FORM No 3. By Thomas Kennedy State Librarian

METEOROLOGICAL REGISTER.

Station Columbus State of Ohio in the State Library — Latitude 39 Degrees 57 Minutes North — Longitude West 6 Degrees from Washington City or 83 Degrees from London — Alt. of Bar. above Atlantic Ocean 870 feet — Above Lake Erie 306 feet

1843 April	Barometer. Sun rise.	9 A.M.	3 P.M.	6½ P.M.	Thermometer attached. Sun rise.	9 A.M.	3 P.M.	6½ P.M.	Thermometer detached. In the shade and open air. Sun rise.	9 A.M.	3 P.M.	6½ P.M.	Daily Mean.	Clearness of the Sky. Sun rise.	9 A.M.	3 P.M.	6½ P.M.	Wind. Its force and course from. Sun rise.	9 A.M.	3 P.M.	6½ P.M.	Clouds. Their velocity and course from. Sun rise.	9 A.M.	3 P.M.	6½ P.M.	Wet Bulb. Sun rise.	3 P.M.	Rain. Began.	Ended.	Quantity.	Remarks
1																															I Close the Library at 6 o'clock P.M. Wx Line ½ of a Mile from the
2									29	35	41	33	34½	0	0	6	10	NW2	N2	N1	N1	NW2	N2	N1							
3									28	38	44	36	36½	2	2	4	0	N1	N1	NE1	NE1	N1	N1	NE1	NE1						Cloudy in the forenoon Fair in the afternoon
4									32	40	42	36	37½	0	0	0	0	NE1	NE1	NE1	NE1	NE1	NE1	NE1	NE1						A Cloudy Day with the appearance of Rain or Snow
5									38	40	51	44	43½	0	0	3	3	NE1	NE1	SW1	SW1	NE1	NE1	SW1	SW1						Last night and this morning Snow fell to the depth of 2 Inches
6									31	45	52	42	42¼	8	8	3	3	NW1	NW1	NW1	NW1	NW1	NW1	NW1	NW1						Fog in the morning variable through the Day
7									31	42	55	44	43	8	9	0	10	N1	N1	NW1		N1	N1	NW1							Variable through the Day with a Light Rain at 7 o'clock
8									28	44	62	54	47	10	5	3	0	NW1	NW1	SW1	S1		NW1	SW1	S1						Same Same
9	28.70	28.80	28.95	28.90	55	53	56	56	55	53	60	54	58	0	0	8	8	N2	N2	N3	N3	N2	N2	N3	N3						Moon 40 Degrees Variable with the appearance of Rain Circle around the
10	29.10	29.15	29.10	29.10	52	73	78	65	31	41	52	48	43	10	9	10	10	NW2	NW3	NW3	NW3	NW2	NW3	NW3	NW3						Variable with high Wind I got a Barometer & a Thermometer to Day
11	29.10	29.12	29.5	29	50	68	64	63	32	51	57	52	48	2	2	0	0	N1	N1	NW1	NW1		N1								Same Same
12	29	29.95	29.95	29.95	56	62	64	64	48	48	50	50	49½	0	0	0	0	N1	N1	SE1	SW1	N1	N1	SE1	SW1						Beautifull and Fair Spring Day
13	28.90	29.90	28.90	28.90	58	61	66	65	45	46	56	56	50¾	0	0	0	0	E1	E1	NE1	NE1	E1	E1	NE1	NE1			6½ A.M.	4 P.M.	¼ Inch	Cloudy with the appearance of Rain
14	28.90	29.95	29.95	29.95	59	70	70	70	46	61	68	64	52¾	8	7	0	2	N1	N1	NE1	N1	N1	N1	NE1	N1						A Rainy Damp Day
15	28.95	29.95	29.95	29.95	62	70	75	72	50	64	77	70	65	8	3	0	0	E1	E1	E1	E1	E1	E1	E1	E1						Cloudy with Some Light Rain in the afternoon
16	28.95	28.95	28.90	29.90	65	68	66	64	51	64	56	50	55¼	0	0	0	0	E1	S1	SW1	SW1	E1	S1	SW1	SW1						Fair in the forenoon Cloudy in the afternoon
17	28.90	28.88	28.80	29.85	54	63	66	66	45	48	54	48	48¾	0	0	0	0	SW0	SW0	NE1	N1	SW0	SW0	NE1	N1						Variable through the Day with the appearance of Rain
18	28.90	28.90	29.5	29.9	57	61	64	62	43	45	47	43	44½	0	0	0	0	E1	NE1	NE1	NE1	E1	NE1	NE1	NE1			10 A.M.	Light Rain		Cloudy in the forenoon Rain in the afternoon
19	29.10	29.15	29.15	29.15	54	61	64	63	46	53	54	50	49¾	0	0	0	0	NW1	NW1	N1	N1	NW1	NW1	N1	N1			5 P.M.	7½ O'clock P.M.	2 Inches ¾ Inch	in consequence of Rain fell 2 Degrees At 5 o'clock we had a thunder Storm Rain fell ¾ of an Inch
20	29.15	29.20	29.20	29.20	56	62	70	69	46	55	60	60	55¼	0	0	0	0	N1	N1	N1	N1	N1	N1	N1	N1						Light Rain in the morning Cloudy the remainder of the Day
21	29.15	29.10	29.5	29.5	59	67	74	73	43	56	74	72	66¾	5	3	5	2	NE1	NE1	E1	NE1	NE1	NE1	E1	NE1						A Cloudy Day
22	28.90	29.90	28.80	28.80	67	70	72	72	61	67	69	65	60¼	0	0	0	5	SE1	SW1	S2	S1	SE1	SW1	S1	SW1						Cloudy in the forenoon Fair in the afternoon
23	28.70	28.75	28.80	28.88	65	66	70	68	54	60	73	66	63¼	0	0	4	0	S1	SW1	NW2	W1	S1	SW1	NW2	W1			4 P.M.	5 P.M.	¼ Inch	Variable with the appearance of Rain
24	28.92	28.99	28.99	28.99	65	68	74	72	56	60	70	62	63½	0	0	3	0	NW1	NW1	W1	W1	NW1	NW1	W1	W1			6 A.M.	Shower	¼ Inch	Cloudy with a shower of Rain at 4 o'clock
25	28.95	28.95	28.90	28.80	66	74	78	78	53	68	81	79	70	5	5	5	5	S1	S1	SE1	SE1	S1	S1	NW1	NW1						Variable with shower of Rain to Day
26	28.80	28.80	28.80	28.78	71	76	74	74	64	70	70	70	68½	0	0	0	0	S1	SW1	SE1	S1	S1	S1	NW1	NW1						Cloudy with the appearance of Rain
27	28.70	28.80	28.95	29	70	70	70	70	54	53	60	54	55¾	0	0	2		N3	N3	N2	NW1	N3	N3	N1							Variable with the appearance of Rain
28	29.10	29.15	29.10	29.10	60	68	72	71	41	62	70	68	60½	10	10	10	10	NW0	NW1	W1	W1							12 M.	8 P.M.	¾ Inch ¼ Inch	Last night we had a thunder & Lightning Storm Rain fell ¾ of an Inch
29	29.5	29.5	29	29	66	68	73	70	49	67	76	68	63¾	5	0	0	0	S1	SW1	SW1	SW1	S1	SW1	SW1	SW1						Last night we had another Thunder Storm Rain fell ¼ of an Inch
30	28.65	29.60	28.59	28.70	64	64	68	64	54	54	66	54	57	0	0	3	6	SE1	S1	W3	W3	SE1	S1	W3	W3						Snow in the morning Cold & Fair and Beautifull Day
31																												4 A.M.	1 P.M.	½ Inch	A Cloudy Day with the appearance of Rain
																															Rain in the forenoon variable in the afternoon
Monthly Mean									1318 / 43.93	1571 / 52.37	1799 / 60.00	1649 / 54.66	1.340																	2.875	This Month Snow fell to the depth of 2 Inches Rain 3 ¾ Inches

