

River Hill Seven Oaks

J T Rogers Esq

8 in barilla 69

4' 6 69

4 + Ground 9 ft 1-3 68 + Sea Level 520 ft

2 - midway.

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -		.32	2.09	2.80	.76	3.60	4.57	3.13	4.30	2.94	
February - -		2.27	.59	1.05	.97	2.01	4.33	1.48	.98	3.29	
March - - -		2.01	3.89	.51	3.11	1.43	1.56	2.88	1.97	2.99	
April - - -		.42	1.98	.41	.82	.36	2.44	1.16	1.94	1.44	
May - - -		(13)	2.87	1.99	1.64	3.49	1.65	1.57	.86	3.60	
June - - -		1.47	2.62	4.66	1.15	1.15	2.46	1.82	.31	1.49	
July - - -		2.76	1.82	.81	.56	2.95	2.14	3.29	1.72	.39	
August - - -		.87	2.80	2.10	1.26	4.16	2.46	2.36	3.79	1.31	
September -		1.86	2.12	4.10	2.51	.00	7.30	1.92	1.99	4.65	
October - -		1.04	5.64	2.26	.85	6.79	1.62	3.24	2.82	2.81	
November -		5.23	.99	2.40	3.78	2.70	2.33	.52	1.71	2.97	
December -		1.84	1.91	1.86	1.01	.97	2.02	3.08	6.13	3.66	
TOTALS -		20.22	29.31	24.95	18.42	29.69	34.98	26.45	28.52	31.54	

✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓

Gauge on coping of low well in centre of large kitchen garden

RAINFALL AT *Seven Oaks River Hill*

Lat.....

Lon.....

County of... *Kent*

Rain Gauge, by.....

Observer

*J. I. Rogers Esq.**St. Mary's*

Diameter .....	8										
Height .....	3.6	4		3.6	4						
Altitude .....	526	530		535 <sup>π</sup>	530	525 <sup>π</sup>					
YEAR .....	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.
January.....	1.55	3.08	4.89	3.18	1.18	3.55	1.27	6.08	1.63	2.57	2.898
February.....	1.18	1.57	1.51	2.07	1.54	1.05	3.20	2.16	1.61	3.45	1.934
March.....	2.15	1.57	2.46	1.83	.76	.72	3.29	2.76	1.61	1.01	1.816
April.....	.43	3.44	1.26	.74	1.61	1.18	1.86	2.99	4.56	2.85	2.092
May.....	1.15	.91	3.79	1.88	.57	1.17	1.05	2.36	3.43	3.05	1.936
June.....	.52	3.01	2.76	2.67	3.40	3.74	1.32	.81	2.51	3.52	2.426
July.....	1.59	3.50	2.66	2.03	2.70	5.14	.48	2.46	1.39	3.47	2.542
August.....	2.35	1.58	2.19	2.74	1.98	1.57	2.66	2.80	3.99	4.53	2.639
September.....	2.18 <sup>+</sup>	4.10	2.07	2.25	3.10	1.39	3.87	.86	1.58	2.55	2.395
October.....	5.29	1.47	4.81	3.53	4.27	4.34	.88	2.49	2.45	1.56	3.109
November.....	1.84	.93	5.60	2.24	2.34	4.48	2.67	6.04	4.57	1.46	3.217
December.....	4.31	2.07	4.61	.55	2.41	1.18	6.30	2.54	1.84	1.04	2.685
TOTALS.....	24.54	27.23	38.61	25.71	25.86	29.51	28.85	34.35	31.17	31.06	29.689

1871 July 9<sup>th</sup> 1.56 - full without wind ✓

2 gauges one 8 in & one 4 in - average of the two taken  
 G. placed on wall of low terrace in upper part of  
 kitchen garden sloping to the South a thoroughly  
 exposed situation but sheltered from N+E by a  
 hill 50 yards distant.

