CLIMATOLOGICAL DATA FOR MARCH, 1911.

DISTRICT NO. 7, LOWER MISSISSIPPI VALLEY.

ISAAC M. CLINE, District Editor.

GENERAL SUMMARY.

Cool weather prevailed during the early part of the month, and the monthly minimum temperatures were recorded at nearly all stations on the 1st. Temperatures below zero occurred in parts of Oklahoma, and in the Colorado, New Mexico, and Kansas areas, and below freezing as far south as northern Louisiana. From the 6th to 14th high temperatures prevailed, and maximums above 90° were recorded at some stations in each State or area, except in the Colorado, New Mexico, and Kansas areas, where they were above 80°. From the 15th to 18th there was another cool period, giving light frosts, with minimum temperatures below 40° as far south as central Louisiana. From the 19th to 27th moderate temperatures prevailed, but from the 28th to 31st cool weather was again general, with minimum temperatures below 40°, as a rule, as far south as the thirty-first parallel.

Periods of precipitation were not well defined, and it is not practicable to generalize for the district as a whole. In the Colorado area, speaking broadly, there were five—4th–6th, 10th–12th, 17th–18th, 21st–22d, and 28th. Light amounts occurred at one or more stations on each day of the month, except that there was no precipitation within the area on the 31st, and the amounts were generally below the normal in most localities. In the New Mexico area there were no well-defined periods of precipitation. Light amounts occurred at one or more stations every day, except on the 2d, 3d, 8th, 15th, and 26th to 31st. The monthly amounts were generally below the normal and insufficient for agricultural interests. In the Texas area there were two periods of light, scattered showers—1st and 18th–26th. The amounts were below the normal at all stations. In the Kansas area there were five periods of light, scattered precipitation—5th–6th, 11th–12th, 17th–22d, 26th, and 28th. The amounts were below the normal, except at a few stations in the western portion of the Arkansas Valley proper. In Oklahoma there were three periods of light, scattered precipitation, as follows: 1st, 17th–18th, and 21st–26th. At a few stations light precipitation occurred on other dates also. The monthly amounts were small, being much below the normal at all stations. In the Missouri area there were six periods of precipitation, viz: 1st, 5th–7th, 17th–18th, 21st–22d, 25th–26th, and 28th–29th. The amounts were light and insufficient for agricultural needs, being much below the normal at all stations. In the Tennessee area there were four periods of precipitation—1st, 5th–8th, 18th–19th, and 26th–29th. The monthly amounts were generally small and were much below the normal. In Arkansas there were six periods of light precipitation, as follows: 1st, 4th–6th, 12th, 17th–19th, 22d–23d, and 25th–29th. The monthly amounts were much below the normal at all stations, the deficiency ranging from 1 to more than 4 inches, the most marked deficiencies being generally in the northern portion of the State. In the Mississippi area there were seven periods of precipitation, as follows: 1st, 4th–5th, 13th, 18th–19th, 22d–23d, 25th–26th, and 29th. The precipitation was generally less than 2 inches, and the monthly amounts were much below the normal. In Louisiana, speaking broadly, there were only two periods of precipitation—1st and 18th–20th, although light, scattered showers occurred on several other dates. The monthly amounts were small in most cases and below the normal, except that there was a slight excess at a few stations in the southeastern portion of the State. Considering the district as a whole, the monthly precipitation was light, scattered, and generally insufficient for agricultural interests.

TEMPERATURE.

Mean temperatures for the month were above the normal, the departures ranging from +1.4° to +6.4°. The coldest portion of the district was the Colorado area, with a mean temperature of 40.4°. The warmest was Louisiana, with a mean of 64.6°. The warmest weather occurred generally on the 9th, 10th, or 11th, and the monthly maximum temperatures were above 80° in all States or areas, and above 90° in Arkansas, Louisiana, Oklahoma, and in the Texas, Missouri, and Mississippi areas. The highest temperature for the district, 97°, occurred at Durant and Healdton, Okla. A maximum temperature of 96° was recorded at Henrietta, Tex., and 95° at Monroe, La. Minimum temperatures were below zero at some stations on the 1st in Oklahoma and the Colorado, New Mexico, and Kansas areas, and they were below 40° southward into northern Louisiana. The lowest temperature recorded during the month was −10°, at Elizabethtown, N. Mex., and a minimum of −6° was recorded at Salida, Colo. Taken as a whole, temperature conditions were favorable for all interests and outdoor work was not interfered with to any appreciable extent by severe cold.

Monthly mean temperatures and departures from the normal for the various States and parts of States are reported as follows: Colorado area, 40.4°, +3.4°; New Mexico area, 45.8°, +2.2°; Texas area, 53.8°, +3.4°; Kansas area, 48.8°, +4.3°; Oklahoma, 55°, +3.1°; Missouri area, 49.8°, +2.3°; Tennessee area, 53.4°, +2.5°; Arkansas, 56.6°, +3.7°; Mississippi area, 59.3°, +2.1°; Louisiana, 64.6°, +3.2°.

PRECIPITATION BY DRAINAGE AREAS.

Arkansas River and tributaries.—Less than the normal amount of precipitation occurred throughout this drainage area, except in scattered localities in Colorado and

Kansas. Over the headwaters of the Arkansas River, in Colorado, the average from 35 stations was 1.11 inches, being about 0.2 inch below the normal. The precipitation was exceptionally light over those portions of the Arkansas Valley proper that lie in Kansas and Oklahoma, and also over the Cimarron and Canadian Valleys. The average from 42 stations in the Arkansas Valley proper in Kansas and Oklahoma was 0.38 inch, being 1.2 inches below the normal. The average from 19 stations in the Cimarron Valley was 0.15 inch and the deficiency amounted to about 1.3 inches. The precipitation was uniformly distributed over the Canadian Valley, the average from 65 stations being 0.41 inch, with a deficiency of about 0.4 inch over that portion which lies in New Mexico and about 1.4 inches over that portion lying in Texas and Oklahoma. The precipitation from 9 stations in the Verdigris Valley averaged 0.44 inch, about 1.8 inches below the normal, and the amounts from 14 stations in the Neosho Valley averaged 1.22 inches, about 1.5 inches below the normal. Over that portion of the Arkansas Valley below the Oklahoma-Arkansas line the precipitation was uniformly distributed but light, the average from 15 stations being 2.36 inches, about 2.5 inches below the normal.

Red River and tributaries.—Over those portions of this drainage area which lie in New Mexico, Texas, and Oklahoma the precipitation was very light, the average from 40 stations being 0.69 inch, about 1.4 inches below the normal. Below the Texas-Arkansas line the amounts were heavier, the average from 18 stations being 2.34 inches, about 2.2 inches below the normal.

Mississippi south of St. Louis and small tributaries.—About half the normal amount of precipitation occurred over this drainage area, but the amounts for the several valleys and the departures from the normal vary materially. In the immediate Mississippi Valley the amounts from 41 stations averaged 1.67 inches, about 3.2 inches below the normal. Over the Valley of the Meramec the precipitation averaged about 1.5 inches below the normal. The average from 19 stations in the White River Valley was 1.74 inches, about 2.9 inches below the normal. The average from 30 stations in the Yazoo Valley was 2.93 inches, about 3.3 inches below the normal. Light precipitation occurred over the Valley of the Big Black, where the average was 1.62 inches, about 4.1 inches below the normal. Over the Ouachita Valley the average from 21 stations was 2.31 inches, about 3.1 inches below the normal.

Louisiana coastal plain.—More than the normal amount of precipitation occurred at a few stations in this drainage area, but generally there was a deficiency. The amounts from 30 stations averaged 2.96 inches, about 1.2 inches below the normal.

Monthly precipitation and departures from the normal for the various States and parts of States (in inches) are reported as follows: Colorado area, 1.08, −0.30; New Mexico area, 0.33, −0.37; Texas area, 0.80, −1.38; Kansas area, 0.34, −1.24; Oklahoma, 0.44, −1.60; Missouri area, 1.67, −2.31; Tennessee area, 1.72, −3.16; Arkansas, 2.17, −2.70; Mississippi area, 2.53, −3.75; Louisiana, 2.71, −1.76.

SNOWFALL.

Over eastern Oklahoma, the larger part of the Texas area, and Arkansas, Louisiana, and the Tennessee and Mississippi areas no snow occurred. In northwestern Oklahoma, the Texas Panhandle, and the northern and eastern portions of the Kansas area there was light snow, the amounts ranging from a trace to 5.5 inches, and in the Missouri area the snowfall was heavier, ranging from a trace to 8 inches, but over these areas the snow did not remain long and at the close of the month the ground was bare. In Colorado the snowfall in the mountainous districts ranged from 2 inches to 37.5 inches, but was generally below the average. The high temperatures have caused the snow to melt rapidly and the prospect for a late flow of irrigation water was not as good as at the opening of the month. In the New Mexico area little, if any, snow was added to the stored depth; on the contrary, the high temperatures which prevailed dissipated most of the snow over the southern mountains and at all lower levels of the northern mountains, causing high water in the irrigation streams too early for a long-continued flow. The late flow therefore will be generally light unless maintained by good rains in the spring and early summer. However, the soil is generally well filled with moisture, giving promise of a very successful year from an agricultural viewpoint. The average snowfall (in inches) for the various States and parts of States, derived from the records of such stations as reported snow, is as follows: Colorado area, 32 stations, 13.4; New Mexico area, 22 stations, 1.6; Texas area, 2 stations, 3.2; Kansas area, 18 stations, 0.3; Oklahoma, 7 stations, 0.1; Missouri area, 16 stations, 2.

RIVERS.

In Oklahoma all streams were low for this season of the year, and there were no material changes in the stages during the month.

Only slight changes occurred in the Red River, there being a steady fall at nearly all stations, and low stages prevailed at the close of the month.

No changes worthy of note occurred in the stages of the upper Arkansas River. The lower Arkansas was below the normal during the greater part of the month.

Low stages prevailed generally in the upper White. The lower White at Clarendon rose from a stage of 23.4 on the 1st to a maximum of 23.9 on the 5th, after which it fell gradually to a stage of 13.6 feet on the 31st.

With the exception of a few slight rises, the Ouachita fell throughout the month.

There was a slight rise in the Mississippi below St. Louis during the first decade and again during the latter part of the second and first part of the third decade, otherwise there was a general fall and low stages prevailed at the close of the month.

NOTES.

Tulia, Tex.—There has been very little wind and the weather has been favorable. Wheat and oats are doing well.

Winfield, Tex.—Weather conditions have been very favorable for planting corn, and a good stand is being secured.

Kansas (T. B. Jennings, section director).—Weather conditions have been favorable, except that an unusual wind and dust storm, on the 26th, was detrimental to farming interests and traffic was temporarily interfered with.

Oklahoma (J. Pemberton Slaughter, section director).—The soil is again becoming dry and rain would be beneficial, especially in the central and western counties. An unusually severe dust and sand storm prevailed over the entire State on the 26th. The dust was so dense as to obscure the sun during a part of the afternoon.

Missouri (George Reeder, section director).—Wheat is reported to be in good condition. Elberta peach buds, which had been forced by the warm weather, were impaired by the low temperatures of the 16th. The weather has been unusually favorable for outdoor occupations.

Mississippi (J. H. Scott, section director).—With the exception of 1910, this has been the driest March of record. The temperature was higher than usual.

ORIGIN AND PROGRESS OF LAND DRAINAGE IN BOLIVAR COUNTY, MISS.

By W. W. BOONE, Chief Engineer Bolivar County Drainage Commission.

In telling of the movement for land reclamation by drainage in Bolivar County, Miss., the writer deems it proper to give the reader at least a passing acquaintance with the previous history and character of the lands under discussion. Without going back farther than the advent of the white man into this territory, we will begin 50 years ago, when the Mississippi River was spreading her annual flood waters without human restrictions over the great and fertile Yazoo-Mississippi Valley, and each year adding to the vast store of natural wealth in the fabulous richness of her "delta" soil.

About 1858 the first organized effort in the State of Mississippi was made for protection from this yearly flood, when an act was passed by the State legislature creating the "general levee board." And then, down through all the successive stages of its development, the levee has grown, until to-day we have a system of levees along our river front the grade of which is 5 feet above the high-water grade line of the river.

Previous to the completion of the levees a majority of the planters in clearing their ridge land for cultivation had used the winding bayous or sloughs through their property as a dumping ground for the logs to be removed from the clearing. So that upon the completion of the levees the planters found that their natural drainage channels were totally inadequate to remove the heavy rainfall which floods all the lowlands during the spring and winter months. They then saw, too, that their natural drainage channels were fast filling up, or were already filled up, with tree tops, logs, and small débris, the aftermath of a great timber industry that had flourished in this section. The flood water of the Mississippi River had previous to the completion of the levees served to gather up and bear away on its tide this congestion of drift, brush, and débris, but since they had wisely chosen to exclude this natural flushing system from their domain, the planters were now confronted with the fact that they must turn to artificial means for the improvement of their drainage outlets. Still another and a greater reason for drainage, however, was the fact that with a rapidly increasing population, and a period of industrial prosperity being enjoyed throughout the entire country, the time was ripe and conditions demanded that the thousands of acres of rich swamp and timbered lands lying useless and a burden for the lack of drainage be reclaimed and turned into channels of usefulness.

The question of drainage was agitated by the people of the Yazoo-Mississippi Valley for several years, which movement crystallized into the passage of the "Alcorn drainage law" by the State legislature in 1906. Aside from this general drainage law, a number of special acts creating drainage districts in different parts of the State were passed.

By the right expressed in this general drainage law the first step for organized drainage in Bolivar County was taken at a meeting of the leading citizens of the county at the county seat, Cleveland, in the spring of 1907, when petitions were put in circulation requesting the courts to organize a drainage district embracing specified lands in the east end of Bolivar County. The Bogue Hasty and Northern drainage districts were thus formed from lands lying for the most part between a large stream, the Bogue Phalia, on the west and the Yazoo & Mississippi Valley Railroad on the east. The total area of the two districts taken together was 146,000 acres.

Through the efforts of local landowners a party of engineers from the United States Department of Agriculture, Office of Experiment Stations, were sent on October 7, 1907, to make an investigation of the possibilities for drainage within the area proposed to be drained. These engineers spent four months in making preliminary surveys, and on October 3, 1908, submitted to the regularly appointed drainage commissioners of Bolivar County their plan of relief for the territory covered and the estimated cost of same.

The general plan recommended by the Government engineers was followed as to the location of the ditches, but it is a matter of much regret that their estimates as to the cost of completing the work fell far short of what the work is actually costing the drainage districts. To illustrate: Right-of-way clearing on the Bogue Phalia, which they estimated to cost $300 per mile, is actually costing $1,100, and right-of-way clearing on east Bogue Hasty, which they estimated to cost $200 per mile, is actually costing $375. This underestimation of the cost of completing the work in hand would have been a source of much confusion had not this mistake been detected by the drainage commissioners before they made their assessment.

The estimated cost submitted in the report of the engineers of the United States Department of Agriculture was increased 35 per cent by the board of drainage commissioners and their assessment made accordingly, the total assessment on the 146,000 acres being $335,857.50. These figures give an average assessment of about $2.30 an acre. The assessment roll was approved on the 18th of August, 1909.

Twenty-year bonds bearing 6 per cent interest were next issued in the sum of 80 per cent of the assessment. But before the bond sale could be made Hon. Thos. S. Owen, attorney for the drainage commissioners, framed a friendly suit and brought it before the supreme court of the State, this action being necessary before the approval of the bond attorneys could be had. The supreme court ruled in favor of the drainage district, after which the bonds were sold at their par value in April, 1910.