I keep a form of each month if you please send me some forms

Every person into whose hands this form shall fall is requested to keep a journal of the winds and weather, even if he has no Barometer or Thermometer, and forward it monthly to the "Surgeon General U.S. Army," Washington, D.C. with the endorsement "Meteorology" on the corner of the envelope. The wet-bulb is ascertained by putting a thin wet rag round the bulb of the thermometer and swinging it in the shade till it falls as low as it will in the open air. The force of the wind is estimated in numbers 0 being a calm, 1 a very gentle breeze, 2 a gentle breeze, 3 a fresh breeze, 4 a strong wind, 5 a very strong wind, 6 a violent storm &c. The numbers are put just after the course thus, if the wind for example is from the S.W. strong it will be set down S.W4. The clouds will be marked in the same way, if for example they have a very gentle motion from the West they will be marked W.1. "The clearness" of the sky will also be marked in numbers, 0 representing entire cloudiness, 1 a slight degree of clearness and so on till 10, entire clearness. The Dew-point is the highest temperature at which the vapour in the open air will condense on a bright metalic or thin glass tumbler of water cooled down by ice, or pulverized muriate of ammonia and nitrate of potash in equal quantities. The dew-point when it is not very low, may also be obtained nearly, by dividing 103 times the difference between the temperature of the air and the wet-bulb temperature, by the wet-bulb temperature, and subtracting the quotient from the temperature of the air, the remainder will be the dew-point. The higher the dew-point, the more vapor there is in the air.

FORM Nº 3. By Thomas Kennedy State Librarian

METEOROLOGICAL REGISTER.

Station Columbus State of Ohio in the State Library — Latitude 39 Degrees 57 Minutes North — Longitude West 6 Degrees from Washington City or 83 Degrees from London — Above Lake Erie 306 feet — Alt. of Bar. above Atlantic Ocean 970 feet

1843 May	Barometer. Sun rise.	9 A.M.	3 P.M.	6 ¾ P.M.	Thermometer attached. Sun rise.	9 A.M.	3 P.M.	6 ¾ P.M.	Thermometer detached. In the shade and open air. Sun rise.	9 A.M.	3 P.M.	6 ¾ P.M.	Daily Mean.	Clearness of the Sky. Sun rise.	9 A.M.	3 P.M.	6 ¾ P.M.	Wind. Its force and course from. Sun rise.	9 A.M.	3 P.M.	6 ¾ P.M.	Clouds. Their velocity and course from. Sun rise.	9 A.M.	3 P.M.	6 ¾ P.M.	Wet Bulb. Sun rise.	3 P.M.	Rain. Began.	Ended.	Quantity.	Remarks
1	29.90	29.97	29.00	29.5	56	64	66	66	42	46	56	56	50	6	6	9	5	M1	W3	NW3	NW1	W1	W3	NW3	NW1						I close the Library at 6 O clock to Sue ½ of a mile from it
2	29.20	29.20	29.22	29.22	66	60	66	66	44	53	62	52	53¾	0	0	0	0	N1	N1	NE1	NE1	N1	N1	NE1	NE1						Cloudy in the forenoon variable in the afternoon
3	29.20	29.22	29.25	29.20	56	64	68	69	39	56	65	64	56	10	10	9	10	No	N1	W1	NW1			NW1							A Cloudy Day
4	29.20	29.20	29.20	29.18	60	64	71	69	44	64	76	68	63	4	0	0	0	NW1	NW1	W1	W1	NW1	NW1	W1	W1						Fair and Beautifull Spring Day
5	29.20	29.20	29.10	29.10	62	67	76	74	51	65	80	76	68	0	4	4	3	No	E1	W1	SW1	No	E1	W1	SW1						A Cloudy Day
6	29.00	29.00	29.00	29.00	70	74	74	76	62	76	74	74	71½	5	0	0	10	S2	SW½	W3	SW3	S0	SW3	W2							Variable through the Day
7	29.00	29.00	29.95	28.95	70	72	75	72	55	66	75	68	65¾	10	5	3	2	NW0	SW½	W½	SW3		SW½	W½	SW3						Variable with high Wind
8	29.00	29.10	29.00	29.00	67	68	71	70	59	60	69	64	63	0	0	3	0	W1	W1	W1	W1	W1	W1	W1	W1						Same Same
9	29.00	29.5	29.5	29.5	64	66	68	66	54	56	52	52	56	0	0	0	0	E1	E1	NE1	NE1	E1	E1	NE1	NE1						A Cloudy Day
10	29.00	29.00	29.00	29.3	61	64	67	66	52	56	59	55	55½	0	0	0	0	NE1	NE1	N1	N1	NE1	NE1	N1	N1			5 A.M.	1 P.M.	½ Inch	A Light Rain fell the most of the Day
11	29.10	29.15	29.20	29.20	61	64	66	65	51	54	62	59	56½	0	0	0	5	N1	NE1	N1	N1	N1	NE1	N1	N1			10 A.M.	6 P.M.	½ Inch	Light Rain has been falling since 10 O clock
12	29.20	29.20	29.10	29.9	58	72	70	68	40	57	72	68	59¼	10	9	3	0	N1	N1	E1	E1										Light drizzling of Rain in the morning Cloudy through the Day
13	29.00	29.00	28.96	28.92	65	66	74	74	57	66	80	76	64¾	0	0	3		SE1	SE1	S1	SW1	SE1	SE1	S1	SW1						Fog in the morning and Variable through the Day
14	28.90	28.90	28.80	28.80	70	74	80	82	62	76	88	85	75¼	0	5	8	5	N2	SE1	SW1	SW1	SW1	SW1	SW1	SW1						A Cloudy Day with the appearance of Rain
15	28.80	28.80	28.82	28.90	76	78	82	82	72	73	82	77	77¼	5	5	8	10	SW1	SW½	W½	W1	SW1	SW½	W½	W1			3 A.M.	5 A.M.	½ Inch	Variable with very high Wind
16	29.0	29.10	29.8	29.8	72	73	76	76	59	69	76	74	69½	8	8	3	3	NW1	W1	W3	W1	NW1	W1	W3	W1						Same Same
17	29.20	29.22	29.22	29.20	68	74	74	71	54	62	68	64	62	2	2	3	0	NE1	NE1	NE1	NE1	NE1	NE1	NE1	NE1						Variable and a very pleasant Day
18	29.20	29.20	29.20	29.20	63	66	70	71	50	64	68	64	61½	0	0	0	5	E1	E1	E1	E1	W1	W1	W1	W1						Same Same
19	29.15	29.10	29.8	29.8	63	74	74	73	51	70	71	69	70¼	0	3	5	5	E1	E1	NE1	NE1	W1	W1	NE1	NE1						Same Same
20	29.8	29.8	29.00	28.95	62	66	73	72	44	66	73	70	63¼	10	10	8	8	NE1	NE1	N2	N1			N2	N1						Same Same
21	28.90	28.88	28.70	28.70	62	68	73	72	43	68	79	72	70½	10	9	9	9	NW1	SW1	SW1	NW2		SW1	SW1	NW1						~~Same~~ Fair and ~~Same~~ Beautifull Day
22	28.70	28.70	28.67	28.67	67	68	74	70	58	59	74	65	64	0	0	3	3	S1	W1	SW1	SW1	S1	W1	SW1	SW1			in the Night		½ Inch	Fair in the morning Cloudy the Remainder of the Day
23	28.70	28.77	28.75	28.80	65	70	72	72	51	68	74	68	65¼	10	0	0	5	S1	SW1	W2	N1		SW1	W1	SW1			4 P.M.	2 P.M. of 9 P.M.	½ Inch	Rain Last night and this morning and at 4 O clock until 5 O clock Rain fell to the Depth of ½ Inch
24	28.90	29.00	28.95	28.90	65	68	76	77	49	65	80	80	66	8	8	10	8	N1	E1	SE1	E1	N1	E1		N1						Variable through the Day
25	28.95	28.95	28.90	28.90	72	74	84	84	62	76	86	86	77½	5	2	5	5	N1	NE1	SW3	SW1	NW1	NW1	SW3	SW1						Fair and pleasant Day but Black Clouds rising in the West
26	28.88	28.85	28.80	28.80	76	80	84	82	68	82	84	82	79	5	0	7	5	SW1	SW3	W½	W1	SW1	SW3	W½	W1						Variable through the Day
27	29.00	29.00	29.00	29.00	74	76	79	78	58	70	79	78	71¼	10	10	7	5	W1	SW1	W2	W1			W1	W1						Same Same
28	29.00	29.00	28.88	28.80	72	72	70	68	62	62	56	56	59	0	0	0	0	NE1	NE1	NE1	NE1	SW1	SW1	NE1	NE1						Same Same
29	28.75	28.80	28.90	28.90	64	68	72	70	53	57	64	64	59½	0	0	3	9	NE1	NE1	NE1	NE1	NE1	NE1	NE1	NE1			9½ A.M.	9 P.M.	1 Inch	A Rainy Day
30	28.95	28.95	28.85	28.80	60	76	72	70	44	60	75	66	61½	10	10	4	2	N1	NW1	W½	W1			W3	W1						Cloudy in the forenoon Fair in the afternoon
31	28.90	28.95	28.90	28.90	60	64	67	66	42	54	66	61	55¾	0	0	2	4	N1	N1	NW1	NW1	N1	N1	NW1	NW1						Fair in the forenoon Cloudy in the afternoon
									1632	1981	2225	2113																			Variable through the Day
Monthly Mean									52.64	63.90	71.77	68.16	64.12																		You will oblige to send me some Forms

