CLIMATOLOGICAL DATA FOR JULY, 1913.

DISTRICT NO. 6, MISSOURI VALLEY.

MONTROSE W. HAYES, District Editor.

GENERAL SUMMARY.

In the northwestern part of the district the weather was either normal or cool and wet for the season. Progressing in a southerly and easterly direction there was a gradual decrease in the amount of precipitation and an increase in the degree of heat, culminating in unusually hot and dry weather over what may be termed the lower two-thirds of the Missouri River drainage area. In Montana there were only two periods, the 6th–9th and 18th–21st, during which the weather was as hot as might be expected in July; during the remainder of the month the nights were quite cool, and on the 14th light frost formed at a number of stations. In most localities the precipitation was above the normal, and in those places where there was a deficiency the lack of moisture in July was not felt deleteriously on account of an excess of rain in June. In Wyoming the cool, wet weather was more pronounced than in Montana; the average precipitation was greater than in any other July of the last 22 years. Showers were well distributed in the early summer and the native hay crop was unusually large, and hills that in other years became brown in the latter half of the month were green at the end of this July, affording an excellent supply of range feed. The most unfavorable feature was the frost in portions of the State on the 30th and 31st; it damaged potatoes and tender vegetables in some sections, but there were other localities in which the temperature fell below the freezing point without causing more than slight damage. In Colorado the temperature was higher, and the precipitation was unevenly distributed, some areas having more than is usual in July and others having a marked deficiency, but there appears to have been a sufficiency in the greater part of the area drained by tributaries of the Missouri River. In both the Dakotas the weather was rather unfavorable for farming interests; the precipitation was unevenly distributed. There were places that had sufficient moisture, but in adjacent regions of greater extent droughty conditions prevailed. As a rule, the greatest amount of rain fell in the eastern counties. In Nebraska, Kansas, Iowa, and Missouri dry, hot weather prevailed, and at the close of the month the unfavorable effects of the season were becoming marked; pastures were brown, garden growth was at a standstill and corn was suffering for want of moisture. In parts of Kansas and Missouri the deficient rainfall in July was proving especially unfavorable for crops on account of the fact that comparatively dry weather had prevailed since the latter part of April.

There was an unusually small number of severe local storms.

TEMPERATURE.

The average temperature for the month was above the normal in Missouri, Iowa, Kansas, and all of Nebraska except the northwestern part. In the remainder of the district it was mostly below the normal, the departure being greatest in Montana and Wyoming. There were no well-marked periods of temperature extremes, and both the highest and the lowest thermometer readings at the individual stations occurred on dates that were distributed throughout the month. In the lower part of the district the periods of cool weather were few and of short duration; to this, principally, the high monthly average was due, for there were not many stations that had unprecedentedly high temperatures, although in western Kansas there was a temperature of 116°, the highest ever recorded in that State by an official thermometer. In Iowa, Missouri, Kansas, and Nebraska there has been no July with a higher average temperature since 1901, but in Montana and Wyoming the weather was unusually cool, with freezing temperatures in many of the elevated valleys.

PRECIPITATION.

In Montana there were fairly well distributed showers, except between the 13th and 20th. In both Wyoming and Colorado most of the rain fell during the last 15 or 16 days. North Dakota had general showers on the 2d, 4th, 10th, 11th, 16th, and 17th, while South Dakota and Nebraska had almost all of their precipitation in light showers that were scattered throughout the month. On the 7th, 11th, and 23d there was light or moderate rain at almost every station in western Iowa; this represented practically all of the month's precipitation for that area. In Kansas the most scattered precipitation of the entire district occurred; all of the rains were in the form of local showers. In Missouri the conditions were about as they were in Kansas, except that on the 7th and 8th fairly general rains occurred. The monthly totals were markedly deficient in Missouri, Iowa, Kansas, and all of Nebraska except the northwestern part of the State; there were, however, a few isolated localities, mostly in Missouri, where purely local downpours gave more than the normal amount for the month.

RIVERS.

Falling stages prevailed in all of the streams, except a few in the upper portion of the drainage area. The Missouri River below Omaha was exceptionally low for July.

