

(1917)

are not Hexangular like Crystals, but oftentimes of the form of a Chiffle.

I saw a little Particle of Crystal, which tho very small, I could perceiv to be of a Triangular shape, two Angles of it being a little larger than the third, as is represented in Fig. 13. between N and O.

I saw also some Salt Figures like Fig. 8. between A and B, but they had a thickness in 'em which was visible to the Eye, besides a great many other irregular Salt Particles, which were so very numerous in a small quantity of Water, that I was astonisht at it.

I caused the Water, that almost always surrounds the Salt Particles, to exhale leisurely by the warmth of a Candle, and then I could discover a great many coagulated small Salts without any visible figure.

II. *A Register of the Weather for the year 1692, kept at Oates in Essex.* By Mr John Locke.

I Herewith send you the Copy of my Register of the Weather, from the 9th of Decemb. 1691. to the end of the year 1692. It is fit I explain a little to you some things in the Table, for the better understanding of it.

The first Column, having D at the top, contains the day of the month.

That with H, the hour of the day, which beginning from one of the clock in the morning, I count round in one continued series to 24, which is 12 a clock at night.

The Column *Ther* is that of the Thermoscope, which was a sealed one, whereof you will find a larger account hereafter.

Qqqqqqqqqqq

The

(1918)

The Column *Bar* marks the height of the *Mercury* in the Baroscope.

The first number is the inches of its height, the second number marks the 20th parts of an inch above that inch marked by the first number.

The Column *Hyg.* is that which marks the moisture of the Air. The Instrument I used was the beard of a Wild Oat, of which each turn was divided into sixteen degrees.

The Column of the Wind mark'd the point the Wind was in, but not always exactly, because the Weather-cock visible out of my Window was stiff, and turn'd not easily, nor was the House it stood on situate exactly East and West; so that it was not easie by the standing of the Weather-cock to know exactly the point of the Wind: Wherefore I contented my self to set down barely one of the 4 cardinal points, when the Wind was pretty near it; and when it was more remote, the two cardinal points between which it was, putting the Letter of the cardinal point first to which it was nearest; as when the Wind was between the South and the West, if it were nearer the West than the South, I writ W. S. and so of the rest.

I marked besides the force of the Wind, which I divided into four degrees. 1. When it just moved the Leaves. 2. When it blew a pretty fresh gale. 3. When it was a hard and whistling Wind. 4. When it blew a storm. Though these divisions were not made with that exactness as they might have been, had one had an Instrument on purpose, yet they may give some help to those who would make observations from such Registers as these. (o) was when there was not Wind enough to move a Leaf as I could see.

As to the Weather. *Cloudy* signifies more of the Sky (visible out of the Windows of my Study, which were East and South) cover'd with Clouds, than not. *Fair* the contrary.

Be-

(1919)

Between when it was uncertain whether more of the Sky was cover'd or clear. *Cover'd* when no part of the clear Sky appear'd. *Close* when the Sky was cover'd with one uniform thick Cloud.

I have often thought that if such a Register as this, or one that were better contriv'd, with the help of some Instruments that for exactness might be added, were kept in every County in *England*, and so constantly published, many things relating to the Air, Winds, Health, Fruitfulness, &c. might by a sagacious man be collected from them, and several Rules and Observations concerning the extent of Winds and Rains, &c. be in time establish'd, to the great advantage of Mankind. Whether you will think it worth the Royal Society's consideration and promotion, I leave it to you. From this solitary one there is little to be collected. The pains is so little, that I indulg'd my Curiosity, when it cost me the writing not so much as a line a day. For, though besides the ordinary Observation, which I set down commonly every morning, there seldom happen'd any Rain, Snow, or other remarkable change, which I did not set down. But as you see, a few Letters and Figures do it; such as it is I send it you, and if it may be of use to any one I shall be glad.