2.75

* Every person into whose hands this form shall fall is requested to keep a journal of the winds and weather, even if he has no Barometer or Thermometer, and forward it monthly to the "Surgeon General U.S. Army," Washington, D.C. with the endorsement "Meteorology" on the corner of the envelope. The wet-bulb is ascertained by putting a thin wet rag round the bulb of the thermometer and swinging it in the shade till it falls as low as it will in the open air. The force of the wind is estimated in numbers 0 being a calm, 1 a very gentle breeze, 2 a gentle breeze, 3 a fresh breeze, 4 a strong wind, 5 a very strong wind, 6 a violent storm &c. The numbers are put just after the course thus if the wind for example is from the S.W. strong it will be set down S.W.4. The clouds will be marked in the same way: if for example they have a very gentle motion from the West they will be marked W.1. The clearness of the sky will also be marked in numbers, 0 representing entire cloudiness, 1 a slight degree of clearness and so on till 10, entire clearness. The Dew-point is the highest temperature at which the vapour in the open air will condense on a bright metalic or thin glass tumbler of water cooled down by ice, or pulverized muriate of ammonia and nitrate of potash in equal quantities. The dew-point when it is not very low, may also be obtained nearly, by dividing 103 times the difference between the temperature of the air and the wet-bulb temperature, by the wet-bulb temperature, and subtracting the quotient from the temperature of the air; the remainder will be the dew-point. The higher the dew-point, the more vapor there is in the air.

FORM No. 3. By Thomas Kennedy State Librarian

METEOROLOGICAL REGISTER.

Station Columbus State of Ohio in the State Library — Latitude 39 Degrees 57 Minutes North — Longitude West 6 Degrees from Washington City or 83 Deg. from London — Height Bar. above The Atlantic Ocean 870 feet — Above Lake Erie 306 feet

