

RAINFALL at Hornchurch

County of Essex

Observer W. J. Green Esq.

River Basin Thames, Roding &c D.

Rain Gauge, by N+3
R. 122

Diameter ...		8										
Height		19										
Altitude ...		46 m										
Year ...	1910,	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.	
January ...		(2.89)	2.55	.58	3.88	.89	(1.10)	2.53	2.88	740		
February ...		1.32	.59	2.01	2.45	2.78	(60)	.84	2.37	659		
March		2.22	1.71	4.04	1.14	3.30	(1.30)	.84	2.63	807		
April66	2.12	1.24	1.11	.99	(1.30)	2.59	2.78	766		
May96	1.35	1.97	2.44	1.61	(2.90)	1.74	.30	655		
June.....		2.57	.43	1.49	.82	2.09	(1.90)	1.30	1.46	575		
July		1.47	2.66	1.46	1.10	1.02	(4.80)	6.14	1.86	1382		
August		3.51	1.44	.77	3.83	3.17	(4.00)	1.25	2.02	1044		
September ..		2.07	1.13	.64	2.24	.99	(1.30)	4.19	.97	745		
October ...		1.69	3.18	1.10	1.59	2.73	(2.60)	1.34	.63	730		
November ..		1.33	2.54	2.18	2.32	3.79	(1.30)	1.93	1.37	839		
December ...		2.39	.74	5.96	4.67	2.33	(1.00)	1.74	3.10	817		
TOTALS ...		(22.48)	20.44	23.44	30.59	25.69	238.0	N.R.	26.43	22.37	9759	

1913 Earth Bank 3 ft high 47 ft E

1
on ref Romford Harold Ward

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
51° 23'.30	0° 11'.20 E	51° 23'.20	Romford GER	1950 yds	N	St Andrews	2950 yds	E

RAINFALL at Hornchurch.

County of Essex.

Observer W. J. Grant Esq.

River Basin Thames Roding &c S

1926 F. Alderson Esq.

Copper Micro Rain Gauge, by No 3.

Surveyor Hornchurch UDC.

Diameter ...	8										
Height	9								16		
Altitude ..	46										
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930
January ...	2.11	1.68	2.43	9.37	2.44	1.55	1.81	1.14	2.83	.95	2.01
February38	.15	1.59	2.55	.58	2.23	2.68	2.82	1.27	.36	.53
March	1.13	.95	1.08	1.76	.59	.79	.13	1.95	1.99	.03	1.34
April	2.41	1.29	2.29	1.24	2.43	1.29	4.30	1.77	1.27	1.07	1.33
May76	.85	.66	1.68	3.89	1.49	.70	1.16	1.76	1.23	2.68
June	1.63	.23	.93	.48	2.47	.19	3.21	2.20	2.04	.84	.51
July	2.82	.16	2.72	1.34	2.83	2.86	2.06	2.86	1.55	1.73	2.09
August	1.66	1.02	1.92	1.62	1.90	2.07	1.15	3.60	2.84	1.83	3.29
September...	2.81	1.62	2.19	1.19	2.97	2.06	1.42	4.27	.51	.11	2.29
October.....	1.02	.78	1.14	4.02	3.26	2.33	2.32	1.03	3.33	2.79	1.13
November...	.43	1.78	1.24	1.66	2.74	1.07	3.83	2.07	1.81	4.53	3.38
December...	1.58	1.01	2.18	1.83	2.47	2.31	.49	2.64	2.60	3.60	1.68
TOTALS...	19.04	11.52	20.37	20.32	28.87	20.24	24.10	27.51	23.80	19.07	22.26
	D	D	D	D	D	D	D	D	D	D	D

1920. Elevation 340 ft. 47 fm. W.E.

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

Date.	Lat. N.	Long. E	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge	Direction from gauge
1920.	51° 33' 30" N	00° 11' 20" E	Romford	1950 yds	N.	St Andrews Hornchurch	2950 yds	E

RAINFALL at Hornchurch.

County of Essex.

Observer Hornchurch U.D.C.

River Basin Thames - Redding etc - 2.

Type of Gauge.

Annual Average in. based on years obs. un-weighted. Period of average.

Ref.

