Climatological Data for April, 1910.

DISTRICT No. 5, UPPER MISSISSIPPI VALLEY.

GEORGE M. CHAPPEL, District Editor.

TEMPERATURE.

The first half of April, like the whole of March, was dry and generally warm, but the latter half was very changeable, giving marked fluctuations of temperature, and in the northern half of the district heavy snowfall attended by blizzardy conditions.

Mild temperature characterized the weather in North Dakota and the maximum temperatures on the 27th were without parallel during April in any of the preceding years of record. There were 11 stations within this district that recorded 90° or more, the highest being 96° at Amenia. The lowest temperature recorded was 9° at McKinney, on the 23d, making a range of 87° in 4 days.

The month was much warmer than usual in Minnesota; the excess in temperature being general and ranged from 2° to 8°, the least departures occurring in Polk, and the greatest in southern Itasca County. The mean temperature ranged from about 52° in the central Minnesota Valley to about 42° along the shore of western Lake Superior. Unusually warm periods occurred on the 9th and 10th and on the 27th and 28th. On the last date a maximum of 95° was recorded at Winnebago and Lynd No. 2, which is the highest temperature ever recorded in the State during the month of April. Cold periods occurred on the 16th and 17th and from the 22d to the 25th, with severe freezing temperatures, greatly damaging vegetation, which had prematurely advanced during the warm weather of March and the first half of April.

In Wisconsin, the mild pleasant weather which prevailed during the month of March continued during the first half of April, but the latter half of April was very changeable. The mean temperature for the month was 4.4° above the normal, but the month seemed cooler than March. The temperature was generally above the freezing point until the 15th, when a change to cooler occurred, and on the 17th the temperatures were from 5° to 10° below freezing. Another and colder period occurred on the 22d and 24th, when the minimum temperatures were generally 10° to 12° below freezing, and at some stations were down to 20° below freezing. Following this last cold period the temperature rose rapidly, and the last 2 days of the month were exceedingly warm, the maximum temperature being 93° on the 29th at La Crosse. The high temperature during the last 2 days generally exceeded all previous records for the time of the year, and the minimum temperatures between the 22d and 24th were the lowest ever observed so late in April at most stations.

In Iowa, the mean temperature was 3.8° above the normal notwithstanding the fact that abnormally cold weather prevailed most of the time between the 15th and the 26th. A cold spell set in on the evening of the 14th, attended by moderate showers, changing to snow on the 15th, which continued over the larger part of the section until the 18th. The minimum temperatures on the 16th, 17th, and 18th were from 3° to 12° below the freezing point, and the amounts of snowfall ranged from a trace in the southern to over 5 inches at some of the stations in the northeastern counties. The freezing temperatures materially lessened the prospects of a fruit crop, as apple, cherry, and other fruit trees were in full bloom in the northern part of the State by the 10th of the month. The damage done, however, was small as compared with the damage resulting from the freeze of the 23d–24th, when the minimum temperatures were 10° to 12° below the freezing point in the southern counties. The maximum temperature on the 23d was below the freezing point in the northeastern counties and the minimum on that date was lower than ever before recorded during the last decade of April at many stations. The ground froze hard on the mornings of the 23d and 24th, and ice formed from one-half to 1 inch thick in tubs of standing water. Following this last cold period the temperature rose rapidly and the 28th and 29th were excessively warm, the maximum temperatures on those dates being 90° or higher over the western part of the section, and the maximum on the 28th was higher than ever before recorded during April over the western half of the State.

Although the mean temperature for that part of Missouri, within the Mississippi watershed, differed but little from the April normal, the month was unusual in both warm and cold periods. With the exception of the 5th and 6th, the mean temperature was almost continuously above the normal during the first 2 weeks. The first marked cold spell occurred on the 16th and continued over the 19th, with freezing temperatures on the 17th and 18th. Cool weather prevailed until the 23d when a decidedly cold, wet period set in which continued until the 26th. On the morning of the 24th minimum temperatures of 23° to 25° occurred, greatly damaging all vegetation. This unusually cold spell was followed by a phenomenally hot one, which began on the 27th and continued to the close of the month; the day temperatures on the 29th exceeded 90°, surpassing records of former years for the last decade of April. From the 16th to the 26th, inclusive, there was a large deficiency of temperature, but the first 15 and the last 5 days gave a marked excess, resulting in a monthly mean slightly above the normal.

In Indiana the first half of the month was unusually warm and very similar in character to the latter half of the preceding month. Cool weather set in about the middle of the month, and continued until the closing days, when a brief warm spell culminated in the highest temperatures for the month on the 29th. The cold was extraordinarily severe on the 23d and 24th, temperatures as low as 24° being general in this section of the State.

In Illinois the mean monthly temperature was 53.1°, or 1.9° above the normal. The highest monthly mean was 57.6° at Chester, and the lowest, 49.8° at Sycamore. The highest temperature reported was 92° at La Harpe on the 29th, and the lowest, 12° at Oregon, on the 24th. The unseasonably warm weather obtaining in March continued until April 15, when a sharp decline occurred, culminating in a freeze on the 23d and 24th, attended by a snowstorm, and resulting in the nearest complete destruction to fruits, gardens, and shade trees in the history of the Service.

The monthly mean temperature for the district, as shown by the records of 292 stations, was 50.5°, which is 3.8° above the normal. The highest monthly mean was 57.6° at Chester, Ill., and the lowest, 42.6° at Grafton, N. Dak. The highest temperature recorded was 97° at Webster City, Iowa, on the 29th, and the lowest, 9° at McKinney, N. Dak., on the 23d.

PRECIPITATION.

The precipitation was generally below the normal, but an excess occurred in portions of Minnesota, Wisconsin, eastern Iowa, Illinois, and Indiana. In that portion of North Dakota within this district, the precipitation was nearly normal and it was quite evenly distributed geographically. The heaviest occurred in the northeastern portion of the State, in the upper Red River Valley. A considerable portion of this precipitation resulted from heavy snows, stations in that vicinity reporting from 18 to 19.5 inches. Pembina reported both the largest amount of precipitation and the largest amount of snowfall, the former being 3.41 and the latter 19.5 inches. The month opened with fair weather, which continued until the close of the 12th, except scattered showers on the 3d and 4th. From the 13th to the 18th, inclusive, precipitation, a considerable portion of which was in the form of snow, occurred in quite generous

amounts. Fair weather generally prevailed from the 19th to the 28th, inclusive, and showers occurred on the last 2 days. The average number of days with .01 inch or more of precipitation was 5.

In Minnesota the precipitation ranged from a little more than one-half inch in Ramsey, Hennepin, Dakota, and Rice counties to more than 4.00 inches in southeastern Douglas County. There was an excess of precipitation in most of the western and northern counties, and a deficiency in the eastern and southern counties. The deficiency from Hennepin and Ramsey counties southward to the Iowa line was about 2 inches. Most of the monthly precipitation occurred from the 14th to the 18th, but there was quite general precipitation on the 4th and 22d. On the 16th and 17th there was a general and heavy fall of snow. The average monthly snowfall was 4.5 inches.

In Wisconsin the precipitation was abundant and well distributed in the central and eastern portions, but was light in the northwestern section. In the Wisconsin Valley the precipitation was about twice the normal amount. This was very favorable for the water-power companies located along that river, as at the beginning of the month the river was very low. In the northwestern section the total fall was generally less than one-half the normal amount and rain is badly needed in that portion of the State. During the night of the 22-23d a severe blizzard set in and continued throughout the 23d, the total snowfall ranging from 4 to 8 inches or more, except in the extreme northwestern portion of the section. This heavy fall of snow exceeded all previous records for the month. The storm interrupted traffic to a considerable extent.

The average precipitation for Iowa was 1.35 inch below the normal and was unevenly distributed; the eastern third of the State receiving the largest amounts while a few localities in the north-central counties received less than one-fourth of an inch. Much of the precipitation was in the form of snow or snow mixed with rain during the storms of the 15-18th and 22d-24th.

In Missouri the total precipitation, as a rule, was below the normal. The wet periods were from the 2d to the 6th, 14th to the 18th, and 23d to the 26th. On the 16th and 17th and during the last period, especially on the 24th and 25th, much snow fell. In the northern part snow remained on the ground for several hours, ranging in depth from 1 to over 4 inches.

In Indiana the early part of the month was comparatively dry and very favorable for the advancement of all outdoor work. Showers occurred from the 3d to the 6th and on the 11th and 12th, but were mostly light in character. From the 15th to the end of the month, rain or snow fell every day except on the 20th, 21st, 28th, and 29th, the amounts being sufficiently heavy to retard the progress of farm and other outdoor work, and combined with the prevailing cold weather, greatly hindered the growth of vegetation. During this period snow fell to a considerable depth. In some localities it amounted to 4 inches or more, the greatest amount reported being 7.3 inches, but it remained on the ground only a short time.

The average precipitation for Illinois was 3.47 inches, or .22 inch above the normal. The greatest monthly amount, 6.78 inches, occurred at Cairo, which was the greatest at that station for April in 39 years with 2 exceptions; the least monthly amount 1.87 inch, occurred at St. Peter. The greatest amount in any 24 consecutive hours was 2.03 inches at Cairo on the 15-16th. The average snowfall was 4.0 inches, ranging from a trace to 11.3 inches. The average number of rainy days was 13; clear days, 12; partly cloudy, 6; cloudy, 12. Bright sunshine 54 per cent, or about 4 per cent below the normal for April.

The average precipitation for the District, as shown by the records of 303 stations, was 2.31 inches, which is 0.32 inch below the normal. The greatest amount, 6.78 inches occurred at Cairo, Ill., and the least, 0.10 inch at Webster City, Iowa. The greatest amount in 24 hours, 2.73 inches, occurred at Gorin, Mo., on the 5th. The average depth of unmelted snowfall was 4.6 inches; the greatest depth was 19.5 inches at Pembina, N. Dak., and none occurred at McKinney and Pratt, N. Dak.

SUNSHINE AND CLOUDINESS.

The average number of clear days was 13; partly cloudy, 7; and cloudy, 10. The duration of sunshine was about normal.

WIND.

Northwest winds prevailed. The highest velocity reported was 54 miles per hour from the southwest on the 14th, at Cairo, Ill.

MISCELLANEOUS.

The warm, dry weather during March and the first half of April enabled farmers to finish their spring seeding and the preparation of the ground for corn planting at a much earlier date than usual. It also forced the growth of vegetation to an unusual degree; trees were in full foliage nearly to the northern part of the district by the middle of April, and all fruit trees were in full blossom as far north as central Minnesota and Wisconsin. Considerable corn and potatoes were planted during the second week of the month in all parts of Iowa and Illinois, and spring sown grain was up over the middle and southern sections before the severe freezing temperatures which spread over the district between the 15th and 18th, and which resulted so disastrously to the fruits and early garden truck. Much of the fruit that escaped the freeze and some of the later varieties which came into bloom the following week were frozen during the cold spell between the 23d-25th. Not only the blossoms on fruit trees were killed, but the foliage and new growth on all trees were frozen and had fallen off by the end of the month, leaving the trees almost as bare as in late autumn.

Mr. John West James, cooperative observer at Riley, Ill., writes:

> At the end of the winter there was practically no frost in the ground; the unusually warm weather the last week in March, and the unprecedented high mean temperature for so early in the spring, brought the earliest fruit bloom on record. Some damage was done by frost on April 17 and 18; then on the night of April 23 the temperature fell to 16°, the lowest on record so late in the spring for 50 years, destroying not only the fruit bloom but also the leaves of pear, ash, maple, black walnut, and oak trees, and nearly destroyed lilac bloom. I never before saw such wholesale destruction by frost so late in the spring. Since warmer weather came on, I have seen what looks like fresh bloom on some hardy apple trees, but whether we will have a few apples, or the crop is utterly destroyed, can not be told at this time.

The Secretary of the Iowa State Horticultural Society, in his monthly report showing the condition of fruit on May 1, says:

> The average for May is only 9 per cent of a full crop. This is the lowest percentage ever estimated for May 1, on the condition of the crops in this State. The bloom on trees was three weeks in advance of normal; two weeks earlier than any record we have since the society was organized.

The heavy snow over the northern half of the district afforded protection to small grain, and although grain was in many localities frozen to the ground, no material damage was done except to check its growth.

A small tornado struck the northwestern portion of the city of Des Moines at 11:15 p. m., April 3, doing considerable damage to several dwellings and small out buildings. The storm struck and unroofed the residence of E. A. Paul, No. 4106 Kingman Boulevard, then passed north of east, diagonally across the street where it unroofed the residence of Charles Barchaus, No. 4003 Kingman Boulevard. The storm track was very narrow as buildings on the adjacent lots at either side of Mr. Paul's house were not injured, and the path of destructive violence was only about 400 feet long. There was, however, some slight damage done to trees and a few small outbuildings on the north side of the main track of the storm. It was preceded by the typical roar of a tornado and was attended by terrific thunder and vivid lightning. No one was injured and the damage done was estimated to be less than $5,000.

The Section Director at Springfield, Ill., reports:

> On Friday, April 15, between 3 and 4 o'clock, p. m., a thunderstorm of destructive violence passed over Madison, Macoupin, and Montgomery

counties. The storm came from the southwest. Its path of destruction was about one-half a mile wide and its most notable characteristic was the enormous hailstones that fell at Hillsboro and vicinity. Much property was destroyed by high winds, and the damage by hail at Hillsboro was extensive.

The St. Louis, Mo., and Hillsboro, Ill., newspapers claim that many of the hailstones which fell at Hillsboro were as large as a goose egg, and substantiate the statement by the reproduction of photographs showing many of the larger stones.

The stages of all the rivers in the district were below the normal for the season of the year.

DRAINAGE AND ENGINEERING NOTES.

The party making the survey of the Des Moines River, from Keokuk to Des Moines, Iowa, in charge of Mr. A. O Rowse, United States Army Engineer, have run a transit line and levels as a base for the complete survey, a distance of 120 miles, during the month of April. This part of the work will be completed about May 7, after which topographical and hydrographical work will be taken up.

A drainage survey of the Des Moines River will be made during the coming summer by the Drainage Investigation Service of the United States Department of Agriculture, from Humboldt, Iowa, to the north State line. Mr. O. G. Baxter, Drainage Engineer of the Department, will be in charge of the party to make the survey and the work will begin about May 12.

Mr. George D. Dobson, engineer for the Iowa State Drainage, Waterways and Conservation Commission, is making an investigation of the Boone River, from Webster City, Iowa, to the Des Moines River. to determine the possibilities of developing water power, and also of preventing excessive floods by means of storage reservoirs. This stream has been selected by the Commission as typical of the Iowa streams, and it is hoped by the study of this river to point out to the next legislature the value of similar investigation of all the principal rivers in the State.

The Local Forecaster at Milwaukee, Wis., reports that the water-power question is attracting a great deal of attention in that State and that considerable development work is being done. A company located at Wausau is expending $300,000 in building and maintaining storage reservoirs in the upper waters of the Wisconsin River. Power plants are also being constructed, or have recently been constructed, on the lower Wisconsin River, the Chippewa River, the Flambeau River, and others.