TABLE 1.—*Climatological data for July, 1913. District No. 6, Missouri 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.		
Wyoming.																				
Arapahoe	Fremont	5,200	3								0.42		0.22	0	3	16	11	4	sw.	Edw. L. Seymour.
Basin	Bighorn	3,862	14	71.0	− 2.9	102	9†	36	31	52	2.11	+ 1.57	0.87	0	8	18	5	8	s.	O. J. Robertson.
Big Creek Station	Carbon	7,500	2																	U. S. Forest Service.
Boyd	Weston	6,192		59.8		85	7†	30	31	39	2.37		0.59	0	15	14	11	6	sw.	Kirk Baker.
Burns	Laramie	5,400	3	66.0		96	12	40	30	44	2.88		1.10	0	10	13	17	1	sw.	E. W. Bastian.
Casper	Natrona	5,101	4	66.4		94	13	39	31	46	1.98		0.69	0	11	14	14	3	w.	Jos. A. Murray.
Centennial	Albany	8,074	10	59.8		83	13	34	31	41	1.62		0.35	0	10	13	7	11	w.	Louis A. Gregory.
Cheyenne	Laramie	6,088	42	65.2	− 2.2	92	13	43	31	40	1.42	− 0.57	0.90	0	12	10	14	7	nw.	U. S. Weather Bureau.
Chugwater	Platte	5,282	12	65.4	− 0.4	95	7	32	31	53	2.00	+ 0.57	0.72	0	8	16	14	1	w.	A. H. Woolever.
Clark	Park	4,320	8	68.2		96	7†	45	14†	45	1.51		0.43	0	8	15	9	7	w.	Chas. A. C. Snow.
Cody	do	5,000	6	66.0		95	9	41	12	43	1.37		0.25	0	10	17	10	4	w.	D. A. Tinkoom.
Crandall Creek	do			53.2		85	6	22	14	51	4.07		0.81	T.	15	16	4	11	sw.	Ira H. Sparhawk.
Dome Lake	Sheridan	8,821	5	50.3		74	6†	31	14	37	2.44		0.68	0	10	16	13	2	sw.	Abe Mills.
Douglas	Converse	4,793	4	67.2		97	6†	35	26†	50	1.73		0.60	0	6	25	0	6	nw.	Henry C. Miller.
Dubois	Fremont	6,909	6	57.2		82	9	32	29	43	1.13		0.27	0	11	11	15	5	w.	Dr. F. H. Welty.
Eatons Ranch	Sheridan	4,600	8	66.3		91[a]	6†	40[a]	29	43[a]	2.94		1.10	0	7	17[a]	6[a]	7[a]	n.	F. A. Eaton.
Echeta	Campbell	4,200	4								2.64		1.10	0	6	19	6	6	s.	M. R. Hunter.
Elk Mountain	Carbon		8								1.89		0.87	0	9					Wm. Richardson.
Encampment	do	7,322	4	63.0		88[a]	6	40[a]	12†	38[a]	3.50		1.90	0	8	6[a]	14[a]	4[a]	sw.	U. S. Forest Service.
Ervay	Natrona	6,400	4	61.8		88	7†	32	31	49	1.41		0.53	0	5	18	8	5	sw.	Frank Jameson.
Fort Laramie	Goshen	4,270	35	70.2	− 2.6	103	6	34	12	51	2.95	+ 1.39	1.46	0	5	19	10	2	w.	John Hunton.
Foxpark	Albany	9,015	3	51.4		80[f]	6	24[e]	31	51[f]	1.33		0.40	0	6	11[e]	8[e]	7[a]	sw.	U. S. Forest Service.
Germania	Bighorn	4,312	2	66.1		93	9	41	31	41	1.01		0.46	0	13	20	9	2	nw.	J. W. Peper.
Gillette	Campbell	4,546	7																	M. H. Shields.
Horse Creek	Fremont	8,000	1	50.2		78	6	26	12†	45	3.46		1.01	0	13	13	10	8	w.	U. S. Forest Service.
Hunters Station	Johnson	8,000	7	54.8		82	6	23	31	41	3.67		0.73	0	14	23	2	6	w.	Do.
Hyattville	Bighorn	4,632	14	70.0	+ 0.5	98	6†	42	12	47	0.12		0.12	0	1	13	5	13	w.	Wm. Booth.
Jireh	Niobrara	5,100	3								1.99		0.42	0	9	13	15	3	se.	P. L. Ford.
Kinnear	Fremont			65.7		95	6	38	12	50	1.99		0.98	0	7	16	7	8	w.	John C. Hays.
Kirtley	Niobrara		9	65.7		96	13	32	31	51	2.02		0.47	0	9	21	4	6	w.	D. M. Zum Brunnen.
Kirwin	Park	9,187	4	48.8		70	6†	30	31†	33	3.95		0.53	2.0	17	13	12	6	w.	C. L. Tewksbury.
Knowles	Crook	4,500	4								2.64		0.62	0	7	19	9	3	e.	Geo. A. Knowles.
Lagrange	Goshen	4,720	3	69.0		101	13	40	12†	57	3.73		1.66	0	9	22	6	3	w.	Owen Shupp.
Lander	Fremont	5,372	21	66.4	− 1.6	94	9	40	31	46	1.03	+ 0.17	0.67	0	7	11	15	5	sw.	U. S. Weather Bureau.
Laramie	Albany	7,188	22	61.6	− 0.7	89	6	37	31	45	2.40	+ 0.72	1.87	0	7	18	7	6		University of Wyoming.
Leo	Carbon	6,878	11																	C. A. Cowdin.
Lolabama Ranch	Park	7,052	9	54.4		86	7	25	30	45	2.61		0.40	0	11	14	10	7	w.	Mary E. Painter.
Lovell	Bighorn	3,825	7																	R. Fred Harrison.
Lusk	Niobrara	5,007	22	67.9	− 0.1	98	12	33	30	48	2.16	+ 0.67	0.95	0	5					D. E. Goddard.
Manville	do	5,050	3								1.98		0.65	0	7	10	19	2	se.	L. C. Stoddard.
Moorcroft	Crook	4,311	9	70.3		99[a]	9†	45[a]	26	51[a]	0.95		0.30	0	7	10[a]	13[a]	7[a]	s.	C. T. McCampbell.
Moore	Albany	6,000	12	63.6	− 0.6	93	7†	32	31	48	5.18	+ 3.34	1.73	0	9	7	16	8	w.	Edwin Moore.
Newcastle	Weston	4,319	6	71.6		100	7	40	31	40	1.34		0.57	0	7	11	20	0	w.	Dr. S. W. Johnson.
Pathfinder	Natrona	5,735	7	68.7		93	6†	42	31	41	0.49		0.20	0	8	8	21	2	sw.	U. S. Reclamation Service.
Pinebluff	Laramie	5,038	10	68.6	+ 0.3	98[f]	12	42[f]	12	43[f]	3.92	+ 1.16	1.21	0	12	3[g]	5[g]	6[g]		C. L. Beatty.
Pine Ridge	Crook		1								1.30		0.46	0	7	4	19	8		J. E. S. Altaffer.
Powell	Park	4,376	5	67.6		96	7	42	12†	42	1.03		0.25	0	12	18	3	10	nw.	U. S. Reclamation Service.
Rawlins	Carbon	6,748	11	65.8	− 0.6	92	6†	39	31	45	1.88	+ 0.72	0.54	0	11	13	17	1	w.	E. J. Ehrenfeld.
Rock River	Albany	6,900		64.1		92	6	34	31	48	0.72		0.40	0	6	20	9	2	w.	Rock Creek Conservation Co.
Rockypoint	Crook		1								1.07		0.23	0	9	17	7	7	n.	P. Woxen.
Saratoga	Carbon	6,785	15	64.1	− 1.2	90	6†	33	12†	51	1.46	+ 0.46	0.65	0	6	17	4	10	w.	R. G. Hamilton.
Seven-mile Creek	do		2	57.8		81	13	35	31	40	1.75		0.76	0	9	17	0	14	sw.	U. S. Forest Service.
Sheridan	Sheridan	3,790	18	64.9	− 2.6	95	7	40	31	49	1.70	+ 0.92	0.62	0	12	12	13	6	se.	U. S. Weather Bureau.
Shoshone Dam	Park	5,385	7	66.7		95	6†	46	30†	42	1.12		0.38	0	6	14	9	8	w.	U. S. Reclamation Service.
South Pass City	Fremont	7,796	11	55.9		82	6	22	31	50	1.26		0.29	0	9	9	17	5	sw.	John Sherlock.
Sundance	Crook	4,750	1	65.6		95	13	37	12	50	0.95		0.30	0	5	17	10	4	w.	Geo. W. Ashdown.
Thermopolis	Hot Springs	4,350	9	69.0		97	6	40	31	51	1.19		0.41	0	7	19	8	4		A. L. Duhig.
Ulm	Sheridan	4,448	1	65.8		95	7	36	12	47	1.80		0.47	0	9	14	14	3	nw.	W. H. Coleman.
Upton	Weston		1	67.8		99	29	32	31	58	1.05		0.25	0	5	7	20	4	w.	Ray C. Thompson.
Verona	Sheridan	4,360	4								1.83		0.50	0	9	11	16	4	se.	O. A. Roode.
Wheatland	Platte	4,700	2	67.5		102	6†	29	31	61	1.74		0.89	0	3	19	7	5	se.	C. A. Rockwell.
Wiants Ranch	Carbon	7,400	3								2.12		0.56	0	11	6	18	7	sw.	Ira G. Wiant.
Woodrock	Sheridan	8,500	2								3.73		0.85	0	18	13	13	5	sw.	U. S. Forest Service.
Worland	Washakie	4,033	2	69.0		97	6†	39	31	49	0.78		0.28	0	8	17	10	4	nw.	Prof. B. C. Buffum.
Wyncote	Goshen	4,186	6	67.9		95	6†	34	12	54	3.47		2.62	0	5	5	24	2	ne.	U. S. Reclamation Service.
Yellowstone Park	Yellowstone Park	6,200	25	57.2	− 4.3	83	6	32	14	38	3.14	+ 1.96	1.20	0	15	10	12	9	sw.	U. S. Weather Bureau.
Fountain	do	7,220	7	51.6		78	7	19	30	44						18	6	7	w.	U. S. Army.
Gallatin	do	7,400	2											0		14	2	15	s.	Do.
Grand Canyon	do	7,900	6	52.2		79[a]	9	26[a]	14	46	4.75		1.35	1.0	10	12	12	7	w.	Do.
Lake Yellowstone	do	7,733	9	51.6		78	9	25	14	43	6.58		1.30	4.0	12	18	2	11	se.	Do.
Norris	do	7,500	9	51.6		80	6†	24	14	49	3.44		0.90	T.	12	14	3	14	sw.	Do.
Riverside	do	6,500	7			85	8†				4.02		1.19	0	11	18	5	8	s.	Do.
Soda Butte	do	7,000	8	54.4		86	7	28	12	49	4.62		1.30	0	12	12	10	9	sw.	Do.
Sylvan Pass	do	7,000	6	54.7		83	6†	28	14	48	5.62		1.01	0	17	17	3	11	w.	Do.
Thumb	do	7,772	7	51.4		78	6†	26	14	43	4.93		1.54	T.	12	15	10	6	s.	Do.
Tower Falls	do	6,250	4	56.2		86	9	27	14†	51	3.42		0.60	0	12	19	3	9	w.	Do.
Upper Geyser Basin	do	7,395	9			80	6				4.92		1.50	0	11	12	11	8	w.	Do.
Montana. ‡																				
Absarokee	Stillwater	4,000	3	63.0		92	8	37	31	48	2.75		0.92	0	7	22	2	7	sw.	E. F. Bryant.
Adel	Cascade	5,200	14	60.0	0.0	89	9	35	15	45	1.77	− 0.21	0.52	0	10	13	8	10	w.	Mrs. Bessie F. Burch.
Agricultural College	Gallatin	4,900	15	60.2	− 3.6	89	6	32	14	37	2.17	+ 0.94	0.52	0	12	14	13	4	nw.	E. Burke.
Augusta	Lewis and Clark	4,071	14	60.5	− 1.7	90	20	33	16†	47	3.12	+ 1.27	2.86	0	2	25	6	0	w.	C. C. Covington.
Babb	Teton	4,461	6	54.8[e]		84[k]	6	32	16†	46[k]	2.45		0.80	0	6					U. S. Reclamation Service.
Bald Butte	Lewis and Clark	6,500	3								1.64		0.43	0	10	14	10	7		Mary L. Alderson.
Bigtimber	Sweet Grass	4,094	7	65.4		93	7	43	30†	40	2.56		0.80	0	8	17	9	5	w.	F. A. Severance.
Billings	Yellowstone	3,115	17	67.2	− 4.4	102	7	37	14	47	1.27	+ 0.21	0.40	0	12	22	6	3	sw.	Dean J. Cole.
Blackleaf	Teton	4,260	5	58.0		88	6	33	27†	42	0.78		0.38	0	4	15	6	10	w.	Roy McNeal.
Boulder Nursery	Jefferson	5,200	17	57.8	− 4.6	85	7†	28	14	46	2.08	+ 0.97	0.77	0	9	11[a]	16[a]	3[a]		U. S. Forest Service.
Bowen	Beaverhead	6,080	6	52.3		82	9	18	14	51	1.43		0.38	0	8	18	8	5		B. B. Lawrence.
Box Elder	Hill	2,677		64.9		95	9	35	28	46	2.20		0.65	0	13	17	10	4	n.	C. L. Herzog.
Bridger	Carbon	3,664	4	65.9		97	9	40	12	48	1.18		0.38	0	6	10	14	7	n.	L. E. Gard.
Broadview	Yellowstone	3,800	6	65.8		98	7	35	14	46	1.92		0.78	0	6	27	1	3	nw.	Thos. S. Hunt.
Browning	Teton	4,440	4	59.7		88	6	30	15†	46	1.05		0.85	0	2	27	4	0	w.	U. S. Reclamation Service.
Busby	Big Horn		9	67.4	− 0.7	99	8	38	31	46	1.04	− 0.45	0.31	0	9	18	10	3	w.	Rev. G. A. Linscheid.