# RAINFALL AT *River Hill, Sevenoaks*

80

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

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

County of *Kent*

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

Observer *J. H. Rogers, Esq.*

*4 - Med. say.*  
~~5 - Darnest.~~

Diameter ....	8										
Height .....	4. 0							3. 6			
Altitude .....	235 $\pi$										
Year .....	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January ....	2.26	2.04	1.10	1.67	3.01	2.21	3.48	1.86	.84	1.11	1.758
February ....	2.28	2.60	1.59	3.48	1.75	2.59	.43	.51	1.51	2.50	1.924
March .....	.50	2.07	1.00	.92	1.71	1.48	1.45	1.46	3.21	1.82	1.568
April .....	1.85	4.4	2.48	1.42	1.34	2.03	1.59	1.78	1.71	2.55	1.719
May .....	.17	1.08	.92	2.37	.50	3.49	3.67	1.80	.99	3.26	1.825
June .....	1.97	1.97	3.31	1.22	1.26	1.13	.72	1.08	5.03	1.35	1.903
July .....	3.49	.91	2.60	2.50	1.83	.14	2.07	.72	6.74	2.20	2.320
August .....	1.22	3.63	1.31	.63	1.35	.86	2.30	2.49	1.42	1.91	1.712
September ....	4.15	2.71	2.95	2.72	4.12	4.56	2.71	2.58	1.54	1.63	2.967
October .....	6.98	3.08	5.81	1.95	1.35	3.62	2.77	1.50	1.59	5.51	3.416
November ....	2.91	3.70	2.94	3.65	.99	3.42	3.27	4.30	4.59	1.11	3.088
December ....	3.45	2.84	2.43	1.05	3.06	1.12	4.30	1.77	1.47	1.92	2.341
TOTALS ....	29.23	27.07	28.50	23.58	22.26	26.65	28.76	21.85	30.64	26.87	26.541

1889

Sevenoaks Wealds Church 1 mile W.S.W.



# RAINFALL AT Seven Oaks River Hill

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

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

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

Kent

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

Observer \_\_\_\_\_

J. J. Rogers Esq

S. Damsel

Diameter ....	8											
Height .....	3.6		4.6				4.0					
Altitude ....	535 A			530					535			
Year .....	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.	
January ....	2.94	2.78	.64	1.78	4.15	2.21	1.38	2.34	.59	3.05	2.189	
February ....	.92	.03	1.65	3.34	1.40	(.50)	.80	2.65	1.14	2.28	1.471	
March .....	2.61	2.38	1.48	.38	1.16	(1.84)	4.25	2.57	3.80	2.11	1.00	1.933
April .....	2.60	.57	1.08	.00	2.09	(1.91)	.95	1.97	.99	2.98	1.514	
May .....	1.87	3.27	.94	.54	1.53	.11	.27	1.49	3.38	1.33	1.473	
June .....	3.50	1.85	3.84	.98	2.16	.26	5.24	1.74	1.54	2.05	2.316	
July .....	3.97	3.86	2.27	3.05	4.31	(3.90)	1.21	.83	.45	1.59	2.544	
August .....	3.52	3.48	3.55	.89	1.82	(2.10)	2.15	2.87	1.34	.97	2.269	
September....	.98	.98	2.17	1.75	3.39	.32	5.64	2.83	.64	2.41	2.111	
October .....	1.35	6.46	4.30	2.75	3.38	2.40	4.35	.41	2.71	2.50	3.064	
November....	2.45	2.31	2.93	2.09	4.27	5.59	1.60	1.30	2.25	4.27	2.906	
December ....	.52	3.67	2.22	2.60	1.78	3.24	3.50	3.11	2.15	1.56	2.435	
TOTALS ..	27.23	31.64	27.07	20.15	31.47	24.38	27.66	25.34	19.29	26.02	21.225	

Gauge on a low parapet wall the ground on the N side being only a few inches below the base of the gauge. while on S side the rim of the gauge is 5 ft above ground. It has always been in this position.

1895 July + Aug estimated

# RAINFALL AT *Seven Oaks River Hill*

Lat.

Lon.

County of

*Kent West*

glass tested:

(sic)  
Shannon Rain Gauge, by  
dia 80, 80.7.95

Observer *Mr T. H. Usher*

*Lt Col Major J. M. Rogers R.S.O.*

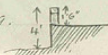
Diameter ..	8										
Height ....	4 0										
Altitude ..	535										
Year ....	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..	3.24	.73	.83	2.20	3.74	1.10	4.35	1.08	1.82	.99	2.008
February ..	4.57	1.48	1.37	1.41	3.03	.82	2.13	1.39	1.21	.60	1.801
March ....	1.04	2.44	1.64	2.13	1.47	3.07	1.70	1.11	2.58	(3.73)	2.091
April .....	.83	1.90	.49	2.38	.95	2.49	1.14	2.71	2.97	1.75	1.761
May .....	1.48	.85	3.02	1.85	2.37	.98	1.52	1.80	1.66	1.65	1.718
June .....	3.03	1.44	3.54	5.25	1.11	4.96	2.34	1.98	2.20	2.98	2.883
July .....	.87	2.12	1.82	5.07	1.33	1.93	.58	1.04	3.83	3.27	2.186
August ....	2.14	1.85	2.65	3.87	1.84	2.37	.83	2.28	3.74	2.43	2.400
September ..	1.21	1.42	.78	2.42	1.58	2.21	1.66	.70	1.24	3.71	1.693
October ....	1.94	2.93	3.41	6.02	2.26	1.56	4.85	4.12	2.16	4.99	3.424
November ..	3.29	.71	1.58	2.38	1.57	3.85	5.67	2.23	1.06	1.15	2.349
December ..	2.98	3.95	1.76	2.02	2.90	.63	2.19	2.50	2.72	4.11	2.576
TOTALS ..	26.62	21.82	22.89	37.00	24.15	25.97	28.96	22.94	27.19	(31.36)	24.865