TABLE 1.—*Climatological data for April, 1910. District No. 5, Upper Mississippi Valley.*

Stations.	Counties.	Elevation, feet.	Length of record, yrs.	Temperature, in degrees Fahrenheit.							Precipitation, in inches.				Number of rainy days, .01 inch or more.	Sky.			Prevailing wind direction.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmelted.		Number of clear days.	Number of partly cloudy days.	Number of cloudy days.		
North Dakota.																				
Amenia	Cass	954	12	46.6	+ 4.8	96	27	12	17	53	1.46	− 0.67	0.56	.....	3	16	6	8	nw.	C. E. Wood.
Bottineau	Bottineau	1,638	14	45.8	+ 6.7	86	26	15	23	53	1.34	+ 0.86	0.38	.....	5	15	5	10	se.	J. A. Kemp.
Cando	Towner	1,488	8	46.6	+ 7.9	85	27	13	16	65	1.02	+ 0.42	0.32	.....	4	17	6	7	n.	E. T. Judd.
Crosby	Williams	.....	3	48.0	.....	90	20	16	22	47	1.38	.....	0.48	T.	5	23	1	6	nw.	H. C. Kaschau.
Devils Lake	Ramsey	1,482	4	44.7	+ 6.5	84	27	14	16	50	1.22	− 0.81	0.60	3.5	5	13	10	7	n.	U. S. Weather Bureau.
Donnybrook	Ward	1,760	10	45.5[l]	.....	91[l]	20	14[m]	16	56[m]	0.75	.....	0.75	.....	1	.....	.....	.....	nw.	C. J. De Vore.
Dunseith	Rolette	.....	12	46.8	+ 6.7	86	26	13	23	55	0.99	+ 0.34	0.35	.....	5	21	5	4	n.	L. H. Trowbridge.
Edmore	Ramsey	1,524	4	48.1	.....	90	27	12	16	48	1.26	.....	0.46	3.0	5	16	11	3	n.	H. R. Aslakson.
Forman	Sargent	1,249	15	51.6	+ 8.5	89	27	18	16†	49	1.38	− 0.97	0.71	6.7	2	16	6	8	nw	A. Maltby.
Grafton	Walsh	827	12	42.6	+ 3.4	84	24	12	1†	51	1.90	+ 0.42	1.00	18.0	3	10	14	6	n.	H. La Moure.
Granville	McHenry	1,504	3	48.0	.....	90	26†	15	16	55	1.49	.....	0.62	0.5	5	16	7	7	nw.	W. A. Christiansen.
Hannah	Cavalier	1,568	4	43.8	.....	83	26	9	23	45	1.40	.....	0.57	3.0	5	15	5	10	nw.	J. Moffatt.
Hansboro	Towner	.....	2	43.6	.....	77	25†	12	23	48	1.54	.....	0.65	1.2	8	18	2	10	nw.	Geo. Dale.
Hillsboro	Traill	901	4	47.8	.....	83	27	16	16	44	2.09	.....	0.76	.....	7	19	5	6	n.	M. H. Norman.
Lakota	Nelson	1,519	3	43.8	.....	82	13†	13	16	48	2.29	.....	0.66	8.0	7	15	10	5	nw.	C. R. Pettes.
Langdon	Cavalier	1,615	14	43.5	.....	85	26	12	16	51	1.60	.....	0.97	.....	5	18	0	12	w.	J. Woolner.
Larimore	Grand Forks	1,134	14	42.8	+ 2.9	82	13†	14	16	53	1.31	− 0.15	0.28	3.9	6	7	16	7	n.	S. R. Britton.
Lisbon	Ransom	1,091	5	47.2	.....	90	27	17	16	54	1.38	.....	0.60	12.2	5	16	6	8	nw.	H. K. Adams.
McKinney	Ward	1,640	15	47.0	+ 6.6	91	20†	9	23	59	1.00	+ 0.13	0.54	0.0	4	11	13	6	nw.	N. P. Swenson.
Manfred	Wells	1,605	8	47.6	.....	90	27	13	23	50	1.05	.....	0.65	1.5	4	18	5	7	nw.	P. B. Anderson.
Mayville	Traill	975	14	48.7	+ 5.7	81	26	11	15	40	1.91	+ 0.19	0.80	8.0	4	23	4	3	nw.	M. N. Pope
Minot	Ward	1,557	11	49.2	+ 7.8	91	27	18	23	59	1.88	+ 0.49	0.89	.....	7	22	2	6	n.	J. J. Bates.
Minto	Walsh	820	16	46.0[a]	+ 5.5	85	26	15[a]	16	47[a]	1.33	− 0.33	0.60	.....	6	9	13	8	s.	S. S. Marsh.
Oriska	Barnes	1,270	4	50.5[c]	.....	91[c]	27	15[c]	18	49[c]	0.55	.....	0.30	.....	3	.....	.....	.....	nw.	W. E. Williams.
Park River	Walsh	998	6	4.55	.....	86	26	15	16	59	1.06	.....	0.52	.....	5	15	11	4	nw.	A. Heyward.
Pembina	Pembina	789	11	4.32	+ 4.8	79	28	12	16	44	3.41	+ 2.19	1.10	19.5	9	14	6	10	nw.	C. W. Shumaker.
Portal	Ward	1,954	15	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	M. S. Davis.
Power	Richland	1,020	17	45.6	+ 3.8	91	27	13	16†	53	1.80	− 0.04	1.00	5.0	5	17	7	6	nw.	J. A. Power.
Pratt	McHenry	.....	5	47.3	.....	91	26	15	23	57	1.66	.....	0.95	0.0	4	19	5	6	nw.	C. H. Butts.
University	Grand Forks	830	18	46.4[a]	+ 4.8	83	26	16[a]	16	46[a]	0.48	− 1.76	0.28	2.0	3	.....	.....	.....	ne.	W. R. Holgate.
Wahpeton	Richland	962	18	45.8	+ 1.1	88	27	14	16	52	1.63	− 0.66	0.75	6.0	2	15	1	14	nw.	E. G. Burch.
Walhalla	Pembina	966	5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	C. H. Lee.
Westhope	Bottineau	.....	3	46.8	.....	85	20†	15	16	55	1.77	.....	0.77	.....	5	21	0	9	nw.	J. D. Currie.
Willow City	....do	1,471	16	48.2[a]	+ 8.3	88	26	12[a]	22	55[a]	1.25	+ 0.39	0.85	T.	3	16	7	7	nw.	M. A. Ostby.
Minnesota.																				
Albert Lea	Freeborn	1,229	20	53.0	+ 7.8	94	28	21	17	49	0.70	− 1.89	0.20	7.0	4	13	12	5	nw.	Edward Carey.
Alexandria	Douglas	1,391	16	46.8	+ 5.8	85	27	15	16	43	3.03	+ 0.87	1.70	5.1	6	13	5	12	nw.	P. O. Unumb.
Angus	Polk	870	8	44.9	.....	82	13	18	23	47	0.98	.....	0.31	3.0	5	14	9	7	n.	John Nadvornik.
Bagley	Clearwater	.....	4	45.2	.....	81	10	16	19	51	2.23	.....	0.91	3.5	6	14	10	6	nw.	Jens Nelson.
Baudette	Beltrami	1,084	1	45.0	.....	79	13	11	22	46	1.78	.....	0.56	2.0	5	16	6	8	ne.	Frans W. Schmidt.
Beardsley	Bigstone	1,090	17	.....	.....	.....	.....	.....	.....	.....	1.93[a]	− 0.35	0.97[a]	5.0[a]	5[a]	15[a]	7[a]	7[a]	nw.	Roy A. Smith.
Beaulieu	Mahnomen	1,200	8	46.4[a]	.....	84[a]	10†	16[a]	16	46[a]	1.86	.....	0.70	4.0	7	16	5	9	nw.	Dr. L. A. Parkinson.
Bird Island	Renville	1,039	20	50.0	+ 5.4	89	28	20	16	48	1.00	− 1.22	0.57	5.0	4	15	6	9	nw.	Dr. F. L. Puffer.
Caledonia	Houston	1,179	17	49.7	+ 4.2	87	29	20	24	40	2.26	− 0.95	0.50	11.0	8	14	4	12	ne.	W. D. Belden.
Campbell	Wilkin	984	....	45.6	.....	89	27	16	17	52	2.07	.....	0.61	7.0	6	19	1	10	nw.	J. T. Neisess.
Cass Lake	Cass	1,300	4	.....	.....	.....	.....	.....	.....	.....	2.15	.....	0.60	5.0	6	.....	.....	.....	.....	C. W. Burns.
Collegeville	Stearns	1,282	17	50.2	+ 5.7	86	27	20	16	50	1.64	− 0.40	0.47	3.0	8	17	4	9	nw.	Fridolin Tembreul.
Crookston	Polk	863	20	44.1	+ 2.4	81	10	16	16	43	2.18	+ 0.31	0.85	T.	7	16	5	9	s.	A. G. Andersen.
Detroit	Becker	1,364	14	43.8	+ 4.6	86	27	15	16†	49	2.23	+ 0.55	0.70	2.0	6	19	2	9	nw.	George W. Peoples.
Fairmont (near)	Martin	1,240	23	50.2	+ 5.3	86	28	21	17	35	0.65	− 2.21	0.30	5.0	4	14	11	5	nw.	W. F. Wherland.
Faribault	Rice	1,003	13	48.8	+ 4.3	88	28	18	23	42	0.58	− 1.11	0.19	4.9	7	14	9	7	nw.	Dr. A. R. T. Wylie.
Farmington	Dakota	902	22	51.0	+ 6.2	89	28	19	23	49	0.55	− 2.00	0.20	3.0	5	12	5	13	s.	D. F. Akin.
Fergus Falls	Ottertail	1,210	18	48.6	+ 5.7	86	27	16	16	42	2.14	+ 0.08	1.24	7.3	6	17	6	7	nw.	Chas. E. Kissenger.
Fort Ripley	Crow Wing	1,136	4	47.4	.....	86	27	20	16†	48	1.64	− 0.91	1.18	3.5	5	16	4	10	n.	J. J. Tucker.
Foston	Polk	1,289	1	44.4	.....	81	10†	11	16	52	1.58	.....	0.57	3.0	7	16	6	8	n.	O. N. Hem.
Glencoe	McLeod	1,000	14	51.5	+ 6.9	87	28	21	17	48	1.36	− 0.70	0.65	5.5	4	16	10	4	nw.	C. G. Selvig.
Grand Meadow	Mower	1,338	23	50.6	+ 6.4	89	28†	17	23	41	0.43	− 2.00	0.13	4.5	7	6	14	10	n.	C. F. Greening.
Hallock	Kittson	815	11	44.4	+ 4.4	84	13	15	16	47	1.88	+ 0.86	0.75	6.0	6	20	2	8	n.	D. A. Robertson.
Halstad	Norman	870	4	44.7	.....	83	10†	16	16	54	1.25	.....	0.38	.....	7	22	1	7	nw.	Aaron G. Holstrom.
Hinckley	Pine	1,050	5	48.8	.....	82	9	18	23	43	0.52	.....	0.41	3.0	2	5	18	7	s.	W. R. Newman.
International Falls	Koochiching	1,112	2	45.6	.....	77	13	16	23	47	2.38	.....	1.13	4.0	7	17	9	4	ne.	Rees Roe.
Kelliher	Beltrami	.....	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	A. Gilmour.
Lake Crystal	Blue Earth	.....	3	51.0	.....	89	28	22	17	38	0.32	.....	0.24	.....	2	15	7	8	nw.	W. P. Cobb.
Leech Lake Dam	Cass	1,301	22	45.4	+ 5.9	79	10	19	23	46	2.22	+ 0.76	0.55	2.8	7	5	17	8	se.	Hans Olson.
Little Falls	Morrison	1,117	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Maurice Coleman.
Little Fork	Koochiching	.....	.....	.....	.....	78	3†	.....	.....	.....	2.73	.....	1.34	.....	7	14	9	7	.....	O. C. Olson.
Long Prairie	Todd	1,299	18	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	R. M. Sheets.
Lynd (2)	Lyon	1,175	18	50.2	+ 5.7	95	28	19	17	46	1.69	− 1.25	1.01	3.5	4	18	3	9	nw.	J. W. Rouse.
Mankato	Blue Earth	747	11	.....	.....	.....	.....	.....	.....	.....	0.68	− 1.60	0.42	7.0	3	15	7	8	sw.	Sadie H. Blake.
Mapleplain	Hennepin	1,023	18	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	G. W. Richards.
Milaca	Millelacs	1,072	13	47.4[e]	.....	84[e]	27	21[e]	16†	43[e]	.....	.....	.....	.....	.....	8[e]	10[e]	7[e]	se.	C. H. Foss.
Milan	Chippewa	955	16	49.4	+ 4.4	89	27	18	16	44	2.30	+ 0.25	0.76	4.0	7	5	18	7	nw.	O. K. Opjorden.
Minneapolis	Hennepin	918	19	50.6	+ 4.8	85	27	19	23	43	0.64	− 1.80	0.31	4.9	7	14	6	10	n.	U. S. Weather Bureau.
Montevideo	Chippewa	900	20	50.6	+ 5.4	92	28	18	16	46	2.75	+ 0.25	1.30	6.0	5	14	12	4	nw.	Lloyd G. Moyer.
Moorhead	Clay	935	29	46.5	+ 5.1	92	27	16	16	52	1.92	− 0.41	1.00	7.7	6	17	6	7	nw.	U. S. Weather Bureau.
Mora	Kanabec	.....	5	48.2	.....	82	10	17	23	46	0.71	.....	0.40	4.2	6	18	8	4	s.	Hans Peterson.
Morris	Stevens	1,170	25	47.8	+ 3.7	89	27	17	16	42	2.33	− 0.13	1.27	8.0	4	21	1	8	s.	D. T. Wheaton.
New London	Kandiyohi	1,215	16	46.5	+ 3.4	88	27	14	16	54	2.06	− 0.35	0.98	4.0	3	15	15	0	se.	Harold Swenson.
New Richland	Waseca	1,180	16	51.2	+ 5.2	89	28	22	17	43	1.09	.....	0.45	4.0	5	14	11	5	nw.	N. O. Tyrholm.
New Ulm	Brown	791	30	51.5	+ 5.9	93	28	23	16†	43	1.05	− 0.81	0.45	5.2	4	15	3	12	s.	Andrew J. Eckstein.
Osakis	Douglas	1,343	3	48.2	.....	85	27	17	16	47	4.06	.....	2.54	5.2	7	17	7	6	sw.	J. B. Johnson.
Park Rapids	Hubbard	1,426	20	46.2	+ 6.6	87	27	18	16	48	2.79	+ 0.48	1.02	7.2	6	14	4	12	se.	Dr. P. A. Walling.
Pine River Dam	Crow Wing	1,251	23	47.6	+ 7.3	78	3	18	23	48	1.98	− 0.35	0.85	T.	4	15	7	8	n.	Neil McKay.
Pokegama Falls	Itasca	1,380	23	46.0	+ 7.5	76	11†	15	23	48	1.49	− 0.59	0.59	0.5	8	15	8	7	se.	Arthur L. Mampel.
Red Lake	Beltrami	1,152	2	45.4	.....	79	13	19	22	44	2.51	.....	1.24	2.0	5	9	13	8	n.	A. C. Goddard.
Red Wing	Goodhue	680	14	.....	.....	.....	.....	.....	.....	.....	0.86	− 1.97	0.36	6.0	6	13	4	13	nw.	Louis Bach.
Redwood Falls	Redwood	1,050	3	52.2	.....	94	28	21	16†	43	1.03	− 1.26	0.50	5.0	3	17	7	6	nw.	N. B. Anderson.
Reeds Landing	Wabasha	681	15	.....	.....	.....	.....	.....	.....	.....	0.72	− 1.24	0.24	4.0	7	14	2	14	nw.	John Deschneau.
Rochester	Olmsted	991	6	49.1	.....	88	28	18	17	48	0.77	.....	0.34	3.0	4	10	8	12	s.	S. R. Case.
Roseau	Roseau	1,040	3	45.0	.....	80	13	15	22	43	2.27	.....	0.61	.....	8	22	3	5	nw.	A. Waag.
St. Charles	Winona	850	19	49.4	+ 4.5	91	28	16	17	45	0.84	− 1.87	0.33	5.0	8	16	5	9	se.	S. W. Gleason.
St. Cloud	Sherburne	1,020	32	50.4	+ 6.6	86	27	19	16	50	1.52	− 0.89	0.70	2.3	6	15	6	9	nw.	Jos. H. Capser.
St. Paul	Ramsey	837	39	51.0	+ 5.3	86	27	20	23	41	0.59	− 1.74	0.26	4.5	5	13	10	7	ne.	U. S. Weather Bureau.
St. Peter	Nicollet	825	17	52.5	+ 6.3	92	28	23	17	47	0.73	− 1.21	0.25	5.5	4	16	8	6	nw.	Chas. C. Cavanaugh.
Sandy Lake Dam	Aitkin	1,234	17	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	U. S. Engineer Corps.
State Sanatorium	Cass	.....	3	47.8	.....	81	10†	20	22	40	2.90	.....	1.24	4.5	5	17	2	11	ne.	Walter J. Marcley.
Stillwater	Washington	694	5	.....	.....	.....	.....	.....	.....	.....	0.58	.....	0.26	4.4	4	12	7	11	sw.	Oscar Ostrom.