TABLE 1.—*Climatological data for July, 1913. District No. 6*—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.
***Montana*—Continued.**																				
Busteed	Stillwater	4,050	5	64.0	.....	95	9	34	14	49	2.04	.....	0.62	0	9	20	9	2	w.	T. H. Busteed.
Canyon Ferry	Lewis and Clark	3,670	14	66.3	− 1.3	93	9†	40	14†	40	1.36	− 0.09	0.40	0	7	17	11	3	nw.	W. L. Kirk.
Cascade	Cascade	3,361	8	65.0	− 1.9	94	6	34	16	48	1.67	+ 0.04	0.42	0	12	18	12	1	sw.	Dr. E. E. James.
Chester	Hill	3,132	9	64.5	.....	91	9	38	15	49	0.75	.....	0.40	0	4	24	7	0	w.	C. F. Baker.
Chinook	Blaine	2,502	14	62.0[d]	− 7.7	96	9	38[b]	16	40[h]	0.95	− 0.41	0.50	0	4	17	14	0	w.	T. O'Hanlon Company.
Clearcreek	do		7	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Cortez Sedgewick.
Clydepark	Park	5,027	1	58.6	.....	91	7†	32	14	46	1.95	.....	0.61	0	10	10	13	8	se.	J. H. Eyman.
Conrad	Teton	3,501	2	64.6	.....	96	9	35	16	50	0.41	.....	0.28	0	4	24	3	4	w.	Robert J. Kelly.
Copper	Meagher	5,680	9	.....	.....	.....	.....	.....	.....	.....	2.46	.....	0.80	0	6	21	7	3	w.	Orville Harris.
Crow Agency	Big Horn	3,041	30	69.0	− 2.4	97	9	43	12†	46	0.87	− 0.41	0.30	0	7	18	13	0	.....	Harry Throssell.
Culbertson	Sheridan	1,927	10	66.2	− 3.5	92	7†	38	27	40	1.87	− 0.41	1.10	0	8	13	17	1	w.	G. H. Coulter.
Cut Bank	Teton	3,745	14	62.8	+ 1.5	95	9	35	15†	46	4.49	+ 2.80	2.33	0	5	27	4	0	w.	Chas. N. Thomas.
Denton	Fergus	3,500	4	64.8	.....	90	20	38	14	39	1.43	.....	0.45	0	11	23	3	5	nw.	P. J. Griesenauer.
Dillon	Beaverhead	5,143	15	58.6	− 5.0	86	6	31	13†	43	1.61	+ 0.46	0.32	0	10	16	8	7	sw.	Prof. J. E. Monroe.
Dry Wolf Camp	Cascade	6,000	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Mrs. Harriet R. Eveleth.
Dunkirk	Hill	3,450	1	.....	.....	.....	.....	.....	.....	.....	1.42	.....	0.70	0	6	24	7	0	w.	B. C. Protzman.
Ekalaka	Custer	.....	12	67.5	− 1.9	94	6†	42	27	42	3.23	+ 1.72	1.27	0	11	18	13	0	w.	William Freese.
Fallon	do	2,208	8	70.6	.....	99	9	40	27	49	1.07	.....	0.56	0	5	20	9	2	w.	Mrs. A. C. Gifford.
Findon	Meagher	6,000	1	57.8	.....	82	9	35	30	36	1.81	.....	0.43	0	15	20	6	5	w.	Lewis Cameron.
Flathead Creek	Gallatin	6,000	2	52.4	.....	81	7	32	14†	38	2.66	.....	1.20	.....	8	13	9	9	nw.	Alta Williams.
Flatwillow	Fergus	.....	.....	.....	.....	.....	.....	.....	.....	.....	1.30	.....	0.41	0	10	22	7	2	nw.	W. Johnson.
Forsyth	Rosebud	2,514	6	71.2	.....	102	9	44	27	46	1.46	.....	0.56	0	4	25	1	5	e.	H. Mackenzie.
Fort Benton	Chouteau	2,630	33	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Jere Sullivan.
Fort Shaw	Cascade	3,500	24	65.8	+ 0.4	93	6†	40	12†	44	2.06	+ 0.94	1.10	0	9	20	4	7	sw.	U. S. Reclamation Service.
Foster	Big Horn	2,800	3	67.7	.....	98	6	40	14	46	0.84	.....	0.35	0	5	19[a]	8[a]	3[a]	nw.	E. K. Bowman.
Garneill	Fergus	5,500	4	56.6	.....	82	7†	31	14	40	4.61	.....	1.15	0	14	10	4	17	sw.	Thos. E. Scally.
Geyser	Cascade	4,147	.....	65.0	.....	86	6	42	27†	38	2.39	.....	0.44	0	14	12	16	3	w.	I. G. Finfrock.
Glasgow	Valley	2,092	16	66.4	− 3.9	95	25	38	26	45	1.08	+ 0.08	0.34	0	9	19	7	5	nw.	C. D. Bauer.
Glendive	Dawson	2,069	22	71.8	− 0.9	93	10†	42	16†	50	0.93	− 0.81	0.58	0	2	10	20	1	w.	E. C. Leonard.
Goldbutte	Hill	3,500	5	62.9	.....	89	8†	35	13	43	1.09	.....	0.51	0	7	21	10	0	w.	Joseph Berthelote.
Graham	Custer	.....	7	69.2	.....	100	13	42	31	45	2.06	.....	0.90	0	8	23	4	4	nw.	J. S. Rue.
Great Falls	Cascade	3,350	21	67.6	− 0.7	97	6	41	16	42	2.07	+ 0.46	0.78	0	12	18	13	0	sw.	S. H. Bauman.
Harlowton	Meagher	4,160	5	61.2	.....	92	6	34	15†	50	1.41	.....	0.55	0	5	15	5	11	e.	Joseph Muir.
Havre	Hill	2,505	33	65.3	− 2.8	94	9	40	27	41	1.28	− 0.64	0.51	0	9	18	10	3	sw.	U. S. Weather Bureau.
Hebgen Dam	Gallatin	6,700	7	56.4	+ 2.0	84	8†	30	14	40	4.53	+ 2.47	1.25	0	11	9	14	8	s.	T. L. Carson.
Helena	Lewis and Clark	4,110	33	64.4	− 2.2	92	6	43	14	37	1.47	+ 0.40	0.54	0	11	13	12	6	sw.	U. S. Weather Bureau.
Highwood	Chouteau	4,300	6	.....	.....	.....	.....	.....	.....	.....	2.57	.....	1.20	0	14	18	9	4	sw.	W. S. McCord.
Huntley	Yellowstone	3,037	7	68.0	.....	99	9	42	14	45	1.11	.....	0.54	0	8	22	7	2	w.	U. S. Reclamation Service.
Jordan	Dawson	.....	7	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	W. C. Henderson.
Knobles Ranch	Hill	.....	2	.....	.....	.....	.....	.....	.....	.....	2.05	.....	1.00	0	8	22	8	1	w.	F. H. Knoble.
Lewistown	Fergus	4,006	15	61.5	− 2.6	92	10	35	14	43	1.66	− 0.89	0.40	0	9	20	4	7	w.	W. W. Watson.
Lonetree	Chouteau	3,280	7	68.2	.....	94	6†	43	16	45	1.61	.....	0.65	0	6	25	6	0	w.	E. Wilson.
Lothair	Hill	3,301	1	63.0	.....	93	9†	37	14†	51	1.35	.....	0.60	0	4	23	2	6	w.	James H. Whiteley.
Lytle	Chouteau	.....	1	65.7	.....	97	6	38	14	44	0.86	.....	0.19	0	7	22	8	1	sw.	J. F. Falt.
Malta	Valley	2,250	6	66.3	.....	93	9†	36	26	57	0.67	.....	0.15	0	6	23	6	2	sw.	U. S. Reclamation Service.
Medicine Lake	Sheridan	1,969	2	63.6	.....	92	21	34	27	45	1.00	.....	0.90	0	2	25[a]	3[a]	2[a]	w.	J. S. Collier.