On April 18, 1910, the writer was employed as engineer for the drainage commission, the location of the canals was at once made, and on July 5 contract was let to R. H. & G. A. McWilliams, of Chicago, Ill., for the excavation of 1,155,000 cubic yards of earth at the conservative price of 9.65 cents per cubic yard. All of the contracts were subsequently let for the 85 miles of canal surveyed, at prices ranging from 10 to 15 cents per cubic yard of excavation. The total yardage for the entire work is 2,942,000 cubic yards, for ditches varying from 20 to 100 feet wide. There are now five dredge boats in the district, with two others to be erected within the next

TABLE 1.—*Climatological data for March, 1911. District No. 7, Lower Mississippi Valley.*

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahrenheit.							Precipitation, in inches.				Number of rainy days, 0.01 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.		
Colorado.																				
Blaine	Baca	3,935	19	46.4	+ 3.8	81	10	0	1	49	0.05	− 0.70	0.05	T.	1	11	18	2	w.	M. M. Myers.
Buena Vista	Chaffee	7,955	11	34.8	− 2.0	59	29	− 2	1	43	2.03	+ 1.55	1.21	24.5	3	19	10	2	nw.	C. A. Short.
Calhan	El Paso	6,700	4	40.2		65	30	13	27	48	.31		.25	2.5	2	26	2	3	sw.	H. B. Rice.
Canon City §§	Fremont	5,343	23	46.8	+ 3.6	75	29	8	1	46	.58	− .24	.29	.5	6	23	4	4	n.	G. C. Sherwood.
Colorado Springs	El Paso	6,098	31	41.6	+ 4.3	66	8†	9	1	46	.42	− .33	.28	1.0	4	18	9	4		Colorado College.
Cripple Creek	Teller	9,396	10								1.27	− .02	.50	19.0	6					F. G. Willis.
Cuchara Camps	Huerfano	8,200	2								.12		.06	2.0	3	25	6		sw.	George A. Mayes.
Eads	Kiowa	4,209	4	44.7		76	20	0	1	51	.25		.25	0.0	1				sw.	W. H. Lauck.
Fairview	Custer	9,500	2								4.33		.75	51.6	7	14	15	2	e.	Elizabeth L. Gray.
Fremont Experiment Station.	El Paso	8,850	1	32.8		54	29	6	26	39	1.67		.80	20.8	6	25	6	0	w.	U. S. Forest Service.
Garfield	Chaffee	9,510	1								2.52		.55	25.0	10	15	11	5		Lloyd N. Felton.
Hamps	Elbert	5,400	18	40.2	+ 3.8	70	8†	0	1	54	T.	− .96	T.	.2	0	24	5	2	s.	W. Hamp.
Hermit Lake	Custer	10,000	1								5.66		1.71	60.0	11	10	13	8	sw.	John E. Graham.
Hoehne	Las Animas	5,700	19	41.7[h]	+ 1.3			6	1		.10	− .57	.06	.5	2	20	7	4	sw.	S. W. DeBusk.
Holly	Prowers	3,380	16	47.8	+ 2.2	79	20	− 1	1	56	.46	− .02	.35	.0	2	20	9	2		Holly Sugar Co.
La Junta	Otero	4,052									T.		T.	T.	0	29	2	0	e.	Fred B. Mason.
Lake Moraine	El Paso	10,265	17	29.4	+ 3.3	49	29	3	13	40	2.13	+ .24	.90	19.8	10	7	17	7	sw.	Clyde C. McReynolds.
Lamar	Prowers	3,592	21	49.8	+ 6.0	81	20	2	1	56	.27	− .63	.27	.0	1	26	4	1		J. T. Lawless.
Las Animas	Bent	3,899	43	48.2	+ 6.8	79	10†	2	1	60	.24	− .29	.24	.0	1	13	9	9	ne.	F. M. Tague.
La Veta Pass	Costilla	9,000	1								.58		.34	7.4	3	15	15	1	w.	Marine D. Wright.
Leadville	Lake	10,248	15	27.5	+ 3.6	50	19	1	26	41	1.43	− .44	.33	17.8	8	7	14	10	n.	U. S. Weather Bureau.
Limon (near)	Elbert	5,360	4	40.6		69	8†	3	1	53	.09		.06	T.	2	27	2	2	nw.	F. L. Palmer.
Madrid	Las Animas		1								.19		.15	T.	2					Thos. Sawyers.
Marshall Pass	Saguache	10,846	8								1.07		.26	28.0	10	11	10	10	w.	William D. Lillard.
Monument	El Paso	7,200																		U. S. Forest Service.
North Lake	Las Animas	8,700	1								.44		.35	8.5	2	26	3	2	nw.	James W. Ingmire.
Pueblo	Pueblo	4,734	23	46.5	+ 5.9	75	29	2	1	49	.29	− .23	.13	.6	5	13	15	3	nw.	U. S. Weather Bureau.
Rocky Ford	Otero	4,177	22																	P. K. Blinn.
St. Elmo	Chaffee	9,500	2								2.95		.65	37.5	9	11	11	9	nw.	Daniel Clark.
Salida §§	do	7,035	12	38.2	+ 1.0	63	29	− 6	1	50	1.45	+ .68	1.00	10.0	3	25	4	2	w.	M. D. L. Buell.
Santa Clara	Huerfano	8,252	16	38.4[e]	+ 3.3	64	30	12	1†	42[e]	.62	− 1.20	.18	10.7	6					Lincoln G. Morris.
Sheridan Lake	Kiowa	4,065	9																	Howard Gamble.
Stonewall	Las Animas	8,000	5								.35		.17	5.5	3	20	9	2		Mrs. J. W. Shouse.
Trinidad	do	5,994	15								.25	− .30	.25	1.0	1	27	2	2		Mrs. Mattie H. Butler.
Victor (near)	Teller	10,100	7	33.6		50	6†	6	26	41	.76		.35	10.0	3	21	7	3	e.	Fred Jones.
Vilas	Baca	3,935	20																	Carrie Konkel.
Wayne	El Paso																			J. C. Groff.
Westcliffe	Custer	7,864	17	37.7	+ 4.2	66	11	2	1	45[a]	1.27	+ .01	.55	14.0	5				nw.	Zack Jordan.
Winfield	Chaffee	9,765	1								1.32		.25	7.8	12	3	24	4	w.	John G. Payne.
Woodman Sanatorium.	El Paso			42.0		66	10†	12	27	46	.88		.33	7.2	5	4	9	18		Dr. J. E. White.
Wortman	Lake	11,250	10								2.48	− 1.95	.51	36.1	10	3	16	12	nw.	George C. Wortman.
New Mexico.																				
Abbott	Mora	5,771	2	48.0		80	10	0	1	50	T.		T.	T.	0	20	9	2	w.	Agent, E. P. & S. W. R. R.
Albert	Union	4,700	20	50.4	+ 2.0	79	9†	11	1	48	.00	− .48	.00	.0	0	25	4	2	w.	Andrew Knell.
Arch (near)	Roosevelt	4,634	2	44.8		81	10	16	2	51	1.51		.90	.0	3	19	0	12	w.	Wm. A. Elliott.
Aurora	Colfax	8,849	2								.68		.30	7.0	7	1	25	5	nw.	Miss J. Lucero.
Bell Ranch	San Miguel	4,500	12	51.0		81	9†	− 1	1	49	T.	− .41	T.	.0	0	16	10	5	w.	C. M. O'Donel.
Black Lake	Colfax	8,348	2								.72		.36	4.8	4	8	19	4	w.	R. T. Martinez.
Cabeza	San Miguel	5,406	2								.00		.00	.0	0	15	14	2	sw.	Agent, E. P. & S. W. R. R.
Campana	do	4,493	2								.05		.03	.0	2	10	16	5	w.	Do.
Chacon	Mora	9,000	2								.67		.20	3.5	4	8	19	4	w.	Alfred Lucero.
Cimarron (near)	Colfax	6,385	7	44.1		72	29	0	1	47	.56		.24	8.0	4	12	12	7	w.	Wm. French.
Clayton	Union	5,178	6								T.		T.	T.	0					Dr. W. W. Chilton.
Clovis	Curry	4,129																		C. R. Worrall.
Cuervo	Guadalupe	4,849	2	52.3		80	10	21	1	42	.27		.14	.0	2	16	13	2	sw.	Agent, E. P. & S. W. R. R.
Dawson	Colfax	6,396	2								.40		.24	2.7	3	12	13	6		Do.
Elizabethtown	do	8,465	5	33.3		57	28†	− 10	1	49	4.03		.75	15.0	9	17	9	5	nw.	Miss M. Carrington
Folsom	Union	6,399	11	43.4	+ 3.5	73	29	10	1	52	.21	− .48	.10	1.9	4	14	16	1	sw.	David Rope.
Fort Union	Mora	6,835	51	40.5	− .4	70	9	− 5	1	49	.05	− .47	.05	T.	1	21	1	9	w.	M. C. Needham.
Hayden	Union	4,444	1	48.7		79	10	11	1	45	.11		.11	.0	1	13	15	3	sw.	James B. Dickson.
Johnsons Park	Colfax	6,722	2								.42		.25	2.0	3	18	9	4	sw.	A. J. Meloche, jr.
Kappus	Quay	4,000									.35		.30	.0	2					Anthony Kappus.
Lake Alice	Colfax	7,160	2																	Raton Water Co.
Logan	Quay	3,851	5	50.4[e]		84	10	4	1	49	.07		.07	.0	1	27	2	2	sw.	John B. Reneau.
Los Alamos	San Miguel	6,789	6								.02		.02	.0	1					Wm. Frank, sr.
Lykins (near)	Roosevelt	5,000	1								.17		.09	.5	2	20	8	3	sw.	J. G. Buchanan.
Maxwell (near)	Colfax	5,894	4								.09		.06	1.5	2					D. N. Jackson.
Melrose	Curry	4,400	3								.34		.18	.0	4					Dr. B. M. Porter.
Miama Ranch	Colfax	6,000	3	43.7		72	12†	6	1	47	.18		.18	2.0	1	6	24	1	w.	Farmers' Development Co.
Montoya	Quay	4,335	2								.20		.10	.0	2	1	25	5	w.	Agent, E. P. & S. W. R. R.
Mount Dora (near)	Union	5,600									.05		.05	.5	1	17	9	5	sw.	Edwd. F. Grygla.
Nara Visa	Quay	4,225	5	50.4		81	10	10	1	44	.54		.54	.0	1	23	8	0	sw.	Geo. Bringle.
Optimo	Mora	6,400	1																	R. K. Odell.
Pasamonte	Union		1								.00		.00	.0	0	11	20	0	w.	J. J. Heringa.
Raton	Colfax	6,660	13	44.5	+ 3.6	72	29	15	1	46	.50	− .04	.38	3.8	3	21	5	5	s.	Prof. R. C. Crum.
Rociada	San Miguel	8,200	7	41.4		66	30	− 7	1	54	.58		.50	7.0	2	7	21	3	w.	Jose A. Baca.
Rosebud	Union	4,500									.22		.16	.0	2					H. A. Nachtrieb.
Roy	Mora	5,884	2								T.		T.	.0	0	8	20	3	sw.	Agent, E. P. & S. W. R. R.
San Jon	Quay	4,200	4	51.2		82	10	14	1†	46	.03		.01	.0	3	20	7	4	sw.	Jesse T. White.
Solano	Mora	5,622	2	45.9		74	9	12	1	43	.14		.14	2.0	1	25	4	2	sw.	F. M. Hughes.
Springer	Colfax	5,857	15	44.5	+ 2.2	75	29	4	1	45	T.	− .36	T.	T.	0	29	2	0	w.	Agent, A. T. & S. F. R. R.
Taylor	do	5,661	2								.00		.00	.0	0	10	17	4	sw.	Agent, E. P. & S. W. R. R.
Trementina	San Miguel	5,000	3								.12		.07	.0	2	4	20	7	e.	Miss Alice Blake.
Tucumcari	Quay	4,194	6	52.8		83	10	8	1	41	.17		.10	.0	2	22	7	2	sw.	John F. Seaman.
Valley	Union	5,000	6								.17		.16	2.0	2	21	8	2	s.	Miss M. L. Payne.
Vance (near)	do										.16		.16	.0	1				sw.	C. E. Anderson.
Vermejo Park	Colfax	7,600	6	39.0		65	10†	0	1	48	.41		.25	5.0	2	20	8	3	w.	H. W. Adams.
Wagon Mound (near)	Mora	6,300	2	41.6		72	9†	− 5	1	50	T.		T.	T.	0	16	9	6	sw.	Guy L. Barnes.
Texas.																				
Amarillo	Potter	3,676	19	51.4	+ 6.4	83	9	21	1	42	.50	− .15	.50	.0	2	25	6	0	s.	U. S. Weather Bureau.
Archer City	Archer		1								.08		.08	.0	1	23	5	3	s.	Chas. H. Thuman.
Arthur City	Lamar	590	19								2.05	− 2.29	.70	.0	4	19	2	10		V. V. Bright.

TABLE 1.—*Climatological data for March, 1911. District No. 7*—Continued.

