

METEOROLOGICAL REGISTER.

Station *Voluntus Barracks, Ohio* Lat. *39° 57' N.* Long. *6° 18' W.* Alt. of Bar. above Sea, *about 900* feet. 210 116

1877. Month.	THERMOMETER.				SELF-REGISTERING THERMOMETER.			MOVEMENTS OF ATMOSPHERE.						AMOUNT OF CLOUDINESS.			RAIN AND MELTED SNOW.			REMARKS.											
	7 A. M.	2 P. M.	9 P. M.	Daily mean.	Max.	Min.	Mean.	7 A. M.		2 P. M.		9 A. M.		7 A. M.	2 P. M.	9 P. M.	Began.	Ended.	Quantity.												
								WINDS. D. F.	Motion of clouds.	WINDS. D. F.	Motion of clouds.	WINDS. D. F.	Motion of clouds.																		
January																															
1	10	20	17	15.66	20	5	12.50	W	W	W	W	W	W	3	2	10															
2	6	10	9	8.33	10	3	6.50	W	W	W	W	W	W	1.0	3	10															
3	2	10	2	5.33	10	7	1.50	W	W	W	W	W	W	10	9	0															
4	5	11	14	6.66	14	6	4.00	W	W	W	W	W	W	1	7	10				<i>Some showers at intervals</i>											
5	10	30	21	23.33	30	4	17.00	W	W	W	W	W	W	3	9	1															
6	16	37	32	25.33	37	16	26.50	W	W	W	W	W	W	3	6	10															
7	3.3	5.0	2.5	3.33	3.7	15	26.00	W	W	W	W	W	W	9	10	2															
8	15	16	5	12.00	16	17	1.00	W	W	W	W	W	W	7	8	0				<i>Some showers at intervals</i>											
9	17	3	10	6.00	15	17	2.00	W	W	W	W	W	W	1	9	2				<i>3 P.M. 0.20</i>											
10	15	2.5	2.5	21.00	2.5	15	20.00	W	W	W	W	W	W	10	10	6															
11	25	12	3.5	25.10	12	2	0.51	W	W	W	W	W	W	10	10	10				<i>6 P.M. 10 P.M. 0.13</i>											
12	21	2.5	10	15.66	2.6	11	17.00	W	W	W	W	W	W	10	10	10				<i>Rain at intervals</i>											
13	10	2.5	1.0	26.66	2.6	5	12.00	W	W	W	W	W	W	10	6	0				<i>Heavy at intervals some to measure</i>											
14	8	2.4	2.0	17.33	2.4	8	16.00	W	W	W	W	W	W	6	5	0															
15	3.2	3.5	4.5	7.10	4.1	2	16.00	W	W	W	W	W	W	10	10	0				<i>Heavy at intervals</i>											
16	29	29	25	28.66	2.0	2	26.00	W	W	W	W	W	W	10	10	10				<i>8 P.M. 0.20</i>											
17	3.3	3.4	2.9	28.33	3.4	18	26.00	W	W	W	W	W	W	10	4	0															
18	3.3	3.3	3.1	29.00	3.1	2	37.00	W	W	W	W	W	W	7	5	9															
19	3.2	3.6	4.0	37.00	4.5	2	38.15	W	W	W	W	W	W	10	10	10				<i>Very fog through the day</i>											
20	15	5.3	4.0	16.00	4.5	2	39.50	W	W	W	W	W	W	7	9	9				<i>Light showers at intervals some to measure</i>											
21	18	2.4	2.0	30.66	2.6	2	23.00	W	W	W	W	W	W	9	9	8															
22	2.3	2.3	3.4	21.33	3.2	3	28.50	W	W	W	W	W	W	8	5	4															
23	1.2	2.4	2.3	19.66	3.2	3	15.00	W	W	W	W	W	W	0	10	10															
24	2.1	2.2	2.0	21.00	3.2	2	21.50	W	W	W	W	W	W	0	9	2															
25	10	2.7	2.1	19.33	3.4	2	18.00	W	W	W	W	W	W	0	9	0				<i>Heavy dense showers at 3 P.M. some to measure</i>											
26	2.4	2.2	3.2	33.33	3.2	3	32.50	W	W	W	W	W	W	0	8	4															
27	3.8	4.1	3.1	36.66	3.2	3	36.00	W	W	W	W	W	W	0	0	0															
28	2.7	4.5	4.0	27.33	3.6	2	34.00	W	W	W	W	W	W	0	0	0															
29	3.2	4.9	3.6	31.00	5.0	3	41.00	W	W	W	W	W	W	0	0	2															
30	3.4	5.3	3.4	40.33	5.3	3	41.00	W	W	W	W	W	W	0	6	1															
31	3.9	5.4	4.6	46.33	5.3	3	44.00	W	W	W	W	W	W	9	6	1															
Monthly Mean													31	19	21	32.33	15.33	43.85							237	181	134				
													20.03	20.22	25.47	21.99	24.33	14.74	24.46						7.32	6.16	4.32				<i>1.99 Total Rain & Snow during the month</i>

Monthly Mean

Motion of Clouds

SUMMARIES OF WINDS AND WEATHER.															
N.		N.E.		E.		S.E.		S.		S.W.		W.		N.W.	
No.	Force.	No.	Force.	No.	Force.	No.	Force.	No.	Force.	No.	Force.	No.	Force.	No.	Force.
5	7	1	7	15	13	0	0	10	13	2	4	36	46	21	87
Average cloudiness.		5-90		No. of days of rain and hail.		4		No. of days of snow.		3					

*Ways 55
Miles 18
Days 73*

C. S. White

Surgeon U. S. Army

METEOROLOGICAL REGISTER.

210 118

Station Columbus Barracks Ohio Lat. 39° 57' N Long. 60° W Alt. of Bar. above Sea. about 700 feet.