Melstone	Musselshell	2,903	1	70.4	.....	96	9†	43	27	40	2.13	.....	1.28	0	8	23	6	2	nw.	W. C. Greening.
Mildred	Custer	2,364	4	.....	.....	.....	.....	.....	.....	.....	1.00	.....	0.48	0	5	16	15	0	se.	Leon B. Clark.
Miles City	do	2,371	21	72.0	− 0.9	102	9	49	31	45	0.71	− 0.66	0.26	0	9	19	12	0	ne.	U. S. Weather Bureau.
Norris	Madison	4,845	6	66.4	.....	91	6	40	30	36	2.17	.....	1.01	0	10	17	4	10	s.	Madison River Power Co.
Olsen Creek	Jefferson	6,345	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Robert Olsen.
Pinegrove	Musselshell	.....	1	59.0	.....	82	9	32	14	36	1.86	.....	0.55	0	9	7	24	0	nw.	G. W. White.
Pipestone Pass	Jefferson	7,000	4	.....	.....	.....	.....	.....	.....	.....	2.11	.....	0.63	0	9	17	12	2	w.	Mrs. T. Keirmeyer.
Plevna	Custer	2,757	1	67.2	.....	94	9	41	27	43	1.76	.....	0.77	0	6	21	8	2	w.	C. C. Conser.
Poplar	Sheridan	2,020	27	68.4	− 2.9	97	21†	41	27	45	1.61	− 0.07	1.30	0	3	23	7	1	se.	H. M. Cosler.
Red Lodge	Carbon	5,548	13	58.4	− 3.4	89	7	31	14	41	2.19	+ 0.85	0.89	0	8	17	8	6	nw.	I. A. Draper.
Renova	Jefferson	4,360	14	61.6	− 3.8	90	7†	32	14	46	2.52	+ 1.47	0.71	0	12	20	5	6	sw.	F. B. Elmer.
Ryegate	Musselshell	3,640	3	64.4	.....	93	9	39	12	45	1.65	.....	0.95	0	5	25	0	6	w.	H. W. Scherfenberg.
Savage	Dawson	1,985	7	67.8	.....	95	21	45	24	45	1.57	.....	0.71	0	5	22	9	0	w.	U. S. Reclamation Service.
Shelby	Teton	3,176	1	64.0	.....	95	6	37	16	44	0.46	.....	0.15	0	6	19	7	5	w.	Olaf C. Fjeld.
Sidney	Dawson	.....	2	66.4	.....	92	21	42	26	46	1.34	.....	0.58	0	3	17	8	6	w.	P. F. Blake.
Springbrook	do	.....	11	67.3	− 1.1	96	21	40	14	54	0.93	− 0.98	0.54	0	6	19	10	2	s.	Mrs. H. L. Miller.
Sunlit Farm	Blaine	3,170	1	61.9	.....	89	25	32	27	44	1.58	.....	0.51	0	5	18	10	3	w.	C. R. Noyes.
Sun River Canyon	Teton	4,650	1	65.6	.....	93	9	39	15	42	0.81	.....	0.49	0	3	.....	.....	.....	.....	U. S. Reclamation Service.
Three Forks	Gallatin	4,066	2	64.5	.....	95	8	36	14	43	2.42	.....	1.05	0	12	16	9	6	sw.	G. E. Adams.
Utica	Fergus	5,000	18	61.5	− 3.3	87	6	39	27	38	2.14	+ 0.07	0.66	0	8	24	7	0	w.	P. W. Korell.
Valentine	do	2,800	6	65.5	.....	93	9	40	16	44	4.98	.....	3.51	0	7	23	3	5	w.	B. M. Bean.
Valier	Teton	.....	1	63.3	.....	89	9	40	16	38	0.81	.....	0.35	0	7	16	10	5	w.	Ford, Bacon & Davis.
Wall Rock Mountain	Broadwater	5,600	4	.....	.....	.....	.....	.....	.....	.....	2.56	.....	0.87	0	8	18	10	3	nw.	D. L. Doig.
Wheaton	Musselshell	.....	1	66.2	.....	91	9	40	12	36	1.40	.....	0.48	0	6	15	10	6	sw.	P. O. Balgord.
Whites Ranch	Custer	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Glen A. White.
White Sulphur Springs	Meagher	5,280	1	60.8	.....	86	9	36	14	38	1.81	.....	0.66	0	11	5	20	6	.....	P. R. Wild.
Wilder	Fergus	.....	2	66.8	.....	94	21†	38	27	45	1.42	.....	0.40	0	8	22	5	4	w.	J. O. Rogers.
Wolf Creek	Lewis and Clark	3,460	9	66.0	+ 0.8	93	20	36	16	47	1.66	+ 0.13	0.67	0	9	11	16	4	w.	A. J. Reed.
North Dakota.																				
Aplin	Oliver	.....	6	68.5	.....	100	29	39	23	50	1.77	.....	0.53	0	8	17	6	8	nw.	J. C. Hagelbarger.
Arnegard	McKenzie	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	A. B. Waterman.
Ashley	McIntosh	2,001	16	62.4	− 5.9	96	29	35	24	48	3.87	+ 1.38	1.32	0	6	.....	.....	.....	se.	R. C. Miles.
Beach	Golden Valley	2,576	7	65.6	.....	94	29	41	23	44	1.66	.....	0.62	0	9	19	11	1	nw.	D. J. Steiner.
Belfield	Stark	2,583	2	.....	.....	.....	.....	.....	.....	.....	1.55	.....	0.58	0	5	27	2	2	w.	E. W. Russell.
Berthold Agency	McLean	2,082	19	66.4	− 2.5	96	7	40	9	47	1.41	− 0.57	0.36	0	8	22	6	3	nw.	C. L. Hall.
Bismarck	Burleigh	1,674	39	67.6	− 2.6	98	29	46	13	44	2.72	− 0.58	1.39	0	7	15	13	3	nw.	U. S. Weather Bureau.
Buford	Williams	1,944	34	67.4	− 2.0	93	29	40	26	39	1.37	− 0.33	0.90	0	4	16	10	5	ne.	C. H. McCune.
Carson	Morton	.....	1	67.2	.....	102	7	37	9†	51	1.78	.....	0.60	0	7	22	8	1	nw.	D. J. Basquin.
Dickinson	Stark	2,543	21	66.2	− 1.7	96	7†	41	9	45	1.36	− 0.92	0.33	0	9	14	16	1	se.	L. R. Waldron.
Edgeley	La Moure	1,468	12	65.5	− 2.9	99	29	40	24	46	2.46	− 0.22	0.61	0	7	19	3	9	nw.	O. A. Thompson.
Epping	Williams	.....	5	.....	.....	.....	.....	.....	.....	.....	2.07	.....	1.30	0	6	21	7	3	w.	M. E. Uggen.
Fullerton	Dickey	1,439	15	65.8	− 2.0	99	29	40	24	45	2.53	− 0.74	0.84	0	8	17	9	5	nw.	F. O. Alin.
Garrison	McLean	1,901	18	65.7	− 2.2	97	29	41	9	44	1.73	− 0.62	0.58	0	7	15	13	3	nw.	G. L. Robinson.
Haley	Bowman	.....	5	.....	.....	102[c]	1	44[c]	12	40[c]	3.37	.....	0.70	0	11	.....	.....	.....	.....	A. O. Lawrence.
Hettinger	Adams	2,253	5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	W. R. Lanxon.
Howard (near)	Divide	2,275	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	C. P. Amsbaugh.
Jamestown	Stutsman	1,390	21	65.7	− 2.5	98	30	44	24	40	4.04	+ 1.22	1.00	0	14	17	3	11	w.	Thos. Pettigrew.
Lamoine	Kidder	.....	5	63.6	.....	96	28	41	13†	44	3.03	.....	1.01	0	6	.....	.....	.....	nw.	E. V. Virgin.