N. B. That the Thermoscope mark'd 4, which I made use of till *Mar. 7. 1701.* was one of those sold by Mr *Tompson*, wherein 0 mark'd Temperate, and the Figures from thence increasing both upwards and downwards, shew'd the increase of Heat and Cold from Temperate. *Sept. 22. 1701.* I began to use a new sealed Thermoscope, adjusted to a Scale made by Mr *John Patrick* in the *Old Baily*, who places 0 at the top, supposing it to be the Heat under the line, and so the Figures increase downwards, with the increase of Cold. Temperate being placed at 45. This Thermoscope is marked 5 in my Register.

(1920)

D E C E M B E R, 1691.

D	H	Ther.	Bar.	Hyg.	Wind.	Weather.	Decemb. 1691.
		4					
9	16	1.	230. $\frac{4}{18}$		S 1	Fog.	
10	17	2.	1	4	SE 1	Fair.	
11	10	3.	1	4	SE 1	Fog.	
12	9	3.	6	3	E 1	Frost, Clofe.	
13	9	3.	4	30. 0	E 1	Clofe.	
14	9	3.	7	29. 17	E 2	Frost, Fair.	
15	9	4.	2	30. 0	E 3	Frost, Fair.	
16	9	4.	4	4	E 3	Frost, Fair.	
17	9	4.	6	6	E 1	Frost, Fair.	
18	9	4.		5	NE 1	Clofe.	
19	9	3.	3	3	NE 1	Fog, Thaw.	
	24		29. 19		1	Cloudy, a little Rain next morning.	
20	10	3.	4.	18	N 1	Clofe.	
21	9	3.	6	19	N 1	Fog, Frost.	
22	9	4.		18	N 1	Clofe.	
24	10	2.	6	14	SW 2	Cloudy.	
25	21	2.	1	15		Fair.	
26	21	1.	7	13	W 3	Clofe.	
	24			12		Rain before next morning.	
27	18	1.	6	6			
28	16	2.	6	9	SW 2	Fair.	
	22			8		Rain.	
	24			7	S 2	Rain hard.	
29	9	3.		4		Clofe, & some time aft. Rain	
	19	2.	7	4		Snow beginning at 6.	
30	8	3.	7	10	N. W	Fair.	

(1921)

D	H	Ther.	Bar.	Hyg.	Wind	Weather.	Decemb. 1691
		4					
31	9	4. 7	12		N W 0	Fair, hard Frost.	
	17	3. 3	10		S E 1	Cloudy, Thaw	

J A N U A R Y, 1692.

1	9	3. 7	29. 11	47	S E 1	Clofe, Snow at 10.	
2	9	3. 7	14	42	W 1	Fair.	
3	9	3. 5	8	41	S 2	Clouds.	
4	8	3. 6	11	43	S 1	Cloudy.	
5	9	3. 7	13	43	S 1	Cloudy.	
6	8	4. 3	11	36	S 2	Clofe.	
	16	4. 3	8	36	E 3	Clofe.	
	20	4. 2	6	41		Snow.	
7	10	4. 1	7	45	E 2	Clofe.	
	24	3. 7	17			Clofe.	
8	9	4. 1	30	45	N E 1	Clofe.	
9	9	2. 6	29. 18	50	S 3	Clofe.	
	20		15			Rain.	
10	9	2. 7	18	44	S W 1	Fair.	
	12			26		In the Shade.	
11	9	2. 6	30. 4	48	W N 1	Clofe, with a little Fog.	
	24	2. 5	30. 8	41		Very fair all the afternoon, now clofe.	
12	9	2. 7	9	44	W 1	Misty.	
13	9	3. 4	9	46	S 1	Clofe.	
14	9	3. 7	7	48	E 1	Fog.	
15	9	4. 4	6	31	E 1	Fog, Frost.	
16	9	4. 5	2	45	N 1	Fair, hard Frost.	
17	10	4. 1	29. 18	43	N E 2	Clofe, hard Frost.	
18	8	4. 1	12	35	N W 2	Fair, Rain and Snow for an hour about 16.	

