

RAINFALL AT *Bolchester*

80

Lat.

Lon.

County of

Essex

Rain Gauge, by

Observer

Herbert Gaudy, Esq.

Cable - 5.

Diameter								8			
Height								4.0	3.0		
Altitude								68	↑		
Year.....	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January								1.54	1.18	.87	
February								43	1.23	1.79	
March								1.36	2.63	1.00	
April								1.54	1.65	1.66	
May								1.54	.81	3.14	
June .....								.31	2.55	1.91	
July								1.47	3.79	2.60	
August								1.42	2.61	2.21	
September....								2.03	1.08	1.90	
October								1.48	1.04	3.82	
November....								3.08	4.02	1.28	
December								1.05	.81	1.13	
TOTALS								17.25	23.40	23.31	

1887

St Giles

140 yards SE

Brick Building

11 ft high 8 ft to angle SW

House

15 ft " 21 ft E

RAINFALL AT Colchester Boro' Surveyors Office
 Lat. 51° 53' 10" N Lon. 0° 54' 0" E County of Essex
 Rain Gauge, by _____ Observer H. Goodyear Esq. C.E.

Diameter	8											
Height	16.6					16.10						
Altitude	82					T						
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.	
January	2.01	1.57	.48	1.53	1.78	1.80	1.23	2.21	.75	1.82	1.518	
February ....	.95	.06	1.90	3.24	1.20	.77	.33	2.29	.90	1.29	1.298	
March	2.22	1.54	1.42	.57	.78	1.33	3.29	2.72	1.40	.98	1.625	
April	(1.30)	.64	1.54	.08	1.53	1.03	.84	1.87	1.19	2.22	(1.224)	
May	1.91	1.71	.96	.75	1.73	.36	.43	.81	3.04	1.67	1.337	
June	2.08	1.60	4.23	.65	2.34	.45	1.98	2.77	1.64	1.61	1.985	
July	2.92	2.50	1.59	2.60	4.61	3.80	.62	1.95	1.17	2.79	2.455	
August	3.21	3.50	3.99	2.07	1.53	1.87	2.13	3.45	1.16	.45	2.236	
September...	1.05	.51	2.07	1.31	1.13	1.10	5.33	2.88	.31	2.16	1.785	
October	1.27	4.88	4.96	2.17	2.26	2.11	2.93	.44	2.10	1.33	2.445	
November...	2.59	1.72	2.16	2.37	3.22	2.51	.90	1.10	2.07	2.33	2.191	
December ....	.54	3.68	1.38	1.86	1.59	2.77	2.83	1.93	2.39	.95	1.992	
TOTALS	(22.05)	23.91	26.68	19.20	23.70	19.90	22.84	24.42	18.12	19.60	(22.042)	

1890 St Giles' Church 85 yards S
 1890 April 23^d Gauge moved about 170ft SE.
 1899 February gauge moved 60 feet E

RAINFALL AT Bolchester Brough Survey Office

Lat.

Lon.

County of Essex

Rain Gauge, by

Observer H. Goadyear Esq C.E.

Cable &c - 5.

Diameter ..	8										
Height	21 6	17.0									
Altitude ..	87	82				7					
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEAN.
January ..	1.69	.25	.42	1.61	1.93	.67	2.09	.81	.60	.64	1.071
February ..	1.74	.51	.72	.42	1.87	.67	1.71	.67	1.24	1.26	1.081
March ....	.82	1.06	1.18	1.21	1.41	1.54	1.11	.64	1.35	2.05	1.267
April .....	.94	1.07	.96	2.08	.77	1.89	.76	2.60	1.96	1.41	1.444
May .....	.79	.83	3.02	3.16	1.43	1.48	1.35	1.94	.91	.70	1.561
June	1.39	1.11	2.45	2.76	.75	3.11	1.48	1.78	.59	3.96	1.938
July .....	.78	2.13	1.08	3.74	2.32	.36	.24	1.71	3.08	3.69	1.913
August	2.07	(1.20)	2.65	3.68	1.29	1.40	.23	1.80	1.31	2.88	1.851
September ..	.51	.84	1.54	2.02	.82	.95	1.38	.57	.58	1.59	1.080
October	1.06	1.62	1.40	4.43	.62	.83	3.16	2.31	1.49	3.39	2.081
November ..	1.48	.75	1.53	1.91	1.18	1.73	3.64	1.50	.94	.82	1.548
December ..	1.85	2.74	1.21	1.00	1.73	.53	1.62	2.45	1.38	3.63	1.815
TOTALS ..	15.12	(14.11)	18.16	28.02	16.12	15.46	18.78	18.78	15.43	26.52	18.650