Stations.	Counties.	Elevation, feet.	Length of record, year	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, 0.01 inch or more.	Sky. Number of clear days.	Number of partly cloudy days.	Number of cloudy days.	Prevailing wind direction.	Observers.
***Texas*—Continued.**																				
Bonham	Fannin	566	8																	R. A. Lovelace.
Canadian	Hemphill	2,339	4	53.4		85	11	19	1	42	0.02		0.02	0.0	1	29	1	1	s.	Canadian Academy.
Childress	Childress	1,869	18																	W. E. Davis.
Cnillicotne	Hardeman	1,406	3								.12		.10	.0	2	16	11	4	ne.	A. B. Connor.
Clarendon	Donley	2,719	6	55.8		91	9	21	1	47	.15		.15	.0	1	20	10	1	sw.	J. B. McClelland.
Clarksville	Red River	442	19	61.6	+ 2.0	89	8	29	2	44	2.12	− 2.47	.72	.0	4	16	10	5		J. W. O'Neill.
Claude	Armstrong	3,397	6								.74		.74	.0	1					Ft. W. & D. C. Ry.
Dalhart §	Dallam	3,998	6	47.0		81	10	0	1	47	.43		.33	.0	2	15	11	5	sw.	F. L. Kennard.
Denison	Grayson		3								.82		.44	.0	4	12	4	15	s.	E. B. Wilson.
Finley	Bowie		1								2.21		.68	.0	7	23	0	8	s.	Robt. L. Smith.
Henrietta	Clay	915	19	57.6	+ 2.5	96	9	25	3	48	.70	− 1.02	.45	.0	3	15	5	11	s.	C. K. Brown.
Hereford	Deaf Smith	3,750	6																	A. C. Elliott.
Lewis Ferry	Bowie		2								1.51		.51	.0	4	18	0	13		P. G. Ruff.
Memphis	Hall	2,067	6	54.6		82	10	25	1	40	.40		.40	.0	1	24	5	2		Ft. W. & D. C. Ry.
Miami	Roberts	2,743	5	53.0		85	11	22	1	43	.53		.53	.0	1	23	3	5	n.	J. E. Kinney.
Mooeetie	Wheeler		17																	Dr. W. J. Joss.
Nazareth	Castro		5	51.4		84	9†	18	1	48	.25		.25	.0	1	25	4	2	n.	Rev. P. A. Kaelin.
Ochiltree	Ochiltree		3								.21		.21	.0	1					S. J. Allen.
Pampa	Gray	3,226	2	51.6		79	10	20	1	41	.80		.55	5.5	2					B. E. Finley.
Paris	Lamar	592	22	59.2	+ 2.5	93	9	29	2†	44	2.02	− 1.38	.70	.0	5	16	3	12	n.	Robert A. Miller.
Plemons	Hutchinson		4	50.0		83	10	13	1	58	.18		.18	.0	1	24	4	3	sw.	C. S. Solomon.
Quanah	Hardeman	1,563	6	56.6		93	8	21	1	45	.00		.00	.0	0	29	0	2	s.	Wm. H. Crawford.
Ringo Crossing	Hopkins		1								2.48		1.16	.0	3	12	5	14	sw.	H. J. Palmer.
Romero	Hartley		1	50.0		81	10	4	1	43	.50		.50	.0	1	14	12	5	s.	R. S. Chamberlain.
Texline	Dallam	4,694	6					8	1		.10		.10	1.0	1	17	9	5	s.	Ft. W. & D. C. Ry.
Tulia	Swisher	3,501	13	52.0		86	10	21	27	51	.77	− .77	.76	.0	2	14	14	3	n.	Lou Mulhall.
Wichita Falls	Wichita	958	5								.25	− 1.61	.25	.0	1	29	0	2	s.	R. A. Thompson.
Winfield	Titus		1								1.79		.88	.0	5	20	4	7	s.	J. C. Bostick.
Kansas.																				
Alden	Rice	1,684	1								.11		.11	.0	1	18	0	13	s.	L. B. Wait.
Anthony	Harper	1,329	14	50.7	+ 4.2	81	20	15	1	41	T.	− 1.11	T.	.0	0	12	17	2	sw.	R. H. Beebe.
Ashland	Clark	1,951	23	50.8		82	11	5	1	48	T.	− .94	T.	.0	0	16	13	2	n.	C. W. Carson.
Burlington	Coffey	1,010	18	47.2	+ 2.2	83	20	9	2	47	.56	− 1.53	.40	T.	4	8	21	2	s.	O. E. Sanford.
Chanute	Neosho	940	7	49.1		82	11†	12	2	41	1.99		.58	.5	6	13	15	3	se.	C. W. Brown.
Cimarron	Gray	2,700	5	46.9[i]		78[i]	25	4	1	43[i]	.73		.70	.0	2	14[i]	8[i]	0[i]	se.	Fred Mallonee.
Coldwater	Comanche	2,090	14	49.8	+ 3.2	80	20	7	1	46	T.	− 1.20	T.	.0	0	19	11	1	s.	J. L. Stanley.
Columbus	Cherokee	898	21																	O. E. Skinner.
Coolidge	Hamilton	3,348	14	46.0	+ 5.1	83	20	0	1	57	.60	+ .40	.60	.0	1	22	9	0	nw.	W. R. Padley.
Cottonwood Falls	Chase	1,234	7	46.5		81	20	6	2	45	.23		.14	T.	4	19	7	5	n.	E. B. Greene.
Council Grove	Morris	1,234	2																	Jas. Sharpe.
Cunningham	Kingman	1,680	27	50.8	+ 7.6	81	20[a]	17	2	45	T.	− 1.16	T.	.0	0	13	13	5	ne.	W. H. Morton.
Dodge City	Ford	2,513	37	47.6	+ 5.9	78	20	6	1	43	.27	− .61	.27	T.	2	16	14	1	w.	U. S. Weather Bureau.
El Dorado	Butler	1,291	9	48.4		81	20	10	2	46	.13		13	.0	1	18	13	0	s.	W. Y. Miller.
Ellinwood	Barton	1,790	36	48.8	+ 7.2	82	20	5	1	50	.29	− .95	.17	T.	3	9	20	2	sw.	Martin Musil.
Emporia	Lyons	1,138	30	49.1	+ 6.9	81	20	11	1	37	.22	− 1.72	.12	.0	2	19	9	3	n.	W. H. Boyles.
Eureka	Greenwood	1,079	15	48.8		83	21	10	2	43	.16	− 1.79	.10		3	18	5	8	nw.	T. C. Teffer.
Fall River	do	925	15	48.7	+ 2.7	84	20	7	2	49	.60	− 1.81	.35	.0	3	18	11	2	s.	J. McDaniel.
Fargo	Seward		1								.05		.05	.0	1	26	2	3	s.	N. B. Swink.
Fredonia	Wilson	864	8	50.3		84	11	19	1	42	.76		.40	T.	5	19	6	6	ne.	B.W. Holmes.
Garden City	Finney	2,836	22	47.4	+ 4.1	80	20	2	1	52	.86	+ .02	.50	T.	2	24	1	6	ne.	B. F. Stocks.
Great Bend	Barton	1,850	2																	I. Pritchard.
Greensburg	Kiowa	2,235	4	49.0		78	20	6	1	47	T.		T.	.0	0	28	1	2	sw.	C. C. Raymond.
Grenola	Elk	1,116	23	50.2	+ 4.4	83	20	20	1†	44	.19	− 1.96	.15	.0	2	15	14	2	sw.	W. H. Lawyer.
Howard	do	1,112	4								.30		.30	.0	1	18	7	6	n.	J. W. Eby.
Hugoton	Stevens		7	47.6		84	10	− 3	1	51	.04		.04	.0	1	13	17	1	s.	E. M. Anderson.
Hutchinson	Reno	1,535	21	48.0	+ 3.0	82	20	1	1	48	.13	− 1.14	.07	.0	2	18	6	7	s.	E. S. Webster.
Independence	Montgomery	800	37	52.0	+ 5.5	85	11	20	2	47	.59	− 1.87	.28	.3	6	14	12	5	n.	F. L. Kenoyer.
Iola	Allen	984	5	47.2	+ 4.8	80	20	10	2	41	.62	− 1.73	.33	1.2	7	14	11	6	n.	U. S. Weather Bureau.
Irene	Hamilton	3,440	1	46.8		80	10†	− 1	1	50	.46		.40	T.	3	11	13	7	nw.	N. M. Herblg.
Jetmore	Hodgeman	2,268	10	47.8		79	20	5	1	47	.15	− .55	.15	.0	1	7	23	1	nw.	James Aiken.
Kingman	Kingman	1,504	3	50.8		83	20	5	1	44	T.		T.	.0	0	23	5	3	sw.	B. B. Anawalt.
La Crosse	Rush	2,061	9	49.2		81	20	3	1	48	.67		.45	.0	2	19	9	3	se.	Rodney Torrey.
Lakin	Kearny	2,993	21	46.6	+ 3.8	80	20	0	1	53	.66	+ .05	.35	.0	2	20	11	0	se	C. H. Longstreth.
Larned	Pawnee	2,090	26	49.0		81	20	5	1	45	.07	− .58	.07	T.	1	21	8	2		H. H. Wolcott.
Lebo	Coffey	1,138	25	47.0	+ 3.6	82	20	12	2	42	.65	− 1.77	.57	.1	4	15	9	7	n.	J. J. Bowman.
Le Roy	do	990	2																	F. W. Schmitt.
Liberal	Seward	2,843	4	48.7		80	10	1	1	49	.08		.08	.0	1	19	3	9	se.	Dr. R. T. Nichols.
Macksville	Stafford	2,032	22	49.0	+ 5.8	79	20†	5	1	46	T.	− .76	T.	.0	0	15	12	4	ne.	Mrs. Nelia Poling.
McPherson	McPherson	1,495	22	47.2	+ 3.7	82	20	6	1	44	.17	− 1.31	.15	.0	2	21	9	1	sw.	Ed. F. Haberlein.
Madison	Greenwood	1,074	10	46.5		82	20	6	2	48	.21	− 1.85	.12	T.	4	12	17	2	nw.	C. A. David.
Marion	Marion	1,310	18	47.2	+ 2.8	82	20	8	1	47	.19	− 1.34	.10	.0	2	15	15	1	n.	Jerry Forney.
Medicine Lodge	Barber	1,259	18	50.4	+ 3.8	84	20	6	1	49	.00	1.05	.00	.0	0	15	14	2	s.	S. P. Garrison.
Medora	Reno	1,484	2																	M. L. Rickenbrode.
Mount Hope	Sedgwick	1,410	14								.05	− 1.16	.05	.0	1	16	10	5	s.	H. N. Renfrew.
Neosho Rapids	Lyons	1,092	6																	W. H. McMullin.
Ness City	Ness	2,260	18																	J. K. Barnd.
Newton	Harvey	1,454	14	48.2	+ 1.5	83	20	7	1	48	.26	− 1.21	.24	T.	2	27	0	4	nw.	H. A. Brush.
Norwich	Kingman	1,496	15	51.4	+ 5.8	81	20	9	1	42	T.	− 1.40	T.	T.	0	15	16	0	sw.	N. I. Farris.
Oswego	Labette	899	17	51.7	+ 4.1	85	11	21	2	38	.97	− 2.05	.64	.0	5	11	14	6	sw.	Jas. M. Currigan.
Plains	Meade	2,766	1	49.0		78	21	5	1	46						30	1	0		E. J. Henning.
Pratt	Pratt	1,950	16	49.4[i]	+ 5.5	80	19	6	1	49[i]	T.	− .82	T.		0	17[k]	0[k]	3[k]	s.	A. J. Van Vranken.
Rome	Sumner	1,218	25	50.6	+ 5.2	83	20	16	2	50	.13	− 1.54	.05	.0	3	18	10	3	n.	D. M. Adams.
Sedan	Chautauqua	834	26	52.2	+ 5.3	85	11	19	2	43	.63	− 1.85	.22	.0	4	24	2	5	n.	A. Y. Buckles.
Toronto	Woodson	1,040	14	48.2	+ 2.7	84	20	5	2	45	.22	− 1.89	.22	T.	1	17	9	5	s.	M. A. Webb.
Ulysses	Grant	3,027	20	47.6[d]	+ 4.0	81	10	2	1	52	.00	− .52	.00	.0	0	13[e]	7[e]	8[e]	sw.	T. W. Marshall.
Walnut	Crawford	940	9	48.1		81	11†	13	2	41	1.83		.67	T.	7	19	9	3	sw.	R. C. Harlan.
Wellington	Sumner	1,225	15	50.9	+ 6.2	84	20	14	1	53	.05	− 1.28	.05	.0	1	23	5	3	s.	E. O. G. Kelly.
Wichita	Sedgwick	1,377	24	48.4	+ 4.3	80	20	12	1	36	.10	− 2.15	.09	.0	2	13	13	5	ne.	U. S. Weather Bureau.
Winfield	Cowley	1,124	17	49.6	+ 3.4	81	20	15	2	47	T.	− 1.64	T.	.0	0	24	1	6	s.	M. B. Light.
Yates Center	Woodson	1,068	32	47.2	+ 2.6	83	20	9	2	44	.91	− 1.25	.60	2.0	4	11[a]	17[a]	2[a]	ne.	J. W. Tipton.
Oklahoma.																				
Ada	Pontotoc	1,001	3	58.5		93	9	28	1†	42	.75		.50	.0	2	23	6	2	s.	R. J. Brooks.
Alva	Woods	1,350	6					18	1		.00		.00	.0	0				s.	L. W. Sandefur.
Apache	Caddo	1,255	2	56.5		92		25		49[a]	.29		.27	.0	2	20	10	0	s.	G. D. Teeter.

TABLE 1.—*Climatological data for March, 1911. District No. 7*—Continued.

Stations.	Counties.	Elevation, feet.	Length of record, years.	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, 0.01 inch or more.	Sky. Number of clear days.	Number of partly cloudy days.	Number of cloudy days.	Prevailing wind direction.	Observers.
Oklahoma—Continued.																				
Arapaho	Custer	1,575	17	57.0	+ 5.4	87	10†	21	1	50	0.43	− 0.62	0.43	0.0	1	28	2	1	s.	J. C. Brower.
Ardmore	Carter	872	10	58.8	+ 2.5	94	9	26	2	45	1.79	− .55	.90	.0	4	23	4	4	s.	H. T. Nisbett.
Arnett	Ellis	2,136	7																	C. H. Holmes.
Bartlesville	Washington	687	3	53.0		87	11	23	1†	44	.18		.11	.0	2	20	6	5	nw.	Dr. A. P. Owens.
Beaver	Beaver	2,500	15	49.0	+ .6	78	11	2	1	43	.45	− .25	.45	3.0	1	20	6	5	s.	W. C. Frazer.
Blackburn	Pawnee	800	10	54.2[e]	+ 3.6	87		27		45[e]	.30	− 2.40	.21	.0	2	21	8	2	ne.	John Landis.
Cache	Comanche	1,350	5	55.2		92	9	22	2	49	.32		.32	.0	1	25	5	1	n.	Mrs. Frank Rush.
Calvin	Hughes	713	6								1.42		.90	.0	5	23	0	8	s.	Thomas Purcell.
Chandler	Lincoln	865	10	55.6	+ 1.2	90	9	23	2	50	.86	− .76	.58	.0	2	16	6	9	s.	Chas. L. Kern.
Chattanooga	Comanche	1,150	5	58.0		95	9	24	27	52	.11		.11	.0	1	18	12	1	sw.	Squire Humble.
Chickasha	Grady	1,091	10	57.2	+ .5	90	9	24	20	60	T.	− 1.54	T.	.0	0	28	3	0	s.	J. C. Good.
Cloud Chief	Washita	1,400	9	56.7		89	8	23	1	48	.19		.19	.0	1	20	10	1	s.	J. P. Stutzman.
Durant	Bryan	643	10	58.8	+ 2.5	97	9	29	2†	51	1.00	− 2.54	.51	.0	4	19	6	6	n.	Nelson Houk.
Eldorado	Jackson	1,456	4	57.8[d]		96		25		53[f]	.12		.08	.0	2	7	24	0	ne.	T. W. Lanham.
El Reno	Canadian	1,400	20								.04	− 1.98	.04	.0	1	13	4	1	s.	Rose E. Walker.
Enid	Garfield	1,269	10	52.4	+ .7	85	11†	20	1†	56	.20	− 1.49	.20	2.0	1	25	4	2	n.	Uri B. Worcester.
Erick	Beckham	2,058	6	54.0		89	10	20	1	48	.42		.42	.0	1	23	5	3	s.	A. W. Hanes.
Fairland	Ottawa	839	11	53.4	+ 1.6	89	11	23	16†	42	1.60	− 1.44	.85	.0	6	13	14	4	s.	C. W. Prier.
Fort Gibson	Muskogee	556	6								1.83		1.06	.0	5	19	1	11	e.	John T. Welsh.
Frederick	Tillman	1,293	5	57.7		96	9	26	1†	49	.09		.09	.0	1	17	7	7	se.	B. B. Bradley.
Goodwell	Texas	3,300	1	51.2		82	10	0	1	47	T.		T.	.0	0	13	12	6	sw.	S. W. Black.
Guthrie	Logan	1,000	18	56.4	+ 4.5	87	11	24	1	47	.27	− 1.99	.27	.0	1	23	0	8	s.	S. E. Snyder.
Guymon	Texas	3,133	2								.00		.00	.0	0				sw.	A. L. Mordt.
Harrington	Roger Mills	2,200	7	53.6		86	10	17	1	43	.00		.00	.0	0	17	13	1	sw.	T. Compton.
Hartshorne	Pittsburg	700	12	61.1	+ 5.2	95	9†	24		44[b]	.26	− 2.98	.26	.0	1	24	1	6	n.	Robt. Holmes.
Healdton	Carter	900	17	59.2	+ 4.0	97	9	22	2	48	.73	− 1.69	.63	.0	2	19	12	0	s.	C. H. Heald.
Helena	Alfalfa	1,396	3	52.0		80	11†	22	1†	46	T.		T.	.0	0	18	0	3	s.	R. E. Ellis.
Hennessey	Kingfisher	1,166	16	55.0[h]	+ 3.6	80		28		48[i]	T.	− 1.79	T.	.0	0	13	17	1	s.	Mrs. M. C. Parks.
Hobart	Kiowa	1,396	8	56.8		85	9†	24	1	48	.08		.08	T.	1	8	21	2	s.	Leland Turnbull.
Holdenville	Hughes	900	10	55.4	− .4	93	9	26	2	52	1.12	− 1.01	.42	.0	4	22	8	1	s.	Eula L. Rutherford.
Hooker	Texas	3,038	5	48.4		80	10	− 4	1	51	T.		T.	.0	0	13	2	16	s.	H. N. Kelly.
Hurley	Cimarron	4,200	3	44.4		79	10	− 1	1†	55	T.		T.	.0	0	8	14	9	sw.	Dr. C. W. Meyers.
Idabel	McCurtain	474	3																	M. L. Henderson.
Jefferson	Grant	1,062	17	51.4	+ 2.4	82	21	19	1	43	.07	− 1.23	.05	.0	2	21	9	1	n.	T. E. Beck.
Kenton	Cimarron	4,000	10	49.4	+ 3.3	82	10	6	1	51	.01	− .62	.01	T.	1	18	8	5	sw.	Wm. M. Guy.
Kingfisher	Kingfisher	1,046	14	56.2	+ 4.4	86	11	23	1	43	.20	− 1.99	.20	.0	1	15	13	3	s.	J. C. Cross.
McAlester	Pittsburg	698	15	60.2		96	9	24	2	43	1.26	− 2.28	.51	.0	3	8	8	15	sw.	Wm. Noble.
McComb	Pottawattomie	1,200	17																	J. E. McNair.
Mangum	Greer	1,585	18	56.9	+ 4.2	93	9	24	1	47	.31	− .42	.16	.0	2	18	7	5	ne.	F. D. Dodson.
Marlow	Stephens	1,292	10																	Wm. B. Anthony.
Meeker	Lincoln	1,030	17																	Dr. J. H. Baugh.
Muskogee	Muskogee	614	12	56.8	+ 3.5	94	9	23	2	45	1.38	− 1.45	.70	.0	3	17	3	11	nw.	J. Harry Randall.
Mutual	Woodward		3	53.8		85	9	17	1	47	.00		.00	.0	0	27	1	3	s.	Thos. Martin.
Neola	Caddo	1,500	5	55.4		88	11	24	1	44	.02		.02	.0	1	20	10	1	sw.	R. N. Schooling.
Newkirk	Kay	1,149	13	53.6	+ 3.5	87	20	21	1	45	.14	− 1.77	.14	.0	1	21	9	1	s.	P. H. Albright & Co.
Norman	Cleveland	1,171	16																	D. W. Ohern.
Oakwood	Dewey	1,854	1	53.2		83	8	19	1	42	.22		.18	.0	2	20	8	3	s.	Dr. F. P. Osborn.
Okeene	Blaine	1,194	7	54.5		84	11	21	1	52[a]	.20		.19	1.0	2	20	11	0	s.	Dr. L. H. Murdoch.
Oklahoma	Oklahoma	1,247	20	55.4	+ 6.2	89	9	24	1	42	.02	− 2.36	.02	.0	1	16	11	4	s.	U. S. Weather Bureau.
Okmulgee	Okmulgee	752	7																	J. L. Maynard.
Pauls Valley	Garvin	880	11	57.6	+ 4.3	94	9	25	2	49	.27	− 1.22	.16	.0	2	23	8	0	s.	A. M. Foss.
Pawhuska	Osage	918	11	56.6	+ 5.7	94	11	23	2	51	.35	− 2.76	.17	.0	3	18	10	3	ne.	R. C. Block.
Perry	Noble	920	12	55.3	+ 4.0	85	11†	23	1	42	.05	− 1.82	.04	T.	2	21	8	2	n.	J. A. Douglass.
Ravia	Johnston	796	8	59.8		96	9	29	2	46	.86		.55	.0	3	24	3	4	s.	R. G. Guptill.
Sac and Fox Agency	Lincoln	900	18	57.5	+ 6.0	90	9	25	2	45	T.	− 2.06	T.	.0	0	24	3	4	s.	M. R. Gayle.
Shawnee	Pottawattomie	1,041	10	54.5	+ .1	94		23		59[a]	.80	− 1.23	.37	.0	4	14	12	4	ne.	Mrs. Kate Chatman.
Snyder	Kiowa	1,356	4	57.6		93	9	25	1	50	.10		.10	.0	1	20	10	1	se.	Dr. W. C. Woodard.
Stillwater	Payne	880	18	53.4	+ 2.7	86	11	23	1	42	.66	− 1.76	.45	.0	3	26	0	5	nw.	C. L. McArthur.
Tulsa	Tulsa	700	22	53.8		88	9†	22	3	48	.97	− 1.59	.52	.0	3	12	16	3	s.	Dr. H. M. Hutchinson.
Vinita	Craig	698	7								1.01		.94	.0	3	18	0	13	nw.	W. C. Chamberlain.
Wagoner	Wagoner	588	14	54.0	+ 1.4	91	9	22	2	46	1.02	− 1.84	.67	.0	3	15	6	10	s.	S. L. Hatfield.
Waukomis	Garfield	1,258	14	54.0	+ 2.4	83	11†	21	1	49	.08	− 1.60	.08	.0	1	17	10	4	sw.	R. C. Shades.
Waurika	Jefferson	988	1	59.4		96	9	28	1†	45	.23		.12	.0	3	22	6	3	ne.	B. A. Swindler.
Weatherford	Custer	1,639	10	54.6	+ .3	88	9	21	1	50	.32	− .97	.30	.0	2	21	9	1	n.	M. D. Reed.
Webbers Falls	Muskogee	479	12	54.6	+ .1	94	9	23	2	46	1.69	− 1.45	.67	.0	4	12	7	12	w.	B. D. Boulineau.
Whiteagle	Kay	945	7	52.6		89	15	22	2†	60	.14		.14	1.0	1	22	4	5	s.	Irvin G. Dillon.
Woodward	Woodward	1,893	8	52.4		83		17		45[a]	.00		.00	.0	0	25	5	1	s.	R. A. Boyle.
Missouri.																				
Belle	Maries		19	47.6	+ 1.3	84	22	16	16	40	1.52	− 1.85	.60	T.	5	14	13	4	n.	A. J. Wofford.
Birch Tree	Shannon	1,200	18	50.0	+ 1.6	89	9	17	15	45	1.33	− 3.81	.67	.0	4	24	2	5	nw.	V. H. Kirkendall.
Cape Girardeau	Cape Girardeau	305	6								.32		.20	2.0	5	13	11	7	w.	D. L. Albert.
Caruthersville	Pemiscot		21	54.4	+ 2.9	91	11	23	16	51	.81	− 3.29	.45	T.	3[k]	21	2	8	se.	H. E. Averill.
Cassville	Barry			49.2		85	9	16	16	48	2.07		1.20	.0	5	18	9	4	s.	Mrs. Zuma Bloomer.
Dean	McDonald		12	50.3[j]	− .5	87		17		48[k]	2.69	− .65	1.06	T.	6					H. E. Dean.
Doniphan	Ripley	440	7	52.4		90	9	22	16	48	1.67		.70	.0	5	21	5	5	s.	W. W. Martin.
Gano	Dent		8	49.6		89	11	11	16	40	2.00		.50	3.7	10	19	7	5	nw.	A. C. Leech.
Goodland	Iron	900	6	48.2		87	11	14	16	48	2.03		.55	.0	6	16	6	9	s.	F. M. Adams.
Greenville	Wayne		17	52.4	+ 3.6	88	11	19	16	50	1.80	− 2.75	.62	3.0	4	17	14	0	nw.	A. G. Templeton.
Hollister	Taney	1,000	1	50.2		86	11	16	16	42	1.86		.65	.0	5	18	0	13	nw.	W. P. Chapman.
Ironton §§	Iron	925	33	48.2	+ 3.2	88	11	15	16	46	1.73	− 2.67	.72	T.	8	13	12	6	s.	W. H. Delano.
Jackson	Cape Girardeau	458	20	50.0	+ 2.7	87	11	19	16	46	1.45	− 3.37	.72	5.0	6	15	10	6	n.	L. M. Bean.
Joplin	Jasper	979	33	52.4		87	11	21	1	42	.60	− 2.08	.58	T.	3	20	0	11	nw.	Miss Ruth Smith.
Koshkonong	Oregon	911	11	53.0	+ 1.8	91	9	20	16	44	1.36	− 3.03	.63	.0	5	16	10	5	nw.	J. W. Hitt.
Lamar §§	Barton	964	31	48.2	+ 1.5	85	11	20	1†	39	2.26	− .58	.72	4.0	7	16	8	7	sw.	E. H. Adams.
Marble Hill	Bollinger	420	20	49.8	+ 1.6	87	11	16	16	47	1.50	− 3.37	1.10	.0	2	19	11	1	n.	A. F. Hendrix.
Mountaingrove	Wright	1,490	12	48.4	+ .2	85	9†	16	16	49	1.83	− 2.71	.53	T.	5	16	6	9	nw.	Mo. Fruit Exper. Station.
Mount Vernon	Lawrence	1,480	34	50.4	+ 3.5	87	11	21	2†	39	2.24	− 1.45	.67	.0	6	21	2	8	sw.	J. R. White & Son.
Neosho	Newton	1,023	28	52.2	+ 3.8	88	11	20	16	46	1.94	− 1.48	1.05	T.	6	18	6	7	sw.	W. O. Buck.
New Madrid	New Madrid	285	17								1.40	− 4.49	.60	T.	8	18	2	11	n.	Miss Josie Smith.
Oakfield	Franklin	793	19	47.4	+ 1.3	85	11	16	16	41	2.57	− 1.19	.85	8.0	7	12	12	7	nw.	E. E. Steines.
Olden	Howell	1,246	21	51.0	+ 2.6	88	11	17	16	45	1.89	− 3.07	1.07	.0	2	19	7	5	nw.	J. D. Evans.
Perryville	Perry	582	2	49.2		81	10	20	15	42	1.51		.50	4.5	4	19	0	12	nw.	Superintendent of schools.
Rolla	Phelps	1,092	30	48.2	+ 2.5	86	11	15	2	38	2.23	− .68	.67	.0	8	18	7	6	sw.	Prof. P. J. Wilkins.
Springfield	Greene	1,350	24	48.6	+ 5.1	85	11	21	16	39	2.28	− 1.79	1.05	1.2	7	13	10	8	se.	U. S. Weather Bureau.
Steelville	Crawford	746	15	42.9		80	11	19	15	45	.29	− 1.83	.29	.0	1	16[b]	9[b]	4[b]	nw.	Edwin Pumphrey.