D

(1922)

D	H	Ther.	Bar.	Hyg.	Wind	Weather.
		4				
19	9	3.	7	9	44 N W 2	Snow till 13
20	8	4.	5	5	43 N W 1	Fair. Some Clouds. Snow in the afternoon.
21	9	5.	7	6	N 2	Fair. Snow in the afternoon.
22	9	5.	6	9	18 N W 2	Very fair, hard frost.
	10	6.	2			In a Northern Closet without Fire at any time.
	24	6.	5 $\frac{1}{2}$			In the same Closet, very hard Frost.
23	9	5.	7	11	31 N W 2	Fair, Snow a little at 14.
24	9			11	28 N W 1	Cloudy, hard Frost.
25	9	5.	6	10	31 N W 1	Fair, hard Frost.
26	9	6.	0	9	32 N W 1	Cloudy, hard Frost.
27	7	5.	3	7	33 N 1	Cloudy, hard Frost.
28	9	4.	6	4	33 N 1	Snow in the night, and Snow still.
29	9	5.	6	2	32 W 1	Cloze, Snow all afternoon.

N. B. I suspect that from the 23d to the 29th inclusive, the Hygroscope has been counted 16 Degrees, *i. e.* one whole turn too high, it being all that while very hard Frost.

30	9	4.	4	2	N W 2	Snow.
31	9	5.	3	8	N W 1	Cloze.

F E-

(1923)

FEBRUARY, 1692.

D H Ther: Bar. Hyg. Wind. Weather. February, 1692.

		4				
1	8	5. 0	10	19	W	Fog.
2	9	5. 6	11	19	W 1	Fog.
3	8	5. 7	11	20	W 1	Fog.
4	9	5. 5	9		E 2	Clofe.
5	9	5. 4	7	26	E 3	Clofe, Snow in the evening.
6	9	5. 1	29. 0	20	E 1	Snow.
7	9	4. 6	2		N 1	Clofe Fog, little Thaw at 12.
8	9	4. 6	29. 0	40	NE 2	Fog, Snow in the night.
9	8	5. 3	29. 0		NE 2	Snow.
10	9	5. 5	1		NE 2	Clofe.
11	8	6.	8		W 1	Fair.
12	9	7. 0	11		NW	Clofe, Freezing excessively.
13	9	4. 2	5		SW 1	Clofe Thaw. It may be observed between the Thermoscope to day and yesterday morning, there is the difference of two whole Degrees and $\frac{1}{2}$, a greater rise than one shall ordinarily find. The Thermoscope was unmoved in a corner of a very large room, out of all reach of the Fire whereby it might be alter'd.
14			7			Clofe.
16	2		10			Clofe.
17	19		9			Fog.
18	12		5		W	Snow.
26	2		11		W 2	Clofe.
27	9	2. 3	29. 8		W 2	Fair. Rain from 15 to 19.
28	9	3. 1	6		W 1	Clofe, Snow last night.
29	9	3. 6	6		SW 2	Cloudy. Snow last night.

MARCH

(1916)

MARCH, 1892.

D	H	Ther.	Bar.	Hyg.	Wind.	Weather.	March, 1892.
		4					
1	8	2.	7	28.	17	S W 3	Fair.
2	8	3.	1	29.	5	S W 3	Fair.
3	7	2.	6		8	W S 2	Fair.
	16	1.	4		8	W S 1	Rain very gently till 20, hard till 23.
4	9	3.	1		14	N E 2	The Ground cover'd with Snow. Close.
5	9	3.	4		18	W 2	Cloudy.
6	9	2.	4		11	W 2	Rain till 16.
	16	2.	0		9	W 1	Rain.
	22	2.	2		10		Fair.
7	9	3.	5		10	W 2	a little dropping.
	12				9	W N 2	Snow for $\frac{1}{2}$ hour.
8	9	3.	3		14	W 1	Fair.
9	8	3.	3		15	25 S W 2	Fair.
10	9		6		19	17 S 1	Fair.
	17	2.	2		18	19 W 2	a little Rain.
11	9		1		19	25 W N 1	Close.
12	9		5	30.	1	23 N W 1	Close.
	14	2.	0	30.	0	24 W N 2	Close. Small Rain at 15 till 16.
	16	1.	7	29.	19	40 W N 1	very gentle Rain.
	23		7		16	N W 2	hard Rain for 3 or 4 hours past.
13	9	2.	3		13	W N	very gentle small Rain.
	12				11	N W 2	Fair.
14	9	2.	6		11	27 N W 2	Close.
	16		5		13	25 N E 3	Fair.