TABLE 1.—*Climatological data for April, 1910. District No. 5*—Continued.

Stations.	Counties.	Elevation, feet.	Length of record, yrs.	Temperature, in degrees Fahrenheit. Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Precipitation, in inches. Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmelted.	Number of rainy days, .01 inch or more.	Sky. Number of clear days.	Number of partly cloudy days.	Number of cloudy days.	Prevailing wind direction.	Observers.
Minnesota—Cont'd.																				
Taylors Falls	Chisago	759	3	51.7	.....	82	27	20	23	43	0.71	.....	0.29	5.7	4	13	12	5	s.	Mpls. Gen. Elec. Co.
Warroad	Roseau	1,069	1	43.5	.....	77	13	15	22	43	1.51	.....	0.40	.....	6	19	0	11	n.	John H. Sawyer.
West Concord	Dodge	1,232	1	50.2	.....	87	28	18	23	41	1.60	.....	0.50	11.0	6	11	10	9	nw.	H. H. Orcutt.
Willow River	Pine	1,046	12	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	J. A. Brandt.
Windom	Cottonwood	1,336	4	51.4	.....	94	28	20	17†	46	0.77	.....	0.30	3.0	4	14	9	7	n.	Taber C. Richmond.
Winnebago	Faribault	1,100	11	52.4[a]	+ 7.4	95[a]	28	22	17	43[a]	0.69	− 1.40	0.25	6.0	5	13	7	10	nw.	H. H. Haight.
Winnibigoshish	Itasca	1,300	22	47.4	+ 8.3	79	10	18	23	41	2.10	+ 0.30	0.88	4.5	7	19	5	6	se.	John Duncan.
Winona	Winona	700	15	53.5	+ 7.1	91	28	21	17†	45	1.20	− 1.52	0.28	7.0	9	12	9	9	nw.	Perry C. Myers.
Worthington	Nobles	979	15	48.2	+ 3.3	85	28	17	24	46	0.88	− 1.44	0.65	4.0	4	16	6	8	n.	W. I. Carpenter
Zumbrota	Goodhue	917	15	50.2[d]	+ 4.7	88[b]	28	22[d]	17	44[d]	0.40[b]	.....	0.30[b]	3.0[b]	2[b]	14[b]	9[b]	5[b]	nw.	W. C. Rowell.
South Dakota.																				
Milbank	Grant	1,148	18	47.4	+ 3.5	89	27	16	19	48	2.12	0.00	0.96	3.2	6	19	1	10	nw.	I. T. Patridge.
Wisconsin.																				
Antigo	Langlade	1,489	16	47.0	+ 3.9	73	15	23	12	39	.....	.....	.....	.....	.....	14	5	11	se.	Elton C. Larzelere.
Barron	Barron	1,115	18	46.8	+ 4.3	80	29	18	23	44	0.90	− 1.26	0.60	9.0	3	16	10	4	n.	Wm. A. Kent.
Beloit	Rock	750	23	.....	.....	81	29	19	24	.....	3.64	+ 0.93	0.50	4.0	11	23	1	6	s.	Smith Observatory.
Brodhead	Green	812	12	51.0	+ 3.7	86	29	16	24	45	4.07	+ 1.34	0.80	10.5	13	15	9	6	nw.	Hecktore D. Kirkpatrick.
Burnett	Dodge	880	6	48.2	.....	79	29	19	24	37	3.48	.....	0.66	12.0	13	13	5	12	nw.	Geo. W. Smith.
Delavan	Walworth	920	17	49.7	+ 3.4	84	29	15	24	39	3.24	+ 0.58	0.67	6.0	15	11	5	14	s.	Elwood S. Austin.
Dodgeville	Iowa	1,116	11	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Geo. W. Butler
Downing	Dunn	983	8	47.9[g]	.....	82[g]	29†	18	23	49[g]	0.80	.....	0.40	8.0	3	7	4	19	w.	Eugene F. Stoddard.
Eau Claire	Eau Claire	800	19	51.5	+ 5.7	87	29	20	23†	43	1.29	− 1.18	0.40	8.4	7	13	9	8	n.	Robert D. Whitford
Ellsworth	Pierce	1,068	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Henry G. Wood.
Glidden	Ashland	1,519	18	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	George Sell.
Grand Rapids	Wood	1,021	11	47.9	+ 3.4	82	29	20	23†	42	4.14	+ 1.89	0.65	3.8	12	11	7	12	ne.	Willis B. Raymond.
Grantsburg	Burnett	1,095	19	48.8	+ 5.6	83	10	15	23	49	0.75	− 1.81	0.33	9.0	3	10	10	10	ne.	Theodore Olsen.
Hancock	Waushara	1,091	18	49.8	+ 5.0	84	29	20	23	43	4.67	+ 2.39	1.30	4.0	11	11	7	12	nw.	Frederick B. Hamilton.
Hatfield	Jackson	973	15	50.9	+ 3.3	87	29	19	23	43	3.85	+ 1.35	0.90	8.0	11	14	5	11	s.	Walter S. Woods.
Hayward	Sawyer	1,197	19	47.6	+ 5.5	77	10	16	23	42	1.10	− 0.77	0.60	6.5	3	8	11	11	n.	William E. Swain.
Hillsboro	Vernon	1,000	19	48.6	+ 3.8	86	29	17	23	45	4.39	+ 1.60	0.97	8.0	9	13	8	9	sw.	Emil V. Wernick.
Koepenick	Langlade	1,683	20	44.4	+ 3.1	70	14†	16	12	43	4.23	+ 1.61	1.05	15.0	9	.....	.....	.....	n.	Edward S. Koepenick.
La Crosse	La Crosse	714	38	51.0	+ 3.7	93	29	20	23	42	2.23	− 0.06	0.63	12.4	11	9	8	13	nw.	U. S. Weather Bureau.
Lake Mills	Jefferson	897	19	48.2	+ 2.2	82	29	15	24	42	3.99	+ 1.35	1.10	12.6	14	9	9	12	n.	S. Newton Dexter Smith
Lancaster	Grant	1,070	20	51.3	+ 4.5	86	29	19	23	37	4.12	+ 1.38	1.50	6.5	10	16	5	9	nw.	Edward Pollock.
Long Lake	Oneida	1,592	2	44.5	.....	74	15†	11	12	49	2.02	.....	0.66	5.0	11	14	8	8	n.	Louie Frank.
Madison	Dane	974	32	49.0	+ 4.5	83	29	19	23	35	4.56	+ 2.18	1.18	8.4	15	10	9	11	s.	U. S. Weather Bureau.
Mather	Juneau	962	6	48.2	.....	86	29	19	24	43	4.01	.....	0.85	11.0	10	9	9	12	c.	Frank Evans.
Mauston	....do	882	14	51.1	+ 5.9	87	29	19	23	46	4.69	+ 2.71	1.35	4.0	10	11	7	12	nw.	Eugene L. Hitchcock.
Meadow Valley	....do	974	19	49.8	+ 4.6	86	29	20	23	46	3.68	+ 1.34	1.40	7.0	9	6	16	8	sc.	Charles H. Johnson.
Medford	Taylor	1,420	19	47.6	+ 5.2	76	27	18	22	41	4.45	+ 2.24	.....	2.0	7	20	2	8	n.	William Zeit.
Merrill	Lincoln	1,267	4	46.6	.....	78	28	20	23†	43	3.90	.....	1.12	8.0	9	17	6	7	n.	Frank M. McElroy.
Minocqua	Vilas	1,604	6	45.8	.....	78	29	18	23	45	1.35	.....	0.60	2.0	5	14	6	10	n.	Benjamin W. Applebee.
Mondovi	Buffalo	738	2	51.2	.....	85	29	19	23	45	1.10	.....	0.30	6.5	9	9	14	7	nw.	Dr. Charles Hebard.
Mount Horeb	Dane	1,226	6	49.6	.....	83	29	16	24	42	5.89	.....	1.25	7.5	15	14	6	10	s.	W. M. Lewis.
Muscoda	Grant	666	1	50.9	.....	89	29	22	24	50	4.92	.....	1.64	3.9	11	11	6	13	ne.	Henry Eckstein.
Neillsville	Clark	996	21	51.3	+ 6.9	88	8	20	23†	49	4.10	+ 1.63	1.88	10.0	9	14	0	16	nw.	William Heaslett.
New Richmond	St. Croix	990	5	50.8	.....	88	9	17	23	53	1.41	.....	0.80	10.5	4	15	10	5	nw.	Franc A. R. Van Meter.
Osceola	Polk	806	19	49.7	+ 6.1	86	27	19	23	52	0.69	− 1.56	0.33	5.5	4	19	8	3	e.	Charles W. Staples.
Portage	Columbia	809	14	50.8	+ 4.0	85	29	19	23	39	5.01	+ 2.46	1.70	7.0	11	14	5	11	ne.	James Clear.
Prairie du Chien	Crawford	690	23	51.3	+ 2.6	92	29	21	24	43	3.34	+ 0.99	1.18	3.5	10	11	4	15	s.	Jas. A. Gillis.
Prentice	Price	1,551	12	44.3	+ 2.4	70	9†	12	23	42	1.87	0.00	0.54	2.5	7	11	7	12	s.	Joseph G. Lash.
Rhinelander	Oneida	1,550	4	46.8	.....	74	29	20	23†	40	2.82	.....	1.00	4.5	10	10	12	8	se.	John Lind.
Sauk City	Sauk	758	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Kilien Derleth.
Shullsburg	Lafayette	1,019	4	49.3	.....	83	29	15	24	40	5.16	.....	0.93	10.5	11	12	5	13	s.	Harrison B. Chamberlin.
Solon Springs	Douglas	1,083	4	44.8	.....	76	4†	17	23	47	1.10	.....	0.50	5.0	3	16	4	10	n.	John M. Sayles.
Spooner	Washburn	1,104	15	45.7	+ 2.9	79	10	17	23	45	0.82	− 1.73	0.50	6.0	4	20	6	4	n.	Horace A. Bresee.
Stanley	Chippewa	1,082	6	50.6	.....	82	29	18	23	39	1.53	.....	0.35	9.0	7	16	6	8	nw.	W. Humphrey Scott.
Stevens Point	Portage	1,113	17	48.7	+ 3.7	79	29	21	23	41	4.82	+ 2.49	2.00	5.0	9	11	3	16	se.	Garry E. Culver.
Valley Junction	Monroe	930	18	50.2	+ 5.2	87	29	21	23	42	5.31	+ 2.67	1.63	5.0	12	8	11	11	sw.	Frederick Muermann.
Viroqua	Vernon	1,412	19	51.7	+ 6.1	87	29	18	23	39	2.90	+ 0.21	1.10	5.0	11	12	8	10	se.	Henry E. Rogers.
Vudesare	Vilas	1,600	2	44.7	.....	74	14	19	23†	45	2.36	.....	0.90	6.0	5	17	6	7	n.	Louis L. Thomas.
Watertown	Jefferson	824	19	49.8	+ 4.6	82	29	18	24†	39	3.97	+ 1.39	1.20	15.7	15	11	8	11	se.	Charles J. Salick.
Waukesha	Waukesha	864	14	49.4	+ 3.5	83	29	19	24	38	3.91	+ 1.56	0.95	9.0	11	9	15	6	c.	Carroll College.
Wausau	Marathon	1,212	17	50.3	+ 7.4	73	30	24	23	37	3.88	+ 1.32	0.95	3.0	11	15	8	7	n.	George H. Halder.
Weyerhaeuser	Rusk	1,297	3	47.3	.....	80	29	18	23	47	1.14	.....	0.65	10.0	7	9	14	7	se.	Miss Etta Stiles.
Whitehall	Trempealeau	675	18	51.6	+ 5.0	87	29†	19	23	47	1.19	− 1.18	0.80	11.0	3	19	5	6	w.	Henry A. Towner.
Iowa.																				
Albia§	Monroe	959	12	50.8	+ 1.2	89	29	21	24	37	2.02	− 0.81	0.90	2.0	11	14	5	11	sw.	J. I. Chenoweth.
Algona§	Kossuth	1,213	36	52.2	+ 6.0	95	28	21	17	45	0.29	− 2.19	0.09	5.0	4	15	8	7	n.	Dr. F. T. Seeley.
Alta	Buena Vista	1,513	19	51.2	+ 4.5	95	28	19	17	47	1.05	− 1.98	0.35	4.5	6	14	11	5	n.	David E. Hadden.
Amana	Iowa	721	34	52.3	+ 3.7	88	29	23	24	36	2.62	− 0.29	1.15	3.4	13	14	7	9	nw.	C. Schadt.
Ames	Story	926	34	53.6	+ 4.5	95	29	20	17	50	0.50	− 2.17	0.20	1.0	4	11	10	9	s.	Iowa State College.
Baxter§	Jasper	998	10	52.8	+ 4.0	92	29	19	17	39	2.25	− 0.62	1.49	2.5	13	13	9	8	sw.	W. R. Vandike.
Belleplaine	Benton	828	20	52.2	+ 3.3	90	29	22	24	43	1.69	− 1.62	0.60	8.0	8	15	5	10	w.	S. P. Van Dike.
Belmond	Wright	.....	.....	51.6	.....	93	28†	21	17	44	1.04	.....	0.61	3.0	8	5	18	7	w.	Geo. P. Hardwick.
Bloomfield§	Davis	.....	3	53.3[b]	.....	91[b]	29	20[b]	23	41[b]	2.69	.....	1.12	.....	8	11	10	9	.....	C. R. Davis.
Bonaparte§	Van Buren	.....	19	52.5	+ 2.3	89	29	23	24	37	3.09	− 0.26	1.32	4.1	14	.....	.....	.....	.....	B. R. Vale.
Boone	Boone	1,134	5	52.2	.....	93	29	20	17	42	0.84	.....	0.43	1.0	7	14	6	10	.....	Carl Fritz Henning.
Britt§	Hancock	1,236	13	51.3	+ 5.6	92	28	20	17	45	0.91	− 1.30	0.75	1.7	5	15	6	9	s.	L. M. Goodman.
Buckingham	Tama	.....	10	.....	.....	.....	.....	.....	.....	.....	1.75	− 0.32	1.06	T.	4	14	8	8	.....	W. A. Daniel.
Burlington	Des Miones	544	14	52.4	+ 0.9	90	29	22	24	37	4.86	+ 1.70	1.28	10.5	10	17	0	13	sw.	Max E. Poppe, jr.
Carroll	Carroll	1,265	20	50.2	+ 2.1	94	27	20	16†	49	0.20	− 3.00	0.10	1.0	2	12	9	9	nw.	Mrs. Jos. J. Wolfe.
Cedar Rapids	Linn	733	28	51.4	+ 1.7	90	29	24	24	38	2.51	− 0.23	1.40	2.0	9	17	2	11	w.	W. J. Greene.
Charles City	Floyd	1,015	19	50.2	+ 3.9	92	29	22	17	42	0.88	− 1.95	0.23	1.6	9	8	9	13	n.	U. S. Weather Bureau.
Clear Lake§	Cerro Gordo	1,241	12	52.3	+ 5.3	84	27†	22	17	41	0.20	− 1.44	0.10	2.0	2	19	3	8	nw.	Oscar Stevens
Clinton	Clinton	593	43	52.6	+ 4.0	90	29	22	24	40	3.55	+ 0.54	0.75	2.5	11	12	5	13	nw.	Luke Roberts.
Columbus Junction§	Louisa	595	9	53.8	.....	88	29	23	23†	36	3.04	− 0.26	1.00	4.5	10	16	5	9	nw.	J. B. Johnston.
Davenport	Scott	580	39	52.0	+ 1.8	87	29	22	23	34	3.69	+ 0.81	1.28	0.6	16	13	6	11	nw.	U. S. Weather Bureau.
Decorah	Winneshiek	875	17	51.3	+ 3.6	93	29	20	17†	42	2.56	+ 0.06	0.70	4.5	8	.....	.....	.....	.....	F. H. Baker.
Delaware	Delaware	1,083	19	52.0	+ 6.2	86	29	21	24	40	2.96	+ 0.18	0.90	4.4	11	15	4	11	sw.	William Ball.
Des Moines	Polk	861	32	53.2	+ 2.6	92	29	22	17	38	1.13	− 1.85	0.30	0.7	10	8	8	14	n.	U. S. Weather Bureau.
De Soto§	Dallas	866	10	53.6	+ 3.9	94	29	21	17	48	1.62	− 1.16	1.32	0.5	5	13	5	12	nw.	R. D. Minard.
Dubuque	Dubuque	639	37	51.4	+ 2.5	87	29	22	23	35	3.40	+ 0.48	1.40	7.6	14	11	6	13	s.	U. S. Weather Buerau.
Earlham	Madison	.....	8	53.0	.....	91	29	24	17	44	2.23	− 1.43	1.68	3.0	8	14	7	9	nw.	George Phillips.
Elkader	Clayton	727	31	51.5	+ 3.5	92	29	21	23	46	3.16	+ 0.47	1.20	7.0	9	17	4	9	ne.	Chas. Reinecke.
Elma	Howard	.....	1	50.2	.....	91	29	20	17	43	1.61	.....	0.42	.....	12	14	7	9	nw.	H. A. Moore.
Estherville	Emmet	1,298	15	51.0	+ 4.7	93	28	20	17	45	0.95	− 1.26	0.33	4.5	4	17	0	13	nw.	A. O. Peterson.

