

# RAINFALL AT *Headley The Hurst*

Lat. ....

Lon. ....

County of *East Surrey*

Rain Gauge, by ....

Observer. *Mr. Lyall*

*5/Thames. Mole.*

*F. C. Bayard Esq.*

Diameter ..					5						
Height ....					1 3						
Altitude ..					450						
Year ....	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..					4.60	1.29	5.26	.89	1.25	1.26	
February .					4.04	.78	2.48	1.75	1.23	.84	
March ....					1.75	3.98	1.54	.99	3.30	4.27	
April .....					1.41	1.85	.39	6.03	2.70	2.29	
May .....					2.75	1.02	1.44	1.92	2.15	1.56	
June .....					1.83	5.48	2.55	1.79	1.87	3.93	
July .....					1.17	.97	.46	1.53	4.20	3.64	
August ....					1.86	2.89	.61	2.43	4.04	2.85	
September..					1.53	2.57	1.79	.58	1.61	4.11	
October....					2.23	1.53	4.40	5.16	2.30	5.62	
November..					1.74	5.03	4.92	2.70	.95	.98	
December..					3.39	.88	1.97	3.92	2.86	4.35	
TOTALS ..					28.30	28.27	27.81	29.69	28.46	35.70	

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RAINFALL at Headley The HurstCounty of SurreyObserver, Mrs. LyallRiver Basin Thames - Mole 5J. Parsons (gen.)

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

Diameter ...	5											
Height .....	1	3										
Altitude ...	420		450	420								
Year .....	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	<del>1930</del> 1930	Means
January ...	3.07	2.22	4.14	1.60	2.77	2.36	3.82	2.37	4.12	2.00	4.02	2.95
February ...	.71	.29	2.65	4.78	.73	4.19	2.70	4.90	1.65	.42	.95	2.18
March .....	2.15	1.62	2.23	2.22	1.27	.90	.33	3.72	2.61	.14	<del>2.30</del> 1.94	1.74
April.....	3.47	1.16	3.16	2.22	3.88	2.96	3.63	2.24	1.84	.95	1.80	2.49
May .....	.71	1.78	.86	2.79	3.76	2.21	1.38	1.23	2.24	1.95	2.72	1.97
June .....	1.90	.10	1.38	.37	2.80	.17	4.64	4.36	2.53	1.88	.55	1.83
July .....	4.98	.79	4.60	3.44	3.69	3.49	1.81	3.47	1.80	1.50	2.46	2.91
August .....	1.48	1.89	2.73	2.65	2.76	2.36	1.84	4.41	2.90	1.77	4.00	2.62
September...	3.10	1.17	1.81	1.46	3.59	2.92	.82	5.81	1.03	.17	4.31	2.38
October.....	1.35	.79	1.20	6.62	4.17	3.39	2.68	1.70	5.90	3.93	1.47	3.02
November...	1.99	1.65	1.97	1.92	3.88	3.17	6.69	3.08	2.61	7.55	4.97	3.59
December...	2.85	1.52	4.50	2.93	4.77	3.11	.41	5.61	2.43	7.25	2.36	3.46
TOTALS...	27.76	14.99	31.23	33.00	38.07	31.23	30.75	42.90	32.02	29.01	<del>31.91</del> 31.55	31.14

1920 Bushes. 20 ft high 12 to 32 S.W. &amp; N.E.

1926 Bushes, Hedge &amp; Border 15 ft high 12 to 15 ft S. &amp; E.

1930. Bushes 15' x 20' 10' 15' 20' 60' distant - surrounding gauge.

G. read in winter 9 a.m.

" " Summer 8 B.S.T.

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	Parish Church.	Distance from gauge	Direction
1920			Yadworth	2 mi	E.	Headley	1 mi	S.

RAINFALL at Headley (The Hurst)County of SurreyObserver Mrs. LyallRiver Basin Thames - Mole 4.5Type of Gauge HowardAnnual Average 30.6 in. based on 35 years obs. ~~un~~-weighted. Period of average 1881-1915. Ref. T.M.S.

741494/27

Diameter	5											
Height	1	3										
Altitude	420											
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means	
January	1.73	3.40	2.38	2.28	1.36	5.88	5.83	2.26	5.85	2.57	3414	
February	1.96	4.46	2.47	4.3	3.45	2.28	4.27	8.9	1.78	2.10	2039	
March	4.5	1.78	3.49	2.70	6.5	1.90	4.18	4.4	1.61	3.80	2100	
April	4.75	2.70	7.7	3.08	3.49	2.12	3.29	2.3	3.40	2.79	2662	
May	2.56	4.39	3.35	7.8	1.87	4.6	2.48	2.18	1.50	2.21	2178	
June	1.66	1.64	1.78	1.75	3.66	3.33	1.91	5.2	2.21	5.3	1899	
July	3.37	2.72	1.90	2.19	1.07	4.84	1.05	2.09	3.13	2.47	2483	
August	4.48	5.5	9.8	1.93	2.28	1.02	1.52	2.61	2.17	0.6	1760	
September	2.87	2.15	2.96 1.75 2.21	1.88	4.10	2.71	1.90	2.22	1.46	2.27	2452	
October	6.66	6.74	2.39	2.23	3.36	2.29	2.97	2.98	6.29	3.21	3294	
November	3.46	1.53	1.43	3.28	6.81	4.31	2.03	4.20	4.11	8.41	3967	
December	6.4	9.2	6.8	8.03	4.23	3.14	4.88	4.26	1.53	1.55	2986	
TOTALS	28.59	28.98	24.40 25.70	30.56	36.33	34.28	36.61	25.58	35.04	31.97	31234	K1