D

(1925)

D H Ther. Bar. Hyg. Wind. Weather. March,, 1892.

D	H	Ther.	Bar.	Hyg.	Wind.	Weather.
		4				
15	8	4.	0	16	26	NE 2 Close, Frost last night.
16	9	3.	4	14	25	NW 1 Close.
	13		0	13	20	NW 1 Fair. Rain in the night.
17	9	3.	0	8	25	NE 1 Close.
	13			7		SE 1 Cloudy.
	18	2.	2	6		SE 2 Close.
	19			5	29	Small Rain.
	23			4	35	Close. Much Rain in the night.
18	8	2.	3	1	41	WS 2 Close.
19	9		6	3	34	SW 2 Cloudy.
20	9		2	2	31	S 2 Cloudy. Rain last night, Houses yet dropping.
21	8		3	3	29	0 Close.
	14	1.	3	3	27	NE 2 a very little Shower.
22	8	3.		6	27	NE 1 Close, a little very little Snow in the aftn. ☽ rising.
23	8	3.	5	10	26	I Clouds.
	17	2.	7	10	20	SW 1 Close.
24	8	3.	5	29. 14	24	SW 1 Very fair, little Snow and Hail about 13, the ☽ falling a little.
25	8	2.	7	10	27	SW 2 Fair.
26	8	1.	6	2	35	3 Rain very little at night.
	12			5		SW 4 Close.
	18	1.	0	7	29	SW 2 Close.
	24			7	34	1 Hard Rain, the ☽ a little fallen.
27	8	1.	0	7	37	WS 2 Close.
	17	0.	2	2	33	W 1 Small Rain.
28	7	0.	7	12	33	W 1 Close.

R r r r r r r r r r

D

(1926)

D	H	Ther.	Bar.	Hyg.	Wind	Weather.
		4				
	16	0.	5	12	30 W 1	Fair.
29	8	1.	6	10	32 W 1	Rain. Rain a great deal last night.
	13			8	2 N 1	Clofe, mifling Rain all this morning till now.
	15			7	N 1	Clofe
	22	1.	6	5	31	Fair.
30	8	2.		1	32 W 2	Clofe, Rain last night.
	15			2	N W 3	Rain, as almost all this morning.
	19			3	N W 3	Rain gently, as the great part of this afternoon.
	24			6		Fair.
31	9	3.	1	6	29 N W 1	Fair.
	24			3		Clofe, Rain in the following part of the night.

A P R I L, 1692.

1	9	2.	6	2	32 S 1	small Rain.
	24			1		The greatest part part of the foregoing day gentle Rain.
2	9	1.	7	28.	16 39 S E 2	Clofe, Rain a great deal last night, so as to make a Flood
	16		1	17	S W 2	Fair.
	24			19		Clofe, Rain in the following part of the night.
3	9	2.	2	29.	0 23 N 2	Clofe.
	14	1.	7	2	32 N W 3	small Rain.
4	8	3.	4	10	30 N 2	Fair.

(1927)

D	H	Ther.	Bar.	Hyg.	Wind.	Weather.	April, 1692
		4					
5	8	3. 2	19	26	NW 1	Cloudy.	
	14	2. 1	19	26	NW 1	Rain, the ☽ a little risen, the Rain lasted about an hour.	
	14	2. 1	19	26	SE 1	Rain.	
	17	2. 1	19	26	SE 1	Rain.	
6	8	3. 2	30. 3	27	NE 1	Cloudy.	
7	8	3. 0	4	25	N 1	Fair.	
	3		2	25		Clofe.	
8	8	2. 4	2	23	NE 1	Clofe.	
	42	1. 7	1	22		Clofe.	
9	8	2. 0	29. 19		NE 1	a little Fog.	
10	9	3	30. 0	21	NE 2	Fair, ¹³ 23 ¹⁶ 16.	
11	8	4	2	17	NE 1	not a Cloud 16 ¹⁵ .	
12	8	2	1	12	NE 1	scarce a Cloud 15 ¹⁴ .	
13	8	1. 4	34. 0	7	NE 1	not a Cloud.	
	13	0. — 2	29. 19	3	E 1	not a Cloud, but a thick air call'd a red Wind.	
14	8	1. — 0	16	10	NE 1	high Clouds.	
	23	0. — 3	15	8		Clouds.	
15	7	0. — 3	15	9	NE 1	very fair.	
16	8	0	18	8	W 2	very fair.	
17	9	0. 3	17	6	SW 2	very fair.	
	23	0. — 6	16	7		small Rain for a little while.	
18	19	0. 1	15	18	SW 2	Cloudy.	