1849 July	Barometer. Sun rise.	9 A.M.	3 P.M.	6 & 9 P.M.	Thermometer attached. Sun rise.	9 A.M.	3 P.M.	6 & 9 P.M.	Thermometer detached. In the shade and open air. Sun rise.	9 A.M.	3 P.M.	6 & 9 P.M.	Daily Mean.	Clearness of the Sky. Sun rise.	9 A.M.	3 P.M.	6 & 9 P.M.	Wind. Its force and course from. Sun rise.	9 A.M.	3 P.M.	6 & 9 P.M.	Clouds. Their velocity and course from. Sun rise.	9 A.M.	3 P.M.	6 & 9 P.M.	Wet Bulb. Sun rise.	3 P.M.	Rain. Began.	Ended.	Quantity.	Remarks
1	29.05	29.10	29.05	29.00	85	88	93	94	75	89	95	94	87¼	10	3	6	6	W1	W2	SW3	SW2		W2	SW2	SW2						Fair but a remarkable warm Day
2	28.95	29.00	29.00	29.00	80	90	90	91	78	82	94	78	86½	8	0	7	10	SW1	NW1	SW¼	NW4	SW1	NW3	NW4							Cloudy in the forenoon Fair in the afternoon
3	29.10	29.10	29.15	29.15	78	78	78	79	56	74	74	72	69	10	5	6	7	N1	N2	N2	N1		N2	N2	N1						A Fair and pleasant Day
4	29.10	29.20	29.12	29.10	72	74	81	80	53	73	82	80	72	10	10	3	8	N1	NW1	SW½	SW1			SW1	SW1						Fair in the forenoon Cloudy in the afternoon
5	29.10	29.10	29.10	29.07	72	76	84	82	62	80	89	84	78½	5	5	4	4	SW1	NW2	SW2	SW2	NW1	NW2	SW2	SW2						Variable through the Day
6	29.10	29.20	29.17	29.13	75	76	81	80	65	76	82	80	75¾	0	0	5	3	NE1	NE1	S1	S1	SW1	SW1	N1	N1						Same Same
7	29.10	29.05	29.03	29.03	76	82	87	88	66	84	90	88	82	5	7	5	4	S1	SW2	SW½	SW2	N1	W2	W2	W1						Same Same
8	29.00	29.10	29.08	29.05	78	78	82	80	56	73	86	81	74½	5	5	2	2	NW1	NW1	N¼	SW1	NW1	NW1	NW1	W1						Cloudy and Variable
9	29.05	29.05	29.00	28.95	76	82	84	82	66	82	88	80	79	0	4	3	2	W1	W1	S1	SW1	W1	W1	S1	SW1						A Cloudy day with the appearance of Rain
10	28.90	28.90	28.90	28.90	78	81	83	81	68	80	86	74	79¾	6	4	0	0	S1	SW1	W1	N1	S1	W1	W1	S1						Same Same
11	29.45	29.00	29.00	29.04	76	76	74	74	64	74	70	68	71½	0	0	0	0	NE1	NE1	N1	N1	NE1	NE1	N1	N1			Last	Night	¼ Inch	A Cloudy Day ~~from the greater part of the day~~
12	29.10	29.13	29.13	29.13	70	74	80	80	54	73	84	82	73¾	7	7	5	5	N1	N1	E1	E1	N1	N1	E1	W1						~~Same~~ Fair the ~~Same~~ greater part of this Day
13	29.25	29.30	29.30	29.30	75	78	85	86	64	78	88	86	79	10	7	5	5	S1	S1	SE1	S1		S1	SE1	S1						Same Same
14	29.30	29.33	29.30	29.25	78	85	89	89	65	85	90	89	87¼	10	7	5	8	S1	S1	SW2	SW1		S1	SW2	SW1						Same Same
15	29.20	29.20	29.15	29.10	80	86	92	90	70	87	94	91	85½	7	9	5	6	SW1	SW1	SW4	SW3	SW1	SW1	SW2	SW2						Same Same
16	29.10	29.05	29.03	29.00	84	88	92	92	72	89	97	92	87½	5	8	4	7	SW1	SW1	SW3	SW1	SW1	SW1	SW2	SW1						At 12½ O'clock the Thermometer Detached stood at 100 Degrees
17	29.00	29.00	28.95	28.90	84	88	94	90	74	88	95	90	86¾	7	7	3	0	SW1	SW2	SW4	NW1	SW1	SW2	SW3	NW1						Variable with Rain and heavy Thunder and Lightning
18	29.00	29.02	29.00	28.98	83	86	87	87	71	77	89	87	81	0	0	6	7	W1	W2	SW2	SW2	W1	W2	NW1	NW1			6½ P.M.	8 P.M.	1 Inch	Cloudy in the morning Variable in the afternoon
19	29.00	29.00	28.98	28.97	83	84	87	84	73	83	87	82	79½	4	8	2	8	W1	W1	N1	N1	W1	W1	N1	N1						Variable through the Day with the appearance of Rain
20	29.00	29.05	29.03	29.00	74	78	86	80	64	76	79	76	73¾	7	7	9	8	N1	NE2	NE	2	NE1	N1	SW1	SW1						Variable to Day but no Rain
21	29.05	29.08	29.04	29.02	72	76	88	80	52	76	84	80	73	9	8	6	3	NE1	NE1	SE	1	SE1	SW1	SW1	SW1						A Fair Day
22	29.05	29.10	29.10	29.09	68	80	83	82	58	78	88	82	76½	3	0	3	7	NE1	NE1	N	1	NE1	SW1	SW1	S1						Variable through the Day
23	29.09	29.10	29.10	29.00	74	74	88	85	56	77	89	88	74¾	10	10	10	10	NE1	NE1	SW	1	SW1									A Fair Day
24	29.00	29.00	29.00	29.00	72	78	88	84	62	75	89	86	78	3	5	0	4	SW1	SW1	SW	2	NW1	NE1	NE1	NW1						Variable through the Day
25	29.08	29.12	29.10	29.10	74	80	88	86	64	80	89	86	79¾	5	10	7	9	NW1	NW1	NW1	SW1	NW1		NW1	SW1						Same Same
26	29.15	29.15	29.10	29.10	76	84	92	90	66	84	94	90	83¾	5	10	4	3	SW1	SW1	SW	3	SW1	SW1		NW1	NW1					Same Same
27	29.12	29.10	29.15	29.10	82	88	94	92	70	85	99	92	85¾	8	8	5	3	SW1	SW1	SW	1	SW1	NW1	NW1	SW1	SW1					Same Same
28	29.00	29.00	28.98	28.95	84	86	92	90	74	86	94	90	86	10	8	8	3	SW1	SW3	SW	4	SW1		SW3	SW4	NW1					Same Same
29	28.90	29.00	28.97	28.93	82	82	88	84	74	78	90	80	80½	0	0	2	0	W1	W1	SW	1	NE1	W1	W1	SW1	SW1					Same Same
30	29.00	29.00	29.00	29.03	78	78	78	82	62	64	70	62	66	0	0	0	2	N1	N1	N	1	N2	N1	N1	N1			7 P.M.			Same Same
31	29.10	29.10	29.10	29.10	70	73	80	78	60	69	80	78	69½	10	10	6	7	N1	N1	N	2	N1		N2	N1			3 A.M.	in Night 10 A.M.	1 Inch & ¼ Inch	Thunder Lightning accompanied by Rain last Night Light Rain in the morning Cloudy the rest of the Day
Monthly Mean									695	799	867½	830	781																	2.5 Inch	Variable through the Day
									2000	2455	2689	2574																		2.625	

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FORM Nº 3. By Thomas Kennedy State Librarian

METEOROLOGICAL REGISTER.

Station Columbus State of Ohio in the State Library

Latitude 39 Degrees 57 Minutes North Longitude West 6 Degrees from Washington City or 83 Deg from London Alt. of Bar. above the Atlantic Ocean 890 feet Alms Lake Erie 306 feet