1904 *Sevenoaks Church*  $2\frac{1}{2}$  miles N.W.

Station  $2\frac{1}{2}$  " N.W.

1909. Corrected VIII. 1913.

† Inspected 9.11.02 H.R.M. clear all round. on edge of terrace in garden sloping S. no objects near. Obs. to move g. 4' to other side of path clear of little tree.



RAINFALL at Severn Oaks River HillCounty of KentObserver Lt Col Jm. Rogers D.L.O.River Basin Medway 14

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

Diameter ...	8											in
Height .....	4.0							3.6				110.8
Altitude ...	535 ft											in
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.	Sum
January ...	2.54	1.45	2.50	3.57	.81	3.13	1.47	1.54	2.95	3.85	10.80	9.91
February ...	3.66	1.58	1.90	.87	3.39	4.00	4.71	1.00	1.32	2.29	10.30	9.32
March .....	1.59	2.60	3.95	(2.70)	4.67	.66	4.13	1.97	.96	3.82	12.00	10.88
April .....	1.91	2.56	.10	2.90	1.18	1.57	1.57	2.20	3.23	2.84	10.90	9.84
May .....	2.94	1.51	1.07	2.11	1.35	3.27	3.08	2.26	2.48	.07	8.80	7.89
June .....	2.18	2.17	2.74	.51	.62	.66	3.19	3.03	.88	.88	8.80	7.98
July .....	3.15	.56	1.42	2.98	1.68	3.20	1.29	3.87	5.50	2.39	14.50	13.05
August .....	2.19	.62	5.42	1.79	1.56	2.62	2.67	5.41	1.72	2.39	13.40	13.19
September ..	.84	1.50	3.00	1.66	.94	2.32	1.14	1.89	5.56	1.32	11.00	9.91
October ...	2.33	4.29	3.39	4.89	1.68	2.33	4.05	4.69	2.17	.83	13.00	11.74
November ..	3.58	6.05	2.19	3.50	3.59	3.06	4.56	1.82	2.16	2.45	12.20	10.99
December ...	3.57	5.33	2.86	1.29	7.11	6.43	2.99	2.67	2.58	4.21	13.70	12.35
TOTALS ...	30.48	30.23	30.54	(25.77)	28.58	33.15	34.75	32.35	31.51	27.34	139.40	125.97
	2	2	2	2	2	2	2	2	2	2	2	2

1910 Aug 30 Gauge moved 50 yds NW  
 Last 12 ft high 12 yds W  
 1913 Mar 16 8 blown over and estimated for 1 mile N-50

+ Inspected

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
1910	51.14.43	0.12.46	Severn Oaks	1 1/2 m	NW	Severn Oaks	1 m	NW



RAINFALL at Suenoaks River HillCounty of HertObserver Lt. Col. J. M. Rogers D.S.O.River Basin Medway H.Shawdon

Rain Gauge, by

(New Gauge)

Diameter											
Height	61.9	1920	100.7	108							
Altitude	-28										
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930
January		2480		2750						120	3.34
February		2053		2250						54	1.49
March		1556		1700						05	1.74
April		2395		2650						109	1.59
May		1693		1900						191	2.48
June		1744		1950						109	1.77
July		2360		2600						140	1.83
August		2166		2400						389	3.48
September		2223		2450						48	4.03
October		2591		2900						327	1.58
November		2494		2750						761	5.76
December		2705		3000						631	2.35
TOTALS		26460		29300						2884	30.44

1929 Two gauge at 1 ft. catches 10% more than one at 2 ft., which has, however, a fairly  
 seam. see Enc. 18A of 380702/28.

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	51° 15'	0° 13' E	Suenoaks	1 1/2 miles	NW	Suenoaks	1 mile	NW.