1931. Hedge 12' high, 20 yds. S.  
 Bushes 10' " 15. " E.  
 Tree 30' " 30. " N.

1934 Shrub: 12' High S'S 12' high 6'E 8' High 12' N 6' High 20' W

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
19 31. 37			Walton-on-Hill Tadworth	2 m. 2 m.	N. E E	Headley "	1 m. 1 m.	S.S. E. S.

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

## RAINFALL at Headley (The Hurst)

41

County of Surrey

Observer Mrs. Dycall

River Basin Thames-Mole &amp;c. 5

Type of Gauge Howard

Annual Average 30.6 in. based on 35 years obs. un-weighted. Period of average 1881-1915 Ref. I.W.S.

File No. 741494/27

Diameter	5"			285	683							
Height	1' 2"		1 0		1							
Altitude	420'				41							
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means	
January	2.70	3.44	6.32	2.06	2.12	2.30	2.24	4.55	1.38	1.03	28.14	
February	8.00	.84	1.77	1.21	1.56	3.03	1.87	2.00	1.33	5.13	21.74	
March	4.48	2.42	.50	.17	1.49	1.31	5.97	.82	1.26	1.31	19.73	
April	2.31	1.85	1.29	1.93	1.32	2.58	1.93	2.14	2.12	4.14	21.61	
May	1.98	3.89	2.93	.85	2.22	2.43	1.72	2.31	2.37	1.76	22.46	
June	2.85	.15	2.39	2.29	2.37	2.56	2.83	2.84	.99	1.43	20.70	
July	4.48	2.61	1.72	2.08	3.97	1.89	1.69	1.80	.53	4.07	24.79	
August	4.46	3.37	1.96	2.72	1.95	5.69	.43	4.56	1.61	3.17	29.92	
September	.41	2.26	2.53	3.65	2.45	3.50	1.51	2.07	.50	3.12	28.00	
October	1.45	3.89	4.13	4.33	3.93	1.51	.30	2.34	7.24	.58	29.70	
November	3.76	2.43	1.84	4.34	.26	5.30	1.23	1.78	3.54	6.46	30.94	
December	1.25	3.31	2.24	2.88	4.06	3.59	3.05	4.10	1.68	2.45	28.61	
TOTALS	33.08	30.46	29.62	28.51	27.70	35.69	24.77	31.31	24.55	34.65	300.34	✓

1941. Shrub 10'-20' high 5'-15'-20' N.S. &amp; E.

T. 1956 (Feb)

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.
1941			Tadworth	1 3/4 miles	E	Headley	1 mile	S

BRITISH RAINFALL ORGANIZATION



Station No. 128

RAINFALL at HEADLEY (The Hurst)

51

County of Surrey

Observer Mr. Lyall 31. VI. 53

River Basin S. Thames R. &amp; S.

Miss P. J. Lyall (1953)

Type of Gauge Howard

Annual Average 30.6 in. based on 35 years obs. un-weighted. Period of average 1881-1915 Ref. 1.45

File No. 7A1294/37

Diameter ...	5"			285	683						
Height ...	1' 0"				1						
Altitude ...	420'				51						
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...	3.80	2.36	1.40	1.53	3.50	4.60					
February ...	7.76	.79	1.53	2.74	2.09	.48					
March ...	4.05	3.88	.52	2.61	1.64						
April ...	3.42	1.42	2.69	.35	.32						
May ...	2.45	1.83	1.78	2.80	4.84						
June ...	1.12	1.71	1.95	4.06	2.21						
July ...	2.49	.86	3.39	3.35	1.01						
August ...	4.19	4.15	1.74	3.40	1.28						
September ...	2.93	3.19	3.69	2.22	1.92						
October ...	1.26	3.55	4.27	2.67	3.50						
November ...	8.15	3.75	1.73	5.88	1.38						
December ...	2.90	3.13	.74	2.26	3.08						
TOTALS ...	44.52	30.62	25.46	33.87	26.71						
	D	D	D	D	D	np					

1956 Jan. &amp; Feb. only:

Position of Station on Ordnance One-Inch map :

No. of Map.....

National Grid Reference (64) 300 114

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance from gauge.	Direction
1941			Tadworth	1 3/4 m.	E.	Headley	1 m.	S.

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
	✓	✓	✓	✓	
	✓	✓ bur d 25.27	✓ bur d 31.22, 40	✓ bur d 1.46	