TABLE 1.—*Climatological data for March, 1911. District No. 7*—Continued.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahrenheit.							Precipitation, in inches.				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 rainy days, 0.01 inch or more.	Number of clear days.	Number of partly cloudy days.	Number of cloudy days.		
Kentucky.																				
Blandville	Ballard	445	29	50.2	+ 3.1	84	11	19	16	34	0.88	− 3.99	0.49	0.0	8	12	12	7	nw.	E. W. Horr.
Lynnville	Graves		8																	
Tennessee.																				
Arlington	Shelby		29																	A. T. B. Etheridge.
Bolivar	Hardeman	450	24	52.7	+ 1.2	82	10	23	16†	39	1.93	− 3.48	1.20	.0	6	22	0	9	s.	Miss M. A. Smith.
Brownsville	Haywood	361	26	52.9		82	11	22	16	42	2.48		.90	.0	5	13	13	5	n.	Miss Hattie N. Moses.
Covington	Tipton	311	24	53.5	+ 2.5	82	11	25	16	34	1.92	− 2.45	70	.0	4	21	0	10	s.	J. S. Ruffin.
Dyersburg	Dyer	310	28	53.0	+ 2.5	85	11	24	16	39	1.00	− 3.35	.75	.0	2	22	3	6	n.	Miss M. A. Sinclair.
Jackson	Madison	450	18	54.6	+ 1.9	82[b]	9	22	16	45	1.89	− 2.69	.52	.0	7	16	3	12	nw.	Prof. S. A. Robert.
Kenton	Obion	325	9	53.5		86	11	21	16	42	1.40		.67	.0	6	14	11	6	s.	G. S. Martin.
Memphis	Shelby	409	40	55.6	+ 3.5	87	9	26	16	32	1.62	− 4.15	.93	.0	6	13	8	10	sw.	U. S. Weather Bureau.
Milan	Gibson	440	28	52.7	+ 3.7	85	11	22	16	42	1.74	− 2.41	.43	.0	8	18	3	10	n.	O. F. Cantwell.
Trenton	do	345	28	52.2	+ 2.1	81	9†	20	16	44	1.52	− 3.60	.72	.0	4	22	4	5	sw.	Prof. F. L. Dennison.
Union City	Obion	360	13	53.9		86	11	22	16	40	1.06			.0	5	16	11	4	s.	J. B. Kimzey.
Arkansas.																				
Alicia	Lawrence		7	56.8[f]		89		25		44[f]	1.15		.95	.0	2	21	6	4	nw.	McCullough & Guelck.
Amity	Clark	250	19	58.2	+ 2.5	91	9	26	3	47	2.83	− 3.09	.88	.0	7	15	11	5	sw.	Prof. S. M. Samson.
Arkadelphia (near)	do	250	4	59.2		89	9	28	2	40	2.93		1.02	.0	5	21	3	7	sw.	J. A. Ross.
Arkansas City	Desha	145	28								3.38	− 2.22	2.04	.0	6					W. C. Blundell.
Batesville	Independence	271	6								1.74		.80	.0	5					Lelia L. Teter.
Bee Branch	Van Buren		19	57.2[g]	+ 5.0	91		24		42[g]	2.20	− 2.77	1.00	.0	7					J. E. Scanlan.
Benton	Saline	283	4								1.95		.73	.0	4					P. B. Jackson.
Bentonville	Benton	1,303	6	52.1	+ 4.8	87	9	22	16	36	1.77	− 2.05	.77	.0	7	18	8	5	s.	U. S. Weather Bureau.
Bergman	Boone	1,324	15	49.2	+ .8	86	9	15	16	41	1.34	− 2.02	.40	.0	6	23	3	5	nw.	John T. Maxey.
Black Rock	Lawrence	259	7								1.70		.69	.0	6					S. J. Howe.
Brinkley	Monroe	226	25	55.7	+ 2.5	89	9	27	16†	44	2.40	− 3.46	1.02	.0	5					H. L. D. Whitson.
Calico Rock	Izard	361	7								.75		.50	.0	2					W. H. Stoner.
Camden	Ouachita	158	26	62.5	+ 7.3	91	11	34	28	44	1.80	− 3.87	.67	.0	5					R. H. Quarterman.
Centerpoint	Howard	470	11	60.4	+ 1.7	92	9	27	2	44	3.14	− 1.34	.90	.0	6	17	8	6	sw.	J. M. Huddleston.
Clarendon	Monroe	171	7								3.04		1.30	.0	7					Mrs. B. E. Bishop.
Conway	Faulkner	309	28	57.0	+ 4.8	92	9	28	16	42	1.93	− 2.87	.91	.0	8	10	13	8	nw.	G. H. Burr.
Corning	Clay	293	19	54.0	+ 5.1	87	9	23	16	44	1.90	− 3.28	.74	.0	5	9	16	6	s.	Jacob Brobst.
Dardanelle	Yell	330	25	55.2		91	9†	26	16	46	2.46	− 2.41	1.05	.0	7					A. Bernard.
Dodd City	Marion	1,175	30	52.6[d]	+ 3.5	90		19		59[d]	1.32	− 3.02	.63	.0	4				s.	Neal Dodd.
Earl	Crittenden	223	5																	W. J. Moss.
Eldorado	Union	265	7	59.9		90	9†	31	2	41	1.64		.61	.0	5					Jeff J. Babb.
England	Lonoke		5	57.5		88	9	29	2†	38	4.53		2.25	.0	5	17	4	10		J. C. Chenault.
Eureka Springs	Carroll	1,465	9	54.2		90	9	21	16	41	1.94		.67	.0	5	7	19	5	sw.	George W. Nicholds.
Fayetteville	Washington	1,451	22	54.6	+ 6.0	88	9	24	2†	38	1.69	− 2.58	.60	.0	7	14	11	6	sw.	University of Arkansas.
Fordyce	Dallas			59.8		89	9	30	16	37	1.26		.65	.0	4	15	12	4	s.	A. Tredick.
Fort Smith	Sebastian	481	29	56.4	+ 5.1	91	9	28	2	39	1.97	− 1.65	.73	.0	9	17	5	9	e.	U. S. Weather Bureau.
Fulton	Hempstead	264	7								2.44		1.20	.0	3					B. C. Logan.
Hardy	Sharp	643	13	53.2	+ 1.5	91	10†	22	16	46	1.46	− 3.49	.50	.0	7	14	9	8	nw.	C. A. Caywood.
Helena	Phillips	182	26	55.7	+ 2.2	89	9	28	16	42	3.56	− 2.75	1.20	.0	7					B. F. Modisett.
Hot Springs	Garland	600	5	57.0		93	9	25	2	47	1.65		.78	.0	6	23	3	5	s.	Hot Springs Water Co.
Huttig	Union	85	4	61.6		90		34		41[a]	2.54		.94	.0	5	10	17	4		C. A. Berry.
Jonesboro	Craighead	345	16	55.0	+ 2.9	90	9	20	16	45	1.00	− 4.02	.70	.0	2	6	20	5	ne.	Benedictine Sisters.
Junction	Union		18	62.3	+ 5.4	90	8†	32	16	43	1.32	− 4.75	.62	.0	3	20	4	7	sw.	J. A. Lowderback.
Lake Farm	Jefferson	195	4	57.5		90	10	26	2†	41	2.61		1.21	.0	4	17	10	4	sw.	R. H. Gillispie.
Lewisville	Lafayette	262	8	61.6		91	9	29	2	40	2.23		1.00	.0	6	21	2	8		F. W. Youmans.
Little Rock	Pulaski	357	32	57.0	+ 4.3	89	9	30	16	34	2.10	− 2.84	1.21	.0	7	11	12	8	sw.	U. S. Weather Bureau.
Lutherville	Johnson	775	14	54.8	+ 1.5	90	11	25	2†	41	1.95	− 1.96	.54	.0	7	18	7	6	sw.	G. H. Hentschel.
Malvern	Hot Spring	277	24	55.8	+ 1.7	89	9†	28	2	44	2.87	− 2.28	1.30	.0	6					Miss L. C. Smith.
Mammoth Spring	Fulton	512	7	51.7		94	9	20	16	53	1.31		.51	.0	4	15	14	2		F. Wallick.
Marked Tree	Poinsett	229	7								1.82		.76	.0	5					L. Smith.
Mena	Polk	1,100	25	57.4	+ 4.7	89	9	27	2	41	2.32	− 3.04	.96	.0	6	24	3	4	w.	R. R. St. John.
Newport	Jackson	231	27	54.4	+ 4.1	90	9	27	16	44	1.84	− 3.08	.90	.0	5					Chas. Sprigg.
Ozark	Franklin	377	20	56.3	+ 3.1	88	10	26	2	39	2.00	− 3.06	.99	.0	8	16	12	3	e.	R. M. Adams.
Pine Bluff	Jefferson	215	23	58.8	+ 4.3	90	9	28	2	38	2.59	− 3.05	1.15	.0	5					J. M. Hudson.
Pocahontas	Randolph		19	55.8	+ 6.4	90	9	29		50[b]	2.39	− 2.50	.95	.0	4	13	14	4		Benedictine Sisters.
Pond	Benton	1,250	14	52.9	+ 1.6	90	9	18	2	45	2.58	− .81	1.08	.0	8	4	19	8	sw.	A. F. Stevens.
Portland	Ashley	122	2	61.2		91	9	36	16	36	3.19		1.96	.0	7					L. W. Gregory.
Prescott	Nevada	327	23	57.7	+ 2.1	91	9	27	2	44	2.90	− 1.44	1.04	.0	6					A. M. Ellsworth.
Rogers	Benton	1,385	20	54.0	+ 6.3	88	9	24	2	41	2.11	− 1.71	.71	.0	7	15	4	12	s.	Carl A. Starck.
Springbank	Miller	182	4								1.85		.75	.0	5					G. Field.
Stuttgart	Arkansas	495	24	56.9	+ 3.5	88	9	28	16	39	2.77	− 3.19	1.11	.0	6	20	4	7	n.	H. A. Buerkle.
Subiaco	Logan	1,050	14	56.7	+ 2.9	86	11	29	16	38	1.77	− 2.55	.69	.0	5	23	4	4	sw.	New Subiaco Abbey.
Swain	Newton	2,300		51.7		85	9	20	16	36	1.71		.81	.0	11	16	8	7	s.	George Paxton.
Texarkana	Miller	332	27	59.4	+ 3.2	90	9	30	2	36	2.32	− 1.55	.93	.0	5					D. E. Moore.
Warren	Bradley	304	16	60.3	+ 4.9	91	9	32	16	42	2.03	− 4.29	.77	.0	4					W. J. Savage.
Whitecliffs	Little River	206	7								3.33		1.13	.0	5					John E. Payton.
Wiggs	Garland		18	56.4	+ 1.7	89	9	24	2	46	2.62	− 3.32	.71	.0	9	18	7	6	sw.	S. D. Jester.
Wynne	Cross	250	3	56.5		91	11	26	16	50	1.56		.61	.0	5					John Seals.
Mississippi.																				
Anguilla	Sharkey	107	3	60.8		88	11	32	16	36	2.53		2.00	.0	7	20	3	8	sw.	E. W. Cook.
Austin	Tunica	200	15	57.6	+ 2.2	88	9	28	16	41	2.49	− 3.29	.70	.0	6	19	5	7	s.	H. J. Irvine.
Batesville	Panola	230	24	56.6	+ 3.1	87	11	27	16	41	3.13	− 2.92	1.75	.0	8	20	0	11	w.	J. M. Cox.
Big Creek	Calhoun			57.8		88	11	27	16	45	2.85		1.55	.0	7	16	6	9	s.	J. P. Havens.
Byhalia	Marshall	390	2								2.42		1.02	.0	7	24	4	3	sw.	Tallahatchie drainage com.
Canton	Madison	228	21	60.3	+ 1.6	88	11	34	3†	38	1.84	− 3.98	.96	.0	8	10	15	6	sw.	Dr. G. W. Smith-Vaniz.
Charleston	Tallahatchie		1																	W. B. Burke.
Clarksdale	Coahoma	177	4	56.5		89	9	29	16	41	2.90		1.32	.0	8	14	2	15	s.	A. C. Tuttle.
Coffeeville	Yalobusha	241	2								4.11		1.15	.0	11	12	16	3	s.	Tallahatchie drainage com.
Corinth	Alcorn	470	23	54.2	+ 1.6	86	12	24	16	41	2.27	− 3.46	1.27	.0	10	17	4	10	se.	M. A. Candler.
Crenshaw	Panola	187	2								2.92		1.10	.0	8	20	7	4	sw.	Tallahatchie drainage com.
Denmark	Lafayette		2								3.10		1.23	.0	10					Do.
Duck Hill	Montgomery		12	58.2	+ 1.2	86[c]	9†	29	16	43[c]	2.79	− 3.42	1.58	.0	4	15[b]	4[b]	10[b]	s.	W. H. Eskridge.
Edwards	Hinds	222	24	61.4	+ 2.5	92	11	33	3	40	1.94	− 3.69	.63	.0	5	24	5	2	s.	E. F. Farr.
Enid	Tallahatchie		2								3.28		1.24	.0	9				s.	Tallahatchie drainage com.
Fayette	Jefferson	270	10	62.8	+ 3.5	91	11	33	3	40	1.50	− 4.50	.82	.0	5	17	9	5	sw.	T. L. Darden.
Greenville	Washington	126	24	59.2	+ 2.7	91	11	33	16	40	3.21	− 2.56	1.90	.0	6	21	0	10	sw.	F. L. Harbison.
Greenwood	Leflore	140	11	58.2	+ 2.2	89	11	31	16	44	3.27	− 3.06	1.70	.0	8	13	12	6	sw.	J. H. Stephen.