1848 19 August	Barometer. Sun rise.	9 A.M.	3 P.M.	6½ P.M.	Thermometer attached. Sun rise.	9 A.M.	3 P.M.	6½ P.M.	Thermometer detached. In the shade and open air. Sun rise.	9 A.M.	3 P.M.	6½ P.M.	Daily Mean.	Clearness of the Sky. Sun rise.	9 A.M.	3 P.M.	6½ P.M.	Wind. Its force and course from. Sun rise.	9 A.M.	3 P.M.	6½ P.M.	Clouds. Their velocity and course from. Sun rise.	9 A.M.	3 P.M.	6½ P.M.	Wet Bulb. Sun rise.	3 P.M.	Rain. Began.	Ended.	Quantity.	Remarks
1	29.06	29.06	29.04	29.04	72	74	79	73	56	74	82	76	72	9	10	3	5	N1	N1	NW1	N1	N1		NW1	N1						
2	29.06	29.10	29.08	29.02	72	74	80	78	54	72	81	76	70¾	10	8	4	7	N1	NE1	NE1	NE1		NE1	NE1	NE1						Variable through the Day
3	29.10	29.15	29.10	29.12	72	76	81	80	54	75	82	80	72¼	10	10	7	10	NE1	NE1	E1	E1			E1							Same Same
4	29.20	29.21	29.21	29.22	74	77	76	76	62	79	71	73	71¼	3	2	0	0	NE1	E1	NE1	NE1	SW1	SW1	NE1	NE1						A Fair and pleasant Day
5	29.19	29.20	29.18	29.15	74	79	89	82	67	77	85	83	78	2	3	4	7	E1	SE1	SE1	SE1	E1	SE1	SE1	SE1		12 Mo	in Night	½ Inch		Cloudy and Rain the most of the Day
6	29.13	29.15	29.10	29.08	78	82	83	84	69	80	90	85	81	3	5	3	7	S1	S1	SW1	SW1	S1	S1	SW1	SW1						Variable through the Day
7	29.08	29.06	29.05	29.05	78	82	83	80	68	80	85	80	73¼	4	6	0	0	SW1	SW1	SW2	SW1	SW1	SW1	SW1	SW1						Same Same
8	29.05	29.08	29.08	29.07	80	80	78	78	70	78	81	78	76¾	0	0	0	2	S1	S1	S1	S1	S1	S1	S1	S1						A Cloudy Day
9	29.08	29.10	29.08	29.06	76	76	82	81	67	75	82	81	76¼	0	0	7	3	S1	S1	SW2	SW1	S1	S1	SW1	NW1						Same
10	29.06	29.06	29.02	29.00	74	77	85	82	63	77	85	81	75¼	3	8	7	7	N1	N1	NE1	N1	N1	N1	NE1	N1						Fog in the morning Variable through the Day
11	29.05	29.10	29.08	29.06	74	77	84	83	61	77	86	83	76¼	3	3	5	3	NE1	NE1	S2	SW2	NE1	NE1	W1	W1						Variable through the Day
12	29.10	29.10	29.07	29.05	74	79	86	84	62	80	87	84	72¼	3	10	5	3	SW1	SW1	S1	S1	SW1	[illegible]	S1	S1						Same Same
13	29.05	29.05	29.00	28.95	75	80	86	84	68	80	89	84	79	5	2	3	5	S1	S1	S2	S2	S1	S1	S1	S1						Same Same
14	29.35	29.05	29.90	28.90	80	82	84	82	71	78	83	82	79½	0	4	6	2	W1	W2	W3	W2	W1	W2	W3	W2		in Night				Same With the appearance of Rain
15	29.00	29.02	29.00	29.00	76	78	84	84	60	73	86	84	77	10	10	5	7	NW1	NW1	W3	SW2			W3	SW1			6 Mo	1 Inch		Rain in the morning Variable through the Day
16	29.00	29.02	29.00	29.00	76	80	86	84	64	77	86	84	75¼	7	10	7	10	SW1	SW1	W3	W1	SW1		W2							Fair in the morning Variable through the Day
17	29.00	29.00	29.95	29.00	76	77	82	79	66	76	82	74	74½	2	0	0	0	W1	SW2	NW4	S	W1	SW1	NW4	S1						A Fair Day
18	29.00	29.02	29.00	29.00	74	74	76	75	65	68	74	70	71¾	0	0	0	0	S1	SW1	SW1	SW1	S1	SW1	SW1	SW1		3 Mo	5 Mo	5 Inch		A Cloudy Day Rain at 3 O clock 15 minutes after Barometer raised 2 degrees
19	29.00	29.04	29.04	29.04	72	72	73	72	66	70	71	65	68	0	0	0	0	NE1	NE1	N1	NE1	NE1	NE1	N1	NE1		2 Mo	9 Mo	½ Inch		A Cloudy dump Day
20	29.00	29.06	29.04	29.05	68	71	74	74	58	68	74	71	67¾	5	5	2	5	N1	NE1	N2	N1	N1	NE1	N1	N1						A Cloudy Day
21	29.00	29.12	29.10	29.10	68	72	75	72	54	70	75	72	67¾	10	8	2	2	N1	NE1	E2	E1		NE1	E1	E1		Lost	Night	½ Inch		Variable through the Day
22	29.10	29.10	29.10	29.08	68	73	74	71	57	74	74	71	69	5	2	4	3	E1	E1	E2	NE	E1	W1	W1	NE1						Same Same
23	29.08	29.10	29.06	29.05	68	71	76	75	54	69	76	75	67¾	3	9	5	2	NE1	NE1	E2	E1	NE1	NE1	E2	E1						Same Same
24	29.05	29.08	29.07	29.05	68	74	79	76	54	71	80	76	70¼	10	10	4	10	E1	E1	E1	E1			E1							Same Same
25	29.05	29.10	29.05	29.05	70	74	84	80	56	71	84	80	72¾	6	10	3	10	E1	E1	SW3	SW1	E1		SW2							Same Same
26	29.05	29.10	29.06	29.06	72	80	85	82	62	77	85	82	76½	10	10	5	10	SW1	SW2	SW4	SW1			SW3							Same Same
27	29.06	29.10	29.00	29.06	76	80	84	81	70	77	84	81	78	0	0	0	4	W1	SW1	SW1	SW1	W1	SW1	SW1	SW1		Lost	Night	½ Inch		A Cloudy Day
28	29.10	29.15	29.10	29.10	74	77	83	80	63	77	83	80	76	10	6	3	7	SW1	W1	W1	SE1	SW1	NW1	W1	SE1						Fog in the morning Variable through the Day
29	29.10	29.17	29.10	29.10	74	74	82	80	66	76	84	79	76¼	0	0	0	0	SE1	SE1	SE1	SE1	SE1	SE1	SE1	SE1						A Cloudy Day
30	29.10	29.16	29.10	29.10	77	79	84	82	74	78	86	82	80	3	3	3	9	SE1	SW3	SW3	SW1	SE1	SW1	SW1	SW1						Same
31	29.10	29.20	29.10	29.10	74	79	86	82	64	72	86	82	76	10	8	7	10	SW1	SW1	SW3	SW1		SW1	SW1							A Fair Day
Monthly Mean									1940	2331	2659	2434																		22 Inch 2,375	
									62.58	75.19	81.90	78.52	74.55																		

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FORM Nº 3. By Thomas Kennedy State Librarian

METEOROLOGICAL REGISTER.

Station Columbus State of Ohio in the State Library — Latitude 39 Degrees 57 Minutes North — Longitude West 6 Degrees from Washington City or 83 Degrees from London — Height of Bar above The Atlantic Ocean 870 feet