In the Clofet on the North side of the House.

15	0.	3	14	16	SW 2	Clofe.
23	0.	2	14	18		Rain.

(1928)

D	H	Ther.	Bar.	Hyg.	Wind.	Weather.	April, 1892.
		4					
19	9	1. 0	15	18		Fair.	
	16	0. 5	15	16	S W 3	Clofe.	
20	9	0. — 2	15	16	W 1	Fair.	
	9	0. —	6	18	S W 2	Clofe, a little Rain this morning.	
21	23	0. 4	1	27	2	Rain, as it had been most part of the day.	
22	8	1. 1	29. 0	17			
30	24	2. 3	4	21	N E 3	Rain, and all the day before Rain.	

M A T, 1892.

1	10	2. 2	8	29	N E 2	Cloudy.
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In the Chamber, on the South side of the House.

2	8	2. 1	12	29	N W 2	Cloudy, Rain last night, & was at 23 last night as now.
	18	3	11	27	1	Fair. 2 or 3 showers since 8.
3	9	2	14	29	N E 1	Fair.
4	11	1	14	26	N W 1	Fair.
5	8	2. 6	16	22	N W 2	Clofe.
6	8	6	16	24	N W 1	Fog.
7	8	0. — 2	14	21	W 1	Fair.
	19		13			Rain.
8	9	0. — 3	17	16	N E 1	Cloudy.
9	8	0. — 1	19	13	N E 1	Fair.
10	7	2	19	12	N E 2	Fair.
13	17	0. — 2	19	5	N E 2	Fair.
14	10	1. 0	19	12	N E 2	Fair.

(1929)

D	H	Ther.	Bar.	Hyg.	Wind.	Weather.	May, 1892.
		4					
15	9	0	19	12	NE 1	Rain a little.	
	16	0	19	13	NE 1	A few drops, the ☽ sunk a very little.	
16	7	0	17	13	E 1	Fair.	
17	8	0	29. 14	8	NE 1	not a Cloud.	
18	7	0	29. 12	5	S 1	Clouds, a little shower about 10.	
19	9	0	12	6	W 2	Cloudy, <i>i. e.</i> more Clouds than clear Sky.	
20	9	3	10	5	SE 1	Cloudy.	

N. B. Cloudy signifies more of the Sky cover'd than clear.
Fair signifies more open Sky than cover'd with Clouds.

21	9	0	9	6	SW 1	Cloudy.	
	18	0	9	5	SW 1	Rain for about an hour.	
22	7	0	12	6	NE 1	Close, <i>i. e.</i> the Sky nowhere to be seen for Clouds, a shower about 17.	
			18	7	W 1	Fair, <i>i. e.</i> more Sky than Clouds.	
			18	8	SW 1	Very fair.	
			18	7	WN 2	Hard Rain about $\frac{1}{4}$ of an hour.	
			1	18	7	SW 2	Hard Rain.
24			17	8	NE 1		
25	8	5	14	8	SE 1		
26	8	1	10	6	EN 1		
	18	3	10	8	NE 2	Close, a Thunder shower at 19, the ☽ being risen to 11.	
27	7	7	12	7	NE 2	Close.	

|||||

D

(1930)

D	H	Ther.	Bar.	Hyg.	Wind	Weather.	June, 1692.
		4					
28	7	0	14	7	N E 2	Cloudy.	
	12	0	14	9	N E 2	Cloudy.	
29	8	1.	13	10	W 2	Cloudy.	
	13	1.	13	10	W 2	Rain.	
30	6	0	15	8	W S 1	Clofe.	
	11	0	13	8	S W 3	Rain till night.	
	14	0	11	9	S W 3	Rain.	
	21		3	14		3	Rain hard.
	24		3	17		4	Clofe.
31	7	0	1	14	W 4	Cloudy.	
	24			2	W 4	Cloudy.	
	24		1	4	12	2	Fair.