TABLE 1.—*Climatological data for July, 1913. District No. 6*—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.
***North Dakota*—Contd.**																				
McHenry (near)	Eddy		3	64.2		93	29	42	31	39	2.43		0.49	0	11	19	6	6	nw.	P. E. Truden.
Marmarth (near)	Bowman		4	67.0		95	7	42[e]	31	42[e]	1.27		0.49	0	10	13	10	8	se.	S. P. Grane.
Marstonmoor	Stutsman		4	64.1[e]		91[e]	29	39[e]	24	42[e]	3.90		1.09	0	8	14	13	4	nw.	H. H. McCumber.
Medora	Billings	2,225	19																	H. Steadman.
Melville	Foster	1,590	15	67.1[d]	− 0.6	98[d]	29	42[d]	2	46[d]	4.16	+ 1.33	2.00	0	6				nw.	J. P. Kidder.
Mott	Hettinger		6	68.4		100	7	41	26†	47	1.50		0.57	0	9	17	7	7	w.	O. H. Opland.
Napoleon	Logan	1,955	21	64.8	− 3.3	101	29	38	24	47	2.31	− 0.17	0.80	0	9	16	6	9	s.	C. J. Hoof.
New England	Hettinger	2,400	19																	J. M. Connolly.
New Rockford	Eddy	1,531	2	65.0		95	29	43	24	40	2.48		0.48	0	9	19	7	5	w.	J. V. M. Sundberg.
New Salem	Morton	2,163	8	66.4		99	7	41	14	42	2.33		0.98	0	6				nw.	J. Christiansen.
Orange	Adams		4	67.0		100	7	41	25†	51	0.89		0.58	0	3				se.	J. E. Goforth.
Ranger	Billings										1.61		0.40	0	6	24	2	5	nw.	R. E. Sheriff.
Ronda	Mercer																			H. A. Crandall.
Steele	Kidder	1,857	16	69.3	+ 0.7	98	29	51	31	33	4.96	+ 2.30	1.85	0	9	20	10	1	w.	H. S. Wood.
Turtle Lake	McLean		1	66.4		99	29	42	9†	45	2.14		0.68	0	10	17	6	8	se.	E. G. Ranum.
Washburn	do	1,734	15	67.2	− 1.3	98	6	45	13	40	2.84	+ 0.54	1.50	0	7				w.	W. R. Peterson.
Williston	Williams	1,875	34	65.8	− 3.6	92	29	42	27	39	2.43	+ 0.40	1.19	0	5	16	10	5	n.	U. S. Weather Bureau.
South Dakota.																				
Aberdeen	Brown	1,300	23	69.4	− 1.6	101	29	45	13	45	4.52	+ 1.36	1.35	0	10	19	2	10	ne.	D. G. Gallett.
Academy	Charles Mix		14	72.6	− 1.1	99	29	50	24	35	3.92	+ 0.35	0.95	0	10	19	10	2	s.	I. T. Lothrop.
Alexandria	Hanson	1,352	25	72.7	− 0.1	100	29	50	20†	39	2.44	− 0.80	1.18	0	6	15	15	1	nw.	C. H. Stillwell.
Ardmore	Fall River	3,557	2	71.0		102	8†	38	31	47	1.78		0.77	0	10	19	6	6	e.	U. S. Experiment Station.
Armour	Douglas	1,521	18	73.0	− 0.2	102[b]	29	47[b]	21†	47[b]	3.35	+ 0.07	1.28	0	7	17	10	4	n.	T. J. Markey.
Bellefourche	Butte	3,000	5	69.0		99	7	43	31	42	0.63		0.28	0	4	5	20	6	se.	U. S. Reclamation Service.
Blunt	Hughes	1,621									5.07		2.76	0	7	10	16	5	nw.	James A. Howard.
Britton	Marshall	1,354		68.6		102	29	45	13†	44	2.70		0.58	0	11	17	8	6	w.	W. S. Given.
Brookings	Brookings	1,636	24	69.4	− 0.2	94	29	45[a]	13†	35[a]	2.99	+ 0.56	0.87	0	8	16	8	7	se.	Experiment Station.
Bryant	Hamlin	1,846	1								4.01		0.90	0	12	10	20	1	nw.	E. D. Landon.
Camp Crook	Harding	3,000	20	68.7	− 0.8	98	7	43	25	47	0.67	− 1.08	0.15	0	8	21	7	3	nw.	U. S. Forest Service.
Canton	Lincoln	1,248	18	71.2	− 0.7	96	30	48	10†	37	3.61	− 0.28	1.46	0	7	30	0	1	se.	John H. Holsey.
Castlewood	Hamlin	1,685	8	68.1		93	29	45	23†	37	4.48		1.51	0	11	11	5	15	n.	M. N. Bradley.
Centerville	Turner	1,229	16	73.5		98	30	49	21	37	2.26	− 2.22	1.03	0	7	19	12	0	se.	Frank Williams.
Clark	Clark	1,779	21	67.7	− 1.9	92	29	45	13	34	3.68	+ 0.78	1.27	0	10	11	15	5	nw.	O. H. La Craft.
Cottonwood	Stanley	2,414	5	77.0		104	2†	44	31	44	0.81		0.29	0	6	15	10	6	nw.	Experiment Station.
Custer	Custer	5,316	1								2.29		0.66	0	10	17	12	2	sw.	R. P. Imes.
Davlston	Perkins		3																	Dyson Byers.
Deadwood	Lawrence	4,535	4	65.4		92	7	37	31	43	0.45		0.30	0	2	24	5	2		R. E. Grimshaw.
Deerfield	Pennington	6,000	4								1.40		0.35	0	11	17	8	6	sw.	Frank E. Miller.
De Smet	Kingsbury	1,726	20	68.4	− 2.0	93	29	45	13	37	5.53	+ 2.94	1.45	0	10	27	4	0	n.	W. E. White.
Dowling	Stanley	2,250	4	73.8		103	7	50	30	42	1.05		0.30	0	6	16	13	2	se.	M. P. Dowling.
Dumont	Lawrence	6,195	4								0.71		0.25	0	6	19	9	3	sw.	A. B. Wood.
Eagle Butte	Dewey	2,415	1	71.9		103	7	47	23†	43	1.56		0.45	0	7	23	8	0		Dr. John F. Chandler.
Eales	Potter		2								1.62		0.47	0	9	19	10	2	nw.	A. H. Peterson.
Elk Mountain	Custer	4,700	4								2.67		0.85	0	11	13	10	8	se.	James E. Blaine.
Ellingson	Perkins		1	67.4		100	7	44	23	43	1.84		0.52	0	10	17	12	2	nw.	Carl G. Moen.
Englewood	Lawrence	5,723	4																	W. P. Wagner.
Eureka	McPherson	1,884	4	68.4		101	29	43	13	48	2.16		0.90	0	10	16	15	0	se.	Experiment Station.
