

RAINFALL at Kew, Royal Botanic Gardens.

County of Surrey

Observer Dr A. Hill

River Basin Thames, mole - 5.

Rain Gauge, by

Diameter	8										
Height	0.9										
Altitude.....											
Year	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January.....	1.71	1.26	3.52	2.45	.50	4.09	1.02	1.23	2.93	3.52	2.223
February	2.97	1.26	1.47	.97	2.33	3.07	3.20	.86	.83	2.35	1.925
March	1.04	1.45	2.68	2.06	3.88	.81	4.07	1.92	.90	3.07	2.188
April	1.03	1.88	.08	2.63	.78	1.18	1.13	1.96	3.15	2.61	1.643
May	1.80	1.57	1.17	1.78	1.92	3.38	1.62	2.08	1.79	.17	1.728
June	2.97	2.13	2.91	.50	1.83	.59	2.10	3.47	.84	1.43	1.877
July	2.34	.93	1.43	2.18	1.61	4.07	1.11	3.84	4.41	2.33	2.425
August	2.77	.60	5.24	1.25	1.36	3.43	4.57	3.69	1.18	2.13	2.622
September..	.48	1.43	2.07	1.90	.98	1.95	1.52	1.96	5.53	1.32	1.914
October.....	2.44	2.91	2.16	3.46	1.19	2.17	3.51	3.15	1.33	.53	2.269
November...	2.69	3.50	1.57	2.19	2.91	1.87	4.06	1.27	2.03	1.38	2.347
December	3.57	4.29	2.96	.91	6.12	4.99	2.28	1.20	2.18	3.62	3.190
TOTALS ...	25.8	23.2	29.0	22.5	25.4	31.5	29.9	26.6	27.1	24.5	26.351

1910-20 med. 5.9.22. file 21.22
area 20f. high 60-10f. W. N.

J. in garden of Director's house, Kew, S.W. Lined

108.22 ✓

108.29

Annual average (London Survey) = 28.4.

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
			Kew Gardens	12 mi	S.E.	Kew	4 mi	N

RAINFALL at Kew, Royal Botanic Gardens.

County of Surrey

Observer A. Hill Esq. D.Sc. F.R.S.

River Basin Thames - Moleys

The Director

Glaisher Rain Gauge, by

Diameter	8											
Height	0.9											
Altitude					20							
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930	
											Mean	
22.83	January	2.21	2.31	2.29	1.22	2.40	1.60	2.47	1.75	2.97	.96	2.65
17.96	February	.42	.25	2.02	2.81	.49	3.33	2.47	3.31	1.95	.39	.52
13.43	March	1.10	1.22	1.61	2.14	.83	.46	.16	2.63	1.82	.03	1.43
22.21	April	2.80	1.02	2.57	1.34	3.17	1.74	2.94	2.26	1.33	1.08	1.96
21.37	May	3.04	1.09	.97	1.88	3.03	2.14	1.99	1.07	1.92	1.19	3.05
17.41	June	2.18	.24	.96	.24	2.57	.04	3.03	3.13	2.32	1.11	1.59
27.90	July	4.32	.10	3.29	3.04	3.24	3.40	2.06	3.07	2.34	2.89	2.15
24.10	August	1.47	1.33	2.22	1.58	2.46	2.44	.99	4.26	2.72	2.19	2.44
21.46	September	2.36	1.62	1.58	1.35	2.74	2.31	1.30	4.61	.97	.21	2.41
26.28	October	1.57	.48	1.25	5.19	3.69	2.98	2.08	1.39	3.85	2.82	0.98
27.85	November	1.13	1.80	1.26	1.43	2.40	1.45	5.11	2.70	1.90	4.81	3.86
25.16	December	2.09	1.00	2.77	2.16	2.80	2.62	.36	3.03	2.35	4.03	1.95
TOTALS	24.69	12.46	22.79	24.38	29.82	24.51	24.96	33.21	26.44	21.71	24.99	24.54
	D	D	D	a	d	D	D	D	D	D	D	

1910-20 read. 5.9.22. Entered here 11.11.22.

1920. Trees 20' high 6+10 ft. w.m.

1930. G. read 10 a.m. in winter & summer.

Annual Average (London Survey) = 23.4.

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
			Kew Gardens	44 m	S.E.	Kew	400 yds. N.

RAINFALL at Kew (Royal Botanic Gardens).

County of Surrey.....

Observer The Director.....

River Basin Thames Mole &c 5

Type of Gauge Glaisher.....

Annual Average 23.4 in. based on 43 years obs. un-weighted. Period of average 1851-1915 Ref. 3.

398407/35

Diameter	8	Height	0.9	Altitude	20	Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January	.95	1.63	1.51	1.24	.97	3.87	3.68	2.44	4.13	2.33	2.275						
February	1.66	2.0	2.65	2.3	2.18	1.53	3.95	3.35	.83	1.62	1.520						
March	.21	1.34	2.20	2.13	.33	.80	2.85	2.6	1.55	3.15	1.482						
April	3.22	2.07	.69	1.47	2.78	1.43	2.10	.05	2.28	1.60	1.769						
May	2.38	3.90	1.71	1.44	1.01	.48	2.27	1.35	1.32	1.21	1.607						
June	1.45	1.02	2.10	1.23	3.09	3.44	1.82	.34	1.64	.95	1.110						
July	2.89	1.85	2.08	2.09	.98	2.32	.77	.89	2.24	2.46	1.857						
August	5.33	1.09	.61	1.82	1.98	.41	3.01	3.40	3.29	.06	2.095						
September	2.27	2.15	2.38	1.03	2.44	2.28	1.81	2.38	.85	1.44	1.903						
October	.64	4.84	1.26	.91	2.10	1.60	2.39	2.37	4.87	2.62	2.360						
November	2.03	1.29	1.04	1.56	4.40	2.83	1.42	2.75	4.59	6.65	2.856						
December	.58	.46	.31	4.70	2.31	1.44	3.61	3.42	.89	1.23	1.895						
TOTALS	23.61	21.84	18.54	18.85	24.52	22.43	29.68	20.00	28.50	25.32	23.829	KM					

1932. Shrubs 10' high 4-8 yds N.
1934. Shrubs 3'-6' 10' high 3'-6' NE. & NW.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
1932.			Kew Bridge	600 yds	N.E.	Kew Green	200 yds E.