TABLE 1.—*Climatological data for March, 1911. District No. 7*—Continued.

Stations.	Counties.	Elevation, feet.	Length of record, years.	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, 0.01 inch or more.	Sky. Number of clear days.	Number of partly cloudy days.	Number of cloudy days.	Prevailing wind direction.	Observers.
Mississippi—Cont'd.																				
Grenada	Grenada	124	2								2.26		1.30	0.0	5	22	6	3	ne.	Tallahatchie drainage com.
Hernando	De Soto	391	23	55.3	+ 1.3	87	11	26	16	42	2.56		1.03	.0	6	14	11	6	sw.	W. F. Wood.
Hickory Flat	Benton	435	2								3.04		1.30	.0	8	9	18	4	s.	Tallahatchie drainage com.
Holly Springs	Marshall	600	24	53.5	+ 1.4	84	11	24	16	39	3.03	− 3.89	1.53	.0	7	14	4	13	se.	L. B. Mosby.
Kosciusko	Attala	430	21	57.8	+ 1.4	89	11	31	3†	48	1.83	− 4.38	.80	.0	9	24	2	5	sw.	E. L. Lucas.
Lake Cormorant	De Soto	206	2								2.20		.82	.0	9	21	7	3	sw.	Tallahatchie drainage com.
Lula	Coahoma	182	2								2.99		1.11	.0	9	18	8	5		Do.
Malone	Marshall		2								3.06		1.44	.0	10					Do.
Marks	Quitman	163	2								3.00		1.31	.0	9					Do.
Natchez	Adams	206	23	63.4	+ 1.8	92	11	40	3†	44	1.50	− 4.59	.83	.0	4	11	7	13	n.	J. C. Weir, jr.
New Albany	Union	398	2								2.35		1.16	.0	5	16	11	4	n.	Tallahatchie drainage com.
Pontotoc	Pontotoc	475	22	56.6	+ 2.2	87	12	26	16	38	2.94	− 3.07	.88	.0	11	14	15	2	nw.	Dr. C. W. Bolton.
Port Gibson	Claiborne	116	23	60.8	+ 1.1	92	11	31	3	44	1.34	− 3.95	.90	.0	6	16	4	11	e.	H. H. Crisler.
Rosedale	Bolivar	143	3	56.4		87	9	31	16	39	3.51		1.85	.0	10	12	8	11	sw.	T. J. Murray.
Senatobia	Tate	284	2								2.90		1.34	.0	7	10	0	21	n.	Tallahatchie drainage com.
Shoccoe	Madison		8	60.0		91	11	29	16	40[a]	.85	− 4.31	.25	.0	6	23	1	7	n.	J. C. Pitchford.
Suffolk	Franklin		10	63.5	+ 1.5	90	11	33	3	40	1.40	− 4.62	1.07	.0	5	20	5	6	w.	Prof. Geo. H. Kent.
Swan Lake	Tallahatchie	148	6								3.47		1.93	.0	6					B. F. Saunders.
Tchula	Holmes	130	6	61.4		91	11	32	16	42	2.69		1.31	.0	5	12[a]	14[a]	4[a]	s.	Dr. M. P. Winkler.
University	Lafayette	502	18	57.0	+ 2.7	85	11	26	16	37	2.88	− 3.53	1.15	.0	8	19	5	7	s.	Prof. J. H. Dorroh.
Utica	Hinds	287	7	61.4		91	11	33	3	41	1.22		.84	.0	6	21	3	7	s.	Dr. J. B. Dudley.
Vicksburg	Warren	247	40	62.0	+ 3.8	88	11	39	16	29	1.80	− 4.45	1.01	.0	9	19	4	8	s.	U. S. Weather Bureau.
Water Valley	Yalobusha	300	22	58.0	+ 2.8	87	11	26	16	36	3.39	− 3.12	1.60	.0	8	19	8	4	s.	Miss Loula Erikson.
Woodville	Wilkinson	560	18	64.0	+ 2.4	90	11	38	17	35	1.51	− 4.44	.58	.0	7	19	8	4	sw.	James E. Lee.
Yazoo City	Yazoo	116	17	60.7	+ 1.6	91	11	34	3	39	2.14	− 3.60	1.08	.0	8	19	4	8	se.	W. H. Courts.
Louisiana.																				
Abbeville	Vermilion	18	23	66.2	+ 3.0	87	8	41	16†	34	3.57	+ .03	1.44	.0	8	14	6	11	se.	C. J. Edwards.
Alexandria	Rapides	77	23	62.2	+ 1.6	90	8†	37	3†	47	2.14	− 3.15	1.25	.0	4	8	5	18	n.	Nellie Graham.
Amite	Tangipahoa	130	23	64.0	+ 2.2	90	10†	33	17	43	2.75	− 2.88	1.00	.0	4	9	17	5	n.	Lulu M. Wentz.
Baton Rouge	East Baton Rouge	60	23	66.5	+ 4.7	89	9	44	17	31	2.62	− 2.32	1.60	.0	6	14	2	15	e.	Elmo M. Bott.
Burnside §	Ascension	2	11	65.8	+ 2.2	89	11	35	17	39[a]	2.21	− 2.91	1.35	.0	4	8	4	19	e.	C. S. McFarland.
Burrwood	Plaquemines	1	23	66.2	+ 3.8	80	11†	50	3	24	1.52	− 1.85	1.12	.0	3	25	1	5	se.	Graham Myers.
Cades §	St. Martin		1	66.4		86	8	44	17	32	3.06		1.26	.0	6	21	4	6	s.	C. E. Smedes.
Calhoun	Ouachita	180	23	61.4	+ 4.4	91	9	32	3	42	2.68	− 2.38	1.91	.0	5	19	5	7	s.	N. La. experiment station.
Cameron	Cameron	6	18	66.8	+ 3.8	78	13†	46	2†	26	3.72	+ .49	1.58	.0	5	9	15	7	se.	State biological station.
Carrollton	Orleans	7		66.1		86	8†	38	17	37										Loyola College.
Cheneyville	Rapides	67	23	66.9	+ 6.0	92	11	36	17	44	1.88	− 3.03	1.28	.0	3	18	3	10	s.	Walter I. Tanner.
Cinclare	West Baton Rouge		1	64.2		88	8	34	16	36	2.11		1.08	.0	4	16	9	6	sw.	Cinclare Cent. Factory.
Clinton	East Feliciana	113	23	64.6	+ 3.0	89	8†	33	17	40	.58	− 5.11	.28	.0	4	9	4	18	n.	John A. White.
Collinston	Morehouse	65	10	62.0	+ 1.6	92	11	33	3†	41	2.39		1.67	.0	6	17	9	5	s.	John B. Reily.
Covington	St. Tammany	39	19	64.2	+ 1.7	86	11†	36	17	39	2.53	− 2.87	.85	.0	5	7	12	12	se.	Lucille Champagne.
Dodson	Winn		2	62.4		91	9	35	3	41	2.71		1.00	.0	7	14	11	6	s.	J. P. Lucas.
Donaldsonville	Ascension	33	23	68.6	+ 6.1	92	8	40	17	38	5.40	+ .94	3.45	.0	6	11	9	11	ne.	John F. Park.
Farmerville	Union	177	23	60.8[e]	+ 4.0	89	10	34	17	37[f]	2.21	− 3.27	1.25	.0	4	7	7	17	s.	W. P. Chandler.
Ferriday	Concordia		4	63.3		89	8†	31	9	46	1.55		.79	.0	4	22	4	5	s.	R. Z. Sclater.
Franklin	St. Marys	10	19	66.3	+ 2.3	87	8	40	17	39	2.98	− .47	2.10	.0	6	13	8	10	n.	J. M. Bonney.
Grand Cane	De Soto	302	15	60.0	+ 1.6	90	8†	28	3	60	2.62	− 1.75	1.14	.0	7	11	12	8		J. Foster Provost.
Grand Coteau	St. Landry	93	23	65.8	+ 3.1	90	11	41	3†	34	2.61	− 1.52	.89	.0	7	13	10	8	nw.	St. Charles College.
Hammond	Tangipahoa	44	19	65.6	+ 3.7	93	12	34	17	39	2.01	− 2.83	.88	.0	4	24	2	5	se.	C. C. Carr.
Houma	Terrebonne		23	70.0	+ 6.7	87	8†	44	4	38	2.10	− 1.35	1.00	.0	4	26	0	5	nw.	H. M. Foote.
Jena	Catahoula			64.2[e]		94	19	34	3	40[i]	2.55		1.20	.0	5	12	10	9	n.	I. A. Wilbanks.
Jennings	Calcasieu	30	14	65.1	+ 1.9	87	8	44	2†	31	2.78	− .54	1.10	.0	5	9	16	6	se.	J. F. Buch.
Lafayette	Lafayette	36	23	67.3	+ 5.1	93	11	41	3	38	2.81	− .95	1.18	.0	6	12	4	15	e.	J. J. Davidson.
Lake Charles	Calcasieu	22	23	63.0	+ 1.4	90	8	30	3	55	2.85	− .89	1.15	.0	4	28	0	3	e.	Geo. Boudreaux.
Lakeside	Cameron	9	10	66.2	+ 2.4	85	8	44	17	31	3.95		1.81	.0	7	20	2	9	w.	L. J. Nunnemacher.
Lawrence	Plaquemines	6	20	65.8	+ 2.6	88	8†	41	17	37	1.04	− 2.59	.27	.0	5	19	7	5	s.	H. C. Warmoth.
Leesville	Vernon		4	64.5		88	7†	30	28	40	2.49		.84	.0	5	19	7	5	s.	C. M. McFarland.
Liberty Hill	Bienville		23	62.6	+ 3.5	91	7†	34	28	46	2.39	− 2.89	.90	.0	6	14	8	9	s.	E. A. Crawford.
Logansport	De Soto	192	7								3.57		1.23	.0	6	8	5	18	s.	Bettie M. Dennis.
Melville	St. Landry	45	23	63.4	+ 1.8	90	8	33	17†	43	1.72	− 3.39	.67	.0	7	14	3	14	se.	Chas. B. McNeill.
Minden	Webster	194	23	60.0	+ 2.5	91	9†	32	3	43	2.01	− 2.30	.65	.0	5	13	7	11	n.	Ethel Fort.
Monroe	Ouachita	82	23	62.6	+ 3.3	95	11	29	3	39	3.00	− 2.13	2.00	.0	3	26	1	4	ne.	L. L. Smith.
Morgan City	St. Marys	14	5								1.53		.98	.0	6	12	3	16	ne.	Virgil E. Kinsey.
Newellton	Tensas		4																	John D. Fultz.
New Iberia	Iberia	15	23	67.8	+ 4.3	85	8†	44	2	25	3.79	+ .26	1.75	.0	6	12	14	5	sw.	Mrs. Jno. A. Gebert.
New Orleans (1)	Orleans	51	40	66.7	+ 4.7	86	12	46	2	24	5.82	+ .52	4.16	.0	7	15	8	8	se.	U. S. Weather Bureau.
New Orleans (2)	do	18	23	67.0	+ 4.2	89	8	36	17	42	4.23	− .43	2.84	.0	6	11	10	10	s.	Sugar experiment station.
Opelousas	St. Landry	83	19	65.3	+ 2.7	91	8	40	14	37	2.14	− 2.80	.80	.0	7	13	15	3	e.	Andrew Moresi.
Paradis	St. Charles																			Louisiana Meadows Co.
Pearl River	St. Tammany	29	5								2.59		1.44	.0	6	13	7	11	s.	Geo. F. Bancks.
Plain Dealing	Bossier	268	19	61.7	+ 2.7	91	7	29	2	44	2.19	− 1.94	.87	.0	6	18	6	7	sw.	Leon Sanders.
Rayne	Acadia	44	19	66.4	+ 3.5	90	8	41	17	34	2.60	− 1.58	1.20	.0	6	9	2	20	n.	A. P. McNeil.
Reserve	St. John Baptist		10	67.0	+ 4.3	94	12	40	17	42	4.29	+ .51	2.46	.0	5	16	10	5		Leon Godchaux Co., Ltd.
Robeline	Natchitoches	147	15	61.1	+ 1.4	91	9	33	3†	44	3.70	− .69	1.85	.0	5	13	7	11	sw.	Ruby McCook.
Ruston	Lincoln	312	16	63.8	+ 4.3	91	11	34	16	50	2.25	− 3.49	1.60	.0	3	15	9	7	sw.	J. C. H. McKinney.
St. Francisville	West Feliciana	115	8	61.8		86	11	40	3†	40	1.15		1.15	.0	1	11	14	6	s.	L. P. Kilbourne.
Schriever	Terrebonne	17	19	66.5	+ 2.8	88	8	35	17	46	2.70	− .97	1.32	.0	5	13	3	15	e.	Harriet F. Rievier.
Sheridan	Washington		1	65.0		91	10†	33	17	42[i]	2.35		1.20	.0	5				nw.	D. A. Self.
Shreveport	Caddo	249	40	62.3	+ 4.1	90	9	33	2	35	2.32	− 2.20	.87	.0	6	18	8	5	s.	U. S. Weather Bureau.
Simmesport	Avoyelles	42	5								1.65		.84	.0	6	6	6	19	n.	C. T. Leigh.
Southern Univ. Farm	Jefferson		14								5.90	+ 1.95	4.01	.0	5	12	13	6	se.	F. L. St. Martin.
Sugartown	Calcasieu		18	63.0	+ .9	80	5†	40	17	26	3.35	− 1.30	1.70	.0	5	2	25	4		G. W. Richardson.
Tallulah	Madison	91	4	61.3		93	9†	30	3	44[a]	2.76		.95	.0	7	4	22	5		C. E. Speed.
Walker	Livingston		1	69.8		88	8	43	1	28	3.60		1.60	.0	3	16	9	6	se.	H. C. Fondren.

