

RAINFALL AT Folkestone, Sanatorium

Lat.

Lon.

County of

Kent

Rain Gauge, by

Observer

The Royal Nat. Socy

M Yunge Bateman Esq

1 - Hobbs

Diameter					5						
Height					10						
Altitude					110						
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January					2.20	2.76	1.35	2.59	.98	2.61	
February					1.55	.27	.28	2.17	1.06	1.99	
March .....					.98	1.89	2.72	3.65	1.94	.90	
April					2.26	2.08	1.02	2.39	1.01	3.29	
May					2.69	.25	.20	.72	4.19	2.12	
June					1.84	1.13	3.20	1.62	1.68	.83	
July					4.57	2.94	1.10	.67	.91	1.30	
August					2.09	2.06	4.27	3.59	2.63	.56	
September....					3.29	.63	6.05	2.37	.52	2.68	
October					5.09	4.34	6.13	.20	2.86	3.22	
November....					2.42	4.64	2.26	2.00	2.44	1.96	
December					1.93	2.69	4.17	2.58	2.35	2.02	
TOTALS ...					30.91	25.68	32.75	24.55	22.57	23.48	

1899 St Mary Church $3\frac{1}{4}$ mile W.S.W
 Building 139 ft high 79' 6" NW
 24 - - 105' 6" NNE

RAINFALL AT *Folkestone Sanatorium*

Lat.

Lon.

County of *Kent East*

Smarden Rain Gauge, by *N. 23*

Observer *M. Yunge, Pateman Esq*
Royal Marine

1 - Rother St.

Diameter ..	5											
Height	1	0										
Altitude ..	110	101 ft							102 ft			
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEAN.	
January ..	4.03	.60	1.40	2.32	3.50	1.05	3.30	.98	1.67	.98	1.983	
February ..	5.18	1.53	1.87	1.54	2.31	.78	2.44	1.61	1.47	.66	1.939	
March	1.05	2.47	1.09	1.92	1.63	3.66	2.18	1.05	2.16	3.19	2.040	
April .....	.91	1.57	.70	2.56	1.09	3.07	1.48	2.12	2.10	2.11	1.771	
May	1.20	.90	1.86	3.05	1.98	1.29	1.93	2.64	.98	.81	1.664	
June	3.05	.97	2.23	2.73	1.03	5.13	2.24	1.78	1.12	2.91	2.319	
July	1.13	1.14	1.78	4.72	.96	1.12	.94	1.65	3.44	2.59	1.947	
August	2.19	1.71	3.87	3.91	1.94	2.15	.68	1.95	3.30	2.71	2.441	
September ..	.89	1.15	.60	2.12	1.24	2.59	1.77	.45	1.52	3.04	1.537	
October	1.99	1.84	2.41	4.55	2.32	2.71	4.02	6.46	1.77	8.49	3.656	
November ..	4.08	.98	2.11	3.23	1.18	5.12	6.35	1.81	1.29	.97	2.712	
December ..	3.23	4.87	2.54	2.70	3.09	.78	2.59	2.60	2.82	4.50	2.972	
TOTALS ..	28.93	19.73	22.46	35.35	22.27	29.45	29.92	25.10	23.64	32.96	26.98	

D

1900 published as 29.65 but corrected by Royal Marine

1901 St Marys Church 1820 yards S.W.

Hospital 28 ft by 80 ft N

1902 March 18 large wood 73.3 E

1903 Junction Station 500 yards W.N.W

H. 23

RAINFALL at Folkestone SanatoriumCounty of KentObserver Myung Paterson Esq 1918River Basin Robert C 1A. K. Nichols Esq Ch (15)

Smelter Rain Gauge, by H+3
Glass H+2 inches
correct VII. 19.

