

## RAINFALL at Theydon Bois Birch Hall

County of Essex Observer Mr G. Buxton, C.B.E.

River Basin Thames-Roding S.E.

Snowdon Rain Gauge, by N.P.Z.

Diameter ...		5									5
Height .....	-	11									10
Altitude ...		300									300
Year .....	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	<del>1930</del>
January ...			2.83	1.62	2.66	1.5	2.83	1.54	3.16	1.30	2.85
February ...			1.73	2.90	.68	2.63	2.95	3.42	1.59	.59	1.44
March .....			1.72	1.86	1.03	.69	1.47	2.27	1.92	.02	1.34
April.....			2.43	2.28	3.14	1.85	3.58	1.72	1.16	1.46	2.05
May .....			.82	1.81	3.65	1.92	1.36	1.30	2.64	4.10	2.83
June .....			1.22	.69	2.79	.19	3.40	2.44	2.64	.96	3.60
July .....			4.33	2.18	3.42	3.15	2.93	3.04	1.80	.915	1.97
August .....			3.12	1.59	2.85	2.09	1.18	4.11	1.61	1.86	3.18
September...			3.82	1.70	3.03	2.37	2.55	4.66	.56	.22	2.73
October.....	#		1.09	4.68	3.68	2.88	2.55	2.02	3.61	2.63	(1.21)
November...			1.56	.95	1.55	2.49	1.58	4.94	2.03	2.32	5.90
December...			1.49	2.73	2.41	2.93	2.16	4.40	2.95	2.68	4.055
TOTALS...			26.79	25.27	32.35	23.01	29.14	31.53	25.69	24.01	(28.90)

1922 Tree approx. 50 ft. hgt 60 yds. S.W.  
 30° 45° N.W.  
 Bank 15° 60° } N.W.  
 House 30+15° 75° }

1923 - 1929 late Sep recd v/31 file 113846/31

Obs. taken at 9 a.m. by G.M.T. + B.S.T.

1930. October adj., obs. notified. Tree 60'-70' high 50 yds approx. S.W.  
 " 60'-70" 60" " NW

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
1921	51°40'20"	0°5'10"	Theydon Bois	6½ furlongs E	Theydon Bois	3 furs. E. by N.	

## RAINFALL at Theydon Bois (Bisch Hall).

County of Essex.

Observer Mrs. Gerald Buxton  
Lt. Col. E.N. Buxton

River Basin Thames Roding etc 2.

Type of Gauge Snowdon.

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

" 23.8 in. computed by Mr. Cornish 1938 Ref. 561245/36 113846/31

Diameter	5"										
Height	1.0.										
Altitude	300.										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January	1.24	1.45	1.55	1.60	1.63	4.58	3.89	2.61	5.35	1.81	2568
February	1.19	24	1.03	.14	2.19	1.60	3.73	.76	.68	1.40	1316
March	.24	1.48	2.06	2.23	.55	1.23	2.48	.42	2.15	2.76	1560
April	3.29	2.38	.66	1.82	3.13	.48	3.35	.24	2.96	1.17	1998
May	2.26	1.91	1.90	.54	1.10	.39	2.51	2.18	1.67	1.22	1568
June	1.35	1.53	2.15	1.87	3.41	4.19	1.97	.33	1.54	1.45	1729
July	2.85	2.40	.96	1.11	.63	3.16	1.93	1.94	2.53	3.17	2073
August	4.47	.98	.62	2.08	1.45	.58	1.06	1.18	3.11	.08	1551
September	.98	1.47	2.28	1.22	3.08	3.27	1.60	2.92	.83	.66	1831
October	.43	5.71	1.35	1.06	2.18	1.93	1.80	2.88	5.54	2.70	2558
November	2.04	1.02	.77	2.23	3.97	3.18	1.56	3.10	3.60	6.67	2814
December	.66	.48	.40	4.58	2.70	1.79	3.88	2.97	1.30	1.11	1987
TOTALS	21.00	20.05	15.63	19.98	26.02	26.85	29.81	21.53	31.46	23.20	23553

1931 Trees 50' high 60 yds SW

" 30' " 45" NW

Bank 15' " 60" N - N by W

House 30+15" 75" N - N by W

11M

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
1931			Theydon Bois	1 mile	E	Theydon Bois 3 furlongs E by N	

Station No. 1264

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## RAINFALL at Heydon Bois (Birch Hall)

County of Essex

Observer

Lt Col. C. N. Burton

River Basin Thames Paddington-2

Type of Gauge Standard

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

Ref.