1871 Month	THERMOMETER.				SELF-REGISTERING THERMOMETER.			MOVEMENTS OF ATMOSPHERE.						AMOUNT OF CLOUDINESS.			RAIN AND MELTED SNOW.			REMARKS.
	7 A. M.	2 P. M.	9 P. M.	Daily mean.	Max.	Min.	Mean.	7 A. M.		2 P. M.		9 A. M.		7 A. M.	2 P. M.	9 P. M.	Began.	Ended.	Quantity.	
								WINDS.	Motion of clouds.	WINDS.	Motion of clouds.	WINDS.	Motion of clouds.							
								D. F.		D. F.		D. F.								
1	41	64	51	52.00	54	38	46.00	SW	1	W	2	W	S	1	0					
2	46	55	36	45.66	55	31	43.00	SW	1	W	2	W	W	1	0					
3	32	44	34	36.66	44	31	37.50	W	1	W	2	W	W	1	2					
4	31	42	33	35.33	44	30	37.00	E	2	SW	1	W	W	2	0					
5	31	44	36	35.00	44	28	36.00	W	1	W	2	W	W	1	0					
6	38	35	33	33.66	38	31	33.00	W	1	W	2	W	W	1	0					
7	33	40	31	34.66	43	26	34.50	W	2	W	1	W	W	0	0					
8	26	46	25	33.33	46	23	34.50	W	1	W	2	W	W	0	0					
9	25	44	32	33.66	44	22	33.00	E	1	W	2	W	W	1	0					
10	23	47	38	36.00	51	22	36.50	SW	1	W	2	W	W	0	0					
11	30	58	40	42.66	56	27	42.50	W	1	W	3	W	W	1	W					
12	45	40	28	37.66	45	12	28.50	W	1	W	3	W	W	1	0					
13	12	34	25	28.66	35	15	25.00	W	2	W	2	W	W	1	0					
14	19	45	31	31.66	47	19	33.00	E	1	W	2	W	W	0	0					
15	32	42	35	37.33	42	31	36.50	W	0	W	2	W	W	0	0					
16	35	46	37	36.00	47	20	33.50	SW	3	W	2	W	W	0	0					
17	20	38	25	27.66	40	20	30.00	W	1	W	2	W	W	0	0					
18	21	45	27	31.66	45	21	33.00	SW	1	W	2	W	W	2	0					
19	40	37	23	33.33	41	11	26.00	S	3	W	1	W	W	0	0					
20	12	37	30	27.00	40	12	26.00	W	1	W	2	W	W	1	0					
21	29	57	42	42.66	57	28	42.50	W	2	W	2	W	W	1	0					
22	37	55	44	45.33	56	34	45.00	W	1	W	3	W	W	1	W					
23	35	47	35	37.00	50	32	41.00	W	1	W	2	W	W	1	W					
24	33	33	33	33.00	34	31	32.50	W	1	W	1	W	W	1	W					
25	32	41	35	36.00	41	26	33.50	W	1	W	1	W	W	1	W					
26	27	42	32	33.66	42	21	31.50	W	1	W	1	W	W	1	W					
27	22	45	33	33.33	50	21	35.50	W	1	W	3	W	W	1	W					
28	23	48	32	34.33	48	22	35.00	W	1	W	2	W	W	1	0					
29 46 44 45 33 34 35 28 45 57 24 33 35 08																				
120 120 67																				
464 428 211																				
0.50																				

5 AM to 8 AM 0.50 Moderate rain

Drizzling rain during the night and morning. Snow at intervals, not measurable.

Station of Clouds -

SUMMARIES OF WINDS AND WEATHER.											
N. E.		E. S. E.		S. W.		W. S. W.		W. N. W.		N. W.	
No. Force	No. Force	No. Force	No. Force	No. Force	No. Force	No. Force	No. Force	No. Force	No. Force	No. Force	No. Force
6	4	4	4	2	2	6	10	14	39	5	1
Average cloudiness } 3.68											
No. of days of rain and hail } 21						No. of days of snow } 1					

Being 0.5

Max. 57
Min. 11
Range = 46

C. B. White
Surgeon U. S. Army.
Dist. Surgeon

METEOROLOGICAL REGISTER.

 Station *Columbus Barracks Chir.* Lat. *39.57° N.*

 Long. *60° W.*

 Alt. of Bar. above Sea, about *700* ⁹¹⁰ _{feet.}

1877 Month.	THERMOMETER.				SELF-REGISTERING THERMOMETER.			MOVEMENTS OF ATMOSPHERE.						AMOUNT OF CLOUDINESS.			RAIN AND MELTED SNOW.			REMARKS.									
	7 A. M.	2 P. M.	9 P. M.	Daily mean.	Max.	Min.	Mean.	7 A. M.		2 P. M.		9 A. M.		7 A. M.	2 P. M.	9 P. M.	Began.	Ended.	Quantity.										
								WINDS. D. F.	Motion of clouds.	WINDS. D. F.	Motion of clouds.	WINDS. D. F.	Motion of clouds.																
1	27	52	46	41.66	52	27	27.50	0	0	0	0	0	0	0	0	0													
2	47	47	31	42.00	56	31	43.50	S	1	NW	N	3	NW	N	1	0													
3	23	45	43	40.33	46	30	33.00	S	1	NW	N	3	NW	N	1	0				Rain at intervals not measurable.									
4	20	27	28	25.33	36	20	23.00	N	1	N	N	2	N	N	1	0				Rain and Snow.									
5	21	31	17	23.00	34	14	25.00	N	1	N	N	2	N	N	1	0													
6	19	37	33	30.33	40	11	35.50	N	1	0	N	3	N	N	2	0													
7	37	50	38	41.66	52	36	44.00	N	1	N	S	1	N	N	2	0													
8	45	47	53	48.33	53	16	34.50	N	1	N	S	1	N	N	2	0													
9	18	31	12	17.00	28	11	17.00	N	2	N	S	3	N	N	2	0													
10	12	26	24	20.66	26	12	17.00	N	3	N	S	3	N	N	2	0													
11	23	40	34	32.33	41	23	32.10	S	2	N	S	3	N	N	1	0													
12	36	40	41	37.00	42	26	34.00	S	3	N	S	2	N	S	1	0													
13	26	36	33	31.66	34	26	30.00	N	1	N	S	2	N	S	1	0													
14	34	37	26	33.00	40	11	25.50	S	1	N	N	2	N	N	2	0													
15	12	34	24	23.33	35	18	26.50	N	1	0	N	2	N	N	1	0													
16	28	28	24	26.66	30	7	18.50	0	1	0	0	2	0	N	3	0													
17	7	17	6	10.00	20	2	11.00	N	2	N	N	2	N	N	1	0													
18	7	30	15	18.00	30	7	17.50	S	1	0	N	2	N	N	1	0													
19	18	31	20	23.00	34	11	22.50	0	2	N	N	2	N	N	1	0													
20	11	50	30	30.33	54	14	34.00	0	1	N	N	2	N	N	1	0													
21	42	35	32	36.33	44	28	36.00	S	1	N	N	2	N	S	1	0													
22	37	54	32	38.33	54	27	41.50	S	1	N	N	3	0	0	0	0													
23	40	56	37	44.33	60	31	45.50	S	1	N	N	3	0	0	0	0													
24	31	43	35	35.66	42	30	36.00	N	3	0	N	2	N	N	2	0													
25	38	39	35	35.66	37	31	35.00	N	1	N	N	2	N	N	2	0													
26	31	31	32	31.33	33	26	27.50	N	2	N	N	2	N	N	2	0													
27	28	41	38	34.00	46	37	36.50	N	1	0	N	3	N	N	1	0													
28	30	44	32	35.33	45	28	35.00	N	2	0	N	2	0	N	1	0													
29	27	41	34	34.00	47	23	35.00	N	2	N	N	2	0	N	1	0													
30	25	52	36	37.66	53	25	37.00	0	0	0	0	0	0	0	0					0.26 Rain during the night.									
31	40	68	62	55.66	66	40	53.00	0	2	N	0	1	N	0	1														
													27.0	37.7	31.5	32.55	41.84	21.22	31.57				5.29	5.84	5.64				4.76

Motion of Clouds -

N. E.		E. S. E.		S. S. W.		S. W. W.		W. S. W.		W. N. W.	
No.	Force.	No.	Force.	No.	Force.	No.	Force.	No.	Force.	No.	Force.
10	17	3	4	11	16	3	9	16	22	8	17
Average cloudiness, } 5.5%		No. of days of rain and hail, } 89		No. of days of snow, } 5							

 Max. 66
 Min. 2
 Range 64

C. & White
 Surgeon U. S. Army.
 Post Surgeon

METEOROLOGICAL REGISTER.