[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 March, 1911. District No. 7, Lower Mississippi Valley.*

Stations.	Watershed.	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	
Colorado.																																	
Blaine	Cimarron											0.05									T.												0.05
Buena Vista	Arkansas				T.	T.	T.				T.	.67						1.21					0.15			T.							2.03
Calhan	Big Sandy											.06						T.					T.						0.25				.31
Canon City‖	Arkansas					0.09		T.					0.09	T.					0.29				.02	0.06					.03				.58
Colorado Springs	Fountain											.03	T.					.02			T.		.28		T.				.09				.42
Cripple Creek	Oil Creek								0.01			.50	.01					.21				0.42							.12				1.27
Cuchara Camps	Cucharas											T.	T.						.03	0.03			.06					T.					.12
Eads	Big Sandy											.25																					.25
Fairview	St. Charles					.60	0.71							0.33	0.55				.69			.75	.70										4.33
Fremont Experiment Station.‖	Fountain				T.					T.		.43	T.					.28			T.	.23	.57		0.03		T.	0.13					1.67
Garfield	L. Arkansas		T.	T.	0.03	.52	T.		T.	0.10	0.40	.30	T.					.16	.30				.32	T.	.11	T.			.28				2.52
Hamps	Big Sandy											T.															T.		T.				T.
Hermit Lake	Grape Creek					1.71	.42					.75	.20	.25				.49	.47		0.15	.11	.96						.15				5.66
Hoehne (near)	Purgatoire										.04	T.	T.					.06											T.				.10
Holly	Arkansas											.35	.11																				.46
La Junta	do																												T.				T.
Lake Moraine	Fountain				.05		T.			.04	.07	.57	.11					.26			.04	.09	.81						.09				2.13
Lamar	Arkansas											.27																					.27
Las Animas	do											.24																					.24
La Veta Pass	Cucharas						.34						.04										.20										.58
Leadville	Arkansas		T.		.07	.14	T.			.16	.33	.14	T.	T.	T.			.18	.22		T.	T.	T.	T.	T.	T.	T.	T.	.19				1.43
Limon (near)	Big Sandy						.03					.06															T.		T.				.09
Madrid	Purgatoire												.04					.15															.19
Marshall Pass	Arkansas																																
Monument	Fountain																																
North Lake	Purgatoire													.09				.35															.44
Pueblo	Arkansas											.13	.02					.04				T.	.05						.05				.29
Rocky Ford (near)	do																																
St. Elmo	Chalk Creek				.12	.50				.30	.60	.65						.42	T.				.04			0.04			.28				2.95
Salida‖	Arkansas					.15						T.	.30						1.00				T.										1.45
Santa Clara	Huerfano																																.62
Sheridan Lake	Arkansas																																
Stonewall	Purgatoire											T.	T.	T.				.17	.12		T.		.06										.35
Trinidad	do											T.	T.					.25					T.										.25
Victor	Oil Creek						T.			T.		.35						.17					.24										.76
Vilas	Cimarron																																
Wayne	Arkansas																																
Westcliffe	Grape Creek					.18				T.		.03	.55						.33				.18										1.27
Winfield	Clear Creek		T.	T.	.08	.11	.05	T.	T.	.15	.25	.16	.04				0.19		.13		T.		.03	T.	T.	.01	T.	T.	.12				1.32
Woodmen Sanatorium	Fountain											.27	.08					T.	.03			T.	.33			T.			.17				.88
Wortman	Arkansas	T.	T.	T	T.	.51	T.	T.	T.	.51	.35	.43	.12					.10	.13	T.	T.	.10	.18	T.	T.	T.	T.	.05	T.				2.48
New Mexico.																																	
Abbott	Canadian											T.												T.									T.
Albert	do																																.00
Arch (near)	Red	0.90																			.15			.46									1.51
Aurora	Canadian						.03					.07	.04	.10	.04			.30					.10										.68
Bell Ranch	do											T.									T.			T.		T.							T.
Black Lake	do						.10					.20		.06				.36															.72
Cabeza	do																																.00
Campana	do																				.02		T.	.03									.05
Chacon	do						.15				.17							.20					.15										.67
Cimarron (near)	do											T.	T.	.08				.23	.24		T.		.01										.56
Clayton	do														T.						T.												T.
Clovis	Red																																
Cuervo	Canadian																				T.	.14	T.	.13									.27
Dawson	do							0.02						.14				.24															.40
Elizabethtown	do				.71	.10	.23					.75		.52				.48	.54	.43			.27										4.03
Folsom	Dry Cimarron.										.04			.10	.02				.05														.21
Fort Union	Canadian													T.									T.	.05									.05
Hayden	do																				T.	.11				T.							.11
Johnsons Park	do													.25	.10			T.	.07														.42
Kappus	do																				.30					.05							.35
Lake Alice	do																																
Logan	do																					.07											.07
Los Alamos	do																					.02											.02
Lykins (near)	Red																				.08			.09									.17
Maxwell (near)	Canadian													.03			.06																.09
Melrose	Red						T.														.06		.07	.18		.03							.34
Miami Ranch	Canadian																		.18														.18
Montoya	do																							.10	.10								.20
Mount Dora (near)	do														.05						T.												.05
Nara Visa	do																					.54											.54
Optimo (near)	do																																
Pasamonte	do																																.00
Raton	do													.05				.38			.07				T.								.50
Roclada	do																						.50	.08									.58
Rosebud	do																				.06	.16											.22
Roy	do																							T.									T.
San Jon	do																				.01		.01	.01		T.							.03
Solano	do																				T.			.14									.14
Springer	do																	T.															T.
Taylor	do																																.00
Trementina	do						.07														.05												.12
Tucumcari	do																				T.	.10		.07									.17
Valley	Dry Cimarron.																		T.				.01			.16							.17
Vance	Canadian																				.16												.16
Vermejo Park	do											T.	T.					.16	.25			T.		T.									.41
Wagon Mound (near).	do																						T.	T.									T.
Texas.																																	
Amarillo	Canadian																				.40	.10											.50
Archer City	Red																									.08							.08
Arthur City‖	do	.60																	.70					.15			.60						2.05
Bonham	do																																

TABLE 2.—*Daily precipitation for March, 1911. District No. 7*—Continued.

Stations.	Watershed.	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	
Texas—Continued.																																	
Canadian	Canadian																					.02											02.
Childress	Red																																
Chillicothe	do																					.02				.10							.12
Clarendon	do	T.																				.15											.15
Clarksville	do	.72																	.50							.67	.23						2.12
Claude	do																				.74												.74
Dalhart ‖	Canadian														.10							.33											.43
Denison ‖	Red	.24																	.10				T.	.04			.44						.82
Finlay ‖	do	.50											.06						.68	.16			.06	.15			.60						2.21
Henrietta ‖	do	.05																	.45								.20						.70
Hereford	do																																
Lewis Ferry ‖	do	.50																	.51					.20			.30						1.51
Memphis	do																					.40											.40
Miami	Canadian																					.53											.53
Mobeetie	Red																																
Nazareth	do																				.25			T.									.25
Ochiltree	Canadian																				.21												.21
Pampa	do	.55																								.25							.80
Paris ‖	Red	.65						T.											.55	.01				.11			.70			T.			2.02
Plemons	Canadian																				T.	.18											.18
Quanah ‖	Red																																.00
Ringo Crossing ‖	do	1.16																	.51									.81					2.48
Romero	Canadian																				T.	.50											.50
Texline	do													T.	.10																		.10
Tulia	Red																				.76		.01	T.									.77
Wichita Falls	do															.25																	.25
Winfield	do				T.								.05						.88	.18			.08			.60			T.				1.79
Kansas.																																	
Alden	Arkansas																												.11				.11
Anthony	do																	T.				T.					T.						T.
Ashland	Cimarron								T.																								T.
Burlington	Neosho							.40														.01					.09		.06				.56
Chanute	do						.56					.20						.30					.25				.58		.10				1.99
Cimarron	Cimarron						.03						.70																T.				.73
Coldwater	do							T.																									T.
Columbus	Neosho																																
Coolidge	Arkansas											.60																					.60
Cottonwood Falls	Neosho						T.	.07														.01					.14		.01				.23
Council Grove	do																																
Cunningham	Arkansas						T.																										T.
Dodge City	do					T.		T.	T.			.15	.12														T.						.27
Eldorado	do																										.13		T.				.13
Ellinwood	do						T.	.01					.17														.11		T.				.29
Emporia	Neosho							.12																			.10		T.				.22
Eureka	Verdigris						.04										T.										.10		.02				.16
Fall River	do						.35										.20										.05						.60
Fargo	Cimarron						T.					.05																					.05
Fredonia	Verdigris	T.					.12	.01					T.					.40				T.					.21		.02				.76
Garden City	Arkansas						.36					.50															T.						.86
Great Bend	do																																
Greensburg	do						T.																										T.
Grenola	Verdigris																	.04					T.				.15		T.				.19
Howard	do																	T.				T.						T.	.30				.30
Hugoton	Cimarron							T.				.04																					.04
Hutchinson	Arkansas							.06																			.07		T.				.13
Independence	Verdigris	.10					T.		.13				.01					.28				T.					.06		.01				.59
Iola	Neosho						.04	T.				.02						.10				.01				.01	.32		.12				.62
Irene	Arkansas						T.	T.				.40														.04			.02				.46
Jetmore	do												.15																				.15
Kingman	do																										T.						T.
La Crosse	do							.22					.45																				.67
Lakin	do						.35					.31																					.66
Larned	do						T.	T.					.07														T.						.07
Lebo	Neosho						T.	.57				T.										.03					.03	T.	.02				.65
Le Roy	do																																
Liberal	Cimarron						.08						T.									T.											.08
Macksville	Arkansas						T.	T.	T.			T.	T.														T.		T.				T.
McPherson	do							.02																			.15						.17
Madison	Verdigris						T.	.06				T.										.01				T.	.12		.02				.21
Marion	Neosho						T.	.09	T.			T.															.10		T.				.19
Medicine Lodge	Arkansas																																.00
Medora	do																																
Mount Hope	do																										.05						.05
Neosho Rapids	Neosho																																
Ness City	Arkansas																																
Newton	do								.02																		.24						.26
Norwich	do	T.				T.																T.					T.		T.				T.
Oswego	Neosho						.05					.03						.64								.20			.05				.97
Plains	Cimarron																																
Pratt	Arkansas						T.																					T.					T.
Rome	do	.04																				.04					.05						.13
Sedan	Verdigris	.17						.22										.15								.09							.63
Toronto	do																										.22		T.				.22
Ulysses	Cimarron																																.00
Walnut	Neosho					T.	.44	.08					.24					.67				.10	.14				.16						1.83
Wellington	Arkansas					T.		T.	T.				T.														.05						.05
Wichita	do					T.		T.										T.				T.				T.	.09		.01				.10
Winfield	do																	T.									T.	T.	T.				T.
Yates Center	Verdigris	.10					.60															T.					.18	T.	.03				.91
Oklahoma.																																	
Ada	Canadian																	.50								.25						T.	.75
Alva	Arkansas																																.00
Apache	Red	.27																								.02							.29
Arapaho	Washita																					.43				T.							.43
Ardmore ‖	Red	.15																	.90					.58			.16						1.79
Arnett	Canadian																																
Bartlesville	Arkansas																	.11				T.				.07							.18
Beaver	Canadian	.45																															.45

TABLE 2.—*Daily precipitation for March, 1911. District No. 7*—Continued.

Stations.	Watershed.	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	
Oklahoma—Cont'd.																																	
Blackburn	Arkansas																	.21									.09						.30
Cache	Red	.32																															.32
Calvin	Canadian	.25			.05														.90					.05			.17						1.42
Chandler ‖	do	.28																	.58								T.						.86
Chattanooga	Red	.11																								T.							.11
Chickasha	Washita																	T.								T.						T.	T.
Cloud Chief	do	.19																															.19
Durant ‖	Red	.26																	.12				T.	.11			.51						1.00
Eldorado	do	.04																				.08				T.							.12
El Reno	Canadian	.04																															.04
Enid ‖	Cimarron	.20																															.20
Erick	Red																					.42											.42
Fairland	Arkansas	.15											.07					.85	.01				.05			T.	.47						1.60
Fort Gibson	do	.33	T.		.04	T.													1.06					T.			.39			.01			1.83
Frederick	Red	.09																T.				T.				T.							.09
Goodwell	Canadian																				T.												T.
Guthrie	Cimarron	.27																															.27
Guymon	Canadian																																.00
Harrington	Red																																.00
Hartshorne	Canadian	.26																															.26
Healdton	Red																		.63				T.			.10							.73
Helena	Cimarron																					T.				T.							T.
Hennessey	do																	T.								T.							T.
Hobart	Red	.08																T.				T.				T.							.08
Holdenville ‖	Canadian	.42																	.36					.11			.23						1.12
Hooker	do																					T.											T.
Hurley	do													T.							T.												T.
Idabel	Red																																
Jefferson	Arkansas								.02																		.05						.07
Kenton	Cimarron				T.							T.	T.	T.												.01		T.					.01
Kingfisher	do	.20																T.				T.	T.			T.	T.						.20
McAlester	Canadian											.26						.51								.49							1.26
McComb	do																																
Mangum ‖	Red	.16																				.15											.31
Marlow ‖	Washita																																
Meeker	Canadian																																
Muskogee	Arkansas				T.													.28	.70						T.	.40		T.					1.38
Mutual	Canadian																																.00
Neola	Washita																	T.				T.				.02							.02
Newkirk	Arkansas																	.14															.14
Norman	Canadian																																
Oakwood	do	.04																				.18											.22
Okeene	Cimarron	.19																					.01			T.			T.				.20
Oklahoma	Canadian																	T.					T.			.02							.02
Okmulgee	do																																
Pauls Valley	do																	T.	.11				T.			.16							.27
Pawhuska	Arkansas	.17																.10									.08		T.				.35
Perry	do	.04							T.									T.				T.					.01						.05
Ravia	Washita																		.55				.16			.15							.86
Sac and Fox Agency	Canadian																									T.							T.
Shawnee ‖	do	.24					.13												.37								.06						.80
Snyder	Red	.10																								T.							.10
Stillwater ‖	Cimarron	.45																	.16								.05						.66
Tulsa ‖	Arkansas	.36											T.						.52								.09	T.		T.			.97
Vinita	do																	.94	.04										.03				1.01
Wagoner	do				T.													.67	T.							.20	.15		T.				1.02
Waukomis	Cimarron	.08																T.				T.											.08
Waurika	Red	.03				T.							T.					T.	.12				T.			.08							.23
Weatherford ‖	Canadian	.30																				.02				T.							.32
Webbers Falls	Arkansas	.44			.06		T.												.67								.52		T.				1.69
Whiteagle	do	.14																															.14
Woodward	Canadian																																.00
Missouri.																																	
Belle	Meramec							.60										.23	.17								.50		.02			T.	1.52
Birch Tree	Black						.32																.12	.26	.67					.22			1.33
Cape Girardeau ‖	Mississippi	.20				T.	.06	.02											.01								.03						.32
Caruthersville	do	T.				T.	.26						T.										T.				.45		T.	.10			.81
Cassville	White	.15																	1.20			.02				.65	T.		.05				2.07
Dean	Neosho	.58	.04															.89	.10										1.06	.02			2.69
Doniphan	Black	.25					.25											T.				.12				.70			.35				1.67
Gano	Meramec	.37				.06	.15	.15					T.					.08	.42				.12				.42		.07	.16			2.00
Goodland	Black	.55						.30											.22				.09				.65			.21			2.02
Greenville	Mississippi	.30				T.	.62	T.											T.				T.				.60		T.	.28			1.80
Hollister	White						.30												.55				.15				.65		.15				1.86
Ironton ‖	Mississippi	.42				.05	.05	.15						T.					.08				.08				.72	T.		.18		T.	1.73
Jackson	do	.30				.12													.11				.02				.72	.18					1.45
Joplin	Neosho						.01												.10								.58			T.			.69
Koshkonong	Black	.22					.34												T.			T.				T.	.63		.09	.08			1.36
Lamar ‖	Neosho	.45				T.	.02	.72					T.						.40				.15				.43			.09			2.26
Marble Hill	Mississippi	.40																									1.10						1.50
Mountaingrove	White	.50					.40						T.						.34								.53		.06				1.83
Mount Vernon	Neosho	T.					.67						.06					.58	.30				T.			.02	.54						2.24
Neosho	do	.19											.10					.58	.47								.48		.12	T.			1.94
New Madrid ‖	Mississippi	.50	.01			.01	.02																.06				.56	.04		.30			1.40
Oakfield	Meramec	.07				.06	T.	.74					T.					.38					.01				.85			T.		0.46	2.57
Olden	White	T.					1.07																				.82		T.				1.89
Perryville	Mississippi	.50				.50	.01																				.50						1.51
Rolla	Meramec					.14	.12	.49										.56	.11				.41				.39		.01				2.23
Springfield	White	.06					1.05					T.						.86				.02				.16	.11		.02				2.28
Steelville	Meramec																	T.									.29		T.				.29
Kentucky.																																	
Blandville	Mississippi					.04	.07	.02		.18			T.										.02			.49	.03		.03				.88
Lynville	do																																
Tennessee.																																	
Arlington ‖	Mississippi																																
Bolivar ‖	do	.16				.03			.03										.05								1.20			.26			1.93
Brownsville ‖	do	.53	T.				T.	T.	T.					T.					.30	.37							.90	T.	.38				2.48

TABLE 2.—*Daily precipitation for March, 1911. District No. 7*—Continued.

