

RAINFALL AT Chelsham Fairchildes

Lat.

Lon.

County of

Surrey

Rain Gauge, by

J. Chelsham Parent,

Observer

Mr G. Mansfield
at Dornfield Eng

Diameter										5	
Height										10	
Altitude										600	
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January62	3.40
February										1.60	2.90
March										1.45	.75
April										1.50	3.06
May										3.03	1.62
June										2.04	1.20
July61	.74
August95	.98
September62	3.05
October										4.00	2.30
November										3.80	5.20
December										3.10	2.27
TOTALS										23.32	27.47

1898 Chelsham Church 1 1/2 mile South

House 36 ft high 120 ft E

Wall 7' - 18' W

40 yards from the other gauge

RAINFALL AT Chelsham Fairchildes

Lat.

Lon.

County of

Surrey

Rain Gauge, by

Observer

A. J. Darnell Esq

3-Chambers Decant.

Diameter								8		
Height								10		
Altitude								600		
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	MEANS.
January										
February										
March										
April									9.66	
May										
June										
July										
August										
September										
October									12.34	
November										
December										
TOTALS								25.10	22.00	25.99

Chelsham Church 1 mile S

1898 Shrub & high loft SE

RAINFALL AT Chelsham Fairchildes

Lat.

Lon.

County of

Surrey East

Rain Gauge, by

Observer a S. Darwell Esq

3-Chelsham Fairchildes

Diameter ..	8										
Height ..	10										
Altitude ..	600 ft										
Year ..	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	M.EAN.
January ..	3.63	1.04	1.01	2.47	4.96	1.26	5.05	1.24	1.59	1.92	2.41
February ..	5.63	1.80	.85	2.00	4.41	1.00	2.67	1.73	1.42	(.60)	(2.21)
March ..	.93	2.90	2.02	2.57	1.94	4.15	1.40	.97	2.97	1.512	(4.52)
April ..	1.02	1.82	.75	2.10	1.10	1.82	.70	3.57	2.72	(2.00)	(1.76)
May ..	1.14	1.79	2.45	2.62	2.22	.94	.97	1.57	1.49	(1.29)	(1.54)
June ..	2.92	1.75	4.12	6.79	.71	5.97	3.51	2.31	3.05	3.63	3.376
July ..	1.23	.83	1.60	4.77	1.41	.84	.92	1.11	3.71	3.44	2.386
August ..	2.97	1.99	2.72	4.51	1.64	2.66	1.05	1.98	4.31	2.40	2.643
September ..	1.25	1.73	.47	2.08	1.36	2.15	2.10	.50	1.72	3.81	1.717
October ..	1.94	2.75	1.96	7.72	2.45	1.36	4.95	3.94	2.20	5.34	3.461
November ..	3.20	.83	2.19	2.98	1.48	4.83	5.43	2.43	1.08	1.34	2.579
December ..	3.14	4.87	1.56	2.50	3.46	.68	1.98	3.54	2.25	4.20	2.918
TOTALS ..	29.00	24.10	21.70	48.11	27.14	27.66	30.73	24.89	28.51	34.49	29.133

1901 Chelsham Church, 1 mile S.W

Up Warlingham Station 5 fms S

1904 gauge in open ground - nothing to influence the amount registered

1905 E Croydon Station 6 miles NW

RAINFALL AT Chelsham Fairchildes

Lat.

Long.

County of

Surrey East.

Rain Gauge, by

Observer.

Mr G. Mansfield
at Darnell Eng

3-3 Chelsham Parsonage

Diameter ..	5									
Height ..	0 10									
Altitude ..	600T									
Year ..	1900	1901	1902	1903	1904	1905	1906	1907	1908	M.H.A.N.S.
January ..	3.60	1.55		2.45	4.96	1.15	5.20	1.01		1.26
February ..	4.90	1.80			4.05	1.06	2.50	1.78		.55
March ..	1.03	3.00		3	4.90	1.50	4.20	1.65	.97	4.20
April ..	1.18	2.10		2.05	1.30	2.00	1.35	3.18		1.93
May ..	1.25	1.55		2.30	2.00	1.00		2.10		1.25
June ..	3.35	1.55		6.85	.83	5.70	3.00	1.65		3.53
July ..	1.10	.77		5.45	1.70	1.12	.92	1.04		3.70
August ..	3.00	1.55		4.48	1.59	2.75	1.10	2.10		3.09
September ..	1.25	1.50		2.08	1.58	2.20	2.15	.83		5.50
October ..	2.45	2.20		7.10	2.23	1.72	5.17	4.45		5.55
November ..	3.05	.71		2.90	1.85	4.60	5.70	2.00		1.07
December ..	3.27	4.88		2.53	3.30	.34	2.25	3.97		4.12
TOTALS ..	29.43	23.16	20.33	43.09	26.89	27.84	30.99	26.03	28.55	35.75 29.106