Diameter ...	5											
Height	10											
Altitude ...	102 ft									101		
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.	
January ...	3.40	2.13	3.24	3.67	1.06	3.27	1.17	(285)	2.74	2.94		Total 15.19
February ...	2.82	1.13	2.03	.90	2.20	3.61	3.52	(100)	.93	2.14		7.63
March	1.70	2.70	3.79	2.23	4.61	.93	3.87	(160)	1.37	2.40		7.59
April	2.02	1.33	.20	2.61	1.21	1.92	1.96	(170)	.98	2.22		7.24
May	3.03	.86	.62	.82	.78	3.06	2.21	(140)	2.05	.26		6.86
June	2.92	2.21	4.18	.38	2.58	.99	2.66	(200)	.79	.78		5.92
July	2.17	.27	1.48	1.69	1.41	4.92	1.76	(400)	3.10	1.79		6.23
August	1.68	1.20	5.42	3.29	1.15	1.44	2.40	(600)	.98	1.69		10.63
September ..	.56	1.43	2.97	1.88	1.08	3.42	.94	(60)	5.02	1.38		11.07
October ...	4.99	6.89	3.19	4.17	3.33	4.51	5.19	(360)	2.60	1.14		7.94
November ..	6.30	5.81	2.14	2.95	3.14	3.91	4.77	(180)	2.27	4.07		12.53
December ...	3.05	5.26	2.57	1.99	6.17	5.01	3.56	(190)	2.30	3.65		12.91
TOTALS ...	34.64	31.22	31.83	26.58	28.72	40.09	34.01	NR	25.13	24.46		112.00
	D		D	D	D	D	D	(1840)	D			9.41

1910 Typhoid Block 26.5 ft high 65.6 ft 16'45" WGN

inspected CO. Stewart (M. 9. 26th VII. 19. Ref 30266, 1921

S. surrounded by grass & fixed on a low bank from edge of which its distance is 4 ft. Sanatorium building 50ft NW is about 20ft high

at 100 ft

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
1910	51° 5' 8"	1° 16' 46"	Smelter	500 yds	WNW	Parish Ch	1820 yds	SW

RAINFALL at Folkestone SanatoriumCounty of HertObserver A. E. Nichols Esq C.E.River Basin Rother &c 1Dorrough EngineerSnowdon Rain Gauge, by W. J.
No. 2142

Totals

	Diameter ...	5											
	Height	10											
	Altitude ...	101											
Totals	Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 Means	Means
27.23	January ...	3.21	2.16	3.66	1.18	2.22	2.25	2.65	2.51	3.80	1.14	2.45	2.47
21.56	February ...	.47	.29	1.98	3.84	.58	3.56	2.99	4.10	1.19	.76	1.80	1.96
15.31	March	1.09	1.28	1.70	1.65	1.03	1.14	.25	2.94	1.56	.18	2.49	1.39
24.00	April	2.18	1.30	2.30	1.54	2.34	3.47	3.10	1.52	3.18	1.14	1.93	2.18
21.81	May	1.59	.88	.35	4.20	2.82	1.96	1.62	.69	2.93	1.88	3.39	1.98
17.78	June	1.51	.18	1.55	.50	1.49	.54	2.84	4.71	2.02	1.88	.86	1.62
23.34	July	3.26	.30	2.42	.60	3.50	2.51	1.43	4.70	1.16	1.11	2.35	2.12
23.88	August	1.59	1.53	3.17	1.47	3.52	1.20	1.24	3.91	1.55	2.10	2.60	2.17
24.07	September...	3.07	.60	4.63	2.02	2.67	2.24	.48	3.32	.62	.74	3.68	2.19
34.78	October	1.17	.39	2.43	6.26	4.59	3.31	4.23	1.03	5.94	3.92	1.46	3.16
40.34	November...	1.22	2.36	1.66	2.13	2.75	4.27	5.80	3.57	6.04	5.26	5.28	3.67
38.49	December...	3.94	1.69	2.14	2.76	2.99	3.84	.96	4.84	3.49	6.12	2.72	3.23
309.59	TOTALS...	24.30	12.96	27.99	28.15	30.50	30.29	27.59	37.89	33.48	25.43	31.01	28.14

1920 Hospital Buildings 30ft high 60ft N.W.

Inspected 1919.

1921 Gauge moved Jan. 15 0 ft. 8. On approved down free from obstructions

1925 Building 20ft high 150 ft. N

.. Trees 25ft (approx) 60 ft. E

.. .. 70 ft. S

.. Buildings 15ft high 70 ft. W.