Station *Columbus Barracks Va.* Lat. *39.57° N*

Long. *60° W*

Alt. of Bar. above Sea, *about 700* feet.

1877. Month.	THERMOMETER.				SELF-REGISTERING THERMOMETER.			MOVEMENTS OF ATMOSPHERE.						AMOUNT OF CLOUDINESS.			RAIN AND MELTED SNOW.			REMARKS.
	7 A. M.	2 P. M.	9 P. M.	Daily mean.	Max.	Min.	Mm.	7 A. M.		2 P. M.		9 A. M.		7 A. M.	2 P. M.	9 P. M.	Began.	Ended.	Quantity.	
								WINDS. D. F.	Motion of clouds.	WINDS. D. F.	Motion of clouds.	WINDS. D. F.	Motion of clouds.							
<i>April</i>																				
<i>1</i>	62	71	60	61.10	71	34	52.00	3 W	SW	4 SW	SW	2 SW	1 0	9	9	3				<i>Rain in the morning, not measurable</i>
<i>2</i>	34	43	35	37.33	44	25	24.50	2 W	W	2 SW	SW	0 0	9	7	0					
<i>3</i>	27	42	40	36.33	43	24	35.10	2 SW	SW	2 W	0 0	0 0	7	3	4					
<i>4</i>	34	60	51	48.33	61	36	48.50	0 W	W	3 W	SW	2 W	5	5	3					
<i>5</i>	38	54	38	43.33	54	36	45.00	2 W	W	3 W	0 0	0 0	3	1	8					
<i>6</i>	41	61	47	49.66	61	36	48.50	0 0	0 W	1 W	0 0	0 0	0	2	0					
<i>7</i>	44	60	50	57.33	60	44	52.00	2 SW	2 SW	3 SW	SW	3 SW	0	4	3					
<i>8</i>	44	51	45	46.66	53	39	46.00	2 SW	2 SW	3 SW	SW	3 SW	9	10	10	1 P.M.				
<i>9</i>	41	51	46	46.00	54	36	45.00	2 SW	2 SW	3 SW	SW	3 SW	10	10	0					
<i>10</i>	41	53	45	46.33	60	34	44.00	2 SW	2 SW	3 SW	SW	3 SW							<i>Continuous rain</i>	
<i>11</i>	43	63	45	50.33	64	33	48.00	1 SW	2 SW	3 SW	SW	3 SW	2	3	0					
<i>12</i>	40	63	45	49.33	63	35	49.00	1 SW	2 SW	3 SW	SW	3 SW	1	1	0					
<i>13</i>	40	60	45	48.33	60	30	45.00	1 W	2 W	3 W	SW	3 W	3	1	0					
<i>14</i>	38	60	45	47.66	61	31	46.00	1 W	2 W	3 W	SW	3 W	3	3	0					
<i>15</i>	38	63	47	48.33	67	39	57.50	1 0	2 0	3 0	SW	3 0	3	0	0					
<i>16</i>	45	75	56	58.66	77	45	61.00	1 W	2 W	3 W	SW	3 W	0	0	0					
<i>17</i>	48	75	66	62.00	76	50	63.00	1 W	2 W	3 W	SW	3 W	7	5	8					
<i>18</i>	56	65	58	57.66	65	35	60.00	2 SW	3 SW	4 SW	SW	3 SW	7	5	4					
<i>19</i>	55	74	55	63.33	74	44	57.00	2 W	3 W	4 W	SW	3 W	10	10	6	5 A.M.				<i>Sprinkling rain, not measurable Rain at intervals</i>
<i>20</i>	45	56	40	47.00	56	32	44.00	2 W	3 W	4 W	0 0	0 0	8	7	3					
<i>21</i>	36	65	46	49.00	66	34	50.00	2 W	3 W	4 W	0 0	0 0	10	5	0					
<i>22</i>	44	72	46	57.00	73	39	56.00	0 0	1 0	2 0	0 0	0 0	0	3	0					
<i>23</i>	47	80	60	63.00	80	46	63.00	1 0	2 0	3 0	0 0	0 0	0	0	0					
<i>24</i>	54	69	39	57.00	77	37	57.00	0 W	3 SW	4 W	1 W	2 W	2	9	7	3 P.M.	5 P.M.			
<i>25</i>	46	65	50	53.66	65	42	53.50	1 0	2 W	3 W	1 W	2 W	0	4	4					
<i>26</i>	47	60	55	54.00	60	47	53.00	1 SW	2 SW	3 SW	1 W	2 W	7	8	3					
<i>27</i>	53	60	57	53.66	61	51	56.00	1 SW	2 SW	3 SW	1 SW	2 SW	10	10	3					
<i>28</i>	58	64	55	57.00	67	45	57.00	1 SW	2 SW	3 SW	1 W	2 W	10	3	1					
<i>29</i>	55	55	40	50.00	56	34	46.00	2 W	3 W	4 W	1 W	2 W	10	4	4					
<i>30</i>	35	42	37	37.00	47	35	38.00	3 SW	4 W	5 W	1 W	2 W	2	9	10					
<i>Monthly Mean</i>	44.23 61.06													470	4.56	2.86				<i>1.67 inches</i>

SUMMARIES OF WINDS AND WEATHER.

N. 4		N. E. 1		E. 11		S. E. 2		S. 1		S. W. 10		W. 36		N. W. 3	
No.	Force.	No.	Force.	No.	Force.	No.	Force.	No.	Force.	No.	Force.	No.	Force.	No.	Force.
9	7	10	3	37	7	5	7	5	7	6	7	157	66	23	10
Average cloudiness } 4.04															
No. of days of rain and hail } 4															
No. of days of snow } 1															

Clouds 10/10

*Max: 80°
Min: 35°
Range = 55°*

*C. B. White
Surgeon U. S. Army.
Ret'd*

190

METEOROLOGICAL REGISTER.

210 123

Station *Columbus Barracks Ohio* Lat. *39° 57' N*

Long. *60° W*

Alt. of Bar. above Sea, about *700* feet.

