

Petersfield  
RAINFALL AT Ditcham Park No. 1

705

Lat. .... Lon. .... County of Hampshire  
Certified Smetham Rain Gauge, by J. H. Burke Observer C. J. P. Cave Esq.  
M. from 1909 -

Diameter ..						8				5	
Height ..						10				11	
Altitude ..						541				539 ft	
Year ..	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..											
February ..							9.09	.98	1.75	1.14	
March ..							4.03	1.83	1.62	.38	
April ..							1.76	1.10	3.56	5.33	
May ..							.79	4.81	2.67	(1.59)	
June ..							.61	2.85	2.89	2.33	2.86
July ..							4.90	1.78	3.07	.91	2.99
August ..							.36	.61	2.33	2.93	3.49
September ..							3.50	1.73	1.97	5.53	2.89
October ..							3.17	1.31	.59	1.95	3.67
November ..							2.17	5.95	7.70	3.12	8.55
December ..							4.77	5.36	2.82	1.51	.72
							1.02	2.39	4.07	4.14	5.42
TOTALS ..							376.5	33.66	32.02	(38.58)	

1905 Charlton church 1 3/4 mile SW

Rowlands Castle Station 4 1/2 miles S

House 45 ft high 250 ft NNE

Tree 50.56 + 70 ft high 160, 190 + 300 ft ESE, N.N.E. + W

1907 Petersfield Station 3.7 miles N

1909 Jan 1 Gauge moved 415 ft ENE

This g. and the 5 in (1902) were transposed in position  
1. 1. 1. 1. 1.

Inspected 25.XI.08 by H. Q. M. Good exposure well sheltered but perhaps a few yards too near trees to NE. On very large lawn, v. freely exposed.

RAINFALL AT Petersfield Ditcham Park No. 2.  
 Lat. .... Lon. .... County of Hampshire  
Snowdon Rain Gauge, by Hicks Observer C. J. P. Lovelock

Diameter ..								5	8	
Height ....								1 0	1 0	
Altitude ..								557	554 ft	
Year ....	1900	1901	1902	1903	1904	1905	1906	1907	1908	MEANS.
January ..										1.78 1.21
February ..										1.61 .50
March .....										3.51 5.51
April .....										2.81 1.67
May .....										2.42 2.51
June .....										.94 3.18
July .....										3.07 3.63
August .....										5.61 3.06
September ..										.58 2.11 3.84
October .....										7.98 3.15 9.07
November ..										2.85 1.47 .80
December ..										4.16 4.29 5.38
TOTALS ..										32.77 40.36

70 70

1907 Buriton church 1.5 miles N 20° W

Petersfield Station 3.6 " N 6° W

Bank 25' high 15 ft N

Wall 8 " 45" N

Shrub 7 " 17" N

Gauge read daily + exposed in less sheltered situation than "for

1907 Jan 1<sup>st</sup> gauge moved 415 ft W. S. W.

This g. and the 2 in (not) were transferred in position 1.1-09. 4th will be read only monthly in future.

Inspected by H. R. M. 25. XI. 08. Better position than 8 in. ~~so~~ on the whole being more sheltered. It is about 200 yds away.

## RAINFALL at Petersfield Ditcham Park

County of Hampshire

Observer C. J. P. Cave Esq

River Basin Tchent Pithead

Snowdon Rain Gauge, by Hicks

M

Diameter ...	5									MEANS.
Height .....	6 11									
Altitude ...	539 ft									
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919
January ...	3.24									
February ...	4.60									
March .....	1.31									
April .....	2.85									
May .....	1.87									
June .....	2.93									
July .....	2.48									
August .....	4.07									
September ..	1.12									
October ...	4.72									
November ..	4.06									
December ...	5.99									
TOTALS ...	38.54									

1910 74 hours 53 ft high 240 ft NNE  
 2nd 52.76 - 182, 153, 216 ft N by W, ENE, W by N  
 Gauge discontinued on Jan 1<sup>st</sup> 1911