TABLE 1—*Climatological data for April, 1910. District No. 5*—Continued.

Stations.	Counties.	Elevation, feet.	Length of record, yrs.	Temperature, in degrees Fahrenheit. Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Precipitation, in inches. Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmelted.	Number of rainy days, .01 inch or more.	Sky. Number of clear days.	Number of partly cloudy days.	Number of cloudy days.	Prevailing wind direction.	Observers.
Iowa—Cont'd.																				
Fairfield	Jefferson	.....	26	52.2[a]	+ 2.4	86	29	19[a]	23	35[a]	3.18	− 0.30	1.07	2.1	16	14	7	9	nw.	R. Monroe McKenzie.
Fayette§	Fayette	1,003	20	50.7	+ 4.2	93	29	20	17†	43	3.03	+ 0.01	.....	8.3	10	15	5	10	nw.	R. Z. Latimer.
Forest City§	Winnebago	1,226	16	51.5	+ 5.0	94	28	19	17	50	0.15	− 2.22	0.15	1.0	1	15	8	7	w.	J. A. Peters.
Fort Dodge	Webster	1,126	10	52.0	+ 4.6	95	28	21	24	49	0.35	− 2.82	0.10	2.0	4	17	0	13	n.	J. F. Monk.
Fort Madison	Lee	516	61	.....	.....	.....	.....	.....	.....	.....	3.19	+ 0.01	0.98	6.0	7	7	5	18	sw.	Miss L. A. McCready.
Gilman	Marshall	1,052	11	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	J. L. Wylie.
Grand Meadow	Clayton	1,180	19	51.3	+ 4.5	89	29	20	17†	37	2.91	− 0.06	1.00	8.2	11	12	8	10	nw.	F. L. Williams.
Greene	Butler	.....	12	53.1	+ 5.0	95	29	22	17	44	0.84	− 1.39	0.37	3.5	5	5	13	12	s.	J. L. Cole.
Grinnell	Poweshiek	1,023	18	56.0	+ 5.7	92	29	28	17	36	2.75	− 0.63	0.90	1.2	9	13	10	7	w.	D. W. Brainard
Grundy Center§	Grundy	976	19	52.8	+ 5.4	95	29	20	17	50	1.85	.....	1.25	1.5	5	13	6	11	nw.	J. B. Calderwood.
Guthrie Center§	Guthrie	1,077	15	53.7	+ 4.4	93	28	22	17	49	0.81	− 1.93	0.30	1.5	6	15	10	5	nw.	D. G. Beardsley.
Hampton	Franklin	1,155	20	52.6	+ 5.3	93	28†	20	17	41	0.93	− 2.35	0.38	3.2	5	12	7	11	nw.	E. C. Grenelle.
Humboldt	Humboldt	1,095	22	53.4	+ 5.1	96	28	22	17	48	0.38	− 2.23	0.12	2.0	5	17	7	6	nw.	Henry S. Wells.
Independence§	Buchanan	921	46	51.9	+ 2.5	88	29	20	17	41	1.47	− 0.91	0.69	3.0	5	16	2	12	nw.	George Donohoe.
Indianola	Warren	969	19	54.1[b]	+ 3.4	91[a]	29	23[a]	17	37[a]	0.56	− 2.84	0.28	0.6	8	3	12	15	nw.	John L. Tilton.
Iowa City	Johnson	683	50	50.0	+ 1.5	88	29	22	18	39	2.56	− 0.58	1.16	.....	11	15	3	12	se.	A. G. Smith.
Iowa Falls	Hardin	1,170	17	50.0	+ 3.3	93	29	19	17	48	1.72	− 1.16	0.62	2.0	7	15	3	12	nw.	J. B. Parmelee.
Jefferson§	Greene	.....	11	53.8	.....	95	28†	26	23	48	0.37	− 2.23	0.25	1.2	4	15	6	9	s.	G. W. Jackson.
Keokuk	Lee	547	39	54.4	+ 2.4	90	29	23	24	34	2.91	− 0.43	1.25	T.	12	10	10	10	nw.	U. S. Weather Bureau.
Keosauqua	Van Buren	644	18	51.4	− 0.2	89	29	24	24	42	3.25	− 0.44	1.83	7.8	10	6	11	13	.....	J. H. Landes.
Knoxville§	Marion	920	15	54.7	+ 3.5	90	29	24	17	39	0.85	− 2.40	0.24	1.8	9	12	6	12	sw.	Casey & Belville.
Lacona	Warren	.....	11	.....	.....	.....	.....	.....	.....	.....	1.95	− 1.01	0.54	4.0	10	7	19	4	.....	J. B. Alter.
Le Claire	Scott	576	10	.....	.....	.....	.....	.....	.....	.....	2.51	+ 0.14	0.50	4.7	11	.....	.....	.....	.....	Miss M. T. Disney.
Marshalltown	Marshall	947	18	50.8	+ 2.0	94	29	20	17	49	1.89	− 1.01	0.61	.....	10	17	3	10	nw.	Ralph B. Reasoner.
Mason City§	Cerro Gordo	1,132	13	51.0	+ 3.3	91	28	20	17	43	0.31	− 2.34	0.14	1.4	5	16	5	9	nw.	J. S. Mills.
Mount Pleasant§	Henry	729	29	53.0	+ 1.9	88	29	23	24	31	3.03	− 0.18	1.42	5.6	14	12	7	11	sw.	J. W. Edwards.
Muscatine	Muscatine	.....	50	.....	.....	.....	.....	.....	.....	.....	2.40	− 1.01	0.90	3.0	8	.....	.....	.....	.....	William Molis
New Hampton§	Chickasaw	1,169	13	51.4	+ 4.5	90	29	19	17	40	1.64	− 0.31	0.51	5.0	7	16	5	9	s.	A. F. Kemman.
Newton§	Jasper	944	22	54.6	+ 6.2	92	29	23	17	38	1.12	− 2.21	0.45	0.2	6	13	10	7	s.	J. P. Beatty.
Northwood§	Worth	1,222	14	50.9[i]	+ 4.4	90[b]	28	21[b]	17	39[i]	0.98	− 1.18	0.50	8.5	7	15	8	7	nw.	Chas. H. Dwelle.
Olin§	Jones	760	12	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	C. M. Miles.
Osage	Mitchell	1,184	23	54.4	+ 9.0	91	28†	20	17	40	0.35	− 2.10	0.25	4.5	2	14	8	8	nw.	A. D. Bundy.
Oskaloosa§	Mahaska	843	34	53.2	+ 3.2	89	29	23	24	39	2.49	− 0.24	0.90	4.5	13	15	1	14	nw.	Joseph Boyd.
Ottumwa	Wapello	649	15	55.0	+ 3.0	92	29	24	24	40	2.52	− 0.63	1.16	1.2	12	7	8	15	s.	W. J. Mesmer.
Pella	Marion	877	8	53.2	.....	93	29	24	24	44	1.27	− 1.25	0.80	2.8	9	18	4	8	nw.	John H. Ver Steeg.
Perry§	Dallas	975	9	53.8	.....	93	28†	21	17	43	0.61	− 2.32	0.20	2.0	5	11	13	6	.....	J. A. Harvey.
Plover	Pocahontas	1,426	14	51.6	+ 5.0	96	28	20	17	51	0.22	− 1.88	0.10	2.0	4	20	8	2	nw.	J. S. Smith.
Pocahontas§	....do	1,248	6	51.6	.....	94	28	22	17	44	0.23	.....	0.11	1.6	3	15	8	7	s.	F. E. Hronek.
Ridgeway§	Winneshiek	1,215	12	52.2	+ 4.6	92	29	20	17†	41	3.52	+ 1.18	0.71	11.0	11	15	8	7	s.	Arthur Betts.
Rockwell City§	Calhoun	.....	14	50.0	+ 3.0	96	28	21	17†	54	1.02	− 1.74	0.50	9.0	6	19	2	9	.....	C. M. Randall.
Sac City	Sac	1,278	34	52.2[a]	+ 4.5	95[a]	28	21[a]	17	44[a]	0.52	− 2.54	0.20	2.0	4	.....	.....	.....	sw.	E. N. Baily.
St. Charles§	Madison	1,070	9	55.0	.....	92	29	22	17	40	0.60	− 2.92	0.20	1.6	7	15	8	7	nw.	R. D. Minard.
Sigourney§	Keokuk	877	14	53.4	+ 2.2	88	29	22	24	38	3.30	+ 0.13	1.00	0.5	12	3	21	6	nw.	J. T. Parker.
Stockport§	Van Buren	.....	8	51.8	.....	90	29	22	24	38	3.05	− 0.07	1.19	8.0	11	11	5	14	s.	C. L. Beswick.
Storm Lake	Buena Vista	1,440	21	50.6[e]	+ 5.2	90[e]	28	20[e]	24	45[e]	0.55	− 1.79	0.34	5.0	5	16	9	5	.....	S. B. Fracker.
Stuart	Guthrie	1,216	11	53.8	+ 6.4	91	28†	26	23	45	1.41	− 1.75	0.50	0.5	5	13	8	9	nw.	J. P. Fox.
Tipton§	Cedar	807	11	54.0	+ 5.1	87	29	25	23†	34	2.51	− 0.73	1.28	.....	10	16	4	10	s.	F. K. Gregg.
Toledo§	Tama	856	16	53.0	+ 3.4	89	29†	21	17	39	2.12	− 0.69	0.50	.....	10	19	5	6	nw.	I. F. Giger.
Wapello§	Louisa	588	12	53.2	+ 1.8	89	29	25	24	34	2.07	− 0.52	0.78	1.5	9	13	7	10	nw.	G. W. Schofield.
Washington	Washington	769	28	52.5	+ 2.0	89	29	22	24	36	3.11	+ 0.45	0.93	.....	13	12	6	12	sw.	Wm. A. Cook.
Waterloo	Black Hawk	862	27	51.8	+ 4.8	92	29	24	17	41	2.17	− 0.16	0.73	5.0	11	16	3	11	nw.	M. L. Newton.
Waukee	Dallas	1,039	7	52.2	.....	92	28†	20	17	43	1.31	− 1.89	0.91	0.6	12	12	13	5	nw.	Samuel F. Foft.
Waverly§	Bremer	948	14	52.2	+ 5.2	92	29	23	17†	38	2.00	− 0.69	0.92	2.8	10	10	12	8	.....	H. S. Hoover.
Webster City§	Hamilton	.....	5	53.4	.....	97	29	19	17	50	0.10	.....	0.10	1.0	1	11	13	6	nw.	C. D. Carpenter.
West Bend§	Palo Alto	1,197	17	53.3	+ 7.0	93	28	24	16†	36	0.35	− 2.37	0.18	3.0	4	11	10	9	.....	Joseph Dorweiler.
Whitten§	Hardin	1,036	13	52.4	+ 5.0	93	29	17	17	40	1.32	− 0.82	1.00	2.0	4	15	10	5	sw.	F. P. Butler.
Winterset§	Madison	1,129	19	53.8	+ 3.4	93	28	23	17	42	0.79	− 2.93	0.21	1.5	6	7	11	12	n.	Robert S. Cooper.
Zearing	Story	.....	6	52.6	.....	94	29	18	17	50	0.47	.....	0.28	0.5	7	3	21	6	nw.	Orley Reese.
Missouri.																				
Gorin	Scotland	700	24	.....	.....	.....	.....	.....	.....	.....	3.72	− 0.57	2.73	1.0	10	11	4	15	nw.	J. W. Pulliam.
Hannibal	Marion	534	18	53.3	− 0.3	92	29	24	24	35	2.60	−0.65	0.84	2.0	14	8	10	12	sw.	U. S. Weather Bureau.
Louisiana	Pike	500	32	53.4	0.0	93	29	23	24	44	2.82	− 0.19	0.41	1.4	13	9	10	11	nw.	J. T. Farrell.
Mexico	Audrain	797	32	53.0	− 1.4	92	29	25	24†	43	3.29	− 0.20	0.75	4.5	15	17	0	13	s.	J. F. Llewellyn.
Steffenville	Lewis	576	17	54.0	+ 1.5	90	29	22	25	36	5.04	+ 1.56	1.20	1.7	13	10	11	9	nw.	Lewis Spriggs.
Sublett	Adair	1,000	30	52.8	+ 1.2	89	29	24	24	39	2.55	− 0.99	2.00	1.0	5	7	9	14	sw.	Frank Hall.
Warrenton	Warren	865	20	53.7	+ 1.3	92	29	25	24	41	3.21	− 1.62	0.58	2.0	14	7	8	15	s.	Dr. J. H. Frick.
Indiana.																				
Collegeville	Jasper	.....	11	52.4	+ 3.6	90	29	24	24	43	2.98	− 0.52	1.20	T.	12	3	11	16	se.	Prof. L. C. Klosterman.
Knox§	Starke	716	5	51.4	.....	84	29	23	24	39	4.73	.....	1.01	4.6	16	12	7	11	sw.	W. R. R. Tatman.
Laporte	Laporte	810	14	49.2[e]	+ 2.6	82[e]	11	25[e]	24	39[e]	3.48	+ 0.87	1.11	4.0	13	12[e]	4[e]	11[e]	nw.	J. E. Hallinen.
Plymouth	Marshall	790	7	50.1	.....	80	29	24	24	41	4.22	.....	0.86	7.3	16	13	7	10	sw.	J. W. Siders.
Illinois.																				
Aledo	Mercer	738	10	52.6	+ 2.8	88	29	20	24	35	3.62	+ 0.78	0.73	2.5	12	8	12	10	s.	Wm. B. Frew.
Alexander	Morgan	670	17	53.6	+ 0.6	89	29	22	24	36	2.69	− 0.06	0.73	2.5	14	8	8	14	nw.	George H. Hall.
Antioch	Lake	861	9	50.0	.....	85	29	18	24	45	2.94	.....	0.93	3.0	6	12	4	14	s.	J. C. James, jr.
Astoria	Fulton	650	11	52.8	+ 2.3	89	29	22	24	38	2.86	− 0.64	0.58	3.0	13	9	11	10	sw.	Ed. V. Bohl.
Aurora	Kane	687	31	50.4	+ 2.4	85	29	17	24	42	3.96	+ 0.97	1.07	8.0	13	7	7	16		W. Holden.
Bement	Piatt	700	3	51.5[b]	.....	80[b]	10†	22[b]	24	44[b]	3.13	.....	0.77	2.5	10	16	4	10	ne.	Rev. C. S. Adams.
Benton	Franklin	598	8	56.9[e]	.....	86[e]	29†	27[e]	24	34[e]	4.04	.....	0.95	4.0	13	9	6	15	nw.	F. H. Stamper.
Bloomington	McLean	840	19	53.1	+ 1.5	87	29	17	24	41	3.84	+ 0.06	0.57	4.0	16	12	12	6	sw.	Prof. H. N. Pearce
Cairo	Alexander	359	33	57.5	− 0.8	84	29	28	24	29	6.78	+ 3.21	2.03	1.6	14	7	8	15	s.	U. S. Weather Bureau.
Carbondale	Jackson	412	.....	57.3	.....	87	29	27	24	42	3.70	.....	1.22	3.0	14	11	5	14	sw.	State Normal University.
Carlinville	Macoupin	663	20	54.3	+ 0.3	90	29	24	24	37	4.89	+ 0.95	1.81	3.0	11	13	7	10	s.	R. O. Purviance.
Chester	Randolph	380	6	57.6	.....	86	29	33	24	31	3.02	.....	0.74	1.4	11	16	7	7	s.	F. A. Gollon, jr.
Clinton	Dewitt	727	.....	52.4	.....	85	29	18	24	40	2.93	.....	0.68	3.0	14	7	17	6	sw.	J. F. Ziegler.
Coatsburg	Adams	763	18	54.6	+ 2.1	91	29	22	24	34	2.85	− 0.85	0.80	3.6	10	10	5	15	s.	Dr. J. R. Lambert.
Cobden	Union	656	27	57.5	+ 0.7	87	29	26	24	36	6.19	+ 1.87	1.80	1.0	9	9	6	15	s.	John Buck.
Dakota	Stephenson	929	5	50.4	.....	84	29	16	24	40	3.32	.....	0.58	6.5	16	12	7	11	e.	Rev. G. W. Kerstetter.
Decatur	Macon	685	19	52.9	+ 0.7	85	29	23	24	42	3.00	− 0.05	0.56	2.5	12	15	5	10	w.	Prof. J. H. Coonradt.
Dixon	Lee	725	20	51.8	+ 3.1	90	29	18	24	49	3.43	+ 0.69	0.65	6.0	13	17	0	13	.....	H. V. Bardwell.
Du Quoin	Perry	459	22	56.6	+ 0.5	86	29†	26	24	38	3.23	− 0.46	0.52	4.0	13	13	7	10	sw.	G. H. Knetsger.
Dwight	Livingston	600	17	51.9	+ 2.4	88	29	22	24	44	3.84	+ 1.15	0.64	4.5	14	9	7	14	sw.	Ed. O. Welch.
Galva	Henry	842	18	51.2	+ 1.6	90	29	16	24	42	2.52	− 0.47	0.50	5.1	14	14	1	15	nw.	Prof. F. U. White.
Greenville	Bond	635	32	55.2	+ 0.3	86	29	25	24	34	2.55	− 1.53	0.87	1.5	12	11	3	16	sw.	M. S. Oudyn.
Griggsville	Pike	650	25	55.8	+ 1.7	91	29	23	24	35	2.72	− 0.89	0.50	3.0	10	10	8	12	nw.	Geo. F. Kneeland.
Halfway	Williamson	569	14	55.8[a]	− 0.7	83[a]	29	27[a]	24	31[a]	4.45	+ 1.02	1.07	7.0	11	12	5	13	s.	E. L. Hearn.
Havana	Mason	475	18	55.3	+ 2.2	90	29	24	24	41	3.82	+ 0.54	0.80	1.5	13	10	16	4	s.	F. & C. Borgelt.