Stations.	Watershed.	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.
Tennessee—Cont'd.																																	
Covington ‖	Misissippi	.55																		.40							.70			.27			1.92
Dyersburg ‖	do						T.																				.75	T.		.25			1.00
Jackson	do	.52				T.	.06	.05											.25	.42							.38			.21	T.		1.89
Kenton	do	.35					.16	.06												.01			T.				.67		T.	.15			1.40
Memphis	do	.16				T.							T.						.15	.21			T.			.61	.32		.17				1.62
Milan ‖	do	.43				.12	.01	.01	.08										T.	.38	T.			T.			.38	T.		.33			1.74
Trenton	do	.39				T.	T.	T.												.20			T.				.72			.21			1.52
Union City	do	.37				.02	.12																				*			.55			1.06
Arkansas.																																	
Alicia	White																										.95		.20				1.15
Amity	Ouachita	.73				T.	T.						.14						.34				.25			.88	.36		.13				2.83
Arkadelphia (near)	do	1.18																	.45				.16			1.02			.12				2.93
Arkansas City ‖	Mississippi	.46																	.54	.10				.08			2.04			.16			3.38
Batesville ‖	White	.48	.08											T.					T.				T.	.06			.80			.32			1.74
Bee Branch	Arkansas	.50				.10												.10				.20			.10	1.00				.20			2.20
Benton	Ouachita	.70																	.30								.73		.22				1.95
Bentonville	Arkansas	.08										.12						.62	T.				.09			.67	.10		.09				1.77
Bergman	White	.12																	.15				.30			.28	.40		.09				1.34
Black Rock ‖	do	.20	.20				.03																T.				.69	.17		.41			1.70
Brinkley ‖	do	.51				.25													.26								1.02			.36			2.40
Calico Rock ‖	do	.25																	T.				T.	T.			.50						.75
Camden ‖	Ouachita	.48																	.51					.12		.02	.67						1.80
Centerpoint	Red	.90			T.								.15					.80					.22			.90			.17				3.14
Clarendon ‖	White	.50				.35													.60	.06				.03			1.30			.20			3.04
Conway	Arkansas	.35			.28								.07						.15	T.			.06			.39	.52		.11				1.93
Corning	White	.24					.74						T.														.64	.10		.18			1.90
Dardanelle ‖	Arkansas	.54				.42													.14				.06	.20			1.05			.05			2.46
Dodd City	White	.27																					.42			*	.63						1.32
Earl	St. Francis																																
Eldorado ‖	Ouachita	.36	T.											T.					.61	T.				.18			.48			.01			1.64
England ‖	Arkansas	.50	T.			2.25	T.												.50					T.			1.05			.23			4.53
Eureka Springs	White	.23											T.					T.	.58				.35			T.	.67		.11				1.94
Fayetteville	do	.16																	.60				.06			.11	.66		.08	.02			1.69
Fordyce	Ouachita																		.54				.03			.65			.04				1.26
Fort Smith	Arkansas	.15			.18							.13	.01					.54	.16				.05			.73			.02				1.97
Fulton ‖	Red	.80																		.44							1.20						2.44
Hardy	White	.15				T.	.50																.01			.15	.35	T.	.25	.05			1.46
Helena ‖	Mississippi	.62				.22													.10	1.20				.12			1.10			.20			3.56
Hot Springs	Ouachita				.02														.23	.11			.09			.78	.42						1.65
Huttig	do	.24																	.59				.52			.25	.94						2.54
Jonesboro	White																										.70			.30			1.00
Junction	Ouachita	.51											T.					T.					.19			.62							1.32
Lake Farm	Arkansas	.86																	.32							1.21			.22				2.61
Lewisville	Red	.35											T.						.72				.10			1.00	.05		.01				2.23
Little Rock	Arkansas	.06			.41	T.							T.					T.	.16				.09			1.12	.09		.17				2.10
Lutherville	do	.31			T.	.11													.05				.40			.49	.54		.05				1.95
Malvern ‖	Ouachita	.75	.10																.43	T.				.17			1.30			.12			2.87
Mammoth Spring	White						.07												.43								.51			.30			1.31
Marked Tree ‖	St. Francis	.42	.21																	.14							.76			.29			1.82
Mena	Ouachita	.36			T.														.61				.15			.96	.16		.08				2.32
Newport ‖	White	.32				.02														.45							.90			.15			1.84
Ozark	Arkansas			.03	.29								.10						.41				.09		.70	.29			.09				2.00
Pine Bluff ‖	do	.92				T.													.30					.08			1.15			.14			2.59
Pocahontas	White	.26					.28																				.90			.95			2.39
Pond	Arkansas	.26				.02												.50	.34				.36			*	1.08		.02				2.58
Portland ‖	Ouachita	.37	.03																.35	.07			.31				1.96			.10			3.19
Prescott ‖	do	.72	.02										T.						.92					.13			1.04			.07			2.90
Rogers	Arkansas												.12					.12	.48			.62				.08	.63		.06				2.11
Springbank ‖	Red	.24	T.			.03							T.		T.				.75	T.				.11		T.	.72			T.			1.85
Stuttgart	Arkansas	.71			.19														.48				.05			1.11				.23		T.	2.77
Subiaco	do				.54													T.	T.				.52			.42	.27		.02				1.77
Swain	White	.32			.02	.03	.01		T.				.06					T.	.20				.11			.21	.60		.12	.03			1.71
Texarkana ‖	Red	.45																	.80	.06				.08			.93						2.32
Warren ‖	Ouachita	.40																	.77					.16			.70						2.03
Whitecliffs ‖	Red	1.13	T.										.17						.85					.18		T.	1.00						3.33
Wiggs	Ouachita	.60			.06	T.							.15						.30				.10			.71	.37	.04	.29				2.62
Wynne ‖	St. Francis	.40																	.05	.15							.61			.35			1.56
Mississippi.																																	
Anguilla	Yazoo	.07																	.22	.10			.08			.10	1.90			.06			2.53
Austin	do	.64				.23	T.												T.	.70			T.	T.		.15	.55		T.	.22			2.49
Batesville ‖	do	.49				.10								.07					.37	.09				.13			1.75			.13			3.13
Big Creek	do	.48			T.								.30						.25	.17			T.	T.		*	1.55			.10			2.85
Byhalia	do	.36				.06													.37	.42			.06				1.02			.13			2.42
Canton	Big Black	.07												.33					.06	.24			.01			.66	.30			.17			1.84
Charleston	Yazoo																																
Clarksdale ‖	do	.74				.06								T.					.44	.07	.03			.05			1.32			.19			2.90
Coffeeville	do	.71			.06	T.								.18					.45	.91			.06	.01		.12	1.15	.01		.45			4.11
Corinth ‖	Mississippi	.36	.02			.02	.05							T.					.04	.22	.15			T.			1.20	.07		.14	T.		2.27
Crenshaw	Yazoo	.47			T.	.20													.15	.73			.10			.06	1.10			.11			2.92
Denmark	do	.50				.06								.18					.40	.42			.05	.06		.07	1.23			.13			3.10
Duck Hill	do	.31												.36					.54	T.			T.			T.	1.58						2.79
Edwards	Big Black	T.												.40					.03	.45			T.			.63	.43						1.94
Enid	Yazoo	.62				.06	T.							.10					.50	.38			.10			.07	1.24	T.		.21			3.28
Fayette	Mississippi	T.																	.08	.40			.20			.57	.25						1.50
Greenville ‖	Yazoo	.51				T.													.44	.04				.22		T.	1.90			.10			3.21
Greenwood ‖	do	.39	.04			T.								.32					.22	.48				.08			1.70			.04			3.27
Grenada	do													T.					.63	.07					T.	.19	1.30			.07			2.26
Hernando ‖	do	.45	T.			.02													.24	.66	T.			T.			1.03	T.		.16			2.56
Hickory Flat	do	.50				.08								.30					.31	.40			.05			T.	1.30			.10			3.04
Holly Springs	do	.50					.07												.27	.50				.04			1.53			.12			3.03
Kosciusko ‖	Big Black	.16	.02											.38						.33	.02			.02			.80	.01		.09			1.83
Lake Cormorant	Yazoo	.42				.06													.28	.30			.03			.02	.82	.07		.20			2.20
Lula	do	.49			.05	.12													.11	.79			.07			.08	1.11			.17			2.99
Malone	do	.36				.08	.01							.03					.42	.53			.06			.03	1.44			.10			3.06
Marks	do	.64			T.	.08								.03					.46	.07			.16			.11	1.31			.14			3.00
Natchez ‖	Mississippi		T.													T.				.12	.39			.16			.83	T.		T.			1.50
New Albany	Yazoo	.41				T.								T.					.35	.27			T.			T.	1.16			.16			2.35
Pontotoc	do				.04	.03							.14	.10						.38			.25	.20		.25	.20		.55	.30			2.94

TABLE 2.—*Daily precipitation for March, 1911. District No. 7*—Continued.

Stations.	Watershed.	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	
Mississippi—Con.																																	
Port Gibson ‖	Mississippi		0.01											0.13		T.				0.06	T.			0.11			0.90			0.13			1.34
Rosedale ‖	Yazoo	0.40				0.04								.15					0.60	.10	0.05			.15			1.85	0.05		.12			3.51
Senatobia	do	.50				.05	T.												.30	.53			0.05			T.	1.34			.13			2.90
Shoccoe	Big Black	.08												.25					.04	.15			T.			0.09	.24						.85
Suffolk	Mississippi	T.																	.07				.15			1.07	.07		0.04			T.	1.40
Swan Lake ‖	Yazoo	.25																	.60	.46			T.				1.83	.10		.23			3.47
Tchula	do													.49					.40	.10			T.			.39	1.31		T.				2.69
University	do	.42			T.	.09								.27					.38	.32			.11			T.	1.15			.14			2.88
Utica	Mississippi	.04												.04	T.					.20			.10			.68	.16						1.22
Vicksburg	do	.01											0.03	.13					.14	.37			.02			.82	.19		.09				1.80
Water Valley	Yazoo	.10				.10							.21						.70	.40						1.60	T.	.08	.20				3.39
Woodville	Mississippi																		.07	.13			.06			.58	.15			.45		0.07	1.51
Yazoo City ‖	Yazoo	.06	T.											.06						.06	.38			0.12			1.08	.20		.18			2.14
Louisiana.																																	
Abbeville	Coast	T.												.10	0.12					.34	1.10		1.01	.08	T.	.61						.21	3.57
Alexandria ‖	Red													.15						.33				.41			1.25						2.14
Amite ‖	Coast			T.											T.					.90	.15		.70	T.		1.00							2.75
Baton Rouge ‖	do		T.													0.01				.15	.32			1.60		.07	.47						2.62
Burnside	do															T.			.20				1.35			.63	.03					T.	2.21
Burrwood	do																			18			1.12	T.		.22							1.52
Cades	do	.10												.05					.13	.66			1.26	T.	T.	.86						T.	3.06
Calhoun	Ouachita	.03													T.				.33	.13			.28			1.91			T.				2.68
Cameron	Coast																		.25	1.58			.42		T.	.52						.95	3.72
Carrollton	do																																
Cheneyville ‖	Red																		.40	.20							1.28						1.88
Cinclare	Coast																		T.	.50			1.08		0.05	.48							2.11
Clinton ‖	do		T.						T.							T.				.05	.10			.28	T.	T.	.15	T.		T.			.58
Collinston	Ouachita	.10																	.30	T.			.22			.17	1.50			.10			2.39
Covington ‖	Coast																			.05	.31			.85			.70	.62				T.	2.53
Dodson	Red	.05													T.				.46	.20			.31			1.00	.61			.08			2.71
Donaldsonville ‖	Coast	T.														.05				.25	.35			3.45		.25	1.05						5.40
Farmerville ‖	Ouachita																	0.60	T.					.30	.06		1.25						2.21
Ferriday	do																			.05		.48				.79	.23						1.55
Franklin ‖	Coast		T.													.02				.12	.17			2.10	T.	.21	.36	T.					2.98
Grand Cane	Red	.07													.04				.67	.29			.36			1.14	.05						2.62
Grand Coteau	Coast	T.					T.									.05			.12	.82			.70	T.		.86	.03					.03	2.61
Hammond	do																			.38			.88	T.		.60	.15						2.01
Houma	do																			1.00			.50			.40	.20						2.10
Jena	Red												1.20						.20	.10			.15				.90						2.55
Jennings ‖	Coast															.09				1.10				.62			.95	.02					2.78
Lafayette ‖	do															.05				.71	.02			1.18		.05	.80						2.81
Lake Charles ‖	do															.20				1.15				.50			1.00						2.85
Lakeside	do															.08			.31	1.50		.71			.12	.48						.75	3.95
Lawrence ‖	do																							.37	.05	.14	.27	.21					1.04
Leesville	Sabine																		.28	.63			.72			.84	.02						2.49
Liberty Hill	Red	.10																	.40	.10						.90	.59		.30				2.39
Logansport ‖	Sabine														.02				.77	.75				.80		.18	1.05						3.57
Melville ‖	Red						0.04								T.	T.				.48	.03			.43		.07	.67	T.					1.72
Minden ‖	do	.14				0.16								T.		T.			.48	T.				.58			.65						2.01
Monroe ‖	Ouachita	T.																		.40				.60			2.00						3.00
Morgan City ‖	Coast															.05				.06	.27			.98		.05	.12						1.53
Newellton	Mississippi																																
New Iberia	Coast	T.												T.					.20	1.19			1.75	T.	T.	.50	.05					10	3.79
New Orleans (1)	do	T.	.03											T.	T.	.05				.23			4.16	.01		1.28	.06						5.82
New Orleans (2)	do		.04													.05				.22			2.84			.95	.13						4.23
New Orleans (3)	do		.01											.01		.04				.25			4.94			.86	.04						6.15
New Orleans (4)	do		.03													.05				.21			2.74			.93	.07						4.03
New Orleans (5)	do		.01													.01							1.77	.01		1.10	.11						3.01
New Orleans (6)	do		.03													.04				.23			3.67	.02		1.17	.07						5.23
New Orleans (7)	do		.01													.04				.18			6.13			1.20	.04						7.60
New Orleans (8)	do		.02													.04				.22			3.02	.01		1.48	.05						4.84
Opelousas ‖	do		T.																	.56	.12			.47	.04	.09	.80	.06					2.14
Paradis	do																																
Pearl River	Pearl															.02					T.			1.04	.01	.06	1.44	.02					2.59
Plain Dealing	Red	.28			0.29														.87				.13			.57	.05						2.19
Rayne ‖	Coast															.05				1.10	.10			.82		.08	.45						2.60
Reserve ‖	do																			.30	.20			2.46		.24	1.09						4.29
Robeline ‖	Red															T.			.35	.25				1.15			1.85			.10			3.70
Ruston	Ouachita																		.30				.35			1.60							2.25
St. Francisville ‖	Mississippi																				T.			1.15									1.15
Schriever ‖	Coast		T.	T.												.03				T.	.95			1.32		.08	.32						2.70
Sheridan	Pearl															T.				1.20			.40	.10		.50	.15			T.		T.	2.35
Shreveport	Red	.20			.13										T.				.64	.01			.47			.87					T.	T.	2.32
Simmesport ‖	do															T.				.28	.02			.37		.03	.84	.11					1.65
Sou. Univ. Farm	Coast														T.				T.	.78			4.01	.02		.99	.10						5.90
Sugartown	do																		.90	.80						.87	.12					.66	3.35
Tallulah	Mississippi	.08												.76					.10	.24			.38			.95					0.25		2.76
Walker	Coast																			1.60			1.40			.60							3.60

TABLE 3.—*Maximum and minimum temperatures at selected stations, March, 1911. District No. 7, Lower Mississippi Valley.*

Date.	Colorado.						New Mexico.				Texas.				Kansas.										Oklahoma.			
	Lamar.		Leadville.		Pueblo.		Albert.		Cimarron.		Amarillo.		Paris.§§		Dodge City.		Ellinwood.		Iola.		Luberal.		Wichita.		Ardmore.§§		Bartlesville.	
	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....	42	2	36	8	39	2	49	11	45	0	36	21	41	35	37	6	40	5	34	17	39	1	33	12	44	28	40	23
2....	48	14	29	8	55	18	56	17	43	12	47	29	58	29	43	21	50	17	43	10	49	21	43	18	60	26	60	24
3....	50	21	36	15	48	24	59	23	46	20	58	33	73	29	46	29	53	28	47	22	52	25	48	31	74	38	66	35
4....	44	29	41	18	52	30	55	32	41	25	60	34	69	37	47	32	47	30	45	31	48	28	44	32	77	45	79	36
5....	65	30	38	22	65	36	69	40	61	32	74	44	76	41	65	36	69	37	69	44	72	32	67	38	74	47	74	46
6....	63	37	42	17	64	32	67	41	59	34	72	48	80	56	51	37	62	38	59	51	69	38	62	50	82	56	77	55
7....	75	34	40	15	66	35	71	34	62	32	74	47	87	65	59	42	55	41	56	42	56	40	55	43	75	58	55	53
8....	80	36	42	24	72	41	78	42	65	35	78	42	90	53	73	42	67	41	63	42	76	37	63	41	90	45	77	42
9....	70	36	45	28	62	45	79	42	69	43	83	45	93	57	71	40	75	40	73	46	70	38	73	46	94	60	81	49
10....	73	44	41	29	73	34	79	42	70	36	83	46	92	62	72	42	64	43	69	45	80	41	71	47	89	56	75	46
11....	69	43	29	19	61	35	76	34	60	39	73	42	91	60	78	50	73	54	80	53	76	43	73	53	88	54	87	49
12....	47	29	40	9	47	34	62	32	50	27	51	35	67	60	47	30	59	31	60	34	55	30	53	34	64	46	55	41
13....	66	31	40	5	56	31	56	31	52	24	56	28	68	40	53	28	58	26	52	29	55	24	54	31	63	37	55	31
14....	70	29	40	9	66	31	68	34	59	24	67	33	70	43	68	32	72	34	66	28	70	29	69	35	70	37	70	28
15....	63	26	45	10	63	29	59	34	61	29	57	35	71	41	49	30	61	31	51	25	60	30	53	29	65	42	50	40
16....	71	29	41	17	65	32	63	41	64	31	73	32	63	36	72	29	69	26	55	24	72	32	62	26	69	32	65	23
17....	68	38	37	21	52	34	58	39	53	31	64	38	76	37	53	40	57	37	59	37	67	40	57	37	76	45	62	40
18....	63	25	37	12	64	32	65	29	56	19	64	31	56	49	56	26	55	25	52	28	60	25	54	26	56	45	57	32
19....	72	45	50	9	66	31	70	39	62	32	72	41	75	47	72	34	73	30	68	33	73	29	70	37	74	42	67	35
20....	81	44	47	14	71	32	68	46	65	32	71	43	81	46	78	44	82	32	80	39	78	29	80	45	79	45	84	40
21....	76	43	42	23	68	47	62	34	64	29	74	44	81	46	75	51	78	50	74	52	75	47	73	55	81	48	81	50
22....	70	41	42	19	52	35	72	43	55	37	60	44	70	54	60	37	70	40	61	40	67	41	64	41	77	60	67	51
23....	63	27	44	19	63	28	51	38	47	27	51	35	69	50	56	30	67	24	58	28	57	27	57	31	65	43	67	34
24....	76	38	40	21	67	28	68	35	62	25	57	39	67	44	64	31	65	30	60	34	63	37	62	36	65	45	65	30
25....	75	33	36	21	67	35	68	34	62	36	66	43	58	44	70	41	71	41	67	38	72	41	67	46	60	45	67	34
26....	76	33	24	1	48	29	60	31	54	33	61	34	76	46	53	31	62	35	64	34	62	38	60	35	72	50	69	49
27....	72	16	34	6	66	17	72	25	63	17	68	26	64	38	64	22	68	25	63	30	65	20	64	30	65	35	65	31
28....	72	32	36	6	58	30	78	30	68	39	58	43	78	38	57	38	66	41	61	30	63	39	54	35	72	45	65	34
29....	76	29	41	17	75	37	74	39	72	45	70	37	81	41	66	35	66	35	60	28	71	35	65	35	81	42	74	40
30....	74	58	42	21	73	31	70	36	70	23	67	40	74	43	70	39	66	40	58	34	71	30	63	43	73	48	65	44
31....	69	36	44	21	65	39	75	42	68	37	69	45	64	48	60	39	65	33	55	36	66	45	57	37	80	48	64	34
Mns..	67.1	32.5	39.4	15.6	61.6	31.4	66.4	34.5	59.0	29.2	65.0	37.9	72.9	45.6	60.8	34.3	64.0	33.5	60.1	34.3	64.8	32.6	60.3	36.6	72.7	44.9	67.3	38.7