1877. Month.	THERMOMETER.				SELF-REGISTERING THERMOMETER.			MOVEMENTS OF ATMOSPHERE.						AMOUNT OF CLOUDINESS.			RAIN AND MELTED SNOW.			REMARKS.	
	7 A. M.	2 P. M.	9 P. M.	Daily mean.	Max.	Min.	Mean.	7 A. M.		2 P. M.		9 A. M.		7 A. M.	2 P. M.	9 P. M.	Began.	Ended.	Quantity.		
								WINDS.	Motion of clouds.	WINDS.	Motion of clouds.	WINDS.	Motion of clouds.								D.
<i>May</i>																					
1	87	41	37	37.00	44	35	37.20	W	W	W	W	W	W	10	10	10				Spitting snow at intervals	
2	71	55	44	46.66	55	37	44.50	W	W	W	W	W	W	3	3	6					
3	44	49	45	46.00	49	26	37.50	W	W	W	W	W	W	10	10	10					
4	51	63	50	48.00	60	50	45.00	0	0	W	W	W	W	0	5	0				Very heavy snow fall	
5	49	47	52	48.00	53	44	48.50	W	W	W	W	W	W	10	10	10	8.30 P.M.			Rain at intervals from 8 A.M. to 1 P.M. & 8 P.M. to 6 P.M.	
6	49	57	58	51.66	59	46	52.00	W	W	W	W	W	W	10	8	0				8.30 P.M. 0.50	
7	50	57	50	52.33	58	43	50.50	W	W	W	W	W	W	9	10	10	11.4 P.M.			Rain at intervals from 11 A.M. to 1 P.M. & 6 P.M. to 8 P.M.	
8	47	59	46	50.66	59	37	48.00	W	W	W	W	W	W	10	6	0				8.30 P.M. 0.70	
9	44	59	45	49.33	59	37	48.00	W	W	W	W	W	W	3	4	0					
10	45	57	47	49.66	60	37	48.50	W	W	W	W	W	W	1	7	1				Snow	
11	44	60	44	49.33	60	38	49.00	0	0	W	W	W	W	0	3	1					
12	47	69	53	56.33	69	41	55.00	W	W	W	W	W	W	0	0	0					
13	51	71	57	59.66	71	41	56.00	W	W	W	W	W	W	1	4	5					
14	52	77	60	63.00	77	51	64.00	W	W	W	W	W	W	0	2	0					
15	61	81	65	69.00	79	59	69.00	W	W	W	W	W	W	3	5	10					
16	69	81	70	73.00	82	62	72.00	W	W	W	W	W	W	3	3	1	3 P.M.				Rain at intervals, none to measure
17	65	80	73	72.66	82	60	71.00	W	W	W	W	W	W	4	9	2					
18	69	86	76	76.66	86	60	73.00	W	W	W	W	W	W	0	0	0					
19	70	91	75	78.66	91	63	77.00	W	W	W	W	W	W	3	5	4					
20	68	84	72	74.66	84	61	72.50	W	W	W	W	W	W	10	3	3	7 P.M.				Rain at intervals from 1 A.M. to 6 P.M. & 8 P.M. to 11 P.M.
21	67	84	69	73.33	84	60	72.00	W	W	W	W	W	W	7	3	1					
22	66	85	53	62.00	71	47	52.00	W	W	W	W	W	W	2	9	10	11.30 P.M.				Light snow at intervals none to measure
23	51	66	52	56.66	65	39	51.50	W	W	W	W	W	W	0	1	0					
24	45	56	40	47.00	56	34	45.00	W	W	W	W	W	W	1	5	0					
25	45	57	46	44.33	58	36	47.00	W	W	W	W	W	W	0	10	9					
26	46	66	53	55.00	66	38	52.00	W	W	W	W	W	W	0	4	1					
27	51	72	58	60.33	74	44	59.00	W	W	W	W	W	W	0	0	5					
28	55	79	62	65.33	79	42	60.50	W	W	W	W	W	W	0	0	4					
29	59	81	63	67.66	81	47	64.00	W	W	W	W	W	W	1	7	4					
30	59	81	63	66.66	83	47	65.50	W	W	W	W	W	W	0	9	5					
31	58	85	69	70.66	85	52	66.00	W	W	W	W	W	W	0	3	5					

Monthly Mean

SUMMARIES OF WINDS AND WEATHER.

N. 3	N.E. 2	E. 6	S.E. 2	S. 4	S.W. 10	W. 12	N.W. 3
No. Force.	No. Force.	No. Force.	No. Force.	No. Force.	No. Force.	No. Force.	No. Force.
15 1-33	2 0-8	19 1-19	5 1-6	1 1-0	4 1-25	3 1-58	3 1-33
Average cloudiness, } 3.94	No. of days of rain and hail, } 16		No. of days of snow, } 1				

"Motion of clouds"

Calcs 19/02

Mean: 91°
Mean: 26°
Range = 65

B. J. White

Surgeon U. S. Army.
Post Surgeon

METEOROLOGICAL REGISTER.

210 125

Station *Columbus Barracks Ohio* Lat. *37° 57' N.*

Long. *66° W.*

Alt. of Bar. above Sea, about *900* feet.

1877. Month.	THERMOMETER.				SELF-REGISTERING THERMOMETER.			MOVEMENTS OF ATMOSPHERE.						AMOUNT OF CLOUDINESS.			RAIN AND MELTED SNOW.			REMARKS.	
	7 A. M.	2 P. M.	9 P. M.	Daily mean.	Max.	Min.	Mean.	7 A. M.		2 P. M.		9 A. M.		7 A. M.	2 P. M.	9 P. M.	Began.	Ended.	Quantity.		
								WINDS. D. F.	Motion of clouds.	WINDS. D. F.	Motion of clouds.	WINDS. D. F.	Motion of clouds.								
<i>June</i>																					
1	65	86	74	75.00	87	64	75.50	SW 1	0	S	S	S	0	6	3						
2	70	85	70	75.00	85	69	74.00	W 1	W	W	W	0	0	0	8	3	7 AM 5 PM			Rain not measurable	
3	68	78	60	68.66	79	57	68.00	SW 1	W	W	W	0	0	0	10	7	4	6 AM 7 PM		Rain at intervals not measurable	
4	64	75	68	69.00	81	62	71.50	W 1	W	W	W	0	0	0	9	9	10	3 PM		Rain at intervals	
5	67	77	65	69.66	79	53	66.00	W 3	SW	S	SW	0	0	0	8	10	10				
6	64	68	58	60.00	70	49	58.50	SW 2	SW	SW	SW	0	0	0	10	7	0			7 AM 1.32	
7	57	72	58	62.99	73	57	65.00	0	0	0	0	0	0	0	0	0					
8	64	72	69	68.33	80	63	71.50	SE 1	S	S	SE	0	0	0	8	10	10	1 PM	11 AM	0.34	Continuous rain
9	70	75	69	69.33	79	57	63.00	SE 2	SW	S	SE	0	0	0	10	10	10				
10	47	68	55	56.33	65	44	54.50	W 3	SW	W	SW	0	0	0	7	4	0				
11	54	73	65	64.00	72	59	66.00	SE 1	0	S	W	0	0	0	0	3	0				
12	62	73	63	66.66	73	49	61.00	S 1	SE	W	2	W	0	0	0	8	4	0	7 AM 11 AM		Rain at intervals not measurable
13	57	84	73	72.00	84	58	71.00	SE 1	SE	S	W	0	0	0	3	9	0				
14	63	88	75	74.33	85	66	75.50	0	0	W	3	W	0	0	0	7	4	3			
15	72	73	67	70.66	75	66	70.50	SE 1	SE	SW	2	SW	0	0	0	10	8	10	7 AM		Rain at intervals with heavy
16	70	87	67	74.66	86	63	74.50	W 1	W	2	W	0	0	0	9	10	8			11 PM 0.36	thunder showers
17	70	85	75	76.66	86	64	75.00	0	0	W	2	SE	0	0	0	10	3	2			
18	74	90	76	80.66	90	63	76.50	S 2	SE	W	2	W	0	0	0	3	3	6			
19	70	88	73	77.00	88	62	75.00	0	0	W	1	W	0	0	0	1	4	3	10 PM 11 PM		Rain not measurable
20	70	83	71	74.66	85	68	76.50	SW 1	W	S	1	SE	SW	1	SW	3	3	10	5 PM		Rain at intervals
21	72	72	64	68.33	82	56	62.00	SW 2	SW	SW	1	SW	1	W	4	7	4			3 PM 10.8	
22	60	69	56	61.66	71	48	58.00	S 2	SE	SE	1	SE	1	SE	10	4	1				
23	56	75	64	65.00	76	56	66.00	E 1	E	E	2	SE	S	0	0	1	5	0			
24	66	78	68	70.66	80	63	71.50	SE 1	SE	S	2	SE	W	1	W	7	7	10	9 PM		Rain at intervals
25	69	84	66	73.00	84	64	74.00	0	0	W	3	SE	2	SE	7	3	4			7 PM 0.66	Very hard wind at 8 P.M.
26	73	85	74	77.33	85	67	76.00	W 3	W	W	3	W	0	0	0	7	3	2			
27	72	83	70	75.00	83	60	71.50	W 1	W	W	2	W	0	0	0	1	3	3			
28	65	82	70	72.33	83	59	70.50	1	SW	3	SW	0	0	0	1	3	1				
29	71	86	72	76.33	86	66	76.00	1	S	W	2	W	0	0	0	0	3	2			
30	73	85	70	76.00	88	66	77.00	SW 2	W	W	2	W	0	0	0	6	4	10	9 PM 11 PM		Continuous rain not measurable
													161	154	116						
													537	547	420						3.66