TABLE 1.—*Climatological data for April, 1910. District No. 5*—Continued.

Stations.	Counties.	Elevation, feet.	Length of record, yrs.	Temperature, in degrees Fahrenheit.							Precipitation, in inches.				Number of rainy days, .01 inch or more.	Sky.			Prevailing wind direction.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmelted.		Number of clear days.	Number of partly cloudy days.	Number of cloudy days.		
Illinois—Cont'd.																				
Henry	Marshall	500	22	53.4	+ 3.3	89	29	22	24	41	3.28	+ 0.11	0.64	4.5	13	12	5	13	sw.	Dr. F. A. Powell.
Hillsboro	Montgomery	675	16	52.8	− 0.4	85	29	23	24	41	5.19	+ 1.72	1.85	2.0	12	14	2	14	s.	Ira L. Woodward.
Joliet	Will	541	19	51.2	+ 2.5	87	29	84	23	40	3.81	+ 1.22	0.94	4.4	14	13	1	16	nw.	F. M. Muhlig.
Kishwaukee	Winnebago	730	22	51.1	+ 3.4	86	29	16	24	37	3.84	+ 0.65	0.72	9.0	16	12	7	11	sw.	Geo. Stevens.
La Grange	Cook	657	18	52.8[i]	+ 5.1	81[i]	11	29[i]	7†	44[i]	3.47	+ 0.72	0.78	5.5	15	9	7	14	sw.	Prof. F. E. Sanford.
La Harpe	Hancock	698	31	52.4	+ 1.1	92	29	20	24	37	2.37	− 1.17	0.56	T.	10	15	6	9	sw.	Jno. S. Campbell.
Lanark	Carroll	883	21	50.4	+ 2.8	85	29	18	24	43	3.01	− 0.16	0.78	4.0	13	16	3	11	s.	M. N. Wertz.
La Salle	La Salle	536	33	51.8	+ 2.0	88	29	21	24	38	3.78	+ 0.68	0.57	4.6	16	10	7	13	sw.	U. S. Weather Bureau.
Lincoln	Logan	482	22	51.4[a]	− 0.7[a]	85[a]	29	18[a]	24	38[a]	3.56	+ 0.68	0.68	4.7	13	10	9	11	sw.	Prof. C. S. Oglevee.
Martinton	Iroquois	633	23	51.6	+ 2.2	88	29	22	24	47	2.27	− 0.94	0.38	2.0	13	14	4	12	s.	Jos. H. Peltier.
Mascoutah	St. Clair	425	20	56.8	+ 2.8	91	29†	26	24	42	4.62	+ 0.44	1.45	2.0	10	12	9	9	se.	Geo. Henrich.
Minonk	Woodford	745	17	53.0	+ 2.8	89	29	16	24	45	3.63	+ 0.82	0.92	9.0	12	11	10	9	sw.	O. M. Davison.
Monmouth	Warren	784	18	54.0	+ 2.9	91	29	20	24	39	2.91	− 0.16	0.99	4.5	16	12	9	9	nw.	Hugh R. Moffet.
Morrison	Whiteside	685	16	51.7	+ 2.5	86	29	20	24	42	4.09	+ 0.77	0.82	11.3	14	12	7	11	s.	S. A. Maxwell.
Morrisonville	Christian	638	11	53.0[a]	+ 1.4	85[a]	29	20[a]	24	43[a]	3.43	+ 0.15	0.97	3.3	11	10	10	10	nw.	J. D. Lowis.
Mount Vernon	Jefferson	511	16	55.2	+ 0.9	86	29	27	24	45	3.43	− 0.01	0.50	4.0	15	10	4	16	n.	Theo. P. Stelle.
Oregon	Ogle	702	1	51.9	.....	89	29	12	24	40	3.74	.....	0.65	6.5	14	12	5	13	sw.	Samuel Ray.
Ottawa	La Salle	500	24	53.0	+ 2.4	89	29	19	24	48	3.28	+ 0.37	0.53	6.0	11	9	7	14	sw.	Miss M. M. Harris.
Pana	Christian	692	24	53.8	+ 0.5	85	29	22	24	35	3.49	− 0.22	0.85	2.0	13	19	5	6	nw.	C. W. Sibley.
Peoria	Peoria	609	33	52.0	+ 1.1	89	29	22	24	36	3.56	+ 0.28	0.78	1.7	17	11	10	9	s.	U. S. Weather Bureau.
Pontiac	Livingston	546	8	53.0	.....	88	29	21	24	42	4.07	.....	0.76	6.0	15	12	7	11	sw.	Geo. Butterworth.
Riley	McHenry	956	51	50.6	+ 4.8	84	29	16	24	39	3.32	+ 0.64	0.73	4.5	15	8	10	12	nw.	John West James.
Rockford	Winnebago	763	18	50.2	+ 2.1	87	29	17	24	39	3.50	+ 0.38	0.54	3.0	18	14	2	14	.....	Hosmer C. Porter.
Rushville	Schuyler	670	19	54.4	+ 1.5	90	29	22	24	34	2.82	− 1.20	0.55	3.0	11	7	10	13	s.	H. F. Dyson.
St. Charles	Kane	700	15	50.9	+ 3.2	87	29	20	24	43	3.81	+ 0.78	0.52	6.0	16	6	14	10	sw.	Dr. Wm. H. Bishop.
St. Peter	Fayette	500	8	55.6	.....	88	29	24	24	38	1.87	.....	0.38	1.5	11	10	9	11	nw.	M. L. Lansford.
Springfield	Sangamon	644	33	53.7	+ 1.7	89	29	22	24	33	2.81	− 0.50	0.60	3.6	15	8	7	15	s.	U. S. Weather Bureau.
Streator	La Salle	626	17	52.4	+ 2.6	90	29	20	24	45	4.20	+ 1.31	0.84	5.8	13	16	4	10	sw.	Edw. F. Sweetser.
Sullivan	Moultrie	530	10	53.0	+ 1.8	86	29	24	24	42	3.18	− 0.91	1.45	4.5	10	12	10	8	nw.	C. A. Corbin.
Sycamore	De Kalb	855	30	49.8	+ 2.7	89	29	17	24	48	3.78	+ 0.45	0.73	2.0	13	14	3	13	se.	Miss E. J. Davis.
Tilden	Randolph	500	24	55.8	+ 0.1	88	29	25	24	38	3.23	− 0.71	0.65	5.0	15	12	2	16	nw.	Jas. A. Caldwell.
Tiskilwa	Bureau	798	16	52.7	+ 3.4	89	29	16	24	38	2.66	− 0.49	0.51	6.0	14	14	5	11	sw.	F. L. Smucker.
Walnut	....do	717	19	52.2[a]	+ 1.1	90[c]	29	18[a]	24	39[a]	2.42	− 0.42	0.40	2.1	13	14	7	9	se.	O. C. Nussle.
White Hall	Greene	573	2	53.4	.....	90	29	24	24	40	3.34	.....	0.67	4.5	15	11	5	14	w.	Dr. R. A. Pritchett.
Windsor	Shelby	681	11	53.2	+ 1.4	85	29	24	24	43	2.83	− 0.37	0.84	2.7	12	8	5	17	s.	Herbert Rose.
Winnebago	Winnebago	900	23	51.4	+ 3.6	87	29	15	24	42	4.56	+ 1.22	0.87	10.0	14	15	4	11	s.	Frank Osborn
Yorkville	Kendall	584	23	51.0	+ 3.6	85	29	18	24	45	4.16	+ 1.26	1.00	5.5	17	15	3	12	w.	Herman A. Grimwood.
Zion	Carroll	938	16	51.5	+ 3.2	87	29	19	24	39	2.67	+ 0.08	0.50	10.0	9	21	1	8	w.	Robt. F. Gillogly.

[a], [b], [c], etc., indicate, respectively, 1, 2, 3, etc., days missing from the record.
* Precipitation included in that of the next measurement.
** Temperature extremes are from observed readings of the dry-bulb; means are computed from observed readings.
† Also on other dates.
‡ Separate dates of falls not recorded.
§ Data are from standard instruments not supplied by the U. S. Weather Bureau.
§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.
‖ Estimated by observer.
‖‖ Precipitation for the 24 hours ending on the morning when it is measured.
T. Precipitation is less than 0.01 inch rain or melted snow.

TABLE 2.—*Daily precipitation for April, 1910. District No. 5, Upper Mississippi Valley.*