Date.	Oklahoma.														Missouri.										Lynnville, Ky.		Jackson, Tenn.	
	Enid.§§		McAlester.		Mangum.§§		Muskogee.		Oklahoma.		Weatherford.§§		Woodward.		Caruthersville.		Ironton.§§		Lamar.§§		Olden.		Springfield.					
	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....	40	20	37	30	61	24	36	28	38	24	39	21	39	17	38	30	40	25	37	20	34	24	29	23	.....	.....	56	32
2....	53	20	59	24	72	28	58	23	57	30	59	24	52	23	56	27	51	24	45	20	51	22	45	23	.....	.....	52	28
3....	55	25	74	40	70	34	74	35	69	36	61	32	57	28	70	26	65	29	60	21	67	36	61	37	.....	.....	65	33
4....	60	32	70	48	72	39	65	46	60	43	60	38	51	28	59	39	52	32	54	33	60	34	54	35	.....	.....	67	41
5....	73	36	75	47	83	46	71	48	74	48	78	42	77	40	67	40	65	33	69	33	70	41	71	44	.....	.....	69	43
6....	78	41	78	65	80	54	78	59	75	58	79	51	75	45	67	56	59	53	66	50	67	55	64	57	.....	.....	75	60
7....	64	49	79	68	71	45	73	55	66	49	65	49	.....	.....	84	50	65	46	51	50	71	50	60	44	.....	.....	81	59
8....	80	24	81	40	90	40	77	40	84	42	68	40	80	42	66	44	64	33	70	43	60	41	60	41	.....	.....	69	45
9....	80	44	96	75	93	47	94	55	89	58	88	41	74	46	87	55	85	45	75	43	89	44	81	50	.....	.....	82	45
10..	81	48	85	55	92	46	79	54	84	47	84	47	81	40	79	46	68	39	71	45	74	45	67	48	.....	.....	75	49
11....	85	49	89	65	90	43	90	59	85	61	84	49	83	55	91	52	88	42	85	47	88	43	85	54	.....	.....	79	54
12....	75	46	86	51	55	41	84	46	65	40	59	41	73	36	82	58	71	65	45	43	80	41	75	36	.....	.....	.....	.....
13....	57	30	63	37	63	30	63	32	57	30	60	50	57	26	60	38	55	34	52	29	58	34	48	31	.....	.....	.....	.....
14....	73	32	72	35	74	30	70	31	69	34	74	32	72	29	67	31	61	22	64	28	59	42	58	32	.....	.....	63	31
15....	53	34	66	45	60	34	61	42	56	36	56	38	59	38	59	33	44	30	43	29	60	28	50	24	.....	.....	68	33
16....	68	27	63	29	75	32	61	26	68	30	72	30	74	29	46	23	45	15	55	23	45	17	47	21	.....	.....	50	22
17....	69	28	75	51	77	34	71	45	70	50	60	39	67	48	70	24	68	31	65	27	70	30	65	38	.....	.....	72	30
18....	73	30	68	42	67	35	57	37	59	33	65	32	60	26	70	38	53	33	55	30	64	39	50	33	.....	.....	68	42
19....	84	33	77	46	81	36	83	42	74	40	84	34	76	38	75	47	68	35	67	31	67	37	60	40	.....	.....	61	44
20....	85	45	83	49	82	42	82	57	79	48	81	48	81	42	84	33	77	32	78	43	79	41	74	47	.....	.....	78	33
21....	80	47	81	57	85	42	75	60	83	56	84	53	82	54	85	43	79	34	80	46	76	46	73	53	.....	.....	80	40
22....	74	51	75	64	67	55	65	35	68	49	61	53	65	47	78	56	66	52	63	48	72	54	63	43	.....	.....	75	56
23....	77	33	67	41	65	38	65	42	61	35	62	36	59	28	61	39	55	31	59	32	59	34	55	34	.....	.....	69	39
24....	67	37	69	38	68	41	64	46	64	41	67	36	64	29	61	35	58	21	64	33	58	27	56	36	.....	.....	62	33
25....	63	38	63	45	60	48	68	52	61	45	68	46	68	45	73	43	70	27	68	36	65	33	63	41	.....	.....	72	43
26....	55	35	71	54	71	48	65	34	68	38	68	53	62	44	73	50	64	48	65	38	62	47	60	34	.....	.....	72	50
27....	65	30	65	36	68	29	71	42	64	30	67	28	66	25	66	39	55	32	60	29	59	31	54	31	.....	.....	70	44
28....	60	31	72	45	68	42	77	32	64	47	64	36	61	48	71	33	67	25	65	35	65	33	64	31	.....	.....	69	31
29....	71	36	81	38	83	40	70	45	76	40	78	36	74	39	69	37	63	35	60	30	65	31	56	30	.....	.....	66	39
30....	71	40	75	43	76	45	69	46	68	39	76	40	72	34	60	42	51	33	56	34	54	36	50	37	.....	.....	65	44
31....	64	41	80	49	80	42	71	45	72	48	72	47	68	45	58	35	49	33	57	38	61	36	50	38	.....	.....	66	32
Mns..	66.7	35.9	73.5	46.8	74.1	39.7	70.5	43.0	68.6	42.1	69.1	40.1	67.6[a]	37.1[a]	68.8	40.1	62.0	34.5	61.4	35.1	64.8	37.2	59.6	37.6	.....	.....	68.8[b]	40.5[b]

TABLE 3.—*Maximum and minimum temperatures at selected stations for March, 1911. District No. 7*—Continued.

Date.	Tennessee.				Arkansas.																		Mississippi.					
	Memphis.		Union City.		Bentonville.		Corning.		Dardanelle.§§		El Dorado.§§		Fort Smith.		Little Rock.		Pine Bluff.§§		Texarkana.§§		Wynne.§§		Clarksdale.§§		Corinth.§§		Greenville.§§	
	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	39	32	36	30	32	27	37	29	43	35	44	37	38	32	42	33	46	38	44	37	48	48	42	35	40	34	43	38
2	54	31	52	28	56	24	55	27	60	30	61	31	58	28	57	32	60	28	57	30	60	33	56	32	54	30	56	36
3	65	42	67	36	68	38	69	37	72	31	70	32	71	36	68	37	60	35	70	36	69	32	68	32	67	30	69	34
4	61	50	60	41	59	36	67	40	65	38	71	37	58	47	57	48	59	50	67	43	73	45	60	41	68	36	70	40
5	71	48	64	39	68	48	67	42	74	47	80	50	72	48	74	48	78	48	79	53	70	53	77	48	71	46	82	49
6	76	63	67	58	73	59	66	59	80	53	82	57	78	60	78	62	82	63	82	62	80	58	81	52	79	46	84	61
7	80	48	78	51	67	45	79	52	82	58	87	65	72	53	85	56	87	67	87	65	86	63	85	65	81	64	85	63
8	64	45	64	43	74	43	66	45	65	46	86	55	69	47	64	46	68	48	87	57	69	53	68	48	71	44	75	51
9	87	55	81	45	87	58	87	46	91	47	90	55	91	55	89	56	90	62	90	62	90	54	89	48	76	44	90	51
10	74	57	79	44	76	48	84	45	76	48	86	62	76	56	75	60	80	62	89	64	76	57	79	58	78	52	85	63
11	85	63	86	53	86	60	86	47	91	47	90	60	90	58	87	58	88	60	82	62	91	56	88	60	86	56	91	61
12	75	46	78	50	68	39	81	47	64	47	78	61	68	45	74	45	78	64	72	61	81	61	81	63	85	60	86	63
13	49	39	51	38	55	34	58	38	64	44	56	46	62	43	58	43	56	44	60	44	62	40	50	44	46	42	51	48
14	61	40	62	33	63	30	63	31	69	35	60	39	66	37	66	42	65	39	63	45	61	32	64	35	64	36	63	37
15	58	36	54	38	48	28	60	38	64	45	71	43	56	38	60	38	67	43	70	41	60	41	66	40	60	36	70	42
16	47	26	46	22	57	22	47	23	54	26	61	33	56	30	51	30	54	32	60	35	50	26	53	29	48	24	57	33
17	67	40	68	30	66	44	68	34	73	30	75	36	73	41	70	40	70	37	74	38	69	36	70	32	66	25	72	36
18	60	43	63	44	52	40	67	42	61	42	74	41	55	48	60	48	55	52	62	45	61	45	59	41	56	37	70	43
19	68	45	70	35	67	44	73	45	75	47	72	50	73	50	71	47	70	48	71	50	79	42	69	41	68	48	69	54
20	77	48	80	40	78	43	82	38	83	38	81	48	80	43	79	47	80	42	78	45	89	39	78	41	76	40	79	43
21	77	58	80	41	75	52	80	42	83	37	83	46	80	52	78	56	80	46	80	50	80	38	80	41	78	42	82	46
22	68	55	83	56	63	47	73	60	71	44	65	51	72	56	65	59	78	60	67	55	70	56	66	49	74	48	67	52
23	56	43	59	36	58	38	65	37	64	42	65	50	63	45	59	47	67	47	64	52	60	37	60	45	58	40	63	48
24	60	38	62	32	63	37	60	29	64	37	70	39	62	42	61	39	67	38	66	43	51	30	65	38	65	34	67	39
25	67	50	71	41	64	40	70	39	62	37	61	42	62	45	62	46	62	48	58	50	69	45	63	42	66	38	66	44
26	73	50	71	49	63	35	70	50	70	40	79	53	65	44	67	52	76	53	77	50	71	47	76	52	73	50	77	51
27	59	42	70	35	57	32	67	38	64	38	67	45	60	37	61	41	66	41	63	42	62	33	63	45	60	50	66	49
28	67	45	68	39	65	32	67	39	72	33	77	36	67	39	70	42	73	35	65	44	68	35	70	37	66	38	74	37
29	67	41	68	45	66	30	67	37	76	34	77	41	75	36	75	41	74	42	67	45	70	31	71	41	66	40	73	43
30	57	47	70	46	57	41	61	42	67	40	72	49	63	49	62	50	66	48	70	46	60	41	64	45	57	42	67	46
31	69	43	68	46	65	41	55	38	78	39	85	47	76	45	75	45	80	42	80	49	75	34	80	41	72	34	82	42
Mns.	62.5	45.5	67.0	40.8	64.4	39.8	67.6	40.5	69.9	40.5	73.4	46.4	68.0	44.7	67.7	46.3	70.4	47.2	70.4	48.4	69.7	43.3	69.1	43.9	66.9	41.5	72.0	46.5

Date.	Mississippi.						Louisiana.																					
	Kosciusko. §§		Natchez. §§		Vicksburg.		Alexandria. §§		Baton Rouge. §§		Covington. §§		Lafayette. §§		Lake Charles. §§		Monroe. §§		New Orleans.		Robeline.§§		Schriever. §§		Shreveport.	
	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	43	41	50	47	51	40	50	49	63	58	75	52	73	55	75	33	49	43	73	52	47	44	82	49	45	40
2	57	39	65	42	58	41	65	44	65	47	67	43	74	44	69	32	36	41	61	46	44	40	69	46	60	33
3	69	31	77	40	70	43	75	37	69	48	70	38	78	41	85	30	73	29	69	50	74	33	76	41	72	39
4	73	36	84	40	76	52	84	37	78	51	79	40	81	49	80	45	65	37	76	55	76	34	85	47	70	52
5	79	45	84	48	79	56	84	46	79	63	81	45	82	56	83	50	82	45	80	56	82	50	84	50	80	59
6	82	53	81	63	79	61	82	60	82	61	81	52	87	63	84	53	83	53	81	57	78	66	85	51	80	66
7	83	58	88	64	84	64	84	64	83	63	85	60	86	60	85	52	87	56	83	59	78	67	86	55	86	67
8	75	54	89	63	85	60	90	62	88	67	85	63	91	64	90	65	92	54	85	67	84	64	88	59	87	61
9	86	54	70	63	85	64	90	62	89	66	81	59	86	64	80	60	92	60	84	62	91	62	85	60	90	65
10	83	58	89	63	84	62	90	60	86	63	83	64	91	64	89	62	90	62	85	64	87	63	85	63	87	62
11	89	60	92	62	88	62	89	60	84	66	86	60	93	62	85	65	95	62	84	64	88	62	87	58	90	62
12	85	61	86	63	83	62	89	62	81	67	86	59	90	60	85	60	85	62	86	63	82	61	87	59	77	58
13	48	48	59	58	62	46	60	55	73	66	83	64	82	63	78	57	58	51	79	59	64	51	84	61	59	45
14	62	37	66	40	61	41	62	40	70	50	77	48	80	42	69	43	59	40	71	50	70	40	78	47	57	44
15	67	42	75	41	68	47	74	42	75	52	79	49	79	55	75	41	76	43	72	57	65	36	77	49	71	45
16	55	37	65	40	58	39	65	41	65	47	76	45	73	44	70	45	69	38	63	48	66	33	77	41	63	39
17	69	32	76	40	71	42	74	39	75	44	74	36	80	44	75	41	76	38	72	48	74	33	81	35	74	44
18	65	34	71	41	68	55	66	41	68	57	75	40	72	50	73	40	70	46	80	59	67	34	81	40	68	56
19	69	55	75	57	68	58	73	56	71	62	72	50	79	69	76	39	77	59	70	64	74	54	71	51	70	56
20	76	42	78	48	78	49	80	49	77	59	63	54	84	55	80	41	82	46	76	63	80	43	79	56	78	51
21	79	44	85	48	79	53	80	47	80	56	80	49	86	57	81	40	85	46	78	55	79	44	83	51	80	53
22	77	47	75	50	72	60	72	47	72	60	80	51	76	52	75	51	73	49	78	62	70	59	77	57	67	61
23	62	50	68	55	64	51	60	60	65	62	66	58	68	60	69	55	75	57	66	60	72	56	78	63	66	49
24	69	38	73	43	68	44	70	44	63	50	68	48	68	47	69	49	76	61	66	53	70	52	71	61	67	42
25	62	41	68	43	60	53	68	44	64	61	70	49	75	49	70	51	70	41	70	60	68	40	77	51	60	54
26	79	52	79	56	76	58	72	56	76	66	83	60	80	62	75	52	83	56	83	69	82	57	84	63	80	58
27	66	55	70	57	65	53	70	55	73	64	81	64	73	63	80	50	76	52	75	63	72	53	80	66	63	46
28	72	33	76	43	72	44	75	39	76	53	74	43	74	48	82	40	76	41	72	53	79	35	80	48	77	42
29	70	40	77	44	71	53	75	40	77	59	76	45	75	52	81	45	81	43	73	60	78	36	79	48	76	51
30	65	40	75	51	68	54	77	46	74	58	81	48	79	50	80	45	82	52	77	57	77	44	83	49	72	53
31	79	31	76	53	78	49	77	46	78	57	78	51	79	55	80	50	87	54	76	57	81	43	77	51	82	55
Means	70.8	44.8	76.2	50.5	71.9	52.1	74.9	49.4	74.8	58.2	77.3	51.2	79.8	54.8	78.3	47.8	76.3	48.9	75.6	57.8	74.2	48.0	80.5	52.5	72.7	51.9