RAINFALL at Sevenoaks (River Hill) oldCounty of KentObserver Lt. Col. J. M. Rogers, D.S.O.River Basin Medway H.

Type of Gauge .....

Annual Average 27.1 in. based on 35 years obs. un-weighted. Period of average 1881-1915 Ref. B. of N.

580702/28

Diameter .....	8										
Height .....	16										
Altitude .....	500										
Year .....	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January .....	187	263									
February .....	235	102									
March .....	142	189									
April .....	438	278									
May .....	242	466									
June .....	131	98									
July .....	310	200									
August .....	443	84									
September .....	220										
October .....	75										
November .....	360										
December .....	444										
TOTALS .....	2757	N.O.									

? T.  
 Note - Copied in error.  
 T. incl 24A on file.

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



RAINFALL at Sevenoaks (River Hill) 1932County of KentObserver Lt Col. J. M. Rogers, D.S.O.River Basin Medway HType of Gauge General 26 in. steel fileAnnual Average 30.0 in. based on 26 years observations. Period of average 1881 - 1915 Ref. 580702/25

Diameter	5	6										
Height	10				1' 6"		2' 0"	1' 0"		1' 6"		
Altitude	500											
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Totals	Means
January	2.13	2.63	1.92	2.69	1.39	4.98	5.88	3.56	5.01	2.56	32.75	
February	2.60	1.02	1.94	.31	4.27	1.89	5.08	1.19	1.59	2.15	22.04	
March	.45	1.89	3.23	2.69	.52	1.18	3.85	.59	1.62	3.02	19.04	
April	4.76	2.78	.71	2.11	3.45	2.19	2.92	.66	2.67	1.92	24.17	
May	2.70	4.65	2.49	.80	1.85	.30	2.73	2.84	1.59	1.73	21.68	
June	1.45	.98	1.74	2.06	2.60	3.02	2.37	.80	.75	.32	16.09	
July	3.52	3.00	1.72	1.16	1.08	3.39	1.25	1.80	1.91	4.29	23.12	
August	5.08	.84	.85	2.29	2.78	.81	4.62	1.77	3.17	.06	23.27	
September	2.59	2.26	3.30	1.55	5.03	2.42	2.09	2.21	1.58	1.38	24.41	
October	.96	6.44	2.38	2.62	4.20	2.02	1.99	3.40	7.76	3.65	35.42	
November	4.00	1.24	1.32	2.97	6.26	4.83	1.54	2.96	6.17	7.42	38.71	
December	.56	.48	.74	6.71	3.75	2.80	4.79	3.58	1.55	2.10	27.06	
TOTALS	30.80	28.21	22.34	27.96	38.18	29.83	39.11	25.36	35.37	50.60	307.76	

Nothing near gauge. Site selected by Dr. Glasspool.

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
1932.			Sevenoaks.	2½m	N.W.	Weald	1m	W'S.



Station No. 355RAINFALL at SEVENOAKS (RIVER HILL)

51

County of KENT Observer MAJOR D. M. ROGERSRiver Basin MIDWAY - HType of Gauge M.O.Annual Average 30.0 in. based on years obs. unweighted. Period of average 1881-1915 Ref See encl. 26A in Station fileFile No. 880702/28

Diameter ...	5"					294	520				
Height ...	1' 0"						1				
Altitude ...	500'	152m					51				
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...	3.59	2.78	1.58	1.92							
February ...	6.69	1.06	1.85	2.73							
March ...	3.94	3.93	4.7	2.79							
April ...	2.84	3.28	3.16	4.6							
May ...	2.39	1.07	1.89	2.60							
June ...	1.64	1.37	1.95	3.75							
July ...	2.76	.78	3.28	3.20							
August ...	6.37	4.20	1.64	3.23							
September ...	3.74	3.30	3.91	2.32							
October ...	1.20	2.54	3.52	2.66							
November ...	5.30	4.47	1.75	4.32							
December ...	2.70	3.27	1.14	2.08							
TOTALS ...	43.16	32.05	26.14	32.06							
	d	d	d	d							

1. 24.6.59 No response to annual request on 2nd Appo. since 1955

Position of Station on Ordnance One-Inch map : No. of Map ..... National Grid Reference 7451563520

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 - Rejected

Record D, or d	1910-19	1920-29	1931-40	1941-50	1951-60
	✓	✓ c 1929	✓	✓	
	✓	✓	✓ buld 21, 35, 36	✓ buld 45	
		✓	✓ buld 27	✓ buld 47-49	