J U N E, 1692.

1	7	0	6	12	W 3	Fair.	
2	7	0	4	13	W 2	Cloudy.	
	10	0	4	13	W 4	A shower for about $\frac{1}{2}$ an hour, and then Fair and Calm again, at 11 Rain again, the $\frac{1}{2}$ a little raised. Several showers in this day.	
3	8	0	13	14	W 1	Clofe.	
	9	0	14	14	W 1	Rain a little.	
4	6	0	14	13	S 1	Fair.	
	23	0	7	13		1	Clofe.
5	9	0	4 $\frac{1}{2}$	13	S W 3	Cloudy.	
	12	0	4	14	S W 2	Hard Rain $\frac{1}{4}$ hour, several such showers this aftern.	
6	7	0	29.	5	14	S W 1	Cloudy.
	10	0	5	14	S W 2	Hard Rain $\frac{1}{4}$ hour.	
7	7	0	6	13	S E 2	Betwixt Cloudy and Fair.	

D

(1931)

D H Ther. Bar. Hyg. Wind. Weather. June, 1692.

D	H	Ther.	Bar.	Hyg.	Wind.	Weather.
		4				
11	0	1	6	13	S E 2	Hard Rain $\frac{1}{4}$ hour, and a very great shower 1 hour, & standing as it was.
8	0	4	7	13	0	Fair.
9	9	1	6 $\frac{1}{2}$	15	W S 1	Rain a good part of last night, & all this morning.
24	0	6	11	18	2	Rain all the afternoon till 20 or 21, the & all the while rising, now Close.
10	9	4	12	18	0	Close, Rain the past morn.
11	9		13	19	S W 2	Cloudy.
	10	1	14	19	S W 2	Rain $\frac{1}{2}$ hour.
12	10	1	17	17	S W 2	Very Cloudy.
13	10		17	19	W 1	Cloudy.
14	10	1	16		W 1	Cloudy.
15	10	0	15	18	N 1	Very Fair.

In my absence, the Thermoscope being observed, it was found from the 15th of June to the 11th of August, never to get so high as 3, and was very often below Temperate, so cold was this Summer.

AUGUST, 1692.

13	19	2	6	29	10		Cloudy, Rain about 21.	
14	9	1	5	29	10	S W 2	Cloudy.	
	11	1	6	29	10	17	S W 2	Rain.
	23	1	0	12	17		Fair.	
15	9	1	2	8	25	E 2	Cloudy, Rain last night.	
	12	1	5	7	26	S E 2	Rain.	
16	8	0	5	12	25	W 2	Fair.	
17	8	0	2	15	21	S E 1	Fair.	

(1932)

D	H	Ther.	Bar.	Hyg.	Wind.	Weather.	August, 1692.
		4					
18	7	I. 1	14	22	S W 1	Cloudy.	
	24	2. 1	13	22		Small misty Rain.	
19	9	I. 4	15	22	W 2	Clofe.	
20	8	I. 1	18	20	S W 1	Very Cloudy.	
21	8	I. 0	16	19	S 1	Fair.	
	10	I. 3	16	19	W 1	Very Small Rain.	
	12	I. 5	16		W 1	Very Cloudy.	
22	8	I. 6	18	18	NW 2	Fair.	
23	9	0. 3	30. 0	16	S W 1	Not a Cloud.	
24	8	0. 3	30. 0	15	0	Not a Cloud.	
25	8	I. 1	29. 19	15	S W 1	Not a Cloud.	
26	8	I. 2	16		S E 1	Not a Cloud, & gently sinking ever since yesterday morn.	
	1	3. 5	16		1	Fair.	
27	7	I. 5	14	12		Thick Fog.	
28	8	I. 1	29 16	12	NW 2	Very Fair.	
29	9	0. 7	16	10	NW 1 rac. SE	Very Cloudy.	
	17	I. 3	15	12	0	Clofe, some small drops.	
30	8	0. 5	13	12	NW 2	Clofe.	
	20	I. 0	12	13	NE 1	A little Rain.	
31	8	0. 2	13	12	NW 1	Very Fair.	