- 23.8 in computed by Mr Cornish (1938) ref. 561245/26 File No. 113846/31

Diameter	5"			239	210						
Height	1' 0"					0 "					
Altitude	300'										
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	2.44	1.89	4.44	1.56 (1.88)	1.39	1.55	3.81	1.12	1.67		
February	2.06	1.00	1.29	3.4	1.14	2.67	1.36	1.68	1.14	3.23	
March	2.65	1.62	3.37	5.3	1.74	1.32	5.31	.60	.84	.64	
April	1.80	1.19	1.05	1.42	1.13	1.46	1.87	1.64	1.31	1.33	
May	-	2.03	1.20	.66	2.62	2.08	.84	2.39	1.77	1.47	
June	-	.13	1.67	1.92	1.57	2.31	2.47	2.25	.24	2.86	
July	2.96	1.64	1.73	1.50	3.36	2.69	2.53	.89	.95	3.90	
August	4.26	2.15	1.56	2.80 (1.07)	3.82	.06	3.60	1.82	1.62		
September	.70	1.42	.85	2.87	1.30	2.72	1.40	1.55	.35	3.19	
October	-	4.45	2.31	2.76	2.34	1.47	.21	2.08	5.30	.35	
November	-	2.31	1.63	3.45	.31	3.51	.89	2.02	2.58 (4.28)		
December	-	2.43	1.20	1.04	2.62	1.98	2.28	2.38	1.53 (1.59)		
TOTALS	"	22.26	19.30	20.85 (20.08)	27.42	20.77 24.69		19.25 (26.13)			
	mp	22.26	19.30	20.85 (20.08)	27.42	20.77 24.69		19.25 (26.13)			

1941. Inf imperfect. Obs. away part of year.

1941. Trees about 50' high 60yds. S.W.

Bank 15' high 60yds. N:N by W.

House, 30' x 15' 75yds NN by W.

1945 Jan. pt. est'd for annual Aug. pt. est'd.

40204

1950 Estim. for Nov. &amp; Dec.

00034

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			Heydon Bois	1m.	E	Heydon Bois.	3 furlongs E'N'.

BRITISH RAINFALL ORGANIZATION

Station No. 1264 T site

## RAINFALL at Theydon Bois (Birch Hall)

County of Essex

Observer Lt-Col E.N. Burton

51

River Basin Thames - Roding &amp; C-2

and 9/57.

Type of Gauge Standard

Mrs Daphne Burton

Mrs Blanche Burton

Annual Average in. based on years obs. un-weighted. Period of average 1916-50  
 " 24.44 " 31 " on 1922-57  
 " 23.8 in. computed by Mr. Cornish (1938) ref. 561245/36 File No. 4284651 E19664/56

Diameter	5"	239	210	5"								Ref.
Height	0' 11"			1' 0"								
Altitude	300'			300'								
Year	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means	
January	(2.24)	1.48	.84		1.92	3.07	1.52	2.34	1.96	1.99		
February	5.57	.98	1.77		1.39	.46	3.00	2.90	.14	2.28		
March	3.21	2.88	.45		1.09	.88	1.16	.99	1.80	1.07		
April	2.86	.86	2.50		.11	1.36	.26	1.31	2.31	.49		
May	2.18	1.41	.95		4.09	.50	1.37	2.66	.84	1.93		
June	.57	1.07	1.59		2.21	2.15	.71	5.93	.93	2.16		
July	.95	.63	3.71		.16	3.83	3.26	2.85	1.69	3.26		
August	(4.51)	2.20	1.79		1.13	4.74	2.33	3.41	1.41	2.18		
September	(3.08)	3.27	1.26		2.06	1.71	3.26	4.27	.04	4.48		
October	.68	2.06	3.57		2.49	2.58	1.95	2.21	1.63	6.64		
November	4.18	3.33	.83		.80	.75	2.10	1.74	2.72	3.35		
December	1.73	2.01	.70		1.78	2.50	2.25	2.86	3.65	2.80		
TOTALS	31.76	22.18	20.56	N.R.	19.23	24.53	23.17	55.47	19.12	32.63		
	d	d	d		d	d	d	d	d	d		

1951 Trees 50'; 60 yd SW; Trees 30' 45 yd NW; Banks 15' 60 yd N-NW 40 yd

House 30' x 15' 75 yd N-N by W:

1952 Dec - Remained no reply to letter.

1956 Site re-opened. Col Burton restored. 1958 Field

40304

Position of Station on Ordnance One-Inch map :

No. of Map .....

National Grid Reference TG(5) 429993

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge
1951			Theydon Bois	1 mi	E	Theydon Bois	3 fms E by N

Summary of Earlier Records from 10-year Sheets :

Record D, or d		1910-19	1920-30	1931-40	1941-50	1951-60
		Camp '21 ✓	✓		✓ brd. 41.1mbt	

- but a '22 ✓ d 31-33 ✓ but D 50