1900 St Giles Church ¹⁰⁰ 55 yards 5

1901 August 15th Gauge moved 30 ft N & lowered 4.6

1902 August 2nd Gauge moved 50 yards N

Gauge is on the top of a building running E and W

1906 5th Postoffice Station ¹⁷⁰ 100 yards 5

RAINFALL at Colchester Borough Surveys OfficeCounty of EssexObserver H. Goodyear Esq. C.E.River Basin Colne + C 5H. Collins Esq. C.E. 1910

Rain Gauge, by _____

Diameter ...	8										
Height	17.0										
Altitude ...	82 ft							80			
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...	1.18	1.00	1.96	2.64	1.33	2.36	1.01	1.45	2.52	2.31	
February ...	2.03	.91	1.24	.51	1.76	2.79	3.21	.59	.62	2.96	
March .....	.93	1.77	2.52	2.07	3.91	.93	3.71	2.01	.98	2.08	
April	1.41	.74	.21	1.65	1.02	.77	1.38	1.62	2.36	3.49	
May	2.84	.76	1.15	1.59	1.14	1.82	1.67	2.24	1.72	.33	
June	1.56	1.96	1.90	1.51	1.06	.56	2.15	.57	.75	1.20	
July	1.57	.30	1.27	1.18	2.29	3.60	1.31	2.22	4.52	1.77	
August	2.33	.89	5.04	.49	.71	2.14	4.07	3.31	.91	2.22	
September ...	.82	1.14	2.61	1.23	1.07	1.42	.93	.81	3.40	.62	
October ...	1.24	2.29	1.54	3.16	1.31	1.53	2.11	3.18	1.88	.99	
November ..	2.87	3.03	1.89	3.06	2.04	1.94	3.62	1.28	1.90	1.64	
December ...	3.06	3.71	2.06	.62	5.17	4.20	2.43	1.32	2.61	2.91	
TOTALS ...	21.84	18.50	23.69	19.71	22.81	24.06	27.60	20.60	26.12	22.52	
		2	2	2	2	2	2	2	2	2	

1916 large outcrop of a building running E + W

Date.	Lat. N.	Long. E.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
1910	51.53.10	0.54.0 0.54.10	St Botolph	100 yds 270 yds	S E	St Giles	270 yds 100 yds	E S

RAINFALL at *Colchester Borough Survey Office*County of *Essex*Observer *H. Collins, C.E. (Barr Engineer)*River Basin *Other C.S.*(1928) *Glaisher* Rain Gauge, by

Diameter ...	8										
Height	17.0								12		
Altitude ...	80								87		
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 1930
January ...	1.91	1.86	3.70	1.28	2.19	1.01	2.39	1.36	3.34	1.18	1.95
February ...	.41	.17	1.66	3.14	.50	1.84	1.85	3.03	1.17	.47	.68
March .....	.93	.85	1.25	1.36	.64	.64	.04	1.92	2.93	.07	1.44
April	3.27	1.44	2.53	1.01	2.25	1.15	4.18	2.03	1.19	1.40	1.99
May .....	.61	1.14	1.13	1.01	3.67	2.12	.86	.79	2.18	1.68	1.86
June .....	.88	.06	1.03	.85	1.90	.33	3.45	3.74	2.76	.88	.51
July	4.13	.25	2.55	1.36	3.14	1.83	2.19	3.49	1.79	2.18	3.37
August	2.04	1.02	1.17	1.69	1.87	1.90	1.19	3.05	2.40	1.34	2.03
September...	4.20	1.82	3.09	1.26	1.78	2.03	1.83	3.32	1.03	.81	4.76
October .....	.93	.56	.91	3.93	3.75	2.51	2.41	2.09	2.10	2.98	1.09
November...	.55	1.29	1.31	2.64	3.01	1.47	4.01	2.25	2.51	5.18	3.43
December...	2.50	1.11	1.62	2.06	2.54	1.79	.49	2.29	4.10	4.32	2.41
TOTALS...	22.36	11.57	21.95	21.59	27.24	18.67	24.89	29.36	27.56	22.49	25.57

Roof gauge. 3 ply. runs E.W.