SUMMARIES OF WINDS AND WEATHER.

Motion of Clouds		SUMMARIES OF WINDS AND WEATHER.													
N. 4	N.E. 5	E. 1	S.E. 3	S. 4	S.W. 14	W. 41	N.W. 6	No. Force 100		No. Force 150		No. Force 200		No. Force 250	
5	7	1	2	5	8	7	15	21	10	15	28	42	4	5	
Average cloudiness.		5.01				No. of days of rain and hail.		10		No. of days of snow.		0			

Max. 90
Min. 44
Range 46

C. B. White

Surgeon U. S. Army.

METEOROLOGICAL REGISTER.

Station *Columbus Barracks, Ohio* Lat. *39° 57' N*

Long. *60° W*

Alt. of Bar. above Sea, *about 900 Feet.*

210 127

1877 Month.	THERMOMETER.				SELF-REGISTERING THERMOMETER.			MOVEMENTS OF ATMOSPHERE.						AMOUNT OF CLOUDINESS.			RAIN AND MELTED SNOW.			REMARKS.												
	7 A. M.	2 P. M.	9 P. M.	Daily mean.	Max.	Min.	Mean.	7 A. M.		2 P. M.		9 A. M.		7 A. M.	2 P. M.	9 P. M.	Began.	Ended.	Quantity.													
								WINDS. D. F.	Motion of clouds.	WINDS. D. F.	Motion of clouds.	WINDS. D. F.	Motion of clouds.																			
July																																
1	70	87	72	76.55	87	58	72.50	N 2		N 3		N 0		1	1	2																
2	65	82	76	74.55	82	65	73.50	S 6 1		S 6 2		S 6 1		4	4	3																
3	70	85	74	76.50	85	63	74.00	N 1		N 3		N 1		1	3	0				<i>a little rain, no measure.</i>												
4	70	85	72	75.66	85	64	74.50	S 1		S 1		N 0		1	2	8				<i>do do.</i>												
5	70	87	69	75.50	88	64	76.00	N 1		N 2		N 1		10	8	10																
6	69	81	67	72.52	82	52	67.00	S 1		N 2		N 1		2	3	0				<i>with interruptions</i>												
7	65	83	70	72.66	83	60	71.50	N 0		S 1		S 0		0	1	0				<i>South 2:00</i>												
8	68	87	77	77.55	88	68	78.00	N 1		N 3		N 1		3	4	2																
9	75	85	73	77.66	85	64	74.50	N 1		N 1		N 1		5	7	2																
10	70	78	65	71.00	86	64	75.00	S 1		S 2		S 0		0	4	3				<i>Clear 7:00</i>												
11	68	77	61	68.66	77	49	63.00	S 1		S 2		S 0		0	0	0																
12	65	81	64	70.00	82	55	68.50	S 1		S 1		S 0		0	0	0																
13	67	85	70	74.00	85	57	71.00	S 0		S 1		S 0		0	0	0																
14	63	86	70	73.00	87	57	72.00	N 0		N 1		N 0		0	0	0																
15	67	91	78	78.66	92	63	77.50	S 1		N 1		N 0		3	3	2																
16	71	90	70	77.00	90	65	77.50	S 1		N 2		N 0		2	3	0																
17	67	82	72	73.66	83	61	72.00	N 0		N 2		N 0		2	4	10				<i>light white snow</i>												
18	68	79	67	68.66	79	61	65.50	S 1		S 3		S 1		3	5	0				<i>20</i>												
19	65	77	67	69.66	79	58	64.50	N 1		N 1		N 0		3	4	1				<i>11</i>												
20	63	77	65	69.00	77	53	65.00	N 1		N 1		N 1		1	6	3																
21	61	78	68	69.00	80	55	67.50	N 1		N 1		N 1		0	4	0				<i>After drops of rain, no measure.</i>												
22	65	82	68	71.66	83	58	70.50	S 1		S 1		S 1		0	4	0																
23	65	83	70	72.66	86	65	75.50	S 1		S 1		S 1		1	6	3																
24	69	85	76	76.66	85	70	77.50	S 1		S 1		S 1		6	4	2																
25	75	86	79	79.66	87	67	77.00	S 1		N 1		N 0		10	3	3																
26	74	91	78	81.00	92	71	81.50	N 1		N 2		S 1		0	3	3				<i>Small E.A.M.</i>												
27	76	78	75	76.55	80	70	75.00	S 1		N 1		S 1		0	3	3				<i>12</i>												
28	76	92	82	82.66	91	70	80.50	N 1		N 2		N 2		4	10	3				<i>13</i>												
29	75	87	77	79.66	89	65	76.00	N 1		N 1		N 1		0	4	4				<i>11</i>												
30	76	87	73	78.66	90	59	74.50	N 1		S 1		S 1		3	6	1				<i>11</i>												
31	66	91	75	77.33	92	65	78.50	S 1		S 1		S 1		0	4	2																
													6864	8371	7139	74.58	8477	6174	73.25							155	143	276				
													306	409	245				23				3.15									

SUMMARIES OF WINDS AND WEATHER.

N.		N.E.		E.		S.E.		S.		S.W.		W.		N.W.	
No.	Force.	No.	Force.	No.	Force.	No.	Force.	No.	Force.	No.	Force.	No.	Force.	No.	Force.
7	8	16	14	12	8	4	4	3	5	5	4	33	22	8	4
Average cloudiness, } <i>3.24.</i>		No. of days of rainy weather, } <i>10</i>				No. of days of snow, } <i>—</i>									

*May 92
Winds 52
Rains 40*

C. B. White

METEOROLOGICAL REGISTER.