Position of Station on reduced Ordnance Survey }
Map, 2 miles to 1 inch Series

No. of Map

Reference No.

Date.	Lat. N.	Long. E.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge	Direction from gauge
1920	51° 5' 8"	1° 11' 46"	Folkestone junction	510	W.N.W.	Parish Ch. St. Peter's	740	S.W.
				500 yds			720 yds	

RAINFALL at Folkestone (Borough Station) *Isolator Hospital* *Thelose* *MNR*

County of Kent

Observer A. E. Nichols Esq., C.E.

River Basin Rother & C.I.

H. O. Jones Esq. C.E.

Type of Gauge.....

3 in. Borough Engineer

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

Diameter	5					5"						
Height	10					1'0"						
Altitude	101					101'						
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Total	Means
January	3.02	1.59	2.97	3.03	2.33	4.87	4.88	3.96	5.41	2.91	34.97	
February	2.50	.61	1.94	0.19	3.68	2.41	5.10	1.35	1.36	2.11	21.25	
March .....	.57	1.32	1.77	2.97	.28	0.85	4.92	.71	2.31	2.54	18.24	
April	3.14	3.47	1.22	2.05	3.32	1.89	2.62	.93	3.09	1.47	23.20	
May	1.87	2.78	2.49	1.09	1.80	0.15	2.09	3.17	1.38	.71	18.53	
June .....	.87	1.48	2.43	.94	2.39	2.54	1.71	1.15	1.75	1.03	16.29	
July	3.23	4.24	1.17	2.22	.27	5.26	1.77	2.18	1.90	2.54	24.78	
August	3.89	.44	.87	1.79	4.40	1.76	1.01	1.83	1.93	.03	17.95	
September	1.32	2.27	5.79	2.34	3.45	3.29	3.11	2.22	1.79	2.93	28.51	
October	1.03	8.89	2.14	1.86	4.03	2.48	2.65	3.35	14.11	3.14	43.68	
November	4.45	1.28	2.16	2.30	6.23	4.43	1.35	3.21	5.91	6.86	38.18	
December .....	.67	.54	.83	6.12	3.31	2.62	7.45	3.07	1.32	2.97	28.90	
TOTALS	26.56	28.91	25.78	26.90	35.49	32.55	39.66	27.13	42.26	29.24	314.48	

Inspected 22/5/44. Gauge looks in ground.
1935. Inspected 12.6.35. G. & site satisfactory.
1936. " 11.9.36. No change. Funnel to gauge resoldered after inspection.
Change of area notified 27.37. Inspected 3/6/37. G. becoming overhauled by
growing trees 20-30' high, 40-60' S. May be necessary to move g. later.

22/5/40. Terminated as a climatological station during the war: rainfall readings bke continued.

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

RAINFALL at Folkstone (Isolation Hospital) (The Leas) +A 41County of KentObserver The Borough EngineerRiver Basin Rother &c.Type of Gauge (T.H.)Annual Average 28.6 in. based on years obs. un-weighted. Period of average Ref File No. 663351.37

Diameter	5"				305	094						
Height	1' 0"					1						
Altitude	101'					41	128'					
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means	
% of average	94	107	80	96	83	116	86	78				Totals
January	2.93	3.80	4.67	1.89	2.48	1.44	1.90	3.40	1.13	1.34		24.98
February	2.48	1.58	1.54	1.34	1.56	3.49	1.74	1.22	1.01	3.65		19.61
March	2.17	2.30	.44	.13	.95	2.49	5.37	.59	.86	.83		16.13
April	1.02	.90	.95	1.64	2.47	1.26	1.54	1.60	1.60	2.44		15.42
May	1.40	3.17	1.42	1.05	2.00	3.47	1.21	1.58	2.00	1.27		18.57
June	.57	.20	1.75	1.30	.66	2.82	2.84	1.41	.57	.80		12.92
July	3.72	2.95	2.05	2.11	1.98	3.16	2.83	2.14	.79	3.12		24.88
August	4.87	2.47	1.48	1.99	2.89	4.33	.08	2.90	.87	2.31		24.19
September	.18	3.43	1.73	3.22	1.43	2.41	1.49	1.96	2.85	2.05		20.75
October	2.30	3.57	1.66	5.93	1.59	1.28	.38	1.17	6.89	.78		25.25
November	3.88	2.32	3.14	4.94	1.97	4.17	2.05	2.24	3.83	6.45		34.99
December	1.50	3.81	2.05	1.99	3.66	2.71	3.09	2.21	1.74	2.85		25.61
TOTALS	27.02	30.50	22.88	27.53	23.64	33.03	24.52	22.42	23.84	27.89		263.27