Chelsham Church 1 mile S.W.

This gauge stands in a sheltered position about 8 yards E from a kitchen garden wall 8 ft high

1902 The monthly figures lost

1905 East Croydon Station 6 miles N.W.

1906 Up Wansingham 5/2

RAINFALL at Chelsham Fairchildes

County of Surrey

Observer A. D. Daniell Esq.

River Basin Thames-Darent 3

8 in. Glassine
Rain Gauge, by

Diameter ...	8										
Height	10										
Altitude ...	600 T										
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...	2.31	1.65	0.10	4.92	.88	4.93	1.48	1.36	4.59	4.33	2.955
February ...	4.24	1.59	2.71	1.22	4.59	6.66	4.77	.95	1.52	3.06	3.131
March	1.65	1.95	4.88	4.21	5.99	.68	4.95	1.78	1.20	4.56	3.185
April	2.50	2.15	.05	4.16	1.80	1.78	1.93	2.42	4.34	3.61	2.474
May	2.23	1.64	1.21	1.47	1.85	3.34	2.95	1.97	1.72	.30	1.868
June	3.44	2.28	3.65	.32	1.22	.60	3.87	1.94	1.81	1.18	1.981
July	3.39	.40	1.50	1.79	1.90	4.17	1.46	4.88	5.41	2.32	2.722
August	2.24	.69	6.11	1.63	1.45	2.61	3.55	6.83	.66	2.74	2.856
September ..	1.36	1.04	3.85	1.51	.96	2.11	1.32	2.12	6.47	1.59	2.263
October ...	2.77	6.03	3.94	4.20	2.04	2.59	4.09	5.23	2.50	1.08	3.447
November ..	4.57	5.49	2.53	3.64	4.18	3.53	7.07	1.73	2.23	1.80	3.677
December ...	5.62	7.81	3.81	1.46	9.69	7.33	3.82	1.42	2.96	5.42	4.935
TOTALS ...	36.33	33.02	37.34	30.58	36.55	40.33	41.26	32.63	34.91	31.99	35.494

1910 Rhododendron 8.10 ft. 78

5°

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
9.10 9.11			Worcs Bank Up Wimborne	5 miles 5½	S.E.	Chelcham	1 mile	S.W.

RAINFALL at Cheltenham Fairchildes

County of Surrey Observer Mr E. Mansfield
 River Basin Thames - Darent 3 for A. S. Daniell
 5" Rain Gauge, by Howard

Diameter ...	5	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
Height	0 8											
Altitude ...	600 T											
Year ...		1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	
January ...	2.75	1.82	4.13	4.70	.88	5.76	1.45	1.60			4.10	
February ...	4.85	1.85	3.18	1.10	4.59	6.35	4.80	.97			2.62	
March	1.52	2.03	4.25	3.40	6.00	.61	5.22	1.65			4.00	
April	2.50	2.37	.02	3.51	2.00	1.77	1.20	2.65			3.10	
May	2.25	1.01	.46	1.30	2.01	2.54	2.65	1.76			(.30)	
June	3.50	1.95	3.60	.20	1.28	.28	3.35	1.70			1.12	
July	3.18	.31	1.46	1.56	2.04	4.75	1.35	2.25			2.12	
August	2.60	.59	5.75	1.45	1.95	2.60	3.50	6.50			2.70	
September ...	1.36	1.25	3.86	1.33	1.25	1.80	1.19	2.71			1.60	
October ...	3.15	4.65	3.35	4.10	2.04	2.04	5.70	4.70			.92	
November ...	3.75	5.50	2.70	3.36	4.25	3.40	7.05	1.80			1.70	
December ...	4.38	7.80	3.70	1.30	9.51	7.40	3.73	1.90			4.70	
TOTALS ...	35.69	31.13	36.45	27.31	37.80	39.30	41.19	30.19	N.R.	(28.98)		

