

Holkham

norfolk.

Sam'l Shellabear

Ms. Rec No 112

Diam 9 in + ground 0.0 + sea level 37 ft
 Staff keys - 3.

YEAR - -		1849	MEANS.
January - -		1.50	
February - -		.42	
March - - -		1.35	
April - - -		2.27	
May - - - -		3.73	
June - - - -		2.00	
July - - - -		1.65	
August - - -		.78	
September -		2.19	
October - -		4.10	
November -		2.00	
December -	# 1.48	3.75	
TOTALS -		25.74	

C C

✓

Holkham

Norfolk.

Sam'l Shillabear

My Rec No 112

Diam 9 in + ground 0.0 + sea level 39 ft
stepkeys - 3.

YEAR - -	1850	1851	1852	1853	1854	1855	1856	1857	1858	1859	MEANS.
January - -	1.67	1.92	2.72	2.60	2.55	1.20	2.65	3.06	1.10	1.00	2.127
February - -	1.04	.72	2.75	3.58	1.50	2.75	.95	.38	.50	1.28	1.545
March - - -	1.40	2.92	.58	1.37	.47	1.54	.35	1.40	1.69	1.65	1.337
April - - -	1.58	2.53	.35	1.95	.82	.21	1.35	2.22	1.70	3.90	1.663
May - - - -	1.95	.95	1.57	.89	3.72	1.15	2.20	.90	2.10	1.70	1.713
June - - - -	.42	2.28	3.22	2.00	.95	2.37	.98	1.20	.80	1.51	1.573
July - - - -	5.37	6.16	1.50	3.60	3.95	3.63	2.13	2.16	2.55	1.15	3.220
August - - -	1.41	3.16	3.15	3.38	3.10	2.07	2.23	3.05	2.40	2.90	2.685
September - -	2.39	2.05	4.73	1.57	1.30	.69	4.25	3.05	1.34	2.83	2.420
October - - -	2.35	2.55	3.27	2.48	3.02	5.02	1.65	4.25	2.65	3.50	3.074
November - - -	2.50	4.65	4.65	1.75	2.32	3.22	3.40	2.30	1.72	1.67	2.818
December - - -	1.75	.42	1.87	2.10	2.85	2.12	3.00	.50	1.80	3.15	1.956
TOTALS -	23.83	30.33	30.36	27.27	26.55	25.97	25.14	25.27	20.35	26.24	26.131

C C C C C C C C C C

Holkham

Norfolk.

Davidson

S. Shellabear Esq'r

8 in.

Level

+ 5 Level 39 ft

Stiff keys - 3.

YEAR --	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January --	3.60	1.00	1.14	2.15	.53	2.00	2.40	4.60	2.00	1.98	2.140
February --	2.00	2.35	.50	.43	1.47	2.53	2.98	1.15	1.60	1.92	1.693
March --	2.55	2.25	3.28	.80	2.40	2.77	1.25	1.21	1.92	2.35	2.078
April -----	1.00	1.65	1.37	1.45	.28	.35	1.00	2.17	2.45	1.08	1.280
May -----	3.75	1.70	2.50	.70	1.40	1.48	1.47	2.92	.25	3.00	1.917
June -----	4.30	1.30	2.05	2.60	1.20	1.00	2.05	.58	.25	1.17	1.650
July -----	2.00	1.90	1.75	.62	.50	6.07	2.18	4.25	.17	1.18	2.062
August --	3.53	.55	3.25	1.70	1.00	3.23	2.97	1.10	3.36	1.55	2.224
September -	3.13	1.90	1.60	1.95	1.15	.10	2.90	2.08	2.38	3.17	2.036
October --	2.55	.43	2.08	2.58	.95	4.65	.90	2.05	2.67	2.33	2.119
November -	3.00	5.50	1.50	2.15	2.20	1.70	3.30	.82	1.65	1.90	2.372 +
December -	3.28	1.27	1.70	1.10	1.42	.80	2.00	2.75	4.72	4.00	2.304
TOTALS -	34.69	21.80	22.72	18.23	14.50	26.68	25.40	25.68	23.42	25.63	23.875

+ C C C C C C C C C C

1865 Open every way, read monthly.

Holkham

Norfolk.

S. Shellabear Esqrs

39 62 4

12 in + ground 4 ft

+ Sea Level 43 ft

Stephens - 3.