SEPTEMBER, 1692.

1	9	I. 0	11	13	S W 3	Cloudy.
	12	I. 3	11	13	S W 3	A little Rain.
	14	I. 4	11	13	S W 2	Hard Rain for 1 hour, and soft till 17.
2	3	0. 2	14	11	W 2	Fair.

D

(1933)

D	H	Ther.	Bar.	Hyg.	Wind.	Weather.	Octob. 1692.
		4					
3	9	0	14	10	W 2	Cloudy.	
4	8	2. 0	15	8			
5	8	1. 6	16			Very Fair.	

OCTOBER, 1692.

18	22	0	29. 11		W 2		
19	9	0	4		S 3	Rain,	
20	9	1. 2	5		S W 2	Very Fair.	
	18	0	2	16	S W 4	Rain.	
21	9	1. 4	10	17	WN 2	Not a Cloud.	
	24	0	15	16		Rain.	
22		0	16	37	W S 3	Cloudy.	
	16	0	17	33	W S 2	Cloudy.	
23	9	0	17	33	S W 1	Cloudy.	
	15	0	16	24	S W 1	Fair.	
24	9	0	15	27	S W 2	Fair.	
	14	0	16	30	S W 1	Small mist.	
25	8	0	30	30	W 2	Clofe.	
	15	0	29 19	29	W 2	Scarce a Cloud.	
26	9	0	16	28	W 1	Cloudy.	
27	9	1. 1	13	27	W 1	Clofe.	
	23	0	13	27		1 Clofe, a little misting Rain good part of the aftern.	
28	9	1. 0	15	28	NW 1	Cloudy.	
29	9	1. 1	17	28	E 1	Clofe, a little Fog.	
		0	18	29	E 1	Clofe, a little gentle Rain about 15.	
30	9	2. 1	30. 1	26	E 2	Cloudy.	
31	8	3. 0	29 19	18	NE 1	Fair.	

T t t t t t t t t t

D

(1934)

D H Ther. Bar. Hyg. Wind Weather. *Novemb. 1692.*

		4						
	11	2.	6	18	19	NE	1	Hard Snow, which lasted till past midnight.

NOVEMBER, 1692.

1	9	3.	5	29.	9	19	NE	1	Fair, scarce a Cloud.
2	11	4.	0	7	20	SW	1	Rime and Frost.	
	15	3.	6	7	20	SW	1	Snow, which began at 13 and lasted to 20.	
3	9	3.	5	7	23	W	1	Clofe.	
	12	3.	0	5	25	WS	1	Rain, which began at 11 and lasted till 17.	
	24	2.	0	1	39		3	Clofe, Rain before 1, and fo the greatest part of night.	
4	9	1.	5	3	40	S	2	Clofe.	
5	9	1.	4	13	36	NE	1	Clofe, Rain last night.	
6	9	2.	0	15	33	NE	1	Clofe.	
7	8	2.	2	16	32	NE	0	Clofe.	
8	9	2.	1	14	32	EN	1	Clofe.	
	16	2.	0	14	33	NE	1	Rain, which began at 14, and continued till 24.	
9	9	2.	2	13	33	N	2	Small Rain for a very little while.	
10	9	2.	4	17	32	NW	1	Not a Cloud.	
11	9	2.	4	17	30	W	1	A little Fog.	
	16	1.	6	14	32			Hard Rain.	
12	9	1.	5	10	33	W	1	Rain.	
13	9	3.	1	4	30	W	0	Fair, Frost.	
14	9	4.	2	12	28	NW	2	Very fair hard Frost.	
15	9	4.	6	16	26	W	0	Very Fair, hard Frost.	
16	10	4.	1	8	31	S	3	Clofe, Snow last night from 11 the greatest part of this day.	