1919. Wall 7 ft - 30 ft W.

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
1910 1911			Haysden up Warlingham	5 miles 5½	SW	Cheltenham	1 mile	SE

RAINFALL at Chelsham Fairchildes

County of Surrey

Observer Mr. G. Mansfield Gardner

River Basin Thames-Darent 3

for A. J. Daniell

5" Howard Rain Gauge, by sound correct v.v.b.

Diameter ...	5"									
Height	0.8									
Altitude ...	600									
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929
January ...	3.48	2.80	3.80	1.80		3.50	3.10	4.90	1.42	3.65
February ...	1.40	25	3.85	4.80		2.74	4.88	1.90	.65	1.07
March	1.04	1.73	2.40	2.10		.28	3.62	3.00	.00	1.40
April.....	3.70	1.40	4.24	2.53		4.70	1.98	1.64	.94	1.86
May	2.00	1.50	1.70	2.32		1.30	1.14	2.24	2.80	4.00
June98	.54	1.90	.53		4.08	3.60	3.22	.92	.52
July	5.30	.20	3.91	2.90		1.85	2.62	1.90	2.46	2.56
August	1.19	1.75	2.34	2.40		3.10	4.70	3.00	2.07	4.00
September...	5.86	1.17	2.13	1.15		1.54	5.77	.86	.08	4.54
October.....	2.10	.52	1.36	6.52		3.18	2.04	5.82	4.45	1.59
November...	2.41	1.73	2.23	2.06		7.48	3.00	3.18	7.08	4.98
December...	2.90	1.90	4.95	2.89		.50	(5.00)	3.65	7.60	2.36
TOTALS...	32.36	15.49	34.81	32.00	NR	34.81	34.25	41.45	35.43	30.17
						M	M	M	M	M

Inspired of 3. 7. 31. 26. S. situated within 100-200 yds of 8 in. gauge among greenhouses. Very good exposure although there was some chance of plants sheltered gauge.

1927. Brick wall 7 ft high 12 yds W.

Varieties N & S. 4 yds distance

Not corrected for snow.

1928 Wall 5 ft high 10 ft to S. and Wall 4 ft high 25 ft to W.

1930. G. in kitchen garden kept by Gardener.

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

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance from gauge	Direction
1920			Hayes Kent - Up Warlingham Hayes Kent	5 mi 5.5 mi 5 mi	S S.W. N.E.	Chelsham	1 mi 1 mi 1 mi	S.W. S.W. S.E.

RAINFALL at Chelsham, Fanchells

County of Surrey Observer A. S. Daniell Esq.

River Basin Thames - Darenr 3

8° Glaisher Rain Gauge, by

→ G. leaked as indicated 7.6.26

Diameter ...	8										
Height	1.0										
Altitude ...	600										
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	Means 1930
January ...	3.70	3.02	4.05	2.07	2.92	3.23	3.72	2.63	3.79	1.09	3.78
February73	.40	2.94	4.67	.86	5.15	3.12	5.36	1.93	.65	1.10
March	1.65	1.86	2.11	2.35	1.64	.89	.29	3.86	2.53	.00	1.54
April	3.88	1.46	4.57	2.76	4.16	3.13	5.28	2.11	2.69	1.36	1.67
May67	1.78	1.55	2.76	4.33	2.07	6.55	1.70	2.44	2.65	4.38
June	2.27	.28	1.97	.45	2.27	.24	4.66	3.41	3.20	.92	.59
July	4.93	.17	4.15	2.91	5.91	3.90	1.95	2.86	1.71	2.41	2.84
August	1.90	1.81	2.45	2.47	3.41	2.77	3.42	4.17	3.13	2.41	4.22
September...	5.33	1.26	2.17	1.86	4.77	3.57	1.66	6.10	.51	.11	4.51
October.....	1.89	1.24	1.54	7.00	4.21	4.90	3.34	2.11	6.49	4.64	1.73
November...	1.70	2.02	2.27	2.23	4.92	3.46	7.10	3.29	3.40	8.23	4.96
December...	3.08	1.78	5.38	3.00	4.72	4.00	.34	(5.00)	3.76	8.04	2.61
TOTALS...	31.73	17.08	35.15	34.53	44.12	37.31	36.41	42.40	36.41	32.41	33.93
							M	M	M	M	34.68

1924. Rhododendron Shrub several yds. distant

Inscrutable Jly. 7.6.26. Ground generally slopes down to road in N.E. but trees along road afford good shelter. The rhododendron shrubs are to S. at convenient distance. Very good exposure S. or SW. at edge of large garden with fields beyond.