1946 Rain gauge to be transferred to Christ's site at West Terrace where a down to
with be in position

1946 October - gauge moved to The Leas.

1948 Re-filled 16" pipe by Mr. Hogg. Well kept etc. on the Leas; also added to an glass bottle

1949 Inspected Mr. Hogg 22.9.49. Gauge sound. Exposure satisfactory if et's plywood is moved.
Display board moved to 12 ft. from Gauge

* Used in General Table Origin Unkn

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

Station No. 264 M.W.R.

RAINFALL at FOLKESTONE (THE LEAS)

51

County of KENTObserver THE BOROUGH ENGINEERRiver Basin ROTHER & c 1Type of Gauge (+A)Annual Average 28.1 in. based on 1916-1950 years obs. un-weighted. Period of average 1916-1950

Ref. AWS

File No. 663351/37

2639 is based on 10 - 1947-1956

Diameter ...	5"				3.5	0.94				5"	
Height ...	1' 0"					1				1' 0"	
Altitude ...	128'					51				128'	
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...	3.35	2.55	.99	2.03	4.10	5.00	1.90	2.72	2.97	3.85	29.46
February ...	5.19	1.81	2.25	2.62	1.99	1.66	4.38	2.94	.04	1.79	24.65
March ...	2.43	3.16	.22	3.06	1.78	.51	1.30	1.75	1.79	1.49	17.49
April ...	1.58	.95	1.42	.37	.23	.79	.58	1.19	2.62	1.13	10.86
May ...	2.08	.93	1.68	1.83	4.59	.70	1.45	1.82	.94	2.05	18.07
June ...	.98	.75	2.59	1.46	1.71	2.72	.24	3.75	1.05	1.09	16.34
July ...	1.17	1.15	4.21	3.42	.74	2.97	4.29	2.93	1.87	3.27	26.02
August ...	4.13	2.81	2.47	2.86	1.87	3.10	1.62	4.36	1.07	3.24	27.53
September ...	4.36	4.74	3.28	2.11	1.04	1.76	3.27	2.74	.13	2.43	25.86
October ...	2.47	2.34	2.65	1.57	4.92	1.98	1.13	4.13	3.04	7.22	31.45
November ...	4.18	3.73	1.56	4.49	1.19	.64	3.84	2.06	5.55	5.72	32.96
December ...	2.24	3.32	1.41	1.44	2.23	2.72	1.58	3.87	6.35	4.49	29.65
TOTALS ...	34.16	28.24	24.73	27.26	26.39	24.53	25.58	34.26	27.42	37.77	29.034
	D	D	D	D	D	D	D	D	D	D	

Inspected 31.7.53 by Mr Broadbent. Site satisfactory. Rain-gauge now slightly bent, but abs. with try and remedy. W. Gauge maybe slightly over exposed to wind from South - South West.

1956. Inspected 8th August. Funnel diameter 4.76 x 5.06 - A leak at the apex is being repaired. G. 160ft. from edge of cliff to S. Slightly sheltered by trees.

Leak repaired Sept 1956

Inspected 16.10.55 - Satisfactory leak in gauge repaired.

Inspected 27.8.50 by J.C. Cummings. data can be sent, satisfactory exposed.

Position of Station on Ordnance One-Inch map: No. of Map..... National Grid Reference 61/227353

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

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
	✓ NR 17	✓	✓	✓	✓
	✓	✓	✓	✓	✓