1928. Iron railings all round 4'0" high. distance 5'0".

Building 7'6" high, 33'6" S.
44'0" N. 61'0" E.
q. moved 470 yds N.N.E.

Position of Station on reduced Ordnance Survey } No. of Map

Map, 2 miles to 1 inch Series

Reference No.

Date.	Lat. N.	Long. E.	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance from gauge	Direction
1920.	51°53'10"	0°54'	St Botolph	37 yds	E	St Giles	100 yds	S.

Cook's Park
Barnet, Surrey (H.)

RAINFALL at Goldchester (Barnet, Surrey (H.))

County of EssexObserver H. Collins, Esq. C.E.River Basin Colne &c. &c.Type of Gauge GlaisherAnnual Average in. based on years obs. un-weighted. Period of average Ref." " 22.3 in. compiled by Mr. Cornish (1938) 6/26/26/36 693/65/26 814458/27

Diameter	8.										
Height	1.2.										
Altitude	87.										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January	1.75	.76	1.43	1.37	2.72	4.06					
February	2.47	.41	1.06	.34	2.83	2.15					
March	.20	1.21	1.73	2.20	.55	.70					
April	2.88	2.51	.78	2.65	2.74	1.27					
May	2.28	3.64	1.37	1.27	1.41	.88					
June	1.22	.62	2.56	.99	3.42	3.57					
July	3.86	2.93	.94	1.25	.28	2.81					
August	3.54	1.24	.68	1.60	1.40	.62					
September	1.97	1.71	2.13	1.41	3.32	1.99					
October	.68	5.54	1.33	2.12	2.37	1.46					
November	1.91	1.27	1.49	1.61	3.71	3.26					
December	.57	.30	.50	5.08	2.66	1.66	#				
TOTALS	23.33	22.14	16.00	21.89	27.41	24.43					
	D	D	D	D	D	D					

1931. Iron Railings 4' high 5' all round.

Buildings 44' " 61' E

Iron railings 7'6" " 33'6" S

1937 Record terminated

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			St. Botolphs	470 yds	S	All Saints	116 yds	SSW

RAINFALL at Colchester (Casile Park) new g.County of Essex Observer H Collins & Co.River Basin Colne + C - 5Type of Gauge 17.0Annual Average.....in. based on.....years obs. un-weighted. Period of average.....Ref. f 693165726

Diameter	.....				8							
Height	.....				1 2							
Altitude	.....				87							
Year	.....	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January	.....					(2.65) 3.43	3.64	2.83	5.65	1.41		
February	.....					(2.75) 2.09	3.21	.47	.80	1.86		
March	.....					.52 .67	2.85	.43	1.74	2.59		
April	.....					2.63 1.23	2.85	.37	2.57	1.57		
May	.....					1.36 .84	2.84	1.54	1.41	.55		
June	.....					3.39 3.48	1.95	.52	1.55	.20		
July	.....					.28 2.73	1.87	1.10	1.88	2.51		
August	.....					1.35 .59	.97	1.25	3.42	.11		
September	.....					3.23 1.93	2.28	1.76	.27	1.08		
October	.....					2.33 1.45	1.54	2.67	7.43	2.25		
November	.....					3.60 3.18	1.65	2.25	4.06	6.06		
December	.....					2.60 1.60	3.76	3.03	1.19	1.67		
TOTALS	.....					(26.69) 23.72	28.71	18.22	31.97	21.86		

1935 np as Jan & Feb. estimated.

1935 Iron railings 4' high 6' all round: Building 44' high 65' E: Iron railings 7' 6" high 35' S

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
1935			St. Botolph	470 yds	S	All Saints	116 yds	S. S.W.