21.0 in. computed by Mr. Cornish (1928) Ref. 561245/36

745172/27

Diameter	8.									8
Height	1.6					1.3				1.6
Altitude	44.					95				44
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940 Means
January	1.20	1.24	.93	1.08	1.07	3.18	3.17	2.15	4.58	2.08 2068
February	1.65	1.18	.95	.89	1.83	1.27	3.79	.58	.81	1.43 1258
March	.20	1.34	1.46	1.98	1.44	1.10	2.70	.49	1.47	3.04 1422
April	3.49	1.63	.84	2.22	2.73	1.22	2.42	.20	2.40	2.16 1901
May	2.44	2.71	1.81	.48	1.21	.45	2.84	1.52	1.48	1.59 1653
June	1.18	.81	3.17	1.02	2.84	(3.20)	2.09	.52	1.08	.31 1622
July	2.67	1.95	2.61	.79	.97	(4.10)	1.97	1.29	2.01	4.03 2339
August	3.64	1.70	.48	1.89	1.79	.38	.80	2.41	2.80	.08 1667
September	1.22	1.79	2.04	1.11	1.99	2.87	1.16	2.27	.98	1.33 1646
October	.71	4.70	1.36	1.23	1.91	1.37	1.73	2.50	2.04	2.38 2393
November	2.07	.69	1.03	1.56	3.30	3.27	1.58	2.43	2.84	5.91 2529
December	.57	.41	.41	4.06	2.21	1.75	3.52	(2.57)	1.17	1.19 1786
TOTALS	21.04	19.15	16.79	17.51	22.29	wt.	27.77	18.93	29.91	25.59 22284

1931. No objects near gauge

1936. Gauge moved August 6850 ft. + 15 mi. E.N.E.

1937 Hedge 7' 6" high, 60 ft. S.

Walls 6' " " N.W.

Fence 15' " " N.E.

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			Romford	1 mile	NNW	Romford	2,500 yds	NNW
1937			Hornchurch	1 mi.	S.	Hornchurch	3/4 mi	S.E.

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

Station No. 1260

M

RAINFALL at Hornchurch

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County of Essex

Observer Hornchurch U.D.C.

River Basin Thames - Roding W.C.

Type of Gauge Showdow

Annual Average in. based on years obs. un-weighted. Period of average Ref.

21.0 in computed by Mr Cornish (1938) ref. 561245/36 File No. 745172/7

Diameter	8"			238	055				8"		
Height	1' 0"								1' 0"		
Altitude	44'										topo. 6.
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	2.47	1.79	4.38	1.15	1.74	1.25	1.60	3.01	.84	1.61	19.84
February	1.41	1.09	1.38	.94	1.31	2.13	1.15	1.32	.59	2.77	14.09
March	2.70	2.51	.33	.17	1.08	.99	4.79	.40	.79	.50	14.26
April	1.51	.63	1.56	1.47	.89	1.37	1.22	1.60	1.27	2.27	13.79
May	1.24	2.48	1.38	.54	2.49	2.75	.67	1.93	1.67	1.25	16.40
June	.73	.39	1.66	2.39	1.50	2.12	2.19	2.32	1.03	1.37	15.64
July	3.89	1.45	1.54	1.95	3.52	1.36	2.70	.89	1.56	3.14	22.00
August	3.82	2.10	1.18	3.21	1.28	3.61	.06	4.13	1.31	1.36	22.06
September	.47	1.42	1.88	3.51	.93	2.15	1.36	1.08	1.37	2.44	16.61
October	.95	3.33	1.91	3.00	1.73	1.13	.18	1.79	4.96	.33	19.30
November	2.47	2.14	1.42	3.25	.17	2.15	.85	1.74	2.06	4.28	20.53
December	1.66	1.95	1.53	1.23	2.55	1.99	2.03	1.74	1.34	1.51	17.53
TOTALS	23.32	21.22	20.15	22.81	19.19	23.00	18.80	21.95	18.76	22.83	212.05

1941. Hedge 7' 6" high 60° S. Fence 15' 0" high 66° E.
 Wall. 9' 0" .. 70° N. Hedge 6' 0" .. 200° W.

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
1941			Hornchurch R.M.S.	1 mds.	S.	Hornchurch	3/4 mds.	S.E.

BRITISH RAINFALL ORGANIZATION

RAINFALL at Hornchurch

County of Essex

Observer Hornchurch U.D.C.

River Basin Thames-Roding & 2

Type of Gauge Snowdon

Annual Average in. based on years obs. un-weighted. Period of average

Ref.