YEAR --	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January --	3.07	.37	1.14	2.14	.47	1.78	2.18	4.60	2.02	1.86	1.963
February --	1.46	2.33	.51	.43	1.27	3.02	2.93	1.13	1.62	1.85	1.675
March --	2.32	2.11	3.28	.79	2.18	2.73	1.21	1.15	1.90	2.38	2.005
April --	1.00	1.65	1.36	1.40	.30	.35	1.05	2.09	2.45	1.10	1.275 -
May --	3.65	1.69	2.50	.77	1.42	1.44	1.48	3.04	.28	3.06	1.933
June --	4.16	1.28	2.00	2.45	1.24	.93	2.06	.60	.29	1.18	1.619
July --	2.00	1.84	1.82	.62	.51	5.75	2.04	4.10	.17	1.22	2.007
August --	3.32	.64	3.34	1.70	1.01	3.11	2.89	1.08	3.36	1.55	2.200
September -	3.19	1.88	1.60	1.96	1.14	.13	2.57	2.06	2.43	3.12	2.008
October --	2.37	.51	2.08	2.63	.97	4.50	.90	2.12	2.62	2.34	2.104
November -	2.64	5.19	1.49	2.12	2.08	1.62	3.08	.02	1.69	1.97	2.270 +
December -	2.20	1.29	1.75	1.08	1.21	.71	1.89	2.69	5.00	3.91	2.173
TOTALS -	31.58	20.78	22.87	18.09	13.80	26.07	24.28	25.48	23.83	25.54	23.232

+ 1863 The driest season for 15 years, greatest fall in that time, 30.44 in 1851 least fall = 20.35 in 1858 Average (15 yr) 25.64

1865 Max 18th July = 1.35 Gauge read daily in future to be entered to the previous day, open every way

RAINFALL AT Rollesham

Lat.....

Lon.....

County of Norfolk.....

Rain Gauge, by.....

Observer J. Davison Esq!

Staff cups - 3.

Diameter	8										
Height	0.0										
Altitude	39.								33	39	
YEAR	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.
January.....	80	.50	2.10	1.80	1.25	1.70	1.72	2.50	1.43	1.50	1.530
February.....	1.00	1.50	.83	3.18	1.35	1.68	3.26	3.50	1.00	2.00	1.930
March.....	1.63	.68	2.30	1.72	1.05	.77	2.50	2.00	.90	.75	1.430
April.....	.95	3.05	2.60	1.07	1.25	.85	4.47	2.79	.80	2.25	2.008
May.....	-45	1.50	1.70	2.10	1.08	.95	.80	1.25	3.60	2.46	1.589
June.....	1.65	2.13	1.75	1.15	1.30	2.02	2.25	1.10	2.56	2.62	1.853
July.....	1.36	3.10	3.50	2.00	.60	8.31	3.15	3.30	.37	3.60	2.929
August.....	2.20	.60	6.23	1.75	1.65	.99	3.35	3.45	3.87	2.75	2.684
September.....	1.05	4.45	2.65	2.75	2.02	1.80	4.25	1.80	2.17	2.67	2.561
October.....	3.60	1.70	2.55	2.15	2.25	2.30	1.30	1.56	2.37	1.87	2.115
November.....	1.95	1.95	3.85	1.15	2.70	5.63	2.95	2.72	7.62	2.25	3.277
December.....	4.10	1.12	3.38	.60	3.10	2.75	3.45	2.00	1.75	.75	2.300
TOTALS	20.74	22.28	33.44	21.42	19.60	29.75	33.45	27.97	28.44	24.97	26.206

C C C

RAINFALL AT Holkham

Lat.....

Lon..... County of Norfolk.....

Rain Gauge, by..... Observer J. Davidson Esq!

Staff keys - 3.

Diameter	1										
Height	4										
Altitude	43									39	
YEAR	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.
January.....	.79	.47	1.96	1.68	1.05	1.60	1.74		1.32	.40	
February.....	1.02	1.41	.63	2.06	1.20	1.58	2.92		.89	1.61	
March.....	1.61	.66	(2.00)	1.71	1.00	.83	2.39		.86	.57	
April.....	.90	2.88	2.48	1.05	1.18	.83	4.47		.76	2.15	
May.....	- .54	1.05	1.70	1.96	1.07	1.10	.75		3.38	2.50	
June.....	1.65	2.06	1.65	1.23	1.39	1.95	2.13		2.65	2.67	
July.....	1.38	3.01	3.42	2.11	.61	8.43	3.08		.59	3.67	
August.....	2.15	.57	6.23	1.72	1.46	1.09	3.26		3.48	2.87	
September.....	1.15	+ 4.42	2.70	2.72	1.99	1.81	3.91		2.42	2.80	
October....	3.15	1.66	2.51	2.04	2.26	2.55	1.21		2.55	1.38	
November.....	1.78	1.60	3.56	1.15	2.52	5.91	2.63		7.32	1.95	
December.....	+ 4.08	1.22	3.30	.54	2.67	2.05	2.76		1.92	.57	
TOTALS	20.20	21.01	32.14	19.97	18.40	29.73	31.25 (2700)	28.14	23.14	25.09	8

C C C

1872 March Gauge leaked 1877 Gauge leaked /

1877 computed roughly from
other S. at D.H.