+ Inspected

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
9:0			Petersfield	3.6 m	N 60° E	Ruiter	1.5 m	N 20° W

## RAINFALL at Petersfield Ditcham Park

County of Hampshire

Observer C. J. P. Cowley

River Basin Nether &amp; Spidhead 5

London Rain Gauge, by Hicks

Diameter ...	8												
Height .....	10												
Altitude ...	556												
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.		
January ...	3.38	1.64	4.18	6.50	.72	5.71	1.64	1.63	4.41	7.21			
February ...	4.81	2.19	3.60	1.47	5.88	6.90	5.16	1.18	1.93	3.23			
March .....	1.45	3.11	5.37	3.85	5.83	1.04	3.85	2.72	1.56	6.03			
April .....	3.00	1.88	.06	3.29	1.83	1.51	1.24	2.35	2.30	3.05			
May .....	2.10	2.79	1.45	3.43	1.55	4.13	1.98	2.22	1.80	.68			
June .....	3.25	2.10	4.46	.76	2.21	1.14	2.87	3.60	1.39	.70			
July .....	2.87	.69	2.91	2.50	3.79	5.03	1.07	3.31	5.87	1.81			
August .....	4.45	.77	8.27	1.92	2.64	2.24	3.38	7.76	2.16	3.58			
September ..	.13	1.74	4.16	3.28	1.91	2.88	2.48	2.14	6.83	2.53			
October ...	4.87	5.27	4.26	5.33	2.95	4.78	6.31	5.44	1.92	.60			
November ..	4.60	5.39	2.09	4.00	4.07	3.73	4.91	1.36	3.03	2.86			
December ...	6.13	10.57	5.22	2.89	10.71	9.56	4.11	1.60	3.85	7.46			
TOTALS ...	41.04	38.14	46.03	38.72	44.09	48.65	39.00	35.31	36.99	39.74			

1910 Shrub 7 ft high 17 ft N  
 Bank 2.5 " 15 " N  
 Wall 8 " 45 " N

+ Imbedded

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
1910	50 57' N 50 51' N	0 36' W 0 56' W	Reigate	3.6 m	N 6° W	Bunting	1.5 m	N 20° W

## RAINFALL at Petersfield Ditcham Park

County of Hampshire

Observer C. J. P. Cave Esq.

River Basin Itchen &amp; Spithead

Snowdon Rain Gauge, by Hocke

Diameter ...	8								8		
Height .....	1	0							1		
Altitude ...	555								554		
Year .....	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1920-29 MEANS.
January ...	4.75	4.55	5.74	1.97	3.68	4.60	6.70	2.51	6.97	1.53	5.07
February ...	85	29	3.76	6.68	49	6.27	2.73	5.32	2.34	1.69	1.29
March .....	3.24	1.60	2.50	2.45	1.87	1.64	1.48	3.72	2.81	1.14	1.23
April .....	4.22	1.22	4.43	3.97	3.51	3.49	3.24	2.76	2.21	1.67	2.163
May .....	1.59	2.58	1.16	2.86	4.67	5.16	2.68	1.55	1.82	3.12	2.33
June .....	2.34	1.19	1.52	1.50	3.16	1.04	2.90	3.73	2.84	2.03	1.53
July .....	6.75	1.68	4.46	1.09	4.59	3.52	2.35	3.48	1.95	2.02	2.99
August .....	1.73	3.24	3.05	3.16	3.31	4.98	1.59	5.35	2.65	3.11	5.19
September...	2.77	1.04	2.69	2.72	6.22	3.02	1.65	7.34	1.13	1.68	3.38
October.....	4.15	1.95	1.28	7.22	4.60	4.45	2.83	3.05	8.42	6.07	2.59
November...	2.13	2.98	2.51	1.56	3.16	4.18	9.86	4.00	3.68	8.82	6.23
December...	3.99	2.55	4.63	4.30	5.16	4.08	1.35	5.85	3.84	8.47	4.61
TOTALS...	38.51	21.87	38.09	38.48	44.42	44.43	35.66	48.66	40.69	37.15	38.07
	3	3	3	3	3	3	3	3	3	3	3