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

Station No. 164

41

RAINFALL at Kew (Royal Botanic Gardens)

County of Surrey

Observer The Director

River Basin Thames. Mile 9.5

Type of Gauge Glaisher

Annual Average 23.14 in. based on 3.3 years obs. un-weighted. Period of average 1881-1915 Ref. S.

File No. 398407/35

Diameter	8"					287	052				
Height	9"	6"	9' 0 8"					1			
Altitude	18'			18'				41			
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	2.51	2.42	4.53	1.51	1.68	1.44	1.39	3.46	1.08	1.14	21.16
February	1.88	.66	1.25	.72	1.42	2.29	1.21	1.40	.88	4.02	15.73
March	3.20	1.64	.30	.04	.81	1.26	4.61	.46	.83	.76	13.91
April	1.59	.70	(.85)	1.34	.91	2.13	1.73	1.27	1.91	2.88	15.31
May	1.75	2.42	1.76	.83	1.94	3.29	1.39	2.33	2.33	1.90	20.24
June	2.28	1.39	1.31	1.46	1.74	2.81	2.80	2.22	.62	1.92	18.55
July	5.24	1.74	2.07	1.53	2.50	3.04	1.99	1.15	2.12	4.11	26.49
August	5.67	1.80	1.12	2.34	1.04	3.87	.43	3.16	1.76	2.08	23.27
September	.42	.66	2.07	2.26	1.57	3.44	1.18	1.19	.52	3.41	16.72
October	.72	3.26	2.43	2.63	2.05	1.46	.14	1.90	6.16	.41	21.16
November	2.51	1.89	1.30	3.45	.19	3.92	1.08	1.64	2.41	5.35	23.74
December	1.67	1.99	1.40	1.15	2.79	1.88	2.36	2.60	1.89	1.82	19.55
TOTALS	29.44	20.87	20.39	19.26	18.64	30.83	20.31	22.78	22.51	29.80	234.83

1943 Bush 10 ft high, 15 ft. West.

1944 Thin hedge 6' high 10 ft N. Evergreen tree 25' high 30' S.E.

gradient?

613

24

1603.

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
1943			Kew Bridge	500 yds	NE	Kew Green	100 yds E

Station No. 16A

RAINFALL at KEW (ROYAL BOTANIC GARDENS)

51

County of SURREY

Observer The Director

River Basin THAMES & MOLE R.S.

Type of Gauge DIAL GAGE

Annual Average 23.4 in. based on 33 years obs. un-weighted. Period of average 1881-1915 Ref. S
 24.18 " " 35 " 1916-1950 1916-1956 P
 File No. 309407133

Diameter ...	8"	5		287	052						
Height ...	0' 9"	1 0				1					
Altitude ...	18'					51					
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January	3.58	2.35	1.07	.95	2.38	3.65	1.51	1.93	2.33	1.76	21.57
February	6.08	1.98	1.32	2.17	1.54	.32	2.77	2.60	.09	1.89	19.76
March	3.64	2.99	.48	2.20	1.09	.93	1.11	0.95	1.56	1.65	16.60
April	3.20	1.41	2.56	.41	.87	1.00	.29	1.24	2.39	0.86	13.43
May	2.34	2.74	1.18	2.21	4.22	.18	1.14	2.35	.38	1.71	18.45
June	1.31	1.71	2.02	4.20	1.95	1.76	.99	4.14	.43	1.05	19.56
July	1.13	.60	4.35	3.32	.26	5.92	2.98	2.48	1.64	3.48	26.16
August	4.28	3.76	1.87	2.75	.67	3.80	3.97	2.94	1.22	1.92	27.18
September	2.77	2.90	1.93	1.69	1.42	1.82	2.35	4.71	.06	3.81	23.76
October	1.12	3.09	3.04	1.98	2.57	2.10	1.87	2.35	1.93	5.15	25.20
November	1.64	3.24	1.23	3.62	.95	.87	2.30	1.35	2.43	3.01	23.14
December	1.86	2.42	.60	1.88	2.02	2.56	1.93	3.16	3.44	1.97	21.84
TOTALS ...	35.95	28.19	21.65	27.28	19.74	24.41	23.27	30.20	17.90	27.96	256.65
	NP	NP	NP	NP	D	NP	D	NP	D	NP	NP

1951 N.P. high. Temp. 1° Worthing. Old gauge unreliable. 1952 new Dubois gauge installed & marked numbered

1953 N.P. still unreliable. New gauge installed June 1952. 1952 read slow new gauge set up last side not moved up high

1954 " " "

1955 " " "

1956 " " "

1957 " " "

1958 NP still unreliable

Position of Station on Ordnance One-Inch map : No. of Map National Grid Reference TQ10 1724.

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Parish Church.	Distance from gauge.
1943			KEW BRIDGE	500 yds N.E.	KEW GREEN	100 yds 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
	✓ ✓	✓ ✓	✓ ✓ b/w d 136	✓	✓