Fairfax	Gregory		9	74.6		100	8†	50	24†	38	2.20		1.17	0	6	26	5	0	ne.	U. G. Stevenson.
Faith	Meade	2,560		72.4		103	7	44	31	40	1.70		1.24	0	8	3	22	6	nw.	Robert R. Saul.
Faulkton	Faulk	1,595	18	71.4	+ 0.7	103	29	46	13	40	2.53	− 0.06	0.63	0	13	22	7	2	ne.	Miss Belle Talcott.
Flandreau	Moody	1,565	23	69.8	+ 0.1	93	29	46	24	38	4.21	+ 1.31	1.30	0	9	13	7	11	e.	D. R. McLean.
Forestburg	Sanborn	1,231	21	73.0	+ 1.3	102	29	47	13	40	3.96	+ 1.15	0.89	0	10	17	10	4	nw.	S. S. Judy.
Fort Meade	Meade	3,624	30	70.1	− 1.6	101	8	48	27	38	0.25	− 2.04	0.25	0	1	28	3	0	se.	Post Hospital.
Frederick	Brown	1,371	4	68.4[f]		102[f]	29	45[f]	20†	50[f]	1.87		0.69	0	6				se.	J. E. Jeffers.
Goldfield	Meade	3,000		73.0		103	7	45	30	41	2.27		1.27	0	6	14	15	2	nw.	A. M. Alexander.
Greenmont	Lawrence	6,430	4								0.74		0.44	0	3	10	20	1	w.	H. C. Hoffbuhr.
Greenwood	Charles Mix		19	75.8	+ 1.1	103	26	50	24	42	1.94	− 1.61	0.85	0	7	22	9	0	s.	T. C. Williamson.
Hardingrove	Stanley		1	73.5[e]		102[e]	2†	48[e]	31	53[e]	0.86		0.40	0	5	9	16	6	nw.	Mrs. Laura Sinclair.
Hardy Ranger Station	Lawrence	6,600	3																	Rufus J. Pilcher.
Harveys Ranch	do	6,282	3								1.79		0.67	0	7	15	10	6	w.	Jerome Harvey.
Hermosa	Custer	3,278	7	70.0		100	7	42	30	42	1.66		0.68	0	7	21	6	4	s.	S. M. Booth.
Highmore	Hyde	1,890	20	72.4	− 0.6	101	29	46	31	41	1.79	− 0.71	0.72	0	7	14	12	5	se.	Experiment Station.
Hopewell	Stanley		3	70.0		104	29	48	31	46	1.43		0.79	0	6	13	13	5	ne.	E. R. Myers.
Hot Springs	Fall River	3,443		71.8		98	7	40	31	44	2.29		1.50	0	10	11	9	11		John S. Goodrell.
Howard	Miner	1,564	21	68.2	− 1.8	96	29	44	13	38	5.17	+ 2.08	2.00	0	10	10	20	1	ne.	J. J. Cox.
Howell	Hand		11	70.2	− 0.3	102	29	44	10†	48	2.76	+ 0.44	1.35	0	9	16	14	1	se.	M. A. Shuster, jr.
Huron	Beadle	1,306	31	71.0	− 0.5	99	29	50	31	38	3.82	+ 0.88	1.51	0	11	16	13	2	n.	U. S. Weather Bureau.
Ipswich	Edmunds	1,530	16	68.2	− 2.4	103[a]	29	44[a]	24	49[a]	3.90	+ 1.54	1.60	0	12	12	18	1	nw.	H. J. Dailey.
Kadoka	Stanley	2,467	4	76.2[f]		105[f]	29	43[f]	31	50[f]	0.63		0.25	0	7					Rev. Glenn H. Shaw.
Kennebec	Lyman	1,689	20	73.6[d]	+ 0.6	103[a]	29	48[b]	24†	41[a]	2.41	+ 0.32	1.05	0	6	22	8	1	nw.	R. C. Van Horn.
Kimball	Brule	1,788	27	71.6	− 1.2	98	29	49	31	35	3.81	+ 0.94	1.20	0	8	24	6	1	nw.	G. D. Rose.
La Delle	Spink	1,400	16	69.6	− 1.9	98	29	45	31	39	4.42	+ 0.70	1.48	0	10	13	9	9	se.	E. L. Ebbert.
Lead	Lawrence	5,200	4	65.8		89	7†	44	27	40	0.61		0.25	0	5	7	19	5	nw.	E. F. Irwin.
Lemmon	Perkins	2,345	4																	J. C. Foot.
Marion	Turner	1,447	12	74.1	+ 2.1	98	29	51	24	37	2.61	− 1.27	1.28	0	6	12	18	1	se.	M. H. Dains.
Marston	Sully		5	70.1		99	7	45	31	45	3.02		1.76	0	6	11	13	7	nw.	J. W. Kozel.
Meadow	Perkins			67.6		97	7	45	9†	40	0.92		0.36	0	6	18	10	3	nw.	Hillard Wybenga.
Mellette	Spink	1,300	18	69.2	− 2.2	101	29	43	24	43	4.31	+ 1.51	1.27	0	11	20	11	0	se.	Frank A. Howe.
Menno	Hutchinson	1,325	16	75.0	+ 2.4	102[b]	26	49[b]	25	52[b]	2.09	− 1.57	1.12	0	6	19	11	1	se.	J. S. Headley.
Milbank	Grant	1,148	22	67.6	− 2.3	97	29	45	10	40	3.11	+ 0.34	1.20	0	9	17	7	7	nw.	Miss Mary Patridge.
Mitchell	Davison	1,312	19	71.8	+ 0.3	100	29	51	13†	43	3.12	− 0.18	1.35	0	10	16	15	0	s.	C. W. Downey.
Mobridge	Walworth		2	70.4		104	7	48	24	46	1.12		0.85	0	4	23	6	2	ne.	Thomas J. Morris.
Murdo	Lyman	2,300	5	74.4		104	7	50	31	40	2.55		2.00	0	3	20	11	0	e.	L. C. Bode.
Oelrichs	Fall River	3,339	21	70.9	− 1.1	104	13	46	5	54	1.53	− 0.80	0.50	0	7	6	23	2	ne.	J. E. Strouse.
Onaka	Faulk	1,600	1								3.47		1.32	0	9	21	6	4	se.	H. P. Camp.
Onida	Sully	1,921									2.10		0.58	0	9	15	13	3	nw.	E. E. Heywood.
Orman	Butte	2,920	7	71.8		99	7	50	31	41	0.75		0.33	0	5	23	6	2	nw.	U. S. Reclamation Service.
Ottumwa	Stanley		5	73.2		105[a]	2	44[a]	13	47[a]	1.32		0.65	0	4	23	8	0	nw.	J. W. Bretz.
Parkston	Hutchinson	1,400	1								2.32		1.30	0	5	23	8	0		W. C. Rempfer.
Pearl Creek	Beadle										5.68		1.19	0	10					Charles Miner.
Pierre	Hughes	1,572	21	74.8	− 0.4	102	29	56	13	36	2.12	− 0.23	1.00	0	6	17	9	5	e.	U. S. Weather Bureau.
Pine Ridge	Shannon		7	70.1		101	2	35	31	49	1.97		0.45	0	11	13	11	7	s.	W. A. Spencer.
Plankinton	Aurora	1,528	19								4.45	+ 1.51	1.27	0	9	15	15	1	ne.	W. G. Andrews.
Pollock	Campbell		7	68.8		104	29	41	24	56	2.06		0.68	0	10	14	10	7	nw.	J. H. Jones.