RAINFALL AT Holkham

Lat.

Lon.

County of

Norfolk

Rain Gauge, by.....

Observer

J. Davidson, Esq.

Stiffkey - 3.

Diameter	12										
Height	H. 0										
Altitude	39 L										
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January16	.83	1.73	2.04	1.70	(2.10)	(1.30)	.89	.50	.56	1.181
February	1.23	2.65	1.45	2.46	.50	1.95	.70	.49	1.67	1.14	1.424
March	1.04	1.62	.92	1.33	.98	1.00	(2.50)	(2.26)	2.14	1.35	1.514
April	1.74	.88	1.90	1.96	1.44	1.18	1.55	.84	1.15	1.70	1.431
May93	.68	1.22	1.61	.88	1.73	2.62	1.92	.67	3.61	1.587
June	2.70	1.43	3.88	3.47	.60	2.08	1.10	.40	1.00	1.20	1.786
July	3.52	1.47	1.78	2.31	2.79	1.12	3.31	1.17	4.17	2.11	2.375
August	2.79	3.47	2.00	1.12	1.66	.77	2.80	1.77	3.28	3.14	2.280
September	3.92	3.25	2.48	5.37	2.33	3.73	1.23	2.38	1.37	2.82	2.888
October	5.03	2.36	3.99	3.12	2.99	6.29	(4.60)	3.21	1.34	3.07	3.600
November	2.43	2.03	3.42	3.14	1.99	2.46	(2.40)	1.75	1.94	1.65	2.321
December	2.28	1.98	3.04	1.74	2.21	(1.25)	(1.85)	1.15	.70	1.21	1.741
TOTALS	27.97	22.65	27.81	25.67	20.04	25.66	(25.96)	(18.23)	19.93	23.56	24.128

1887 March Gauge out of order

1886 Jan - Mar and Oct - Dec distributed for monthly average by
Bunham over 23. III. 14 88. Totals estimated from only.

RAINFALL AT *Holkham*

80

Lat.

Lon.

County of

Norfolk

Rain Gauge, by

Observer

J. Davidson, Esq.

Steps - 3.

Diameter	12	8									
Height	0	0		1.							
Altitude	35-										
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January16	1.00	1.87	3.10	1.85	2.65			0.86	1.00	
February	2.00	3.10	1.55	2.72	.51	2.12			.52	2.37	
March	1.12	1.87	1.22	1.52	1.00	1.00	1.12	1.73	2.56		
April	1.80	.87	2.00	1.87	1.44	.99	1.55	.75	1.25		
May87	.62	1.15	1.50	.80	1.63	2.62	2.00	.72		
June	2.75	1.50	3.90	3.50	.50	2.08	1.10	.40	1.00		
July	3.65	1.50	1.76	2.37	2.75	1.12	2.75	.75	4.17		
August	2.50	3.44	2.00	1.12	1.52	.77	2.62	1.79	3.50		
September	4.00	3.37	2.37	5.75	2.32	3.85	1.23	2.25	1.48		
October	5.30	2.50	3.63	3.37	3.05	6.75	2.60	3.74	1.53		
November	2.50	2.30	3.60	3.37	2.37	2.70		2.05	2.00		
December	2.55	2.42	3.12	2.00	2.45	1.36		1.30	.83		
TOTALS	29.20	24.49	28.17	32.19	20.56	27.02		18.14	22.41	mp	

1881 Feby The Registrar General printed the mean of the two gauges & in June the reading of the other gauge.

N.B. Values for 1887-8 rejected when Rainfall Survey map prepared in Nov. 1926.

RAINFALL AT Holkham ? Hall.

Lat.....

Lon.....

County of.....

Norfolk

Rain Gauge, by

Observer

J Davidson Esq

Stephens - 3.