Above Lake Erie 206 feet

1843 October	Barometer. Sun rise.	9 A.M.	3 P.M.	6½ P.M.	Thermometer attached. Sun rise.	9 A.M.	3 P.M.	6½ P.M.	Thermometer detached, in the shade and open air. Sun rise.	9 A.M.	3 P.M.	6½ P.M.	Daily Mean.	Clearness of the Sky. Sun rise.	9 A.M.	3 P.M.	6½ P.M.	Wind. Its force and course from. Sun rise.	9 A.M.	3 P.M.	6½ P.M.	Clouds. Their velocity and course from. Sun rise.	9 A.M.	3 P.M.	6½ P.M.	Wet Bulb. Sun rise.	3 P.M.	Rain. Began.	Ended.	Quantity.	Remarks
1	28.70	28.70	28.75	28.75	68	62	70	62	65	62	70	62	66¼	5	3	3	9	S2	SW4	SW3	SW1	S1	SW4	SW3	SW1						Cloudy Day with very high Wind
2	28.80	28.85	28.80	28.80	62	70	70	68	52	62	68	62	61	10	8	4	3	SW1	W3	W3	W2		W3	W3	W3						Rain in the morning Cloudy in the Afternoon
3	28.85	28.90	28.85	28.90	62	66	70	66	46	54	62	58	55	10	10	7	9	W1	W1	W3	W3			W2	W2						A Fair Day with a very high Wind in the Afternoon
4	29.00	29.05	29.03	29.03	59	66	70	67	44	54	64	59	55½	10	10	9	9	W1	W1	W3	W1			W1	W1						A Fair Day
5	29.10	29.15	29.10	29.07	58	65	71	62	40	53	69	65	56¾	10	8	10	10	W1	W1	S1	S1		W1								Frost in the morning and a Fair Day
6	29.00	28.97	28.97	28.90	62	64	65	66	54	61	65	63	60¾	0	0	0	0	S E1	S E1	SW1	S1	S E1	S E1	SW1	S1			5 A.M.	10 P.M.	1 Inch	A Rainy Day
7	28.60	28.57	28.60	28.65	66	66	66	64	63	66	58	53	62	0	0	0	0	S W1	S W1	SW2	W2	S W1	S W1	SW2	W2			8 A.M.	4 P.M.	½ Inch	A Drizzling Rainy Day
8	28.68	28.70	28.75	28.75	58	57	60	56	46	45	52	46	46¼	0	0	2	6	S W2	W2	W3	W1	S W2	W2	W2	S W1			7 A.M.	9 A.M.	½ Inch	Variable through the Day
9	28.70	28.70	28.70	28.75	52	53	61	60	43	45	52	48	47	0	0	0	0	S1	SW1	SW2	SW1	S1	S W1	NW1	SW1			5 A.M.	7 A.M.	½ Inch	A Cloudy damp Day
10	28.90	28.90	28.85	28.80	52	57	66	62	42	49	56	52	49¾	0	2	7	2	S W1	NW1	SW2	S2	NW1	NW1	W2	W2						A Cloudy Day with a light Sprinkling Rain
11	28.80	28.82	28.82	28.85	54	61	64	64	46	55	60	58	53¾	2	2	0	0	S1	S W1	W1	W1	S1	S W1	W1	W1			1 P.M.	5 P.M.	½ Inch	A Cloudy Day with Rain & Thunder in the afternoon
12	29.00	29.03	29.10	29.10	56	59	64	61	46	52	52	50	51½	0	0	3	8	N1	W2	SW2	NW1	N1	W2	NW1	NW1						Cloudy in the morning Variable in the afternoon
13	29.10	29.12	29.10	29.13	53	60	60	60	36	42	49	44	42¾	9	8	3	7	N1	NW1	W3	W2	N1	NW1	W2	W1						Frost in the morning Variable through the Day
14	29.25	29.30	29.30	29.20	42	56	63	60	35	40	48	45	42	0	5	7	2	N1	NW3	S2	S1	N1	NW3	S1	S1						Snow Snow
15	29.70	29.80	29.90	29.90	50	53	54	52	40	42	55	52	47¾	0	0	1	3	S E2	S E3	SW2	W2	S E1	S E2	SW2	W2						A Cloudy Day
16	29.00	29.00	29.00	29.00	50	54	60	58	42	44	50	46	45¾	0	0	0	0	W2	W2	W2	W2	W2	W2	W2	W2						Snow
17	28.90	28.90	28.85	28.85	48	51	62	60	36	38	52	46	43	0	0	5	9	W3	W3	W4	W1	W3	W3	W3	W1						Light Snow in the morning Variable afternoon
18	28.90	28.90	28.80	28.80	47	56	62	61	34	44	55	51	46	9	3	2	0	S1	S1	SW3	S1	S1	W1	SW2	S1						Frost in the morning and a Cloudy Day
19	29.10	29.15	29.12	29.10	50	58	66	64	32	44	56	52	46	10	10	10	8	NW1	NW1	S E1	S2				S1						Frost in the morning and a Fair Day
20	29.00	29.02	28.90	28.90	50	62	74	72	37	53	74	69	58¼	10	9	7	9	S1	S2	SW4	SW1		S4	SW3	SW1						Snow Snow
21	28.80	28.80	28.80	28.80	66	69	68	68	66	67	58	56	61¾	0	0	0	0	S W3	S W4	NW2	NW1	S W4	S W4	NW2	NW1			12 M.	4 P.M.	½ Inch	Cloudy Day with Rain in the Afternoon
22	28.85	28.85	28.85	28.90	58	60	59	51	43	51	50	45	42½	5	2	0	0	N1	N E1	N E1	N E1	N1	N E1	N E1	N E1						A Cloudy Day
23	29.25	29.12	29.10	29.02	59	58	68	63	29	36	50	46	42¾	10	8	8	2	N1	N2	E2	S E1		N2	W1	NW1			Last	Night	½ Inch	Rain in the morning Cloudy in the Afternoon
24	29.00	29.00	29.00	29.00	49	67	64	62	31	45	58	56	47½	5	5	0	0	S E1	S E1	S E1	S E1	NW1	NW1	NW1	NW1						Frost in the morning and a Cloudy Day
25	28.95	29.00	29.00	29.10	57	62	66	64	50	48	46	42	46½	0	2	7	0	NW2	NW2	W2	W1	NW2	NW2	W1	W1			Last	Night	½ Inch	A Cloudy Day
26	29.00	29.00	28.95	28.93	50	56	59	59	37	42	42	40	40¼	0	0	0	0	N1	N1	S E2	N E2	N1	N1	N E1	N E1						Snow
27	28.70	28.70	28.75	28.80	46	52	56	55	33	46	43	36	40	0	0	1	5	NW2	NW2	W2	W2	NW1	NW1	W1	W1						Snow Last Night Snow fields the Day by 2 Inches
28	29.00	29.03	29.03	29.05	49	56	56	54	26	38	46	43	36¼	10	10	5	0	S W1	S W1	S2	S E2			S1	S E1						Rain in the forenoon Cloudy in the Afternoon
29	29.00	29.00	29.00	29.05	46	58	58	48	38	42	46	44	42½	2	4	0	2	S E1	S W2	S W2	S W2	S E1	S W2	S W1	S W2						A Cloudy cold Day
30	29.20	29.30	29.25	29.25	40	52	60	56	28	34	40	36	34½	5	10	8	10	N1	NW1	W2	W2	NW1	[illegible]	W1							Variable through the Day
31	29.35	29.43	29.35	29.30	38	48	57	54	19	28	40	37	31	10	8	7	10	W1	W1	W1	W1		S E1	W1							A Fair Day
									1279	1401	1692	1564																			Snow 2 Inches
Monthly Mean									41.26	48.16	54.58	50.47	46.58																	2.3 Inch	
																														2.5	
																														0.2375	
																														2.2625	

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Station Columbus State of Ohio in the State Library

FORM Nº 3. By Thomas Hennesy State Librarian

METEOROLOGICAL REGISTER

Latitude 39 Degrees 57 Minutes North Longitude W.2.4 Degrees from Washington City or 23 from Lewis Cl. at Bur. Alt. 1.8 Ft. The Atlantic Ocean 870 Ft. Above Lake Erie 206 feet