TABLE 1.—*Climatological data for July, 1913. District No. 6*—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.
***South Dakota*—Contd.**																				
Rapid City	Pennington	3,251	25	68.8	− 1.4	97	7	46	12	36	0.62	− 1.93	0.21	0	7	13	11	7	w.	U. S. Weather Bureau.
Redfield	Spink	1,295	15	71.4	+ 1.2	104	29	48	13†	45	3.45	+ 0.52	1.76	0	11	17	3	11	nw.	A. S. Hall.
Rochford	Pennington	5,228	3								1.25		0.57	0	9	16	11	4	nw.	Mrs. M. E. Deffenbaugh.
Rosebud	Todd	2,600	19	70.0	− 3.4	100[a]	7	43[a]	31	45[a]	3.35	+ 0.72	1.49	0	10	7	22	2	nw.	W. M. Ege.
Roslyn	Day		7	66.4		94	29	44	24	36	3.38		1.28	0	10	15	11	5	nw.	O. O. Floren.
Selby	Walworth		5	71.8		100[a]	29	46[a]	23	46[a]	1.32		0.43	0	6	22	7	2	nw.	Miss Gertrude Hall.
Sioux Falls	Minnehaha	1,400	22	72.0	+ 0.2	95	15†	51	21	35	3.18	− 0.26	1.08	0	16	15	6	10	s.	J. H. Bechtold.
Sisseton	Roberts	1,202	7	68.4		96	29	50	2†	34	2.43		1.02	0	10	16	4	11	nw.	George Gray.
Sorum	Perkins		2	69.0		98	7	43	9	43	2.78		0.80	0	9	10	13	8	nw.	M. S. Eberhart.
Spearfish	Lawrence	3,647	24	71.0	+ 1.3	97	13	49	30	39	0.48	− 1.59	0.44	0	2	19	11	1	se.	A. E. Johnson.
Stephan	Hyde	1,840	9	70.8		96	8	47	31	41	3.34		1.26	0	7	16	10	5	se.	Rev. A. Mattingly.
Tama	Meade		3			105	7				2.00		1.20	0	4	22	8	1	nw.	E. J. Lehman.
Timber Lake	Dewey	2,163	1	72.2		106	7	40	23	47	0.71		0.27	0	5	10	20	1	w.	W. E. Prann.
Tyndall	Bonhomme	1,418	16	75.0	+ 0.9	98	26	50	21†	35	2.17	− 1.32	1.26	0	11	16	14	1	nw.	F. F. Chladek.
Vale	Butte	2,765	5	70.7		101	7	41	31	45	0.19		0.11	0	3	4	21	6		U. S. Reclamation Service.
Vermillion	Clay	1,222	12	76.4	+ 2.0	103	30	50	24	39	1.32	− 3.09	0.85	0	5	29	2	0	s.	Prof. E. C. Perisho.
Waters Ranch	Lawrence	4,000	3								1.01		0.37	0	5	17	6	8	nw.	George Waters.
Watertown	Coddington	1,735	19	67.3	− 0.2	92	29	44	13	35	3.77	+ 0.54	1.00	0	10	11	15	5	ne.	Robert Q. Wood.
Wentworth	Lake		20	69.8	− 0.6	91[a]	26†	49[a]	23†	35[a]	5.36	+ 2.44	1.42	0	11	21	4	6	n.	R. C. Zimmerman.
White Lake	Aurora	1,646	4								2.49		1.46	0	5	22	8	1	ne.	Mrs. G. A. Rogers.
Winner	Tripp	2,000	1	74.3		100[b]	29	49[b]	30	39[b]	2.92		1.12	0	10	18	10	3	se.	J. W. Barnum.
Wood	Mellette			74.2		102	2†	45	31	43	3.84		2.11	0	9	18	3	10	s.	Fred E. Kirch.
Yankton	Yankton	1,234	39	74.8	+ 0.2	98	26	50	24	36	1.82	− 1.70	0.97	0	9	12	17	2	e.	U. S. Weather Bureau.
Minnesota.																				
Pipestone	Pipestone	1,710	12	70.0	+ 0.6	91	29	48	23	33	4.55	+ 1.40	1.75	0	12	13	15	3	n.	A. L. Doan.
Colorado.																				
Arriba	Lincoln	5,243	7	71.0		100	13	45	12†	43	3.04		1.22	0	8	23	5	3	s.	C. A. Creel.
Auldhurst	Teller	8,500	3								2.08		0.84	0	11	11	15	5	s.	Harry Dunmire.
Bennett (near)	Arapahoe	5,484	5								2.15		0.51	0	7	23	7	1	s.	J. F. Egelhoff.
Boulder	Boulder	5,347	17																	Prof. J. A. Hunter.
Burlington	Kit Carson	4,160	10	76.0	+ 3.7	106	13	49	31	47	0.79	− 2.33	0.25	0	9	14	16	1	se.	W. P. Davis.
Cassells	Park	8,445	3								2.47		0.75	0	8	21	5	5	e.	Harriet M. Cassell.
Castle Rock	Douglas	6,220	21	66.6	− 1.0	97	12	40	4	51	2.75	+ 0.07	0.77	0	9	11	6	14	nw.	Thos. P. Vaughan.
Cheesman	Jefferson	6,890	10	66.0	+ 0.3	90	7	44	26	41	1.83	− 1.55	0.67	0	7	19	8	4	s.	J. G. Thornburg.
Cheyenne Wells	Cheyenne	4,279	21	75.6	+ 2.0	104	13	49	28	46	0.99	− 3.10	0.45	0	5	28	1	2	s.	J. W. Adams.
Corona	Grand	11,660	6																	U. S. Weather Bureau.
Denver	Denver	5,272	41	71.6	− 0.2	99	13	50	28	41	1.76	+ 0.14	0.89	0	11	12	13	6	sw.	Do.
Edgewater	Jefferson	5,450	5	69.0		96	2	45	12†	44	2.54		0.98	0	10	18	8	5		N. P. Levin, M. D.
Estes Park Fish Hatch	Larimer	8,000	4								2.92		0.70	0	13	6	10	15	w.	G. H. Thomson.
Fort Collins	do	4,985	34	66.8	− 1.7	94	2†	42	12†	46	2.63	+ 0.71	1.19	0	12	8	19	4	nw.	Colorado Agricultural College
Fort Lupton	Weld	4,907	3								3.30		1.18	0	10	8	14	9	w.	C. B. Benedict.
Fort Morgan	Morgan	4,319	15	74.2	+ 1.3	109	2	45	12	59	5.61	+ 3.55	3.25	0	6	24	6	1	se.	Great Western Sugar Co.
Frances	Boulder	9,300	8	58.6		82	7	39	12†	36	4.88		1.01	0	16	10	18	3	w.	C. W. Barry.
Frys Ranch	Larimer	7,500	3	59.2		88	6	32	12	49	3.23		0.63	0	12	18	10	3	w.	Norman W. Fry.
Georgetown	Clear Creek	8,550	11								4.55	+ 2.35	0.64	0	14	3	19	9		H. L. Corbett.
Greeley	Weld	4,649	22	70.4	− 0.3	100	2	44	12†	47	2.03	+ 0.15	0.84	0	7	23	5	3	e.	Burton Reynolds.
Grover (near)	do	5,076	9	67.6		97	7†	40	31	46	2.77		1.51	0	8	10[a]	14[a]	6[a]	s.	D. M. Porter.
Hartsel	Park	8,892	4								3.05		0.85	0	13	16	5	10	nw.	Emily Kleinknecht.
Hawthorne	Boulder	6,000	4								2.59		1.04	0	11	15	12	4		B. E. Chesebro.
Holyoke (near)	Phillips	3,745	17	67.6[j]	− 4.4	105	13	34[k]	31	58[k]	3.58	+ 1.11	1.20	0	6	17	12	2	se.	A. C. Cauble.
Idaho Springs	Clear Creek	7,543	13	63.4	+ 0.7	87	3†	41	28	39	3.09	+ 0.27	0.79	0	13	3	25	3	e.	J. J. Willis.
Julesburg	Sedgwick	3,465																		Great Western Sugar Co.
Kersey	Weld	4,571																		Do.
Laporte	Larimer	5,053	22								2.45	+ 0.59	1.35	0	8					P. A. Taft.
Le Roy (near)	Logan	4,380	24								2.96	+ 0.88	1.23	0	8	8[a]	20[a]	2[a]	ne.	Chas. Green.
Longmont	Boulder	4,950	12	70.6	+ 0.6	100[a]	1	42[a]	11	51[a]	2.28	+ 0.75	0.84	0	11	9	21	1	ne.	Great Western Sugar Co.
Longs Peak (near)	Larimer	8,600	18	54.9	+ 0.7	81	6	29	12	43	2.92	− 0.03	0.55	0	13	22	4	5	s.	Enos A. Mills.
Merino	Logan										2.33		1.57	0	6	18	11	2		Great Western Sugar Co.
Moraine	Larimer	7,775	23																	Chas. A. Chapman.
Platte Canon	Jefferson	5,492	14																	Denver Union Water Co.
St. Cloud	Larimer	7,750	10								2.66	+ 0.65	0.98	0	9	12	8	11	w.	Miss Emma S. Cornelison.
Sedgwick	Sedgwick	3,539	5	72.2		105	13	38	31	47	2.59		1.00	0	6	20	10	1	se.	Edwin Lewis, M. D.
Silver Lake	Boulder	10,500	3																	City Engineer, Boulder.
Spicer (near)	Jackson	8,700	3	60.0		89	6	32	12	45	1.72		0.38	0	8	17	9	5		Frank W. Murphy.
Sterling	Logan	3,892	4	68.8		100	7	40	31	55	0.59		0.19	0	6	8	14	9	se.	Great Western Sugar Co.
Waterdale	Larimer	5,206	10																	P. H. Boothroyd.
Wray	Yuma	3,512	17	76.0	+ 1.8	105	13	45	31	46	1.35	− 1.18	0.78	0	3	21	9	1	se.	J. C. Tuomey.
Yuma	do	4,138	22								1.30	− 1.57	0.68	0	8	28	1	2	ne.	Matthew Harr.
Nebraska.																				
Ainsworth	Brown	2,521	8	73.6		97	13	50	25†	42	3.64		1.45	0	7	2	26	3	sw.	John M. Cotton.
Albion	Boone	1,747	17	75.0[j]	+ 2.1	103[j]	15	45[j]	24	44[j]	1.79	− 1.29	0.56	0	6					F. M. Weitzel.
Alliance	Boxbutte	3,968	21	67.8	− 3.5	99	13	37	31	46	5.65	+ 2.98	1.95	0	6	16	13	2	nw.	J. A. Keegan.
Alma	Harlan	1,939	18	77.8	+ 2.0	107	16	48	12	42	0.33	− 2.88	0.20	0	4	24	3	4	s.	W. A. Sharpnack.
Arcadia	Valley	2,186	15								2.40	− 2.26	0.75	0	7	21	6	4	se.	J. L. Owen.
Arden	Wheeler		3								1.43		0.52	0	8	29	2	0	s.	A. E. Johns.
Ashland	Saunders	1,100	30	79.9	+ 3.2	109	16	55	19	37	3.45	− 1.16	1.94	0	11	21	10	0	s.	Dr. A. S. Mansfelde.
Ashton	Sherman	2,061	21								2.01	− 2.02	0.78	0	5	22	0	9	sw.	F. Rein.
Atkinson	Holt	2,108	8	73.9		98	8†	51	31	41	3.08		1.30	0	5					C. J. Wilson.
Auburn	Nemaha	1,051	23	80.4	+ 4.3	111	16	52	21	47	0.82	− 3.55	0.56	0	7	23	6	2	s.	J. R. Huffman.
Aurora	Hamilton	1,792	18								2.88	− 0.95	0.88	0	8	18	6	7	se.	A. D. Travis.
Beatrice	Gage	1,235	24	79.8	+ 3.1	105	16†	54	21	35	0.62	− 3.82	0.30	0	6	21	5	5	se.	H. E. Palmer.
Beaver City	Furnas	2,147	22	79.8	+ 3.4	106	7	53	12	41	1.80	− 1.97	1.00	0	7	24	4	3	se.	T. M. Davis.
Bellevue	Sarpy	1,210	32	79.2	+ 3.3	105	14	57	19	34	1.12	− 2.96	0.50	0	5	24	5	2	se.	A. A. Tyler.
Benkelman	Dundy	2,968																		R. D. Druliner.
Bertrand	Phelps	2,515	5								1.53		0.61	0	7	21	8	2	s.	W. F. Dobbin.
Blair	Washington	1,122	18	77.4	+ 2.9	103	16	51	24	42	2.08	− 1.95	0.50	0	8	27	3	1	nw.	D. C. Van Deusen.
Blake	Garfield		1								2.25		0.64	0	10	22	9	0	s.	H. C. Mead.
Bloomfield	Knox		7	74.7		100	8†	47	23	43	2.51		1.08	0	9	9	22	0	s.	Dr. L. C. Bleick.
Bradshaw	York	1,715	16								2.22	− 2.56	1.10	0	7	17	14	0		E. C. Roggy.
Brewster	Blaine		1								1.81		0.41	0	12	20	9	2	se.	W. S. Turnbull.
Bridgeport	Morrill	3,658	17	72.1	+ 0.5	104	2†	39	12	59	3.27	+ 0.96	0.70	0	10	14	15	2	se.	R. H. Willis.