Station *Columbus Cascaes, Ohio* Lat. *39° 57' N.* Long. *60° W.* Alt. of Bar. above Sea, about *928* feet

1877. Month.	THERMOMETER.				SELF-REGISTERING THERMOMETER.			MOVEMENTS OF ATMOSPHERE.						AMOUNT OF CLOUDINESS.			RAIN AND MELTED SNOW.			REMARKS.
								7 A. M.		2 P. M.		9 A. M.								
	<i>Aug.</i>	7 A. M.	2 P. M.	9 P. M.	Daily mean.	Max.	Min.	Mean.	WINDS. D. F.	Motion of clouds.	WINDS. D. F.	Motion of clouds.	WINDS. D. F.	Motion of clouds.	7 A. M.	2 P. M.	9 P. M.	Began.	Ended.	
1	73	73	74	73.50	93	63	73	73	1	1	1	1	1	2	1	0				
2	70	91	74	77.25	42	63	71.50	46	1	46	2	1	1	0	4	0				
3	69	85	67	72	55	57	61	46	1	4	1	1	1	2	0	0				
4	60	81	65	67.75	81	47	64	46	1	46	2	1	1	0	5	0				
5	59	84	67	69.25	84	53	63.50	44	1	44	1	1	1	0	0	0				
6	62	87	72	73.25	83	66	77	16	1	16	2	1	1	0	3	3				
7	71	88	75	77.25	89	65	77	44	1	44	1	1	1	3	5	5				
8	76	88	73	77.50	83	58	73	44	1	44	1	1	1	2	0	0				
9	67	83	63	71.50	84	53	70	44	1	44	1	1	1	10	4	3	7 a.m. 10 a.m.			.03
10	66	82	67	70.50	83	53	70.50	46	1	44	1	1	1	4	2	2				
11	64	85	72	73.25	86	66	76	44	1	44	3	4	2	0	8	8				
12	69	84	70	72.75	85	64	74.50	47	2	44	1	4	1	9	5	1	7 a.m. 9 a.m.			.50
13	69	81	68	71.50	82	60	71	16	1	1	2	4	1	6	8	8				.02 during night.
14	65	80	66	69.25	80	54	67	44	1	4	2	4	1	5	5	2				
15	60	68	63	63.50	68	56	62	44	1	44	1	4	1	10	10	5	2 a.m. 4 a.m.			.90 foggy in the morning
16	60	70	61	63	75	52	63.50	44	1	44	1	4	1	10	10	1	3 a.m. 5 a.m.			.18 during day.
17	58	82	69	69.50	82	54	68	44	1	44	1	4	1	1	3	0				
18	60	86	71	72	86	56	71	4	1	4	1	4	1	0	2	1				
19	62	87	71	72.75	87	56	71.50	46	1	4	1	4	1	0	2	0				
20	61	88	70	72.25	84	57	73	16	1	44	1	4	1	3	3	0				
21	62	88	72	73.50	89	61	75	16	1	46	1	4	1	0	3	2				A few drops of rain in afternoon
22	68	88	75	76.50	88	64	76	16	1	46	1	4	1	2	2	4				
23	66	80	72	71.50	81	61	71	16	1	1	2	1	2	11	5	10	4 a.m. 4:30 p.m.			.90
24	67	78	67	69.25	79	57	66.50	46	1	46	1	4	1	10	5	5	7 a.m. 8 a.m.			.02
25	58	80	69	69	81	53	67	46	1	46	1	4	1	0	0	0				
26	60	83	67	69.25	83	56	69.50	16	1	46	1	4	1	0	2	1				
27	61	89	74	74.50	90	59	74.50	1	1	44	1	4	1	0	0	0				
28	65	90	74	75.75	90	62	76	1	1	6	2	4	1	0	2	2				
29	69	90	75	77.25	90	63	76.50	4	1	4	1	4	1	2	2	0				
30	69	85	72	74.50	85	55	70	44	1	4	1	4	1	0	2	0				
31	63	93	76	77	93	65	79	1	1	5	2	6	2	0	2	10				Thunder & lightning in the distance at 9 P.M.
														2.93	3.38	2.35				2.92 inches.

Main:

Max:

Mean:

N.		N.E.		E.		S.E.		S.		S.W.		W.		N.W.	
No.	Force.	No.	Force.	No.	Force.	No.	Force.	No.	Force.	No.	Force.	No.	Force.	No.	Force.
3	1.00	18	1.05	1	2.00	1	1.05	1	1.05	1	1.00	1	1.00	1	1.25
	1	18	1	1	2	1	1	1	1	1	1	1	1	1	1
Average cloudiness, } 2.88		No. of days of rain or snow, } 4				No. of days of snow, } —									

Max: 93°
Min: 47°
Range = 46°

C. B. White

METEOROLOGICAL REGISTER.

210 129

Station Columbian Barracks, Cher. Lat. 39° 57' 4" Long. 60° W Alt. of Bar. above Sea. about 900 feet.

1877 Month.	THERMOMETER.				SELF-REGISTERING THERMOMETER.			MOVEMENTS OF ATMOSPHERE.						AMOUNT OF CLOUDINESS.			RAIN AND MELTED SNOW.			REMARKS.	
	Day.	7 A. M.	2 P. M.	9 P. M.	Daily mean.	Max.	Min.	Mean.	7 A. M.		2 P. M.		9 A. M.		7 A. M.	2 P. M.	9 P. M.	Began.	Ended.		Quantity.
									WINDS.	Motion of clouds.	WINDS.	Motion of clouds.	WINDS.	Motion of clouds.							
1	68	72	53	64	72	47	59.50	71	6	W	1	4	1	0	0	0				44 during night	
2	55	71	53	53	71	43	57	43.5	4	W	2	4	1	3	8	0					
3	50	68	53	53.50	69	46	57.50	44	1	W	1	4	1	0	0	0					
4	53	75	61	62.50	77	57	64	42	1	W	2	4	1	0	0	0					
5	58	75	67	66.75	77	57	67	44	1	W	1	4	1	0	10	10				9 P.M.	
6	60	76	64	64.50	70	53	62.50	46	1	4	1	4	1	10	10	10				Waver	
7	60	74	53	62.50	74	53	63.50	44	1	4	1	4	1	4	4	0				16	
8	58	70	53	61	70	47	53.50	4	1	4	6	1	4	4	3	0					
9	54	75	66	65.25	77	63	70	46	1	4	6	1	4	6	10	10					
10	64	75	65	67.25	76	64	70	46	1	5	6	1	4	10	7	2					
11	66	76	68	69.50	75	60	67.50	4	1	5	6	1	4	10	10	4				W during night	
12	64	78	70	74.50	79	57	61	5	1	5	6	1	5	8	8	8				8 P.M. 1 A.M.	
13	61	80	68	69.25	81	53	69.50	4	1	5	6	1	4	0	5	0				W during the day, at intervals	
14	62	86	71	72.50	87	60	73.50	4	1	5	6	1	4	0	2	1				W	
15	65	81	72	72.50	81	67	74	5	1	5	6	1	4	0	8	5				W at 6 P.M., a little shower	
16	70	85	66	71.75	85	65	72.50	4	1	4	4	1	4	0	0	0				some rain, no measure	
17	63	68	54	57.75	68	58	53	4	1	4	4	1	4	10	5	2				6 P.M. 7 P.M.	
18	41	68	57	52.75	68	39	53.50	4	1	4	4	1	4	0	1	1				53	
19	43	71	55	56	71	42	56.50	4	1	4	4	1	4	2	6	4					
20	47	76	61	61.25	76	47	61.50	4	1	4	6	1	4	4	1	0					
21	49	71	53	56.25	72	39	53.50	4	1	4	6	2	4	2	0	0					
22	45	74	53	57.25	75	44	59.50	4	1	4	6	1	4	0	0	0					
23	48	81	67	65.75	81	53	67	4	1	4	6	1	4	0	0	0					
24	60	84	67	69.50	85	55	70	4	1	4	6	1	4	2	4	0					
25	63	85	70	72	85	55	70	4	1	4	6	1	4	0	2	0					
26	65	86	68	71.75	86	57	71.50	4	1	4	6	1	4	1	2	1					
27	62	80	68	69.50	81	56	68.50	4	1	4	6	1	4	4	8	8					
28	61	85	70	71.50	86	55	70.50	4	1	4	6	1	4	0	3	0					
29	62	86	69	71.50	86	53	69.50	4	1	4	6	1	4	0	1	0					
30	61	87	69	72.00	89	57	73	4	1	4	6	1	4	0	0	0					
	57.93	77.16	63.33	66.14	77.66	52.60	65.13							3.03	3.76	2.20				1.45 inch.	