(1935)

DH	Ther.	Bar.	Hyg.	Wind.	Weather.	Decemb. 1692.
17	93.	7	8 34	S 1	Very Cloudy.	
	133.	0	6 35	S W 2	Rain.	
18	84.	0	10 37		0	Fog, in the Closet on the North side of the House.
26	224.	2	18		3	Clofe, in the Closet on the North side of the House.
27	104.	4	16 34	E 2	Cloudy.	
28	94.	6	18 32	E 3	Fair, Frost.	
29	94.	6	16 31	E 3	Clofe, Frost.	
30	94.	5	18 33	E 3	Cloudy, Frost.	

DECEMBER, 1692.

1	94.	5	30. 0	33	E 2	Rain mixed with Hail, the Rain as it fell Froze, and continued misling till 14 or 15.	
2	94.	1	30. 0	38	S E 2	Rain, which began last night & lasted all this day.	
	173.	4	29. 17	39		Fog.	
3	93.	6	19	45	S W 0	Thick Fog Frost.	
4	92.	6	5	48	S 2	Rain all the morning.	
	122.	3	3	49	S W 2	Cloudy.	
5	102.	4	5	54	S W 2	Cloudy.	
6	11	2	7	53	W 2	Cloudy, some Rain this morning.	
7	9	3	3	54	W 2	Clofe.	
8	91.	4	28. 18	56	S W 4	Rain and Stormy Wind all this day.	
	23	0	15	58	S W 4	Hard Rain.	
9	9	4	16	55	S W 3	Cloudy.	
	17	5	15	53		3	Hard Rain.

T t t t t t t t t t t t 2

D

(1936)

D	H	Ther.	Bar.	Hyg.	Wind.	Weather.	Decemb. 1692:
	24	12.	1	15	52	3	Fair.
10	10	2.	4	29.	1	52	S W 1 Very Cloudy.
	24	3.	1	11	52	0	Very Fair.
11	9	3.	4	13	53	W	0 Very Fair.
	18		2	13	52	E	1 Very Fair.
12	10	3.	0	10	54	S	3 Close.
	15	2.	6	6	53	S E	3 Rain a little and short.
13	9		3	4	54	S E	Close.
14	9	1.	6	5	56	S	2 Rain all day.
	18	1.	4	3	57		2 Rain yet.
15	9	2.	0	11	56	W	1 Very Fair.
	15		1	13	56	W	1 Thick Fog.
16	9		4	11	54	S	2 Close.
	15	2.	0	11	57	S W	2 Rain from 12.
17	9	1.	6	14	56	S W	1 Cloudy,

In my Chamber on the South side of the House.

	11		1	15	54	WN	1 Fair.
	17		4	17	49	WN	1 Fair.
18	10	2.	7	30.	3	43	E 0 Very Fair, hoar Frost.
19	9	3.	2	0	43	S	0 Mist. A Mist is when the drops manifestly falls.
20	8	2.	6	29.	17	45	N E 0 Mist, as it was all day yesterday.
21	9		4	12	46	S W	2 Close.
	19		1	4	48	S W	3 Rain.
22	9		1	6	48	S	1 Not a Cloud.
	24		5	0	42		3 Rain.

D

(1937)

D	H	Ther.	Bar.	Hyg.	Wind.	Weather.	
		4					
23	9	3	28. 10	51	W 4	Rain, which had been all night.	
24	10	3	2	19	45	W 1	Clote
25	11	3.	3	19. 12	40	W 1	Fair, Frost.
26	9	2.	0	3	57	S W 3	Rain all last night.
27	9	6	3	51	S 3	Clote.	
	11	2	0	51	S W 4	Clote.	
	12	1	28 19	51	S W 4	Rain all day.	
28	11	3.	2	18	48	S W 2	Rain.
29	9	6	29. 6	48	S 1	Fair Frost.	
	24	2	28. 19	47	S 4	Rain.	
30	9	2.	3	11	57	W 4	Rain very hard all last night till now.
	24	3	17	48	4	Fair.	
31	9	6	15	46	W 4	Not a Cloud.	
	20	5	29. 8	39	2	Rain.	
	24	4	10	40	1	Cloudy.	

III. Me-