1843 November	Barometer. Sun rise.	9 A.M.	3 P.M.	9 P.M.	Thermometer attached. Sun rise.	9 A.M.	3 P.M.	9 P.M.	Thermometer detached. In the shade and open air. Sun rise.	9 A.M.	3 P.M.	9 P.M.	Daily Mean.	Clearness of the Sky. Sun rise.	9 A.M.	3 P.M.	9 P.M.	Wind. Its force and course from. Sun rise.	9 A.M.	3 P.M.	9 P.M.	Clouds. Their velocity and course from. Sun rise.	9 A.M.	3 P.M.	9 P.M.	Wet Bulb. Sun rise.	3 P.M.	Rain. Begun.	Ended.	Quantity.	Remarks
1	29.10	29.12	29.05	29.05	43	46	51	51	35	40	37	37	37½	0	0	0	0	S1	S1	S1	S1	S1	S1	S1	S1						
2	29.00	29.00	29.00	29.05	45	44	57	57	36	40	47	42	41½	0	2	2	7	SW2	SW4	W4	W3	SW2	SW3	W3	W2			10 A.M.			A Rainy Day
3	29.20	29.10	29.20	29.20	39	51	60	58	25	30	38	34	31½	10	10	8	8	NW1	NW1	NW1	NW1			NW1	NW1				Last night	½ Inch	Variable through the Day
4	29.10	29.05	29.00	29.05	42	46	50	50	29	35	32	32	32	0	0	0	0	N1	N1	C1	C1	N1	N1	C2	C1						A Fair Day
5	29.30	29.32	29.35	29.35	39	44	47	43	25	34	38	33	32½	0	0	4	5	C1	C1	N1	N1	C1	C1	N1	N1						A Cloudy Day Depth of Snow 3 Inches
6	29.30	29.32	29.20	29.20	34	40	50	50	19	30	37	35	32½	5	2	0	0	N1	N1	C1	C1	N1	N1	C1	C1						Variable Through the Day
7	29.10	29.15	29.18	29.18	39	48	52	52	32	38	38	37	36½	0	0	0	0	NW1	NW2	W1	W1	NW1	NW1	W1	W1						A Cloudy Day
8	29.20	29.25	29.20	29.18	39	56	63	60	32	38	44	41	38½	0	8	6	5	W1	W1	W1	W1	W1	W1	W1	W1						Same
9	29.00	29.00	28.85	28.83	43	48	54	54	30	36	36	33	36½	0	2	0	0	S1	S1	S1	S1	S1	S1	S1	S1						Variable through the Day
10	28.85	28.90	28.93	28.93	49	56	59	59	45	49	49	48	47½	0	0	0	0	W1	W1	N1	N1	W1	W1	N1	N1			12 M.			Cloudy Day with Rain in the Afternoon
11	28.60	28.75	29.00	29.00	52	54	60	58	43	42	44	40	42½	0	0	3	3	N2	N4	W3	W3	N4	N4	W3	W3				Last night	½ Inch	A Cloudy Day with the appearance of Rain
12	29.25	29.30	29.25	29.22	43	48	50	47	26	30	38	33	31¾	10	10	5	10	W1	NW3	W2	W1			W2			Last night	8 A.M.	1 Inch		Rain in the morning and a Cloudy Day
13	29.25	29.05	29.10	29.14	39	45	60	57	32	34	42	37	36½	0	5	5	10	W1	W2	W3	NW1	W1	W2	W2							Fair the greater part of the Day
14	29.20	29.25	29.19	29.15	40	46	56	53	22	30	42	38	33	3	3	3	0	N2	N1	SE1	C1	N1	N1	NW1	W1						Cloudy in the morning Fair in the Afternoon
15	29.00	29.10	28.93	28.93	45	49	55	56	40	40	44	44	42	0	0	0	0	S1	S1	S1	S1	S1	S1	S1	S1						Variable through the Day
16	29.00	29.00	29.03	29.07	52	64	68	64	48	56	56	54	53½	0	0	0	0	S1	S1	S1	S1	S1	S1	S1	S1			7 A.M.			A Rainy Day but the Rain near mostly and light
17	28.95	28.92	28.79	28.80	58	60	66	67	54	56	62	59	57½	0	0	2	8	SE1	SE1	S3	W2	SE1	SE1	S3	W2				Last night	½ Inch	A Cloudy Day
18	29.00	29.08	29.10	29.10	56	63	69	66	42	45	50	46	45¾	10	6	9	10	W1	W3	W1	W1		W3	W1			Last night	4 P.M.	3/4 Inch		A Rainy Day
19	29.25	29.25	29.20	29.20	52	52	56	52	40	41	44	40	41½	0	0	8	8	NW1	NW1	W1	SW1	NW1	NW1	W1	SW1						A Fair Day
20	29.10	29.06	28.99	28.84	45	47	54	55	33	36	40	40	37½	0	0	0	0	C1	SE1	SE1	SE1	C1	SE1	SE1	SE1						Cloudy the greater part of the Day
21	28.69	28.70	28.78	28.80	50	52	63	59	40	44	47	43	43½	0	5	6	8	W2	W1	W1	W1	W2	W3	W3	W1			12 M.			Cloudy in the forenoon Rain in the Afternoon
22	28.92	29.00	29.01	29.00	46	54	65	60	33	37	48	44	40½	10	10	10	10	W2	W1	W1	W1							6 A.M.	½ Inch		Variable through the Day
23	28.85	28.85	28.75	28.72	49	54	62	64	42	49	62	52	53	0	0	0	0	S1	S1	S1	S1	S1	S1	S1	S1						A Fair Day
24	28.72	28.79	28.90	28.94	60	62	62	64	53	50	46	43	48	0	0	0	2	W1	NW2	NW2	NW1	W1	NW1	NW1	NW1			3 P.M.	5 P.M.	½ Inch	A Cloudy Day
25	29.15	29.20	29.20	29.20	48	53	56	55	26	30	41	37	33½	5	10	0	0	NW1	NW1	NW1	NW1	NW1		NW1	NW1						A Cloudy Day
26	29.10	29.10	29.05	29.05	44	44	46	46	33	36	42	40	37½	0	0	0	0	NW1	NW1	N1	N1	NW1	NW1	N1	N1						Frost in the morning Cloudy in the Afternoon
27	29.10	29.15	29.16	29.16	42	46	53	48	32	34	34	30	32½	5	3	5	10	N1	N1	NE2	NE1	N1	N1	NW2							A Cloudy Day
28	29.11	29.14	29.00	29.00	38	42	50	50	24	29	39	37	32	5	2	0	0	C1	C1	C1	C1	W1	W1	W1	W1						Same
29	28.95	28.79	28.90	29.05	43	56	54	60	35	36	38	36	36¼	0	0	0	0	W1	N1	SW1	W1	W1	N1	NW1	W1						Same
30	29.15	29.20	29.21	29.19	44	47	54	60	34	37	38	36	36¼	0	2	0	0	NW1	SW1	NW1	NW1	NW1	NW1	NW1	NW1			6 A.M.	¼ Inch		Same
31																															Same
Monthly Mean									1038 / 34.60	1167 / 3873	1290 / 4300	1212 / 4040	3913																3.3 Inches / .30875		Snow 3 Inches

Every person into whose hands this form shall fall is requested to keep a journal of the winds and weather, even if he has no Barometer or Thermometer, and forward it monthly to the "Surgeon General U.S., Army," Washington, D.C. with the endorsement "Meteorology" on the corner of the envelope. The wet-bulb is ascertained by putting a thin wet rag round the bulb of the thermometer and swinging it in the shade till it falls as low as it will in the open air. The force of the wind is estimated in numbers 0 being a calm, 1 a very gentle breeze, 2 a gentle breeze, 3 a fresh breeze, 4 a strong wind, 5 a very strong wind, 6 a violent storm &c. The numbers are put just after the course thus, if the wind for example is from the S.W. strong it will be set down S.W.4. The clouds will be marked in the same way, if for example they have a very gentle motion from the West they will be marked W.1. The clearness of the sky will also be marked in numbers, 0 representing entire cloudiness, 1 a slight degree of clearness and so on till 10 entire clearness. The Dew-point is the highest temperature at which the vapour in the open air will condense on a bright metallic or thin glass tumbler of water cooled down by ice, or pulverized muriate of ammonia and nitrate of potash in equal quantities. The dew-point when it is not very low, may also be obtained nearly, by dividing 103 times the difference between the temperature of the air and the wet-bulb temperature, by the wet-bulb temperature, and subtracting the quotient from the temperature of the air, the remainder will be the dew-point. The higher the dew-point, the more vapor there is in the air.

FORM No. 3. By Thomas Kennedy State Librarian

METEOROLOGICAL REGISTER.