SUMMARIES OF WINDS AND WEATHER.

N.		N. E.		E.		S. E.		S.		S. W.		W.		N. W.	
No.	Force	No.	Force	No.	Force	No.	Force	No.	Force	No.	Force	No.	Force	No.	Force
4	2	23	4	2	2	21	4	11	4	1	2	2	2	28	4
Average cloudiness, } 3.00 ✓		No. of days of rain and sleet, } 8				No. of days of snow, } —									

Max. 89°
Min. 38°
Range = 51°

G. B. White
Surgeon U. S. Army.

METEOROLOGICAL REGISTER.

210 130 *30*

Station *Columbus, South Carolina* Lat. *34° 57' N* Long. *60° W*

Alt. of Bar. above Sea. *about 900 feet.*

1877 Month.	THERMOMETER.				SELF-REGISTERING THERMOMETER.			MOVEMENTS OF ATMOSPHERE.						AMOUNT OF CLOUDINESS.			RAIN AND MELTED SNOW.			REMARKS.										
	7 A. M.	2 P. M.	9 P. M.	Daily mean.	Max.	Min.	Mean.	7 A. M.		2 P. M.		9 A. M.		7 A. M.	2 P. M.	9 P. M.	Began.	Ended.	Quantity.											
								WINDS. D. F.	Motion of clouds.	WINDS. D. F.	Motion of clouds.	WINDS. D. F.	Motion of clouds.																	
1	62	69	69	72.50	81	52	71.50	16	1	16	1	16	1	0	0	0														
2	60	56	60	66.50	81	52	66	16	1	16	1	16	1	0	5	0														
3	59	53	70	70.50	85	53	70.50	16	1	16	1	16	1	0	5	0														
4	59	64	49	57.50	61	55	59.50	16	3	17	4	16	1	10	0	0				<i>after days of rain.</i>										
5	41	68	46	49.00	67	33	46.50	16	1	17	1	17	1	0	0	0														
6	37	64	47	49.50	66	24	50	17	1	17	1	17	1	0	2	0														
7	27	63	57	57.50	66	54	60	17	1	16	1	16	1	0	0	0														
8	34	67	52	56.50	67	42	54.50	16	1	17	2	17	1	10	10	0				<i>.29 inches of fall.</i>										
9	52	68	57	58	63	50	59	6	1	17	1	17	1	0	0	0														
10	50	60	58	58.50	60	43	57.50	16	2	16	2	16	1	4	6	0														
11	47	50	48	48.50	50	45	48.50	16	2	16	2	16	1	4	10	10														
12	45	50	50	51.00	59	37	54.50	16	1	16	1	16	1	10	0	10														
13	52	70	55	58	70	40	56	16	1	17	1	17	1	4	5	0														
14	45	80	59	60.50	50	42	61	16	1	17	2	17	1	3	0	0														
15	47	78	58	60.50	78	43	60.50	16	1	16	1	16	1	0	0	0														
16	45	80	60	61.50	81	39	64	16	1	16	2	16	2	0	0	0														
17	50	58	60	62.50	56	52	66	16	1	16	1	16	1	0	0	0														
18	55	51	64	66	51	44	70.50	16	1	17	1	16	1	0	0	0														
19	63	65	63	63.50	65	57	62	16	1	17	1	17	1	10	10	10	<i>70.41 S. S.</i>			<i>14</i>										
20	60	60	50	55	60	42	57	16	2	16	2	16	1	10	10	10	<i>61.46 S. S.</i>			<i>14</i>										
21	50	51	41	48.50	57	32	44.50	16	1	16	2	16	1	10	10	10	<i>46.4 S. S.</i>			<i>all intervals</i>										
22	53	52	48	48.50	52	36	44	16	1	16	1	16	1	0	0	0														
23	57	66	52	57.50	66	41	53.50	16	1	16	1	16	1	0	5	0														
24	44	67	54	54.50	68	47	57.50	16	1	16	1	16	1	0	4	0														
25	38	65	54	55.50	65	39	57	16	2	16	1	16	1	10	2	10														
26	50	61	55	55.50	61	39	55.50	6	1	16	1	16	1	0	0	0														
27	53	65	55	57	65	46	55.50	16	1	16	2	16	1	0	0	0														
28	45	71	60	64.50	71	32	68	16	1	16	2	16	1	0	5	0														
29	61	70	57	61.50	70	41	55.50	16	1	16	1	16	1	0	0	0														
30	45	68	60	61.50	61	40	60	16	1	16	1	16	1	0	0	0														
31	47	58	41	46.50	58	27	46.50	16	1	16	1	16	1	10	0	0														
													49.61	67.84	57.32	57.32	?	45.09							3.55	3.00	3.16			

SUMMARIES OF WINDS AND WEATHER.

N.		N. E.		E.		S. E.		S.		S. W.		W.		N. W.	
No.	Force.	No.	Force.	No.	Force.	No.	Force.	No.	Force.	No.	Force.	No.	Force.	No.	Force.
5	5	15	15	0	0	9	4	10	5	6	7	7	5	5	7
Average cloudiness, } <i>3.24</i>						No. of days of rain and sleet, } <i>6</i>								No. of days of snow, } <i>0</i>	

Max. 89
Min. 30
Average 54

89
32
124
57

(see 21st)

C. B. White

METEOROLOGICAL REGISTER.

210 133 115

Station *Columbus B'ks, O.* Lat. *39° 27' N.* Long. *60° W.* Alt. of Bar. above Sea, *about 900 feet.*