1925. N.P. Gauge found to be leaking 7.6.26

1936. N. P. Bad

1927. N.P. Check. Dec. modified

1928. N.P. Check

1929 N.P. Check

1930. 66 N.P.

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	Direction
1920			Hayes Kent 44° Worlingham	5 mi. 5½ mi.	S.W.	Chelstam	1 mi.	S.W.

RAINFALL at Chelsham (Fareham).

County of Surrey.

Observer A. S. Daniell, Esq.

River Basin Thames-Darent 3.

Type of Gauge.

Annual Average 31.44 in. based on 41 years obs. un-weighted. Period of average 1881-1915. Ref. T.H.S.

31.4 = computed by Arribalzaga (1900)

Ref. Arribalzaga

f 687337/26

Diameter	5	5	8	8	8	8	5			
Height	0.8		1.0				0.8	1.0		
Altitude	600									
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940
										Means
January	2.28	3.15	2.40	2.99	1.43	6.08	5.70	3.34	5.23	1.91
February	1.98	5.5	2.17	4.40	3.87	2.40	4.98	.85	1.72	2.00
March	2.7	1.58	4.21	3.19	.60	(4.72)	4.00	1.46	1.41	3.24
April	3.79	2.59	.67	3.54	3.27	2.43	3.03	.12	2.61	2.77
May	3.06	4.33	2.83	.76	1.18	.53	2.38	2.21	1.71	1.32
June	1.61	1.16	1.62	1.35	3.43	3.43	2.48	.48	1.08	.67
July	3.28	2.80	2.02	(1.80)	1.17	4.42	.75	1.60	(2.90)	3.56
August	4.57	.77	.61	(1.91)	3.20	.70	1.57	2.87	4.12	.04
September	2.02	1.95	3.81	1.92	4.42	2.12	2.20	2.68	1.57	1.65
October	1.83	6.71	1.64	2.60	4.44	2.63	3.28	3.75	7.34	4.34
November	3.96	1.35	2.19	4.01	5.58	5.04	2.12	4.02	5.25	8.53
December	.84	.80	.30	7.96	4.23	3.15	5.05	3.65	1.82	1.55
TOTALS	28.49	27.74	24.47	32.43	36.82	34.65	37.54	26.03	36.76	31.58
										31.651

1932. Gauge in kitchen garden. Vinyl wall N and W. a few yards.

1934. Box shrub 6' high 8' S.W. screen open on all sides.

1936. Gauge in open ground - Rhododendrons about 10' E and S.

1937. Gauge 8' S. gauge 6' E + gauge offering shelter approx. S. 3138

1940. Kept in a sheltered place between two hot houses.

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
1932			Margate, Kent	5 mls.		Chelsham	1/4 m	5.

Station No. 73

41

RAINFALL at Wetherham (Banchide)

County of Surrey

Observer A. S. Darnell, Esq.

River Basin Thames, Danesmoor

Type of Gauge

Annual Average 21.11 in. based on 14 years obs. un-weighted. Period of average 1921-1935 Ref. T.W.S.

File No. 684337/7b

Diameter	5"										Means
Height	1' 0"										
Altitude	600										
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	
January	2.18										
February	3.35										
March	3.22										
April	1.86										
May	2.48										
June	2.48										
July	2.52										
August	3.92										
September	.61										
October	1.03										
November	3.46										
December	2.45	#									
TOTALS	29.56										

4-44 No records rec'd for 1942-1943 Sta. Terminated.

	1910-19	1920-30	1931-40	1941-50
Record	✓	✓ NR 1924	✓	T 1941 ✓
Total	✓	✓ but Total only 1925	✓	✓

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

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance from gauge	Direction