" 21.0 in. computed by Mr. Cornish (1938) ref. 561245/36 File No. 745172/27

Diameter	25.98"	based on 35 yrs 1916-1950	Point of av.	1916-1950	8"	P-					
Height	8"	238.055									
Altitude	1' 0"			1' 4"							
Year	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January	2.15	1.56	1.08	.88	2.44	3.12	1.26	1.37	1.64	1.49	16.99
February	5.58	2.4	1.62	2.25	1.45	3.30	2.55	2.24	.07	1.42	18.32
March	2.83	3.05	.49	1.83	1.07	.85	1.31	1.10	1.35	.84	14.72
April	2.59	1.05	2.20	.44	.28	1.26	.24	1.62	1.96	.31	11.95
May	2.33	.86	1.26	1.81	3.51	.51	.93	1.92	.95	1.93	16.01
June	.77	1.89	1.78	2.88	2.30	1.47	.86	4.99	.77	1.66	19.31
July	1.62	.51	3.22	2.64	.09	2.57	3.41	2.00	.83	2.48	19.31
August	2.84	1.97	1.74	3.06	.50	3.63	1.82	4.74	1.22	2.82	20.24
September	3.88	2.76	2.22	1.86	2.20	2.05	1.86	4.77	.03	3.92	25.55
October	.57	2.41	3.87	1.65	2.42	1.05	1.49	2.18	1.73	4.88	22.25
November	3.83	4.09	.91	3.23	.62	.60	2.19	1.83	2.70	2.93	22.93
December	1.85	2.22	.92	1.12	1.30	2.34	1.53	2.64	3.10	2.10	19.12
TOTALS	30.84	23.21	21.31	23.65	18.18	19.65	19.45	31.40	16.35	26.78	230.82
	D	D	D	D	D	D	D	D	D	D	

1954 Hedge 7'6" @ 60°S. Wall 9' @ 70°N. Fence 15' @ 66°E Hedge 6' @ 200' W.
 Hst FEB 11:8. g. wood to fence site 6-7 yrs ago. fence site Building 60°70' N.E. Tree 50°70' W. tree 25,3
 fence site also good. Recommended replacement in original area as old site now occupied by tree.
 Contact g. 8' fence 5' tree. New g. recommended

(Gauge is sited at Hornchurch Gdns.)

Position of Station on Ordnance One-Inch map:

No. of Map 161

National Grid Reference T.R. 537875

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Parish Church.	Distance from gauge.
1954			Hornchurch	1m S	Hornchurch	3/4m S.E.

Summary of Earlier Records from 10-year Sheets:

1916-1950, P - accepted

Record D, or d		1910-19	1920-30	1931-40	1941-50	1951-60
		C1912 NR 17 ✓		✓	✓	

Station No. 1260

M

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RAINFALL at Hornchurch

County of Essex

Observer Hornchurch U.D.C.?

River Basin Thames - Roofing & C-2

Type of Gauge Snowdon

Annual Average... in. based on... years obs. un-weighted. Period of average...

Ref.

" 21.0 in. computed by Mr. Cornish (1938) ref 561245/36

File No. 745172/27

Diameter	21.982 8	based on 95/35 14:0 - 1950		Period of av.	1950/51 8	1950						Ref. P.
Height	1' 0"						1' 4"					
Altitude	441											
Year	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means	
January	2.15	1.56	1.08	.88	2.44	3.12	1.26	1.37	1.64	1.49		
February	5.58	6.6	1.62	2.25	1.45	3.30	2.55	2.24	.07	1.42		
March	2.2	3.05	.49	1.83	1.07	1.85	1.31	1.10	1.35	.84		
April	2.59	1.05	2.20	.44	.28	1.26	.24	1.02	1.46	.31		
May	2.33	.86	1.26	1.81	3.51	.51	.93	1.12	.95	1.93		
June	1.1	1.89	1.78	2.88	2.30	1.47	.86	1.99	.77	1.66		
July	1.62	.51	3.22	2.64	.09	2.57	3.41	2.00	.83	2.48		
August	2.64	1.91	1.74	3.06	.50	3.63	1.84	4.74	1.22	2.22		
September	3.88	2.76	2.22	1.86	2.20	2.05	1.86	4.77	.03	3.92		
October	.51	2.41	3.87	1.65	2.42	1.05	1.49	2.18	1.73	4.88		
November	3.83	4.03	.91	3.23	.62	.60	2.19	1.83	2.70	2.93		
December	1.85	2.22	.92	1.12	1.30	2.34	1.53	2.04	3.10	2.10		
TOTALS	30.94	23.21	21.31	23.65	18.18	19.65	19.45	31.40	16.35	26.78		
				D	D	D	D	D	D	D		

1954. Hedge 7'6" @ 60° S. Wall 9' @ 70° N. Tree 15' @ 66° E Hedge 6' @ 200° W,
 1888 866.1158. A move to present site 6-7 yrs. ago. Present site Building 60°, 70° N.E., Tree 5°, 90° W. base 25.3.
 Previous site later gone. Recommended replacement in original area as old site now occupied by trees.
 Conifer 3' 8" failure 5" base. New of recommended

(Same in Red at alternative lines.)

Position of Station on Ordnance One-Inch map : No. of Map 161 National Grid Reference T 537875

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Parish Church.	Distance from gauge
1954			Hornchurch	1m S	Hornchurch	3/4m S.E.

Summary of Earlier Records from 10-year Sheets :

1916-1950, P - accepted

Record D, or d		1910-19	1920-30	1931-40	1941-50	1951-60
		C1912 NR 17 ✓		✓	✓	