187 Month.	THERMOMETER.				SELF-REGISTERING THERMOMETER.			MOVEMENTS OF ATMOSPHERE.						AMOUNT OF CLOUDINESS.			RAIN AND MELTED SNOW.			REMARKS.		
								7 A. M.		2 P. M.		9 A. M.										
	No.	7 A. M.	2 P. M.	9 P. M.	Daily mean.	Max.	Min.	Mean.	WINDS.	Motion of clouds.	WINDS.	Motion of clouds.	WINDS.	Motion of clouds.	7 A. M.	2 P. M.	9 P. M.	Began.	Ended.		Quantity.	
D.		F.	D.	F.	D.	F.	D.	F.	D.	F.	D.	F.	D.	F.	D.	F.	D.	F.	D.	F.		
1	50	53	46	45.75	53	45	49	W 1	S 1	W 1	S 1	W 1	S 1	1	5	10	7 a.m.	11 p.	34			
2	49	45	40	43.50	50	30	41	W 2	E 1	W 3	E 1	W 3	E 1	10	10	10				<i>a little rain, no measure</i>		
3	30	45	53	35.75	45	26	35.50	W 1		W 2		W 1		0	4	0						
4	29	57	45	44.	58	24	43.50	W 1	S 1	W 1	S 1	W 1	S 1	0	5	8	7 p.m.					
5	51	51	33	42.	51	33	42.	S 1		W 2	E 1	W 3	E 1	6	10	10		None		36		
6	20	41	26	38.	42	31	31.	W 1		W 1		W 1		0	1	0						
7	22	46	37	35.50	47	22	34.50	E 1		W 1		W 1		0	6	0						
8	40	57	53	52.	59	43	50.50	E 2		W 2		W 1		10	10	10	Night					
9	43	37	33	36.50	48	29	38.50	W 2		W 2		W 2		10	10	10			9 p.m.	1.18		
10	24	36	35	28.75	37	17	27.	W 2		W 2		0	0	10	4	0						
11	17	45	31	31.	45	22	33.50	0	0	W 1		0	0	0	1	0						
12	32	51	37	36.75	51	22	36.50	W 1		W 1		0	0	0	0	0						
13	23	57	42	41.	57	22	39.50	0	0	S 2		W 1		0	0	1						
14	37	65	56	53.50	65	35	50.	E 1		W 2		W 1		2	4	10	10 a.m.					
15	52	57	53	53.75	57	40	48.50	S 2	W 2	W 1	W 2	W 1	W 2	10	10	9		5 p.m.		28		
16	41	57	53	51.	57	41	44.	W 1	W 1	W 1	W 1	W 1	W 1	5	0	8	1 p.m.					
17	47	61	46	50.	63	38	45.	S 1		W 1		W 1	W 1	5	0	1		6 a.m.		16		
18	28	44	31	33.50	44	22	33.	W 1		W 1		W 1		0	0	0						
19	23	42	34	33.25	42	28	35.	W 1		W 1		W 1		1	3	7						
20	30	57	46	45.75	57	45	52.	W 1		W 1		W 1		0	0	2						
21	48	55	46	48.75	55	42	48.50	S 1		S 1		S 1		9	10	10	12.30 a.m.					
22	51	61	56	56.	61	47	53.50	S 1		W 1		W 1		10	10	10		1 p.m.		37		
23	51	56	55	54.25	57	47	52.	W 1		W 1		W 1		10	10	10		9 a.m.				
24	56	67	59	60.25	67	50	59.50	W 1		W 1		W 1		10	10	10					12	
25	55	63	52	55.50	63	48	55.50	S 1		S 1		W 1		10	10	2					<i>05 clearing night</i>	
26	46	51	46	47.25	56	44	50.	S 1		S 2		S 2		10	10	10	1 p.m.	8 p.m.		23		
27	42	44	42	42.50	48	39	43.50	W 1		S 1		S 1		10	10	10					<i>05 during night</i>	
28	39	38	32	35.25	41	32	36.	W 1		W 3		W 3		10	10	10					<i>a few flakes of snow in the afternoon</i>	
29	23	23	18	20.25	23	18	20.50	W 1		W 2		W 2		0	10	10					<i>Some snow, no measure</i>	
30	13	20	25	20.75	25	10	17.50	W 1		W 1		W 1		10	10	10					<i>Some snow, no measure</i>	
31	32.07	49.43	41.37	42.62	51.17	32.50	41.88							5.60	6.10	6.27						

SUMMARIES OF WINDS AND WEATHER.

N. 0		N.E. 0		E. 4		S.E. 0		S. 0		S.W. 0		W. 3		N.W. 0	
No.	Force	No.	Force	No.	Force	No.	Force	No.	Force	No.	Force	No.	Force	No.	Force
5	6	7	7	4	5	8	9	11	13	14	16	22	34	14	31
Average cloudiness, } <i>5.44.</i>		No. of days of rain and humidity, } <i>16</i>				No. of days of snow, } <i>0</i>									

*Max. 10
Min. 10
Range 60*

C. B. White

METEOROLOGICAL REGISTER.

Station *Columbus Barracks Ohio*

Lat. $39^{\circ}57'N$

Long. $60^{\circ}W$

210 135

Alt. of Bar. above Sea, about *900* feet.

1877 Month. Dec.	THERMOMETER.				SELF-REGISTERING THERMOMETER.			MOVEMENTS OF ATMOSPHERE.						AMOUNT OF CLOUDING-SS.			RAIN-AND-MELTED SNOW.			REMARKS.			
	7 A. M.	2 P. M.	9 P. M.	Daily mean.	Max.	Min.	Mean.	7 A. M.			2 P. M.			9 A. M.			7 A. M.	2 P. M.	9 P. M.		Began.	Ended.	Quantity.
								WINDS.		Motion of clouds.	WINDS.		Motion of clouds.	WINDS.		Motion of clouds.							
								D.	F.		D.	F.		D.	F.								
1	26	28	32	29.50	32	26	29	W	1														
2	29	39	33	33.50	40	29	34.50	SW	7														
3	28	47	37	37.25	47	21	34	SW	7														
4	42	47	55	49.75	55	32	43.50	SW	7														
5	55	43	36	44.50	55	32	43.50	SW	7														
6	33	33	31	32	36	29	32.50	SW	2														
7	29	43	38	37	44	29	36.50	SW	2														
8	28	32	29	37	38	28	33	SW	2														
9	19	39	29	29	39	19	29	SW	1														
10	36	46	42	41.50	50	36	43	SW	1														
11	40	56	40	44	56	38	47	SW	1														
12	30	56	52	47.50	60	29	47.50	SE	1														
13	48	53	35	41.50	56	34	45	SW	1														
14	24	44	32	33	45	22	33.50	SW	1														
15	32	56	56	50	56	28	42	SW	1														
16	43	61	56	54	64	38	48	SW	1														
17	52	60	55	55.50	61	50	55.50	S	1														
18	45	59	57	53.50	59	42	50.50	W	1														
19	50	65	52	54.75	67	49	58	SW	1														
20	44	67	48	51.75	67	47	57	SE	1														
21	40	65	50	57.35	66	40	53	SE	1														
22	47	59	53	53	60	44	52	E	1														
23	50	68	54	54	68	42	55	E	1														
24	60	65	56	59.25	67	57	62	E	1														
25	52	59	47	51.25	60	46	53	E	1														
26	48	48	44	46	48	43	45.50	N	1														
27	42	44	42	42.50	44	40	42	N	2														
28	41	46	45	44.25	46	40	43	N	1														
29	44	48	43	44.50	48	43	45.50	N	1														
30	38	34	35	35.50	44	32	38	N	3														
31	31	35	23	28	35	23	29	N	3														
				<i>43.13</i>																			
				<i>39.98</i>																			

SUMMARIES OF WINDS AND WEATHER.

N.	N.E.		E.		S.E.		S.		S.W.		W.		N.W.		
	No.	Force	No.	Force	No.	Force	No.	Force	No.	Force	No.	Force	No.	Force	
16	24	2	8	5	6	6	4	5	4	5	10	4	0	0	
Average cloudiness		6.05		No. of days of rain and hail				95		No. of days of snow				0	

Max. 68
Min. 19
Range = 49

C. B. White

Surgeon U. S. Army.