Stations.	River basins.	Day of month.																															Total.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
North Dakota.																																	
Amenia	Red														T.	.56	.50	.40															1.46
Bottineau	Mouse				.36										.16	.34	T.													.38	.10		1.34
Cando	Sheyenne													.15	.32		.25													.30			1.02
Crosby	Mouse			.04										.33	.48														T.	.31	.22		1.38
Devils Lake	Sheyenne													T.	.55	.27	.11													.20	.09		1.22
Donnybrook	Mouse												T.		.75																		0.75
Dunseith	...do			.11											.35			.02												.35	.08		0.99
Edmore	Sheyenne													.35		.46	.20	.10												.15			1.06
Forman	...do			T.												.71			.67														1.38
Grafton	Red														.10		1.00	.80															1.90
Granville	Mouse				.12										.48	.04	T.													.62	.23		1.49
Hannah	Pembina													.03	.50	.20	.10	T.												.57			1.40
Hansboro	Red				.05									.11	.35	.15	.08	.03												.65	.12		1.54
Hillsboro	...do				.05										.23		.76	.60	.20											.20	.05		2.09
Lakota	Sheyenne													.01	.66	.30	.50	.60												.12	.10		2.29
Langdon	Pembina														.08	.97	.14	.11													.30		1.60
Larimore	Red															.28	.21	.20	.07		.40										.15		1.31
Lisbon	Sheyenne														.02	.36	.20	.20	.60	T.													1.38
McKinney	Mouse		T.									T.		*	.54															.35	.11		1.00
Manfred	Sheyenne														.65	.10	.10	T.												.20	T.		1.05
Mayville	Red														.36		.35	.80												.40			1.91
Minot	Mouse				.06					.03					.89	.08		T.												.49	.22		1.88
Minto	Red														.15	.60	.27	.16	.03											.12			1.33
Oriska	Sheyenne														.19		.06		.30											T.			0.55
Park River	Red														.52	.32	.08	.08												.06			1.06
Pembina	...do			T.	.10										T.	.48	.27	.80	1.10	.21	.18	.22	.05	T.						T.			3.41
Portal	Mouse																																
Power	Sheyenne														*	1.00	*	*	.80														1.80
Pratt	Mouse														.52				.04										.95		.15		1.66
University	Red															.28	.10	.10															0.48
Wahpeton	...do			.75											.28		.20	.30	.10														1.63
Walhalla	Pembina																																
Westhope	Mouse				.18									T.	.77	.01	T.													.50	.31		1.77
Willow City	...do														.35	T.														.85	.05		1.25
Minnesota.																																	
Albert Lea	Mississippi			T.								T.			T.	.15	.20	T.					T.	.20	.15							0.70
Alexandria‖	...do	T.			.43	.03							T.			1.70	.35	.50	T.	.02			T.										3.03
Angus	Red														.31	T.	.10	.20					T.							.31	.06		0.98
Bagley	...do			.43	.02					T.					.14	.91	.69	T.					T.							.04			2.23
Baudette	Rainy			T.												.43	.17	.56	.33											.29			1.78
Beardsley	Minnesota														.41	.97	.25	.20	.10														1.93
Beaulieu	Red				.38										.23	.70	.30	.10	.05				T.							.10			1.86
Bird Island	Minnesota				.05										T.	.57	T.	.33	T.				.05	T.									1.00
Caledonia‖	Mississippi				.03	.45	.28									.22	T.	.45					.50	.11	.22						T.		2.26
Campbell‖	Red			T.	.50	T.									.02	.61	.44	.30	.20	T.													2.07
Cass Lake‖	Mississippi				.20	.10									T.	.60	.45	.60	.20		T.	T.	T.										2.15
Collegeville	...do	.02		T.	.70	.02						.01				.47	.04	.30				T.	.08	T.									1.64
Crookston‖	Red	T.		T.	.05	T.									.02	.46	.85	.30	.32				T.								.18		2.18
Detroit‖	...do	T.		T.	.50	T.									.16	.70	.53	.20	.14	T.		T.	T.								T.		2.23
Fairmont (near)	Minnesota											T.				.15	.30	.10							.10								0.65
Faribault	Mississippi														.03	.01	T.	.10	.01				.10	.19	.14								0.58
Farmington	...do											T.			T.	.20	T.	.20					.05	.05	.05								0.55
Fergus Falls	Red				.23	T.									.12	1.24	.10	.40	.05				T.										2.14
Fort Ripley‖	Mississippi				.10	.11							T.			.60	.58	.25					T.										1.64
Fosston	Red				.25	T.									.09	.57	.24	.28	.08											.07			1.58
Glencoe	Mississippi														T.	.65	T.	.26					.25	T.	.20								1.36
Grand Meadow	...do				T.							.03			.05	.08	.07	.04						.13	.03								0.43
Hallock	Red				.07										.20	.75	.10	.75												.01			1.88
Halstad	...do				.15	T.									.20	.30	.38	.09	.06												.07		1.25
Hinckley	St. Croix				T.							T.						.41							.11								0.52
International Falls	Rainy				T.	.40										.37	.03	1.13	.21					T.						.24	.01		2.38
Kelliher	Red																																
Lake Crystal	Minnesota																.08	.24															0.32
Leech Lake Dam	Mississippi			.09	.38	.26										.80	.05	.55	.09														2.22
Little Falls	...do																																
Little Fork	Rainy				.15	.22										.48	.05	1.34	.21											.28			2.73
Long Prairie	Mississippi																																
Lynd (2)	Minnesota														.33	1.01	T.	.30	.05				T.										1.69
Mankato‖	...do																	.42					.08	T.	.18								0.68
Mapleplain	Mississippi																																
Milaca	...do											T.						.67				T.	.10										
Milan	Minnesota	T.			.40										.76	.67	.10	.25	T.	.04		.08											2.30
Minneapolis	Mississippi				.02											.10	.13	.18				.03	.06	.12									0.64
Montevideo‖	Minnesota	T.			.58											1.30	.18		.67				.02										2.75
Moorhead	Red			.18											.18	1.00	.02	.42	.12											T.			1.92
Mora	St. Croix				.06							.01				.15	T.	.40					.07	T.	.02								0.71
Morris	Minnesota				.56										.20	1.27		.30															2.33
New London	Mississippi				.48											.98	T.	.60															2.06
New Richland	Minnesota							T.				.27			T.	16	.12	T.					.09	.45									1.09
New Ulm‖	...do															.45	T.	.40	T.				.10	T.	.10								1.05
Osakis	Mississippi				.64	.04									T.	2.54	.25	.31	.03			.25	T.										4.06
Park Rapids‖	...do			T.	.40	T.										.75	1.02	.38	.15	.09			T.	T.									2.79
Pine River Dam	...do				.18	.25										.85	T.	.70					T.										1.98
Pokegama Falls	...do			.07	.16	.12								.08		.59	.07	.36	.04			T.	T.	T.						T.			1.49
Red Lake	Red				.27									T.		1.24		.68	.20											.12			2.51
Red Wing‖	Mississippi															.16		.30	.06	.02			.08	T.	.24	T.							0.86
Redwood Falls	Minnesota														T.	.45	T.	.50					.08										1.03
Reeds Landing‖	Mississippi												.16			.02		.10	.04	24			.04		.12								0.72
Rochester‖	...do															.13	T.	.34	.25	T.			T.		.05								0.77
Roseau	Red				.04	.10									.61	.37	.42	.50	.13											.10			2.27
St. Charles‖	Mississippi					.11	.02									.12		.33	.04	.01			.09		.12								0.54
St. Cloud	...do				.70	.05						T.				.25	.03	.35				T.	.14	T.									1.52
St. Paul	...do				T.										T.	.10	.16	.10				.10	T.	.13									0.59
St. Peter	Minnesota															.13	T.	.22					.13	T.	.25								0.73
Sandy Lake Dam	Mississippi																																
State Sanatorium	...do				.45											1.24	.11	1.00	.10														2.90
Stillwater‖	St. Croix				T.											.16	T.	.26	T.				.08		.08								0.58
Taylors Falls	...do				.12											.13	.29							.17									0.71
Warroad	Rainy				.16										.06	.40	.30	.40												.19			1.51
West Concord	Mississippi															.20	.20	.20	.20				.30	.50									1.60
Willow River	St. Croix																																
Windom	Des Moines														T.	.30	T.	.30					.07	T.	.10								0.77
Winnebago‖	Minnesota															.05	.12	.25	T.				.09	T.	.18								0.69
Winnibigoshish	Mississippi				.26	.14								.04		.88	.05	.60	.13											T.			2.10

TABLE 2.—*Daily precipitation for April, 1910. District No. 5*—Continued.

Stations.	River basins.	Day of month. 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total.
Minnesota—Cont'd.																																	
Winona	Mississippi				.21	.20	T.					T.				.11	.28	.16	.01				.03	.12	.08	T.							1.20
Worthington‖	Des Moines															.65	.11	.07	T.				.05										0.88
Zumbrota	Mississippi							T.									.30	T.	T.				T.	.10									0.40
South Dakota.																																	
Milbank	Minnesota	.11			.19										T.	.96	.75	.07	.04														2.12
Wisconsin.																																	
Antigo	Wisconsin																																
Barron	Chippewa																.20	.60						.10									0.90
Beloit	Rock			*	.30	.49	.50					.40				.10	.50	.21	T.				.35	.40		.29	T.				T.		3.64
Brodhead	...do			.22		.21	.45					.16				.39	.56	.10	.31				.32	.80		.15	.35	.05			T.		4.07
Burnett	...do			.11	T.	.45	.66					.12					.52	.04	.05	.02			.49	.41	T.	.19	.36	.06		T.			3.48
Delavan	...do			.03	.31	.10	.24					.03				.03	.53	*	.05	.02			.67	.57	.06	.54					.06		3.24
Dodgeville	...do																																
Downing	Chippewa															T.	.40	.20						.20									0.80
Eau Claire	...do				.06	T.										T.	.40	.30	.17				.12	.20	.04								1.29
Ellsworth	Mississippi																																
Glidden	Chippewa																																
Grand Rapids‖	Wisconsin					.25	.98						.22			.22		.80	.13	.12		T.	.13	.65	.14	.42	T.	.08					4.14
Grantsburg	St. Croix											T.				.22	T.	.33						T.	.20								0.75
Hancock	Wisconsin				T.	.97	.53					.18			.25		.35	.25	.20				1.30	.40	.12	T.	.12						4.67
Hatfield	Black				.70	.62	.90					.25				.12	*	.54	T.	T.		.13	T.	.06	.20	.33							3.85
Hayward	St. Croix															.45	.60							.05									1.10
Hillsboro	Wisconsin				.57	.97						.10			.53		.85		.10				.95		.16	.16				T.			4.39
Koepenick	...do				.01	.04	1.05					T.					.10	.67	.26				.80	.99	.30								4.23
LaCrosse	Mississippi				.09	.63						T.			.02	.16	.45	.16	.01				.30	.17	.18	.06							2.23
Lake Mills	Rock			.03	.06	.18	.52					.08				T.	.62	.26	.06				.48	1.10	.14	.31	.09	.06			T.		3.99
Lancaster	Mississippi				.10	*	1.50					.17			.61		.40	.24	.05				.80	.25									4.12
Long Lake	Wisconsin				T.	.22	T.		.01			.02				.08	.03	.42	.03				.66	.41	.12	.02							2.02
Madison	Rock			.13	.10	.82	.44					.17			.04	.17	.54	.08	.03			T.	.54	.80	.07	.22	.41				T.		4.56
Mather‖	Wisconsin				T.	.71	.85						T.			.31		.78	.09	.04			.29	.32	.20	.41	T.						4.01
Mauston	...do					1.10	.70					.10				.50	.45	.12	.05				1.35		.17		.15						4.69
Meadow Valley	...do				T.	1.40						.15				.33	.68	.09	.04				.69	.05	.25								3.68
Medford	Black				*	3.15										.55	*	.55				.10	.10										4.45
Merrill	Wisconsin				.01	1.10	.05									.10	.12	.15					1.12	.80	.45								3.90
Minocqua	...do					.30										T.	.20	.60					.10	.15									1.35
Mondovi	Mississippi				.30	.03						T.				.07	.30	.15	.09	.07				.07	.02								1.10
Mount Horeb	Rock			.08	.06	.74	.90					.25	.01			.30	.60	.25	.06				1.25	.60	.14	.15	.50				T.		5.89
Muscoda‖	Wisconsin				T.	.22	1.64		T.				.12			.51	T.	.74	.16	T.			.30	.76	.34	.01	.12						4.92
Neillsville	Black				T.	.46	.43					.50				.13	*	1.88					*	*	*	.70							4.10
New Richmond	St. Croix															.21	.20	.80						.20									1.41
Osceola	...do				T.							T.				.13	.33						.05	.18									0.69
Portage	Wisconsin			.08		.67	.53					.12			.50		.76	.10					1.70	.20	T.	.15	.20						5.01
Prairie du Chien‖	Mississippi				.06	.26	1.18		T.				.14			.46		.38	.04				.20	.58		.04							3.34
Prentice	Chippewa				T.	.54						.14				.32	.47	T.	.11				.12	.17	T.								1.87
Rhinelander	Wisconsin				T.	1.00	.05									.11	.16	.30	.13				.56	.28	.20	.03							2.82
Sauk City	...do																																
Shullsburg	Mississippi			.08		.77	.88					.09				.92	.49	.16	.10				.93	.40			.34						5.16
Solon Springs	St. Croix															.40	.50						.20	T.	T.								1.10
Spooner	...do											T.				.02	.50	.10	T.				.20	T.									0.82
Stanley	Chippewa				T.	.25										.12	.34	.35	.07				.05	.35	T.								1.53
Stevens Point	Wisconsin					1.01	.25					T.			*	*	1.06						2.00	*	*	.50							4.82
Valley Junction	...do				.17	1.63	.39					.03				.57	.32	.47	.31				.77	.24	.12		.29						5.31
Viroqua	Mississippi			.01	.05	1.10	.20									.28	.54	.18	.02	T.			.34	.04	.14	T.							2.90
Vudesare	Wisconsin				T.	.90	T.				T.	T.					.40	.20		T.			.60	.26	T.	T.							2.36
Watertown‖	Rock			.12	.24	.10	.38	.02					.29			.14	.05	.56	.15	.10				.30	1.20		.12	.20					3.97
Waukesha	Fox				.43	.45	.03					.03					.28	.12					.95	.80	.10	.45	.27						3.91
Wausau	Wisconsin				T.	.95	.42					.02				.18	.19	.63	.17				.86	.23	.10	.13							3.88
Weyerhaeuser	Chippewa				.09							.06				.11	.35	.30	T.			.06		.17	T.								1.14
Whitehall	Mississippi					.09											.30	.80															1.19
Iowa.																																	
Albia‖	Des Moines					.26	.90					.08	.06			.08		.06	.08	.03				.26	.07	.14							2.02
Algona	...do														T.	.06	.09	.09							.05								0.29
Alta‖	Raccoon												.34			.22	.02	.35	.05						.07	T.							1.05
Amana	Iowa				.01	1.14	.57		.02							.37	.13	.08	.02	.03			.12	.02		.09	.02				T.		2.62
Ames	Skunk				.10	.10						T.	.20				T.		T.					T.	.10								0.50
Baxter	...do				1.49	.14			.01			.11	.02		.03	.04	.04	.08	.04				.18	.02		.05							2.25
Belle Plaine	Iowa				.05	.60			T.								.30	.15	.02				.22	.20		.15							1.69
Belmond	...do			T.				T.				.61				.03	.08	.10	.03					.05	.08							.06	1.04
Bloomfield	Mississippi					1.12	.24										.08	.26	T.				.64		.24	.01					.10		2.69
Bonaparte	Des Moines	.02			.36	1.32	.46								.06	.18	.12	.10	.05					.03	.03	.12	.17				.07		3.09
Boone‖	...do				.05								.43			.04		.14	.02				.07		.09	T.							0.84
Britt	Iowa			T.								.75				.02	.07	.05						.02							T.		0.91
Buckingham	Cedar				.34	1.06									T.		.15	T.					.20										1.75
Burlington‖	Mississippi			.36		.46	.80									1.28		.33	.60	.06				T.	.33	.19	.45				T.		4.86
Carroll‖	Raccoon			T.											.10		.10							T.									0.20
Cedar Rapids‖	Cedar			T.	T.	1.40		T.				.10			.42		.20	.06	.05			T.	.20	.03	.05	T.				T.			2.51
Charles City	...do				.18	.03									.22	.01	.03	.13					.16	.10	.02								0.88
Clear Lake	...do																							.10		.10							0.20
Clinton	Mississippi			.24		.12						.75			.33		.38	.21					.30		.38	.21	.13				.50		3.55
Columbus Junction	Iowa			T.	T.	1.00	.45								T.		.45	.15	.05				.15	T.	.04	.10	.20				.45		3.04
Davenport	Mississippi	.15		.06		1.09	.21					.01			.44	.01	.38	.09	.01	T.			.24	.06	.06	.11	.13				.64		3.69
Decorah	...do				.08	.67										.70	.42	.03	T.				.25	.20	.21						T.		2.56
Delaware	...do				.30	.50	.90		.02							.27	.24	.04	.02				.52	.12		.03							2.96
Des Moines	Des Moines			.30	T.	.17		T.				.12			.23	T.	.01	.09	.02			.09	.04	.06	T.								1.13
De Soto	Raccoon				1.32	.13						.10				T.	T.	.05	T.					T.	.02	T.							1.62
Dubuque	Mississippi			.02	.02	.95	.50		.01						.26	.08	.38	.04	.05				.68	.35		.04	.02						3.40
Earlham	Raccoon				1.56	.12							.13		.07	.05	T.	.10						.10	.10								2.23
Elkader	Mississippi				.19	1.20						.25	.40				.30	.03	T.				.20	.50	.09								3.16
Elma	Wapsipinicon				.25	.05			.05			.32				.42	.10	.12	.05				.15	.05	.02	.03					T.		1.61
Estherville‖	Des Moines												.30			.33	T.	.20							.12								0.95
Fairfield	Skunk	T.			.05	1.07	.67		.02			T.	.09			.19	.13	.10	.06	.01			.30	.10	.01	.08	.07				.23		3.18
Fayette	Mississippi				.45	.85										.62	.42	.04	.03				.24	.18	*	.20							3.03
Forest City‖	Cedar															T.	T.	.15															0.15
Fort Dodge‖	Des Moines			T.	T.											.08		.10	.07						.10								0.35
Fort Madison	Mississippi				T.	.90									.98	T.	T.	.10	.30				T.	T.	.20	.50					.21		3.19
Gilman	Iowa																																
Grand Meadow	Mississippi				.22	1.00			.10			.35				.29	.57	.02	.01				.15	.10		.10							2.01
Greene	Cedar				T.							.20				T.	T.	.21	.03				.37	.03	T.								0.84
Grinnell	Iowa				.90	.42						.25	.10			.54	.02	.14	T.				.27			.11							2.75
Grundy Center	Cedar																																
Guthrie Center	Raccoon	T.			.30							.04			.12	.21	.02	.12	T.					T.	T.								0.81
Hampton	Cedar											.38					.10	.17				.20		.08									0.93
Humboldt	Des Moines											.12			.08		T.	.12					T.	T.	.03						.03		0.38
Independence	Wapsipinicon				.33	.15										.69	.20	.10	T.					T.									1.47

TABLE 2.—*Daily precipitation for April, 1910. District No. 5*—Continued.