Diameter	12										
Height	40										
Altitude	39			35			43				
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	2.08	.51	.62	1.29	1.66	2.00	1.00	(1.31)	.87	1.21	1.255
February52	.36	1.85	2.00	.91	2.25	.57	(2.08)	1.04	.53	1.211
March	2.39	1.19	.47	.43	.79	1.07	3.24	(2.02)	.73	1.59	1.392
April52	.98	1.28	.12	1.47	.73	1.11	(1.47)	.72	1.78	1.018
May	1.39	3.00	1.77	.71	1.65	1.39	.47	(.98)	2.29	2.54	1.619
June	2.96	3.39	2.14	1.57	3.21	.75	1.48	(1.70)	2.34	.58	2.012
July	3.17	2.56	2.26	4.49	2.99	1.51	2.98	(.88)	.78	1.35	2.297
August	2.03	3.42	1.34	.87	1.43	2.66	2.30	(2.47)	2.41	.77	1.970
September28	.71	1.78	.49	1.38	.50	3.70	(4.06)	.06	3.33	1.629
October80	3.36	6.50	1.84	2.24	2.21	3.22	(.74)	1.93	2.23	2.507
November	2.11	1.62	1.43	2.79	2.36	2.03	.91	(.40)	2.32	1.54	1.751
December62	2.57	.61	1.32	1.34	1.37	2.90	(2.04)	1.32	1.78	1.587
TOTALS	18.87	23.67	22.05	17.92	21.43	18.47	23.88	(20.15)	16.81	19.23	20.243

1897 computed from Burnham Overy,
and distributed by ditta for monthly averages 23 III 14 D.S.S.

RAINFALL AT

Holkham

Lat.

Lon.

County of

Norfolk

Rain Gauge, by

Observer

J. Davidson EsqStiffkeys - 3.

Diameter							8				
Height							1000				
Altitude							35	39			
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January						2.00	1.06				
February						2.25	.60				
March						1.27	3.30				
April75	.90				
May						1.25	.45				
June70	1.25				
July						1.75	2.70				
August						2.50	2.25				
September50	3.54				
October						2.60	3.15				
November						2.08	1.00				
December						1.50	3.00				
TOTALS						19.15	23.20	No Reply			

N.B. Values rejected when Rainfall Survey
Map prepared in Nov. 1926.

RAINFALL AT Wells Holkham Hall

Lat. $52^{\circ} 57' 10''$ NLon. $0^{\circ} 48' 0''$ E County of Norfolk

Rain Gauge, by No 3

Observer R. H. Earl of Leicester K.C.

Staff keys - 3.

near W. Tower Esq

Diameter ..			12								
Height ..			40								
Altitude ..			39								43
Year ..	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..	(3.00)	(.59)	1.03	1.41	.97	.65	3.72	1.00	.84	.59	1.380
February ..	(3.36)	(1.91)	1.24	.54	3.06	1.08	1.52	1.03	1.13	.20	1.607
March ..	(1.16)	(2.66)	1.01	2.21	1.45	1.96	1.60	1.48	1.67	2.60	1.780
April	(1.19)	(1.41)	1.69	1.79	.56	1.35	.76	2.66	2.75	1.72	1.588
May	(1.30)	(1.00)	2.64	1.82	2.01	1.08	1.49	2.77	.90	1.28	1.629
June	(2.09)	(2.55)	2.13	2.28	.41	1.75	1.95	2.08	.83	3.32	1.939
July	(3.02)	(1.50)	1.34	4.31	3.28	1.55	.50	1.92	3.19	3.35	2.396
August	(4.33)	(1.19)	2.60	3.84	1.06	3.11	4.13	2.35	2.10	2.83	2.754
September ..	(1.63)	(1.11)	1.13	3.31	1.66	2.36	.85	.71	1.56	1.63	1.495
October	(2.00)	(1.92)	2.00	5.76	1.57	3.15	4.59	3.80	.70	4.04	2.953
November ..	(2.16)	(2.26)	1.19	1.88	1.54	2.13	3.08	1.75	1.29	.94	1.822
December ..	(3.36)	(3.60)	1.59	1.35	1.80	.78	1.75	3.00	1.22	4.40	2.285
TOTALS ..	(27.60)	(21.70)	19.59	30.50	19.37	(20.95)	25.94	24.55	19.18	26.90	23.628

= m p m p m p m p 5

1903 Holkham Church 1/2 Miles N.W.

Station 1 mile N.N.E

Yew trees 20 ft high 13' 6" D

Shrub 4' 6" 1' 6" S

1905 Observer says falls of less than .05 in. are not registered but allowed to accumulate & measured when fall exceeds .05 in.

1900 + 1901 years proportioned from Blakeney by 1902 - 1909 ratio and months distributed roughly for monthly averages 23.11.10. DSS.

RAINFALL at Wells Norfolk Hall

1451
10

County of Norfolk

Observer Earl of Leicester G.C.Y.O.

