure - some shelter in W+S+E and ground flat & N. fence should be mended and grass lowered to 1 ft. and fence raised upto 1 ft. 6 in. with turf &

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			Otley	4 1/2 mi	S SW	Beechworthshaw	2 1/2 mi	E NE

## RAINFALL at Harrogate W.W. (Ling Cottage)

County of West Riding

Observer A.S. West, Esq., C.E.

River Basin. Ouse - Nidd - II.

*Type of Gauge.....*

Annual Average ~~34.5~~ in. based on ~~15~~ years obs. un-weighted. Period of average 1881-1915 Ref. 1.W  
(1939) 33.4 14 660560/26

Diameter	5.									
Height	1.0									
Altitude	740									
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940
January	2.30	2.18	2.00	2.38	1.08	3.20	4.43	4.52	5.45	1.83
February	(2.70)	.44	4.19	.22	3.50	3.20	5.57	1.71	3.18	1.92
March	.75	2.20	1.89	2.68	.97	2.49	2.48	.39	2.74	2.20
April	4.10	2.92	2.50	3.65	1.87	1.18	3.06	.25	2.30	2.67
May	2.90	4.87	3.40	1.40	1.05	2.70	3.05	2.80	.99	.70
June	5.90	.73	1.76	1.92	3.60	5.85	2.77	2.31	2.53	.57
July	3.87	4.05	1.88	1.80	.84	4.51	2.00	3.08	5.46	3.82
August	4.58	1.73	0.54	1.48	2.70	2.69	1.39	3.60	2.52	.76
September	4.50	2.98	1.85	2.45	6.01	2.70	1.40	2.90	1.55	2.62
October	1.22	3.80	3.55	2.55	4.90	2.17	2.25	6.28	2.63	2.95
November	(5.00)	2.40	3.43	2.45	6.80	(4.00)	1.58	3.50	7.22	5.00
December	1.40	1.00	1.01	6.35	2.70	2.38	2.17	5.00	2.31	3.47
TOTALS	(39.22)	28.80	27.49	29.33	36.02	37.07	32.15	36.34	39.08	28.51
									M	334.01

1931. Feb + Nov. adjusted by surrounding stations.

1931. Nov. 1931. *Leucania* sp. 35 mm.

*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
1931			Darley	5 mls	NNW	Beckwithshaw	2½	E

Station No. 3348

RAINFALL at Harnageate W.W. (Ring Cottage) Retired 1945

County of West Riding Observer A. S. West Esq. CE

River Basin Ouse - Nidder = 11

The Water Engineer

Type of Gauge

Annual Average 33.1 in. based on 14 years obs. un-weighted. Period of average 1881-1915. Ref 1.W.S.

File No. 660560/26

Diameter	5"		058	448							
Height	1' 0"			1							
Altitude	740			41							
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means 1941-50 1940-51
January	4.67	(4.17)	4.50	4.60	3.85	4.00	4.71	7.74	1.37	1.58	41.16
February	5.33	2.33	2.00	1.74	4.96	3.05	2.95	2.21	1.68	6.20	31.45
March	4.16	2.55	1.16	4.49	2.34	1.74	5.50	1.78	1.19	1.88	22.44
April	2.34	1.25	1.45	3.28	1.36	1.74	3.33	2.31	2.50	2.85	22.41
May	2.56	3.20	2.36	1.80	2.50	2.75	3.59	1.00	1.80	2.35	23.91
June	1.10	1.92	2.21	2.85	3.94	2.78	3.18	3.57	6.8	1.88	21.11
July	2.62	2.10	3.00	4.47	2.82	4.73	1.86	1.22	2.35	3.28	28.45
August	3.63	2.71	3.25	3.15	4.00	5.32	5.55	4.54	2.27	6.20	35.72
September	5.4	1.53	3.58	5.65	2.34	5.83	2.15	2.50	1.13	5.10	30.41
October	4.25	2.60	2.17	3.55	5.80	1.79	1.48	1.43	3.64	1.37	28.08
November	3.61	1.52	3.65	6.55	6.2	6.55	3.34	1.35	4.70	4.07	35.96
December	1.26	3.20	2.35	3.65	2.60	2.42	2.92	2.80	4.80	2.11	28.13
TOTALS	35.06	28.14	31.77	41.78	37.13	42.70	35.56	32.45	28.11	36.81	349.23
M	M	M	M	M	M	M	M	M	M	M	

1942 Jan. est'd. by observer.

18.646 Gauge removed for repairs.

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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
1941			Darley	5ml	N.N.W.	Beckwithshaw	2½ml. E.

BRITISH RAINFALL ORGANIZATION

Station No. 3348

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## RAINFALL at Harrogate 10.10 (Ling Cottage) 3

County of West Riding-Yorks

Observer

The Water Engineer

River Basin. River Nidd - 11

Clayo Water Board

Type of Gauge. H.O. 49.0150

Annual Average 33.4 in. based on 14 years obs. un-weighted. Period of average 1881-1915  
" 34.01 " 41 " 1916-57 "

Ref. I.W.S.

File No.

160560726 E 16133/57

Diameter ...	5'		058	44.8								
Height ...	1' 0"				1							
Altitude ...	740' 743'	763'		51								
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means	Total
January	2.84	3.20	.94	2.35	2.21	4.73	2.28	2.91	3.68	5.94	31.08	
February	3.36	.77	3.36	2.64	2.57	2.60	3.20	5.77	.29	3.67	28.23	
March	3.41	1.96	.85	1.93	2.32	1.26	2.68	3.11	1.99	2.48	21.99	
April	1.25	1.36	2.58	.37	1.07	2.97	.38	.80	3.74	1.54	16.06	
May	5.89	2.10	1.93	4.20	2.94	1.06	1.31	4.40	1.06	2.81	25.70	
June	.97	1.70	1.59	1.92	2.33	3.04	2.18	4.46	1.52	2.96	20.67	
July	2.18	1.36	3.10	1.61	1.01	5.80	2.88	3.75	2.21	5.30	29.20	
August	5.77	3.44	4.41	7.17	2.04	6.56	5.42	2.18	.86	2.98	40.83	
September	2.92	4.68	3.30	3.17	1.37	4.77	4.63	3.87	.18	3.54	32.43	
October	1.00	3.66	1.66	4.67	2.48	1.60	3.55	2.28	2.86	6.25	29.91	
November	7.15	2.00	4.07	5.46	2.84	1.11	2.27	.90	4.93	6.18	36.91	
December	4.15	2.12	1.65	4.33	5.34	4.19	3.42	5.90	6.41	4.37	41.88	
TOTALS ...	40.89	28.35	29.44	39.82	28.52	39.59	34.20	40.33	29.73	44.02	354.89	
	M	M	M				M	M	M	M		

4/53 g. open to rainfall. Soil moisture to nearly field at 2000 ft (which country is 763') above 400' NNW.  
1/54 9 Aug. 11.10am 9. in road condition except slight defacement of grass. Open esp. on all sides esp. N & NE. Poor, well-drained

soil with some gravel.

Just 1/59 6.0K. Ordnance map directions. Top well few. N. L. take.

3 feet wall

Position of Station on Ordnance One-Inch map : No. of Map. 96 National Grid Reference 541228521

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Parish Church.	Distance from gauge.
1951			Derby	5m. N.N.W.	Beckwithshaw	2.1pm E

Summary of Earlier Records from 10-year Sheets :

1916-1950, P - Rejected

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
	C 1912	✓	✓	✓	