1920. Bush 2.5 ft. H-N

Wall 8 - " 45 - "

Shrub 10 - " 17 - NW. NE. SW

426.03  
426

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

Map, 2 miles to 1 inch Series

Reference No. \_\_\_\_\_

Date.	Lat. N.	Long. W.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge	Direction from gauge
1920	50° 57' 11" N	0° 56' 44" W	Petersfield	3.6	N 6° W	Buriton	1.5	N 20° W

## RAINFALL at Petersfield (Pitcham Park)

County of Hampshire

Observer C. J. P. Cave, Esq., J. P.

River Basin Itchen &amp; Spithead 5

Portsmouth Water Co. (B.R. 1931)

Type of Gauge Standard

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

Ref.

660426/26

Diameter	8	5		8								
Height	1	0										
Altitude	555											
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means	
January	3.40	3.44	3.03	2.63	1.19	6.36	7.45	4.32	6.57	(3.42)		41.81
February	2.41	3.7	5.45	0.08	4.27	2.99	5.74	1.58	2.11	3.73		27.73
March	1.85	1.76	4.46	3.60	1.72	3.26	4.36	1.55	1.45	3.74		24.75
April	3.50	3.35	1.40	2.89	4.65	2.44	3.25	1.07	2.87	1.06		25.48
May	2.74	4.81	2.91	0.86	1.06	1.46	3.18	2.11	1.45	1.02		20.60
June	2.06	2.65	2.29	1.62	4.20	2.98	1.97	1.58	1.96	.25		19.56
July	3.21	5.80	3.16	1.08	1.51	6.07	1.47	2.46	3.71	2.93		30.40
August	4.43	1.37	1.06	3.60	3.10	1.12	1.03	2.77	2.87	1.13		21.97
September	3.17	3.86	3.16	8.23	4.82	3.07	2.17	2.07	.90	1.69		28.13
October	1.77	7.85	3.01	2.93	4.78	1.22	4.23	4.45	5.65	4.71		37.60
November	4.75	2.14	1.04	4.44	8.88	4.66	2.68	4.64	6.39	9.10		48.62
December	1.81	1.52	1.00	1.07	4.09	2.63	4.35	3.35	2.60	2.77		36.19
TOTALS	32.10	38.92	32.45	40.03	43.27	36.25	40.78	27.95	38.53	34.56		364.82

1931. Shrub 12' high, 17' w. Other shrubs in various directions.

Bank 2' " 15' N.  
wall 8' " 45' N.  
" 8' " 25' N.

Other shrubs in various directions.

1934 Col. Pike took over rain-gauge from C.J.P. Cave and moved the gauge to a more sheltered position in Oct. 1934. It was moved to a new site, suggested by Portsmouth Water Co. in July 1935.

1936 Back years read. from Portsmouth Water Co. who will be regarded as authority for this gauge.

1940 Jan. read. for snows.

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
1931.			Petersfield	3.6 m. N. 6 W.		Buriton	1.5 m. N. 20 W.

Station No. 705 T.F.

## RAINFALL at Petersfield (Itchenham Park).

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County of Hampshire.

Observer Portsmouth Waterlo. 1969

River Basin Itchen &amp; Spithead d.5.

Type of Gauge Standard.

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

Ref.