Station Columbus State of Ohio in the State Library — Latitude 39 Degrees 57 Minutes North, Longitude West 6 Degrees from Washington City or 83 Degrees from London — Height of Bar above The Atlantic Ocean 870 feet — Above Lake Erie 306 feet

1843	Barometer.				Thermometer attached.				Thermometer detached. in the shade and open air					Clearness of the Sky.				Wind. Its force and course from				Clouds. Their velocity and course from.				Wet Bulb.		Rain			Remarks
December	Sun rise.	9 A.M.	3 P.M.	9 P.M.	Sun rise.	9 A.M.	3 P.M.	9 P.M.	Sun rise.	9 A.M.	3 P.M.	9 P.M.	Daily Mean.	Sun rise.	9 A.M.	3 P.M.	9 P.M.	Sun rise.	9 A.M.	3 P.M.	9 P.M.	Sun rise.	9 A.M.	3 P.M.	9 P.M.	Sun rise.	3 P.M.	Began.	Ended.	Quantity.	
1	29.10	29.09	29.08	29.04	45	47	54	59	34	37	38	33	38½	0	1	0	3	NE1	NE1	N1	N1	SW1	SW1	N1	N1						A Cloudy Day
2	29.00	29.01	28.98	29.05	44	48	52	62	30	32	34	31	31¾	0	0	0	0	N1	N1	N1	N1	N1	N1	N1	N1						Same
3	29.02	29.12	29.11	29.09	42	49	57	52	30	31	40	34	33¼	0	10	10	10	N1	W1	SW1	SW1	N1									Fair the most of the Day
4	28.99	29.00	28.94	29.03	43	49	56	69	31	37	44	37	37¼	7	9	0	5	SW1	SW1	W3	W3	SW1	SW1	W3	W3						Cloudy the most of the Day
5	29.19	29.25	29.26	29.25	41	48	54	64	19	22	29	22	23½	5	8	8	10	W1	NW3	NW2	NW2	W1	NW3	NW2							Variable through the Day
6	29.18	29.05	28.99	28.99	38	43	52	54	28	27	33	31	28½	3	0	0	0	SE1	SE1	S1	S1	SE1	SE1	S1	S1						A Cloudy Day Snow at 6 o'clock P.M. & continues
7	28.87	28.83	28.85	28.97	42	48	52	60	31	32	36	32	32¼	0	0	0	0	S1	S1	W2	W1	S1	S1	W2	W1						A Cloudy Day Snow fell last Night 3 Inches
8	28.90	28.90	28.80	28.83	42	48	58	68	24	28	42	39	33½	0	3	0	0	S1	S2	SW1	SW2	S1	W1	SW1	SW2						A Cloudy Day
9	28.88	28.92	28.92	29.02	44	50	54	62	28	27	32	31	29½	3	4	0	0	W2	W2	W2	W1	W2	W2	W1	W1						Same
10	29.10	29.13	29.05	28.98	40	44	56	52	12	27	38	34	29½	2	0	10	10	W1	W1	S1	S	W1	W1								Cloudy in the Forenoon Fair in the Afternoon
11	28.94	28.88	28.92	28.99	47	54	64	76	42	44	44	36	41½	0	0	10	10	SW1	W3	W1	NW1	SW1	W3					4 A.M.	9 A.M.	6 Inches	Same Same
12	29.05	29.14	29.32	29.48	47	52	68	72	30	29	29	22	27½	0	0	5	10	NW3	NW3	N3	NW1	NW3	NW3	N3							Variable through the Day Snow this morning ½ Inch deep
13	29.50	29.52	29.44	29.37	42	44	57	58	13	18	31	26	22	10	10	10	11	N1	SW1	S1	S1										A Fair Day but very cold
14	29.50	29.32	29.29	29.30	39	46	56	76	27	32	42	40	35¼	10	5	0	0	S1	S1	SW1	SW1		S1	SW1	SW1						Variable through the Day
15	29.25	29.24	29.19	29.15	49	54	62	77	41	44	50	49	46	0	0	0	0	S1	S1	S1	S1	S1	S1	S1	S1						A Cloudy damp Day
16	29.13	29.04	28.99	28.99	57	60	66	84	49	50	56	54	52½	0	0	0	0	S1	S1	S1	S1	S1	S1	S1	S						Light mist the most of the Day
17	28.99	29.03	29.00	29.08	56	58	60	58	41	42	43	40	41½	0	0	0	0	W1	W1	W1	W1	W1	W1	W1	W1			Last	Night	[illegible]	A Cloudy Day
18	29.05	29.10	29.18	29.16	50	54	60	74	36	38	42	38	38½	0	0	0	0	W1	W1	SW1	SW1	W1	W1	SW1	SW1						Same
19	29.13	29.15	29.11	29.17	50	54	58	72	36	38	43	34	37¼	0	0	0	10	SW1	SW1	S1	S1	SW1	SW1	S1							Same But it Cleared of since Dark
20	29.20	29.24	29.25	29.28	48	50	60	68	34	36	44	34	37	0	0	0	10	SW1	SW1	SW1	SW1	SW1	SW1	SW1							Same Same
21	29.13	29.12	29.09	29.05	46	51	57	72	32	33	39	39	35¼	0	0	0	0	SW1	SW1	SW1	SW1	SW1	SW1	SW1	SW1			6 P.M.			Fog in the morning and a Cloudy Day
22	28.20	28.79	28.92	28.98	50	56	60	68	40	42	44	42	42	0	0	0	0	NE1	NE1	NE1	N1	NE1	NE1	NE1	N1				6 P.M.	1½ Inches	A Raing Day
23	28.85	28.90	28.94	28.99	50	54	60	70	39	38	42	40	39¾	0	0	0	0	W1	W1	W1	W1	W1	W1	W1	W1						A Cloudy Day
24	28.95	28.93	28.92	28.92	50	51	63	68	36	37	46	38	42	0	0	8	10	W1	W1	W1	W1	W1	W1	W1							Cloudy in the Forenoon Fair in the Afternoon
25	28.95	28.99	28.99	28.98	49	56	64	78	33	38	52	44	41¾	5	4	3	10	W1	SW1	S1	S1	W1	W1	W1							Variable through the Day but it Cleared of since dark
26	28.80	28.80	28.75	28.85	54	57	65	79	36	45	48	46	43¾	0	0	0	0	S1	S1	S1	SW1	S1	S1	S1	SW1						A Damp misty Day
27	29.05	29.05	29.00	28.98	55	58	60	72	40	41	42	38	40¼	0	0	0	0	NW1	NW1	W1	W1	NW1	NW1	W1	W1			Last	Night	½ Inch	A Cloudy Day
28	28.85	28.85	28.85	28.98	50	54	57	71	35	34	39	36	36	0	0	0	0	W2	W2	W2	W2	W2	W2	W2	W2						Cloudy Day with some Snow flying
29	29.00	29.03	29.05	29.08	46	48	56	66	32	32	36	32	33	0	0	3	0	NW2	NW2	W2	W1	NW2	NW2	W2	W1						A Cloudy Day
30	29.00	29.12	29.08	29.12	44	51	60	62	22	28	38	31	29¾	10	10	3	5	W1	W1	NW1	NW1			NW1	NW1						Fair in the Forenoon Cloudy in the Afternoon
31	29.12	29.15	29.17	29.17	45	50	61	55	30	30	41	33	33½	5	8	2	5	NW1	NW1	NW1	N1	NW1	NW1	NW1	N1						Variable through the Day
									992	1068	1287	1116																	1½ Inch	Snow 3½ Inches
Monthly Mean									32.00	34.45	40.55	36.00	35.67																	1.75	

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