Stations.	River basins.	Day of month. 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total.
Iowa—Cont'd.																																	
Indianola	Des Moines				.05	.28		T.				T.	.02	.04	T.	.05	T.	.08	.03					.01	T.	T.							0.56
Iowa City‖‖	Iowa			T.		.22	1.16						.03			.21		.06	.20	.02			T.	.45	.02	.07	.12						2.56
Iowa Falls‖‖	...do				.11	T.			T.				.62			.02	T.	.40	.10	T.			.32	T.	.15	T.							1.72
Jefferson	Raccoon							T.				T.			T.	.25	T.	.02					.05	.05									0.37
Keokuk	Mississippi		.08		.10	.70						T.			1.25		.11	.21	.04				.05	.03	.04	.10	.20				T.		2.91
Keosauqua‖‖	Des Moines			T.		.24	1.83		.01				T.			.21		.10	.15	.05	T.			T.	.18	.27	.21				T.		3.25
Knoxville	...do				.20	.24						T.				.08	.03	.05	.04				.07	.05		.09					T.		0.85
Lacona	...do					.46						.54			.20	.10	T.	.10	.10				.24	.01	.10	.10							1.95
Le Claire‖‖	Mississippi			.18	T.	.22	.50						T.			.42		.28	.21	T.	T.			.20	.11	.08	.20	.11					2.51
Marshalltown‖‖	Iowa				.61	.08	.11						.26			.24		.11	.07				.28		.03	.10							1.89
Mason City	Cedar											.14			.03		.02	.04						.08									0.31
Mount Pleasant	Skunk			.06	T.	1.42	.30		.02			T.				.27	.18	.10	.14	.02			T.	.02	.02	.07	.18				.23		3.03
Muscatine‖‖	Mississippi			.23		.32	.90									.32		.34	.10	T.			T.	.10		.09							2.40
New Hampton	Wapsipinicon				.51							.15				.25	.20	.22						.20	T.								1.64
Newton	Skunk					.20	.16						.10			.19		.02					.45										1.12
Northwood	Cedar			T.											.01	.08	.03	.09	.07	T.				.50	.20								0.98
Olin	Wapsipinicon																																
Osage	Cedar				T.											T.	T.	.25					T.	.10	T.							0.35
Oskaloosa	Des Moines				.03	.90			.03			T.	.06		.39		.10	.12	.03			.03	.19	.30	.13	T.					.18		2.49
Ottumwa	...do			T.	.11	1.16	.04					T.			.09	.20	.05	.07	.04				.27	.01			.15				.33		2.52
Pella	...do				T.	.80			.04			T.	T.		T.	.01	.04	.10	.04	T.			.15	.01	T.	.08					T.		1.27
Perry	Raccoon				.15			T.				T.	.14		*	.20	T.	.12	T.					T									0.61
Plover	Des Moines														.02	T.	.10	.02							.08								0.22
Pocahontas	...do															.03		.09							.11								0.23
Ridgeway	Mississippi				.52	.21		.05				.25			.30		.71	.26	.03	T.			.56	.23	.40						T.		3.52
Rockwell City	Raccoon							T.							.02		.10	.50	.10					.20							.10		1.02
Sac City	...do							T.							.11	.17	T.	.20						T.	T.						.04		0.52
St. Charles	Des Moines			T.	T.	.20							.16		.03		T.	.16	.01				.01	.03									0.60
Sigourney	Skunk					1.00	.30					T.	.40			.25	.15	.12	.12	.02			.56	.02	T.	.09					.33		3.30
Stockport	...do		T.		T.	1.19	.88					T.			T.	.15	.15	.20	.07	.01			T.	T.	.05	.05	.11				.19		3.05
Storm Lake	Raccoon														.15	.11	*	.34													.05		0.55
Stuart‖‖	...do			.28	T.								.50		.48	.10	.05							T.									1.41
Tipton	Cedar					1.28		.03									*	*	.32				.45	.12		.09					.22		2.51
Toledo	Iowa				.45	T.	.50	T.				.08				.45	.03	.08	.03	T.			.40	.03		.07							2.12
Wapello	...do			.16	.78	.23									T.	.20	.14	.10					T.	T.	.01	T.	.20				.25		2.07
Washington	Skunk				.86	*	.93								.12		.14	.12	.06				.22	.01	.02	.10	.11				.42		3.11
Waterloo‖‖	Cedar				.73	.34			.04			.05				.36	.26	.05	T.				.11	.14	.07	.02							2.17
Waukee	Raccoon			T.	.91	.11		T.				.05	.10		.02	.02	.01	.02	.01				T.	.02	.02	.02							1.31
Waverly	Cedar				.92	.12										.40	.10	.13	.04				.10	.05	.03	.11							2.00
Webster City	Des Moines											T.				T.	T.	.10					T.	T.							T.		0.10
West Bend	Des Moines			T.								.03			.04			.18						.10							T.		0.35
Whitten	Iowa				1.00	.12						T.					T.	.10	T.					.10									1.32
Winterset	Des Moines			T.	.12	.21							.14		T.	.13	T.	.10	T.					T.	.09	T.					T.		0.79
Zearing	Iowa				.28											.04	.02	.03	.01				.04	.05									0.47
Missouri.																																	
Darksville	Chariton																																
Gorin	Mississippi			.05		2.73					.02		.06		.38		.09	.15	.07						.04	.13					T.		3.72
Hannibal	...do		.32	.05	.36	.59	T.					T.			.30	T.	.06	.17	.08	T.			.21	.05	.02	.03	.23				.13		2.60
Louisiana	...do		T.	.40		.40	.06					.39			T.	.09	.41	.16	.05				.25	.03	.10	.08	.40						2.82
Mexico‖‖	...do			.55	.04	.64	.75						.23			.12	.04	.03	.20	.08				.18	.11	.05	.19	.07					3.29
Steffenville	...do		T.	.50	.70	1.10	.40								.23	1.20	.11	.20		T.			T.	T.	.25	.05	.25				.05		5.04
Sublett	...do		T.		T.	2.00							.10		T.	.25	T.	T.	.10					T.	T.	.10					T.		2.55
Warrenton‖‖	...do			.30		.22	.14						.23	T.		.58	.51	.22	.16	.22				.15	.12	.04	.31	.01					3.21
Indiana.																																	
Collegeville	Iroquois			T.	.05	.04	.07					.03				.03	.10	.22	.16				1.20	.10		.18	.80						2.98
Knox	Kankakee			.01	1.01	.05	.02					.37	.11			T.	.88	.18	.42	.16			.16	.30	.13	.25	.56	.12					4.73
Laporte	...do				.36	.01	.01					.01						.70	.20				.65	.15	.11	.28	.83	.10			.07		3.48
Plymouth	...do			.02	.56	.03	.17					T.	.36			.04	.86	.22	.48	.19			.18	.25	.14	.24	.36	.12					4.22
Illinois.																																	
Aledo	Mississippi			.34		.73	.46								T.	.70	.29	.17	.07				.10	.02	.08		.32	T.			.34		3.62
Alexander	Illinois		.10	T.	T.	.43	.04					T.	.06			.73	.43	.07	.04	T.			.21	.05	.05	.04	.40	.04					2.69
Antioch	...do				.30	.18										T.	.63		T.				.93	.70							.20		2.94
Astoria	Illinois		T.	.21	T.	.42	.18					T.	.08		T.	.25	.58	.10	.03	T.			.30	.10	.20	.01	.40				T.		2.86
Aurora	...do			.06	.15	.22	.01						.63			.15	.61	T.	.21				1.07	.30		.11	.31				.13		3.96
Bement	Mississippi			.10		.12	.07										.77	.08	.20			.32	.67	.25	T.		T.						3.13
Benton	...do			.10		.50	.05					.25		.15		.70	.95	.04	.20	.10			.10	T.	.50		.40	T.					4.04
Bloomington	Illinois			.07	.09	.42	.22					.15	.33			.57	.54	.06	.34	.02			.44	.10	.03	.11	.35				T.		3.84
Cairo	Mississippi		T.	.28	.35	.48						1.06	.53		1.42	1.57	.46	.09	.03	.02			.02	T.	.22	T.	.25						6.78
Carbondale	Mississippi			.05	.34	.32	.08					.14	.28			.50	1.22	.02	.15	T.				T.	.26	.10	.22	.02					3.70
Carlinville	Illinois		.24		.04	1.30										1.81	.14	.46	.14				.25	.02	.13	T.	.36	T.					4.89
Carlyle	Mississippi			.55		.50	.06						.30			.50	.80	.50	.15					.25	.20								3.81
Chester	...do			.16	.46	.01	T.					.30	.20			.74	.48	.08	.18				T.	.14		T.	.27						3.02
Clinton	Illinois			T.	.10	.68	.08					T.	.01			.16	.67	.07	.18	T.	.02		.18	.08	.07	.08	.55	T.					2.93
Coatsburg	Mississippi			.50	T.	.80	.18		T.						.11		.26	.20	.08				.24	.08			.40				T.		2.85
Cobden	...do				.90	1.80						.47	.22				1.70	.20	T.	T.			.08	T.	.27		.55						6.19
Dakota	Mississippi			.21	.11	.38	.47					T.	.01			.40	.58	.10	.13				.25	.05	.04	.15	.34	.04			.06		3.32
Decatur‖‖	Illinois			.09	.07	.38	.10					.03	T.			.20	.30	.56	.21		T.		.34	.20	T.	T.	.52						3.00
Dixon‖‖	Mississippi			.34	.15	.16	.10						.65			.40	T.	.48	.10					.12	.40	.10	.33	.10					3.43
Du Quoin	...do			.05	.05	.05	.23					.50	.25		.52		.35	.15	.20	.08			.09	T.	.40		.35						3.23
Dwight	Illinois			.08	.42	.23	.10					T.				.50	.47	T.	.37	.05			.64	.17	T.	.26	.48	.04			.03		3.84
Edwardsville	Mississippi		.09	.41	.04	.98						.14				.63	.55	.02	.27				.12	.02	.12		.32						3.71
Galva‖‖	Illinois			.19	.01	.39	.25					T.			T.	.26	.30	.21	.03				.03	.09	.10	.02	.50				.14		2.52
Grafton‖‖	Mississippi			.24	.08	.68	.12						.08			.38	.18	.36		.16				.12	.14	.08	.30						2.92
Greenville	...do		T.	.11	.03	.07						.12				.50	.87	.14	.04				.06	.04	.16		.41						2.55
Griggsville	Illinois		T.	.35		.48							.12		T.	.35	.50	.11	T.	T.			.29	.05	.15		.32	T.			T.		2.72
Halfway	Mississippi			.07	.40	.46	T.					.17	.30			.60	1.07		.13				.18	T.	.70		.37						4.45
Havana	Illinois		.23		.10	.38	.15					.71	.11			.80	.46	T.	.04				.17	.10			.55				.02		3.82
Henry	...do			.06	.64	.25						T.				.46	.53	.11	.17				.20	.25	.08	.08	.43				.02		3.28
Hillsboro	Mississippi					T.	.30	1.12	.10				.04			.45	1.85	.42	.20					.15	.18		.30	.08					5.19
Joliet	Illinois			T.	.71	.18	.05					.09				.16	.25	.06	.13				.94	.15	.06	.40	.29				.34		3.81
Kishwaukee	Mississippi			.15	.33	.72	.05					.28				.40	.45	.03	.11				.14	.40	.13	.19	.16	.03		T.	.27		3.84
La Grange	Illinois				.24	.14	.05					.21	T.			.24	.27	.07	.16				.78	.24	.14	.29	.30	.01			.33		3.47
La Harpe	...do			.14	T.	.56	.53		T.			T.	T.		T.	.48	.16	.08	.04	T.			.13	T.	.06		.19				T.		2.37
Lanark	Mississippi			.22		.20	.44					T.				.40	.38	.10	T.				.27	.23	.07	.10	.43	.03			.14		3.01
La Salle	Illinois			.04	.49	.09	.01					.35			.32	.09	.57	.03	.36	T.			.35	.10	.04	.39	.07				.48		3.78
Lincoln	...do			.05	.05	.58	.12					T.	.09			.68	.58	.05	.10				.39	.02	.35	.50	T.						3.56
Loami	...do			.30		.75	.10					T.	T.			.85	.35	.10	T.				.20	T.	.15	T.	T.						2.80
Martinton‖‖	...do		.08	.28	.10	.14										.20	.22	.22	.10				.28	.10	T.	.25	.10				.20		2.27
Mascoutah	Mississippi			.58		.06	T.					.30	.10			.62	1.45	.08	.07					T.	.16		.20						4.62
Minonk	Illinois			.05	.20	.26	T.					T.	T.		T.	.92	.51	.04	.41	T.			.40	.24	.12	.14	.31				T.		3.63
Monmouth	Mississippi			.16		.47	.52						.01		.05	.24	.35	.26	.05				.12	.06	.07	.03	.29	.01			.22		2.91
Morrison	...do			.22	T.	.14	.30					.82	.22			.17	.37	.10	.03				.34	.43	.21	T.	.37				.47		4.09
Morrisonville	Illinois			.10	.10	.97	.08								.61	*	.70	.07	.08				.21	T.	.10		.41	T.					3.43
Mt. Vernon‖‖	Mississippi				.11	.38	.06					.02	.45				.50	.29	.15	.03				.26	.22	.02	.38	.16					3.43

TABLE 2.—*Daily precipitation for April, 1910. District No. 5*—Continued.