File No. b60426/2b

Diameter	8"		322	046			5"	8"?			
Height	1' 0"				1						
Altitude	555'				41						
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	3.19	4.61	6.45	2.44	2.08	3.38	3.37	6.68	1.19	1.43	Totals 34.82
February	4.56	.51	1.69	6.4	2.17	3.34	2.50	1.60	1.86	6.75	25.62
March	3.92	3.15	1.85	2.29	1.94	1.20	8.56	1.80	1.85	2.83	24.39
April	2.18	2.01	1.20	1.67	1.04	2.33	2.74	1.50	1.98	2.87	19.52
May	2.75	3.23	3.07	1.22	2.33	4.17	1.53	3.17	2.35	1.47	25.29
June	1.64	.22	2.02	2.38	2.24	4.34	2.09	3.28	.98	1.96	21.15
July	2.47	1.93	2.49	2.45	3.79	1.92	1.54	1.49	.36	5.60	23.94
August	5.12	4.60	2.12	2.25	2.82	6.68	.49	4.74	1.50	14.32	34.64
September	3.38	2.50	2.02	2.52	2.14	5.46	1.76	3.42	1.81	4.90	26.86
October	1.39	4.32	3.60	4.59	4.53	.94	1.29	2.32	3.82	.78	33.58
November	3.36	1.64	2.59	6.40	.74	6.07	1.45	4.93	4.73	7.87	37.08
December	2.15	4.43	2.52	2.47	6.19	3.86	3.40	5.20	3.25	2.73	35.20
TOTALS	33.06	33.06	30.62	29.32	30.01	43.64	31.02	36.13	31.68	43.51	342.09

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
1941			Petersfield	3 1/4 m	N	Buriton	1 1/2 m NNW.

BRITISH RAINFALL ORGANIZATION

Station No. 705 T.F. 4

51

## RAINFALL at Petersfield (Ditcham Park)

County of Hampshire

Observer Portsmouth, Water Co.

River Basin Ditcham &amp; Spithead S

Type of Gauge Standard

Possibly

Annual Average in. based on years obs. un-weighted. Period of average 1916-1950 Ref. 5  
too high 39.48 " 6 " within 1950-56 " " File No. 660426/26

Diameter in.		8		322046		8'					
Height ft.		110			1		1' 6"				
Altitude ft.		555			51		555'				
Year	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January	3.18	1.47	2.48	3.97	5.62	4.25	5.77	4.10	4.77		
February	1.06	2.17	3.75	2.53	2.20	6.140	3.22	.17	5.21		
March	3.70	.88	4.35	1.67	.65	2.70	1.92	3.55	2.41		
April	2.26	2.19	.39	.66	2.10	.36	.69	3.86	1.25		
May	3.16	3.43	3.93	5.58	.28	1.53	3.81	.44	1.53		
June	1.61	2.61	4.13	3.13	3.42	2.96	3.81	1.08	4.02		
July	.66	6.47	4.25	1.37	3.03	6.22	2.71	1.87	5.34		
August	3.43	2.26	3.29	1.28	5.26	3.49	5.50	5.41	4.87		
September	4.23	3.29	3.88	2.65	4.87	4.05	5.21	.17	5.47		
October	5.15	4.15	3.89	4.73	1.97	3.08	3.79	3.48	10.08		
November	5.02	2.19	7.90	3.30	.87	3.34	3.23	4.93	8.15		
December	3.47	1.09	3.99	5.27	7.53	3.53	4.75	10.86	5.58		
TOTALS	36.93	32.20	46.23	36.14	35.80	41.91	44.41	39.92	52.69		
	N.R.	D	D	D	D	D	D	D	D		

1952 Points  
TASP. FEB. 1953 160% Good site but nearly Sufers were overbetta in previous

Position of Station on Ordnance One-Inch map : No. of Map 1% National Grid Reference S.U. 748177

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

Summary of Earlier Records from 10-year Sheets :

1916-1950, P - Rejected

Record D, or d		1910-19	1920-30	1931-40	1941-50	1951-60
		✓	✓	✓ NP 34-36	✓ ✓	✓ bwd 44-46 ✓ bwd 48-49