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

RAINFALL at Colchester (Castle Park) Station No. 1318/1 41County of SSEX.Observer H. Collins Esq. C.E.River Basin Chel & C. - S.J.S. ORLAND Esq. A.M. Inst. C.E. (1908)Type of Gauge M.O.Annual Average in. based on years obs. un-weighted. Period of average Ref File No. 692165/26

Diameter	8"			229	121						
Height	1' 2"										
Altitude	87'										
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	2.00	2.30	4.16	1.56	1.54	1.25	2.62	3.52	1.28	1.29	
February	2.01	.89	.61	1.11	1.66	1.94	1.63	1.23	1.13	2.60	
March	2.57	2.21	.38	.40	1.06	1.20	4.03	.94	.75	.64	
April	1.16	.66	.86	1.31	.83	1.47	1.30	1.55	.76	1.42	
May	1.52	2.08	1.39	.30	1.94	1.51	.81	.83	2.17	1.47	
June	.84	.69	1.68	1.62	1.86	2.51	2.00	1.47	.63	1.22	
July	2.50	1.94	1.51	1.83	1.11	2.58	.90	1.46	1.89	3.30	
August	3.87	1.50	1.01	2.15	2.15	3.87	.07	3.11	.93	1.55	
September	.55	1.57	2.36	2.60	1.72	1.66	1.43	1.25	.69	2.90	
October	1.44	3.39	1.47	4.49	1.62	.73	.21	1.98	4.71	.31	
November	2.32	2.29	1.52	3.75	.60	2.92	.95	1.02	2.44	3.53	
December	1.28	2.40	1.42	1.40	2.67	2.32	3.12	1.38	1.35	1.62	
TOTALS	22.06	21.92	18.37	22.52	18.76	23.66	19.07	19.74	18.73	21.85	

1941. Buildings 44' high 55'E. Iron Railings 7'6" high 33'6" S.

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.
1941.			St. Botolph's	470 yds	S.	All Saints	116 yds	S.S.W.

Station No. 1318/1

RAINFALL at Colchester (Castle Park)

51

County of Essex

Observer J. S. Orchard Esq. A.M.I.C.E.

River Basin Colne & C. 5

Borough and Water Engineer

Type of Gauge No. 2 1920 Inman

Annual Average in. based on years obs. un-weighted. Period of average 1916-58 Ref. 8

" 22.59 " 22 " within 1935-57 " 1916-58 File No. 693165/26

Diameter ...	8"			22.9	121					8"	
Height ...	1' 2"									1' 0"	
Altitude ...	87'									87'	
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...	1.57	2.03	.84	1.28	2.43	3.61	.94	2.57	1.89	2.05	
February ...	4.34	.66	1.12	2.16	1.74	.42	2.46	2.57	.07	1.73	
March ...	2.60	2.95	.38	2.01	1.37	.84	1.78	.81	1.39	1.49	
April ...	2.61	1.09	1.80	.28	.13	.81	.11	1.02	2.05	.41	
May ...	2.22	1.23	1.25	1.56	3.00	.62	.87	2.11	.28	.91	
June ...	.94	1.64	3.51	2.28	2.55	2.04	1.33	4.57	.64	.97	
July ...	1.98	.63	3.38	2.63	.12	3.43	3.56	2.68	1.13	2.71	
August ...	2.56	2.27	2.71	2.86	2.08	3.71	3.04	3.93	.76	3.65	
September ...	2.04	3.04	1.49	1.60	1.75	1.32	2.89	3.32	.01	3.40	
October ...	.61	2.08	2.04	1.61	4.05	1.25	1.54	2.40	1.76	6.25	
November ...	3.54	4.09	1.20	3.36	.51	.52	2.47	1.05	2.43	3.55	
December ...	2.09	2.42	.67	1.62	1.57	1.89	2.17	3.61	3.87	2.56	
TOTALS ...	27.10	24.13	20.39	23.25	21.30	20.46	23.15	30.64	16.28	29.68	
	D	D	D	D	D	D	D	D	D	D	

1951 Buildings 44' 5" E; Gauge 7 1/2' 3 1/2' S;

Inspected 21.3.60 by G.H.H. Satisfactory site

Position of Station on Ordnance One-Inch map: No. of Map: National Grid Reference TL(52)999255

Date.	Lat. N.	Long.	Railway Station.	Distance	Direction	Parish Church.	Distance	Direction
1951			St. Botolphs	470 yd	S	St. Botolphs	116 yd	S

Summary of Earlier Records from 10-year Sheets:

Record	1910-19	1920-30	1931-40	1941-50	1951-60
D, or d			C. 35' 1/2" W.P.S.	✓	✓