W.H. Hall
3532

~~7-5-70~~
Turner (14)

River Basin. Stiff Keyp + C 3

Rain Gauge, by 743 (II)

Cecil F. Hodgkinson
1817

1910 ? small
1911 Hedge 6' 6" high & 9 ft N
Shrub 12.0 . 12 . 11 m ? new gauge 1911

Date.	Lat. N.	Long. E	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
52° 57' 10"	0.48° 0'	Holkham		1 mile	NNW	Holkham	1 m	NW

RAINFALL at Wells

Holkham Hall

County of Norfolk

Observer: Mr. G. P. Penruddick

River Basin

Stiffkey - 3

Sydney Turner Esq. (Agent)

(1929) M.D.

(1925) British Ass. Rain Gauge, by H. G. 1921

G. sound & read by means of side tube
is mounted in wooden box so that rim
of g. only 42 in. above top of box (6.6 in square)

Diameter ...	12 ✓					12		12	5		
Height	3.0	3.6				4.0	4.6		1.0	0.3	
Altitude ...	39						43		43		
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	MEDIAN 1930
January ...	1.93	2.37	4.61	1.48	1.96	1.04	2.93	2.06	4.15	1.92	1.70
February78	.78	2.44	2.40	1.04	2.38	1.59	1.49	1.62	.62	1.10
March	1.40	.89	1.78	1.09	.32	1.40	.29	1.59	1.58	.16	1.88
April.....	2.10	1.63	1.74	1.25	1.54	2.18	2.42	2.54	1.25	.86	1.52
May	1.56	1.23	.56	1.69	2.75	2.42	2.08	.96	1.31	1.26	2.13
June	1.78	.64	1.25	.79	1.34	.33	2.31	4.07	2.21	1.90	3.73
July	3.02	.40	4.51	3.33	1.88	1.07	1.21	2.51	1.53	3.08	5.15
August	1.75	2.42	1.99	1.67	2.38	1.67	1.30	4.14	2.06	1.04	1.68
September...	1.93	.65	3.06	1.36	1.95	3.02	.95	3.23	.60	.75	4.18
October.....	.40	2.80	1.24	3.03	4.46	1.88	2.47	2.82	2.68	2.62	.94
November...	.92	1.62	1.37	3.39	1.86	3.92	3.06	2.87	2.69	3.71	3.82
December...	2.60	1.89	2.90	2.60	1.81	2.17	.81	2.14	1.93	4.61	1.57
TOTALS...	19.97	17.52	27.45	24.08	23.29	23.48	21.42	30.72	23.61	22.53	29.40
	3	3	d	d	d	d	d	d	d	d	26347

1921. Trees 25 ft high 20° N.

1925. Buildings 30 ft " 120 ft S.

" 25 " " 90 " E.

" 15 " " 50 " W.

Wall 10 " " 60 " N.

Inspected 23.IX.26. G. on lawn enclosure used for drying clothes. Buildings sound subtend angle of 20° to E. + W., 15° to S & trees subtend angle of 40° to N. Fairly good exposure but gauge sits back 1 ft. & risk of inundation from top of wooden case.

1930. Buildings 30' high 120' S.

New gauge 1926.

" 25 " " 90 " E
" 15 " " 50 " W
Wall 10 " " 60 " N

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
	52° 57' 0" N	0° 48' E	Holkham	1 1/4 mi	N.E.	Holkham	1 1/4 mi	N.W.

RAINFALL at Wells (Holkham Hall).

County of Norfolk.

Observer Earl of Leicester, G.C.V.O.

River Basin. Stiff Keys D C - 3.

Type of Gauge M0

Annual Average 22.1 in. based on 35 years obs. un-weighted. Period of average 1881/1915..... Ref Av. Working Sheets
720621/26

1931. Buildings 30' high 120' S
 " 25' " 90' E
 " 15' " 50' W
 Wall 10' .. 60' N

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
1931			Holkham	1 1/4	N	Holkham	3/4 mi	NW

Station No.....

M. 14451

RAINFALL at Wells (Aylsham Hall)

41

County of Norfolk

Observer Earl of Leicester G.C.V.O

River Basin Stiffkey &c -3

Type of Gauge M.O.

Annual Average 23.1 in. based on 35 years obs. un-weighted. Period of average 1881/1915 Ref Av. working sheets

* this average does not take account of

File No. T20621/26

Diameter	5"										
Height	0' 3"										
Altitude	43'										
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	1.88	2.72									
February	2.15	1.50									
March	2.59	1.04									
April	.81	1.06									
May	1.65	2.33									
June	.81	1.89									
July	3.19	2.87									
August	3.02	2.38									
September	.76	1.91									
October	3.28	2.82									
November	2.39	(3.20)									
December	.76	(2.10)									
TOTALS	23.29	(25.82)	d	d							

1942 Nov 2 Dec 1 estd

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