Stations.	River basins.	Day of month.																															Total.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Illinois—Cont'd.																																	
Oregon	Mississippi			.33	T.	.20	.20					.05	.01			.20	.65	.20	.05				T.	.30	.30	.45	.25				.55		3.74
Ottawa	Illinois				.53	.18	.06									.26	.50	.03	.49				.35	.34	T.	.20	.34						3.28
Pana	Mississippi			.07	T.	.45	.07									.85	.83	.10	.16	.03			.14	.01	.25		.51	.02					3.49
Peoria	Illinois		T.	.03	.36	.30	.02					.02	T.		.50	.31	.50	.10	.09	.01			.28	.14	.04	.35	.10				.41		3.56
Pontiac	do			.07	.45	.34	.08									.09	.60	.02	.55	.08			.50	.10	T.	.36	.76	.05			.02		4.07
Riley	Mississippi			.02	.26	.05	.07					.15				.01	.73	.01	.11				.56		.42	.41	.11	.11			.30		3.32
Rockford‖	do			.05	.45	.23	.51	.04				.16				.23	.02	.52	.09	.01		.06		.33	.14	.02	.33	.04			.27		3.50
Rushville	Illinois		.35	.15		.55			T.			.08			.25		.40	.04					.18	.30	.42		T.				.10		2.82
St. Charles	do			.09	.48	.16	.05					.45				.15	.52	.03	.10				.43	.30	.30	.14	.37	.02		T.	.22		3.81
St. Peter	Mississippi			.25	T.	.21	.07					.07				.21	.28	.09	.06				.10	T.	.15		.38						1.87
Springfield	Illinois		T.	.16	.26	.18	.04					.21			.30	.21	.44	.07	.02	T.			.38	.14	.03	.21	.16	T.					2.81
Streator‖	Illinois			.10	.84	.14	.06									.30	.50	.36	.20	.26	T.			T.	.78	.10	.50	.06					4.20
Sullivan	Mississippi			.06	.15		T.									.75	.70	.07	.21	T.			.24	.20	.10		.70						3.18
Sycamore‖	do			T.	.35	.33	.05						.20			.07	.35	.50	.10	.15				.60	.10	T.	.73	.25					3.78
Tilden	do			.26		.55	.06					.20	.13			.56	.65		.10	.01			.07	.01	.24	.01	.37	.01					3.23
Tiskilwa	Illinois			.15	.05	.26	.03					T.				.51	.37	.13	.11	T.			.20	.30	.10	.06	.36				.03		2.66
Walnut	Mississippi			.21		.15	.05									.40	.33	.13	.10				.30	.19	.08	.13	.33				.02		2.42
Warsaw‖	do		.16		.27	.74						.01			.81		.28	.06	.04				.01	.12	.05	.27							2.82
White Hall	Illinois		.03	.22		.67	.05					.06				.62	.42	.15	.10	.01			.23	.10	.30	.03	.35						3.34
Windsor	Mississippi			.13		.15	.05					T.				.84	.67	.09	.10	.02			.20	.03	.05		.50						2.83
Winnebago	do			.18	.19	.87	.37					T.				.39	.52	.15	.15				.25	.35	.20	.35	.25				.34		4.56
Yorkville	Illinois				.05	.05	.01					.20	.20			.20	.50	.10	.50	.05			1.00	.50	.10	.50	.10	.05			.05		4.16
Zion	Mississippi		.21			.35	.40								.34		.08	.49						.50	.20	.10							2.67

TABLE 3.—*Maximum and minimum temperatures at selected stations, April, 1910. District No. 5, Upper Mississippi Valley.*

Date.	North Dakota.										Minnesota.																	
	Bottineau.§§		Devils Lake.		Lisbon.§§		Minot.§§		Pembina.§§		Collegeville.		Crookston.§§		Grand Meadow.		Montevideo.§§		Moorhead.		New Ulm.§§		Pine River Dam.		St. Paul.		Winnibigoshish.	
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.
1...	56	22	55	27	64	30	58	26	60	29	62	39	53	30	64	34	62	28	56	31	64	30	63	32	61	47	55	32
2...	60	40	62	39	76	34	63	28	60	36	70	37	72	37	73	36	77	35	75	36	74	37	71	23	73	40	67	26
3...	62	42	66	37	80	40	63	40	62	41	69	53	73	30	74	46	80	55	79	46	77	38	78	52	74	49	73	50
4...	43	32	40	25	47	39	50	32	41	30	64	42	37	36	75	47	49	49	57	32	65	40	62	38	73	40	66	37
5...	62	25	60	24	60	20	67	27	58	23	50	37	52	27	48	36	52	31	55	27	55	35	60	33	49	38	50	32
6...	76	28	70	31	70	24	78	35	63	30	60	34	60	30	63	28	67	28	63	28	64	30	61	30	62	32	57	28
7...	54	36	58	37	67	35	59	37	55	40	69	42	60	35	66	30	75	43	65	38	75	32	69	58	69	38	64	36
8...	68	34	70	36	80	26	71	35	64	32	67	40	71	30	68	40	74	38	76	30	74	39	66	40	67	44	64	35
9...	65	38	65	35	77	36	81	39	61	34	72	47	62	33	80	45	79	45	74	36	81	40	68	36	74	48	63	38
10...	62	35	74	35	85	44	68	34	59	37	80	52	81	40	79	48	83	50	85	43	84	47	67	40	80	50	79	42
11...	59	30	58	30	60	37	62	26	64	28	76	34	58	37	62	32	59	48	59	38	71	45	50	38	66	39	75	36
12...	76	31	68	33	68	28	72	32	63	30	53	31	55	35	72	38	69	40	59	33	68	40	54	30	59	38	52	30
13...	75	34	80	42	81	38	71	38	80	40	75	46	80	40	71	44	78	45	82	43	77	42	77	36	74	44	74	48
14...	45	31	61	30	59	34	42	35	61	50	69	53	60	50	67	43	67	50	60	48	74	45	70	50	70	51	72	51
15...	31	20	30	20	34	28	35	24	50	20	65	33	30	29	45	25	39	38	48	16	53	51	68	33	63	32	63	43
16...	26	18	21	14	28	17	32	20	22	12	37	20	25	16	33	19	28	18	25	16	33	23	38	22	32	26	43	25
17...	39	17	29	18	29	23	43	22	28	18	32	26	31	17	40	28	35	20	31	20	39	23	35	30	36	25	37	31
18...	53	22	43	21	40	24	57	23	32	20	40	26	35	18	53	30	36	28	35	26	43	25	40	29	52	30	38	29
19...	80	27	70	39	60	19	86	27	43	28	56	30	42	25	68	27	52	25	44	22	57	30	58	28	59	35	55	27
20...	83	33	68	33	70	30	84	36	66	32	65	38	62	34	69	40	74	45	69	35	74	32	68	26	69	34	68	30
21...	55	38	56	29	58	40	60	40	50	40	67	48	53	42	70	40	64	46	56	38	73	38	63	40	72	47	63	30
22...	43	20	40	20	42	28	52	21	42	18	49	29	33	20	61	30	38	31	36	22	43	39	41	25	49	25	44	20
23...	52	15	45	15	49	20	70	18	40	19	40	22	41	20	31	17	44	22	41	20	45	26	42	18	33	20	43	18
24...	70	20	63	23	60	24	74	28	62	18	54	30	53	25	44	27	58	21	57	26	50	26	59	27	47	29	57	24
25...	78	32	76	38	70	26	80	36	64	28	61	31	66	34	59	32	66	29	68	30	63	30	67	38	60	31	69	29
26...	86	42	83	44	82	35	90	52	72	37	75	39	77	38	72	41	80	35	81	36	74	33	76	29	73	38	74	34
27...	85	43	84	34	90	42	91	35	59	39	86	55	77	40	83	45	90	44	92	40	87	45	75	38	86	46	76	43
28...	73	39	68	37	74	42	76	44	79	38	83	33	65	38	89	53	92	53	70	39	93	50	66	33	83	42	63	35
29...	52	45	53	37	60	46	84	45	50	41	72	43	57	43	89	61	78	50	60	39	85	55	63	29	81	49	60	40
30...	60	30	63	29	70	30	61	33	68	31	63	39	62	34	67	41	65	36	66	31	66	43	63	33	61	44	61	37
31...																												
Mns	61.0	30.6	59.3	30.1	63.0	31.3	66.0	32.3	55.9	30.6	62.7	37.6	56.1	32.1	64.5	36.8	63.7	37.5	60.8	32.2	66.0	37.0	61.3	33.8	63.6	38.4	60.8	33.9

Date.	Wisconsin.														Iowa.													
	Delavan.		Eau Claire.		La Crosse.		Madison.		Mauston.		Spooner.		Wausaw.		Algona.		Cedar Rapids.§§		Charles City.		Davenport.		Des Moines.		Dubuque.		Keokuk.	
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.
1...	72	38	64	43	65	44	67	42	66	42	59	37	62	42	63	35	73	37	66	35	70	44	73	40	71	43	71	44
2...	74	38	74	32	76	37	71	41	75	29	70	32	64	38	75	40	75	41	73	41	72	51	74	42	73	43	73	49
3...	70	48	74	43	75	55	68	49	71	50	70	49	68	45	73	49	77	46	74	49	74	55	74	51	73	54	73	54
4...	76	55	77	52	80	49	76	55	80	50	76	48	71	48	69	45	80	57	77	41	77	59	73	50	78	61	77	60
5...	67	51	61	39	49	42	62	37	72	50	49	33	70	38	53	34	46	44	45	40	59	38	52	37	61	38	60	39
6...	55	32	62	30	59	34	52	33	56	33	57	28	68	32	61	37	58	36	61	32	58	35	62	37	57	34	59	38
7...	61	27	67	30	67	31	60	34	64	29	66	34	60	28	74	37	68	35	67	32	65	39	69	38	64	35	67	38
8...	74	38	68	44	68	48	71	40	70	47	65	35	67	38	68	40	71	35	68	40	73	51	72	48	70	51	77	55
9...	73	36	72	37	74	41	72	48	75	39	70	38	70	37	79	42	80	44	78	38	75	45	79	43	76	45	76	46
10...	75	39	82	41	81	43	75	44	80	39	79	34	70	41	85	45	80	44	78	45	78	50	80	49	77	46	80	50
11...	74	40	74	41	70	40	65	35	67	43	48	33	68	40	77	54	75	47	74	42	75	45	72	54	75	40	73	54
12...	50	32	60	32	59	33	51	31	58	28	59	27	56	27	65	38	61	38	60	35	58	38	62	40	57	36	66	43
13...	67	28	71	43	71	43	66	34	70	34	74	44	68	37	75	39	71	37	70	38	70	36	72	42	68	36	70	39
14...	74	39	73	43	73	45	71	44	70	36	73	50	72	40	75	50	75	38	73	48	74	50	74	53	73	46	73	51
15...	77	56	69	55	70	43	72	51	72	56	67	43	71	50	62	35	66	50	59	36	71	45	59	40	70	43	70	54
16...	63	34	55	30	43	26	51	26	62	31	44	31	70	39	37	24	38	37	36	24	45	31	40	26	43	27	58	31
17...	39	30	38	20	33	23	35	26	36	24	37	22	50	25	37	21	34	36	33	22	35	27	33	22	33	26	37	27
18...	40	28	44	30	44	26	44	29	46	28	40	28	50	30	42	28	42	26	42	29	43	30	43	29	43	29	38	27
19...	50	37	53	33	49	34	44	39	47	35	51	31	50	34	55	33	45	31	53	33	45	39	56	35	44	38	43	38
20...	62	30	69	28	67	29	61	36	65	29	67	29	64	27	73	28	66	32	64	27	64	34	71	33	64	33	65	31
21...	65	30	71	39	70	39	64	40	67	31	71	42	65	37	78	48	71	33	69	44	68	41	74	48	67	39	69	47
22...	57	37	65	33	52	26	48	29	61	39	47	22	64	34	60	33	52	46	55	25	58	32	56	34	59	30	63	47
23...	37	22	34	20	31	20	30	19	45	19	31	17	60	24	35	24	33	26	31	22	32	22	36	28	30	22	47	26
24...	40	15	39	30	43	39	41	21	42	26	43	27	62	27	45	30	46	24	47	27	40	23	49	29	45	23	38	23
25...	38	29	62	36	59	32	45	30	55	30	55	28	50	29	57	31	50	29	57	35	45	32	56	34	50	31	42	32
26...	46	33	73	41	70	44	51	35	62	39	70	35	64	38	72	40	65	33	70	45	58	38	71	46	60	40	64	40
27...	63	42	83	40	82	45	65	46	75	45	67	37	68	42	84	44	81	44	83	41	72	47	83	46	74	45	74	46
28...	74	42	79	43	88	46	77	42	74	42	70	37	67	37	95	52	88	50	91	53	82	54	91	56	82	54	83	56
29...	84	61	87	46	93	52	83	58	87	49	76	40	69	40	90	60	90	56	92	54	87	62	92	56	87	60	90	65
30...	75	44	73	41	56	45	58	45	80	45	62	40	73	41	60	43	59	49	54	43	62	47	62	49	60	48	83	54
31...																												
Mns	62.4	37.0	65.8	37.2	63.9	38.1	59.9	38.0	65.0	37.2	60.4	31.0	64.4	36.2	65.8	38.6	63.9	39.0	63.3	37.2	62.8	41.3	65.3	41.2	62.8	39.9	65.2	43.5

TABLE 3.—*Maximum and minimum temperatures at selected stations, April, 1910. District No. 5*—Continued.

Date.	Hannibal, Mo.		Laporte, Ind.		Illinois. Cairo.		Greenville.		La Salle.		Monmouth.		Mt. Vernon.§§		Peoria.		Springfield.		Winnebago.	
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.
1	71	36	69	36	71	54	73	45	71	41	73	40	75	41	70	37	70	44	72	36
2	73	42	73	40	71	53	70	46	74	45	74	43	75	41	73	41	74	45	74	46
3	73	57	72	48	71	58	72	54	74	54	76	53	78	41	75	54	72	55	71	50
4	77	57	74	55	77	61	73	60	76	56	79	60	78	52	77	60	76	58	79	56
5	57	35	70	52	65	46	67	46	66	42	69	45	67	60	62	43	66	39	68	48
6	59	40	54	32	60	46	54	40	54	38	61	38	52	41	56	37	56	40	56	33
7	69	34	48	31	68	43	69	37	63	33	69	34	71	35	65	33	67	42	65	30
8	77	51	73	34	76	49	77	45	77	44	78	47	78	41	76	48	77	48	76	40
9	74	44	64	40	79	55	79	51	75	46	79	42	81	50	75	43	75	52	75	41
10	80	46	78	44	78	56	82	53	80	47	82	44	81	48	80	44	78	52	81	44
11	71	54	82	44	66	60	70	55	76	44	76	52	78	53	73	46	75	53	81	43
12	63	46	58	34	65	57	65	51	57	35	63	40	65	54	61	41	64	44	56	33
13	71	43	67	34	73	51	75	41	70	32	73	34	72	43	70	35	71	38	70	29
14	72	54	79	42	81	57	79	53	78	43	77	46	79	46	78	49	78	49	77	35
15	71	48	.....	.....	80	60	78	57	75	52	73	53	78	57	75	50	70	53	75	55
16	48	33	.....	.....	64	44	64	39	52	35	64	33	60	54	50	35	53	35	60	33
17	37	29	.....	.....	59	43	42	35	40	33	35	28	56	35	39	32	40	32	37	30
18	40	30	39	31	47	38	40	33	41	30	43	28	44	35	42	29	39	31	46	28
19	44	40	39	34	55	38	55	34	49	36	43	36	57	34	48	35	50	34	46	37
20	66	32	48	34	60	41	64	37	62	34	67	33	65	38	63	33	64	36	61	31
21	72	42	64	33	74	45	74	40	68	36	71	38	73	36	69	34	69	40	68	33
22	65	36	65	35	70	48	69	45	62	35	62	45	73	40	59	35	69	39	63	41
23	36	27	37	27	50	36	46	29	35	22	48	25	45	32	35	23	39	25	45	21
24	39	24	38	25	40	28	42	25	36	21	38	20	41	27	39	22	40	22	36	15
25	43	33	41	31	51	34	46	31	42	32	42	30	55	28	42	33	42	34	39	30
26	59	38	48	31	46	38	47	36	50	37	60	39	50	33	50	38	50	38	49	33
27	74	43	55	35	63	46	63	45	62	46	74	44	61	37	66	47	63	48	67	45
28	83	54	73	39	74	46	77	44	81	50	84	50	79	46	80	47	80	48	81	49
29	92	63	72	44	84	58	86	61	88	62	91	63	86	41	89	59	89	61	87	60
30	74	56	71	42	81	64	85	61	72	44	81	51	82	59	72	47	77	52	73	45
31	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Means	64.3	42.3	61.1	37.3	66.6	48.4	66.1	44.3	63.5	40.2	66.8	41.1	67.8	42.6	63.6	40.3	64.4	42.9	64.5	38.3