TABLE 1.—*Climatological data for July, 1913. District No. 6*—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.
Nebraska—Continued.																				
Broken Bow	Custer	2,477	19	73.6	+ 0.3	101	14	42	31	49	2.11	− 2.01	0.75	0	7	27	0	4	n.	R. V. McCall.
Bruning	Thayer	1,583	2								0.53		0.33	0	4	24	5	2	sw.	Henry Middendorf.
Burge	Cherry	2,674	6	73.0		102	7	40	31	51	3.08		1.35	0	4	20	8	3	se.	H. A. Davis.
Burwell	Garfield	2,180	20								2.41	− 0.92	0.66	0	9					W. L. McMullen.
Butte	Boyd		8	74.9		102	8	49	31	42	2.13		0.90	0	5	23	8	0	nw.	W. Whitla.
Cairo	Hall	1,951	5								2.35		0.81	0	6					Elliott Harrison.
Callaway	Custer	2,555	21	76.2	+ 2.8	102	7	45	12	45	1.68	− 1.21	0.71	0	4	14	13	4	s.	J. H. Evans.
Cambridge	Furnas	2,258	7	77.9		108	7	50	12	44	2.66		1.10	0	7	23	5	3	s.	Chas. Jensen.
Columbus	Platte	1,442	20	76.4	+ 3.0	103	16	50	24	39	2.50	− 1.21	1.22	0	8	20	9	2	ne.	A. L. Rush.
Crete	Saline	1,368	31	81.4	+ 5.6	110	16	52	21	38	0.94	− 3.18	0.45	0	5	25	3	3	s.	Doane College.
Culbertson	Hitchcock	2,565	27	79.4	+ 2.8	109	7	48	31	47	1.60	− 1.27	0.90	0	4	16	10	5.	se.	Homer L. Nye.
Curly	Sioux		5	66.4[d]		101	7	33	31	49[d]	2.35		0.63	0	8				se.	A. E. Hann.
Curtis	Frontier	2,553	18	76.4	+ 0.8	101	15	47	12	43	6.33	+ 2.84	2.56	0	10	21	6	4	se.	Dr. S. R. Razee.
Dalton	Cheyenne	4,273	1								5.54		2.60	0	7	21	5	5		J. C. Frandsen.
David City	Butler	1,619	24	77.2	+ 3.3	100	4	55	12	33	4.34	+ 0.25	1.12	0	10	19	10	2	se.	S. Clingman.
Du Bois	Pawnee	1,074	8								0.13		0.13	0	1	23	6	2	s.	O. M. Backus.
Dumas	Garfield		5	72.7		96	26†	51	12†	37[a]	1.77		0.40	0	8	30	1	0	s.	Emile Raes.
Elm Creek	Buffalo	2,268	6								1.26		0.60	0	3					E. L. Sutton.
Elsie	Perkins	3,382	5								2.77		1.16	0	11					J. F. Brittain.
Ericson (near)	Garfield	2,029	21								2.12	− 1.11	0.93	0	7	18	10	3	nw.	J. A. Bodyfield.
Ewing	Holt	1,888	21	76.8		105	29	46	24	47	1.40	− 1.85	0.64	0	8					G. H. Benson.
Exeter	Fillmore	1,607	2								0.85		0.65	0	2					Frank Ainsworth.
Fairbury	Jefferson	1,316	39	82.1	+ 4.9	111	16	51	21	43	0.20	− 4.34	0.08	0	3	22	7	2	s.	W. F. Cramb.
Fairmont	Fillmore	1,641	19	79.3	+ 4.2	108	16	52	21	41	1.19	− 2.71	0.72	0	4	18	13	0	s.	C. B. & Q. R. R. Co.
Falls City	Richardson	898	19	82.6	+ 5.0	110	16	54	12†	43	0.64	− 4.08	0.43	0	4	28	3	0	se.	Dr. J. C. Yutzy.
Fort Robinson	Dawes	3,764	30	69.4	− 1.5	98	7	37	31	52	3.51	+ 1.38	1.10	0	7	24	2	5	n.	Post surgeon.
Franklin	Franklin	1,820	20	81.8	+ 5.8	110	16	48	12	47	0.30	− 3.17	0.25	0	2	22	8	1	se.	A. R. Peck.
Fremont	Dodge	1,203	34	78.4	+ 3.3	102	16	53	21	43	2.28	− 1.90	0.73	0	7	22	7	2	se.	Ernest Hahn.
Fullerton	Nance	1,629	12	76.4		102	15	50	21†	40	2.47	− 1.57	0.75	0	6	27	4	0	s.	Dr. F. W. Johnson.
Geneva	Fillmore	1,633	23	81.6	+ 5.5	110	16	51	21	42	0.96	− 2.81	0.35	0	4	25	4	2	sw.	F. M. Flory.
Genoa	Nance	1,584	38	73.8	− 1.1	103	15	40	21†	49	2.33	− 1.69	0.82	0	6	22	5	4	n.	F. W. Parsons.
Gordon	Sheridan	3,550	12	70.0[m]		100[m]	7	34[a]	31	50	1.95	− 0.55	0.54	0	6					G. F. Williams.
Gosper	Gosper		12								2.03	− 1.24	0.90	0	7	26	3	2	s.	E. H. Stoll.
Gothenburg	Dawson	2,557	19	74.6	+ 0.2	104	7	48	12†	43	2.87	+ 0.02	1.40	0	11	23	7	1	se.	S. S. Kaufman.
Grand Island	Hall	1,860	21	79.8	+ 4.2	105	4†	55	21†	38	2.08	− 1.94	0.62	0	9	17	11	3	s.	E. A. Barnes.
Grant	Perkins	3,405	10	74.5		109	13	41	31	51	1.72	− 1.86	1.02	0	7				se.	Anson K. Holmes.
Greeley	Greeley	2,021	18	75.0		100	15	50	12†	32	1.68	− 1.85	0.41	0	9	19	12	0	se.	W. E. Morgan.
Guide Rock	Webster	1,646	13								0.45	− 4.94	0.22	0	4	16	13	2	s.	J. S. Marsh.
Haigler	Dundy	3,258	18								0.73	− 1.94	0.73	0	1					J. L. Pember.
Halsey	Thomas	2,695	11	74.2	+ 1.4	101	13	46	4	46	3.09	− 0.64	0.71	0	10	25	6	0	se.	Bureau of Forestry.
Hartington	Cedar	1,309	22	74.6	+ 1.7	101	30	50	24	38	2.48	− 0.82	1.10	0	4	12	14	5	nw.	D. E. Ewing.
Harvard	Clay	1,812																		Bert Gregg.
Hastings	Adams	1,932	23	79.1	+ 3.6	108	16	53	12	45	1.93	− 1.76	0.95	0	5	28	3	0	sw.	C. B. & Q. R. R. Co.
Hayes Center	Hayes		20	76.4		107	15	47	28	45	1.69	− 0.91	0.70	0	7	25	4	2	se.	Jos. M. Crosby.
Hay Springs	Sheridan	3,821	27	68.2[l]	− 2.1	100[l]	13	36[l]	31	46[l]	2.27	− 0.36	0.60	0	7					A. Kadlecek.
Hebron	Thayer	1,458	28	81.0	+ 4.7	108	16	50	21	38	0.32	− 3.93	0.21	0	5					Dr. C. M. Easton.
Hemingford	Boxbutte	4,256	4								2.14		0.90	9	9					A. S. Enyeart.
Hendley	Furnas	2,231	9								1.03		0.45	0	4					T. L. Jones.
Hershey	Lincoln	2,902	2								2.99		1.06	0	10	23	3	5		G. F. Palmer.
Hillside	Arthur	3,484	4	71.0		99	7	41	31	44	5.65		1.50	0	15	22	7	2	se.	Mrs. R. R. Lloyd.
Holdrege	Phelps	2,324	23	79.4	+ 2.9	110	8	53	12	41	0.56	− 2.64	0.15	0	5	9	19	3	s.	C. B. & Q. R. R. Co.
Hooper	Dodge	1,228	16	78.6	+ 3.7	103	16	48	20†	50	1.33	− 3.01	0.45	0	5	25	2	4	s.	Dr. W. H. Heine.
Hulf (near)	Banner		3								4.36		1.16	0	9	24	1	6	w.	Mrs. W. P. Miller.
Imperial	Chase	3,278	24	75.4	+ 0.9	107	6†	45	31	47	3.13	+ 0.19	1.23	0	10	12	16	3	ne.	Robt. Malcolm.
Kearney	Buffalo	2,146	26	79.8	+ 3.8	107	7	47	12	45	0.96	− 3.29	0.39	0	5	23	6	2	ne.	City engineer.
Kimball	Kimball	4,697	25	69.6	− 1.2	103	13	41	31	50	3.65	+ 1.09	1.06	0	10	19	10	2	w.	F. J. Bellows.
Kirkwood	Rock		18	74.4	+ 1.6	102	8	50	31	40[a]	3.46	− 0.35	1.42	0	6				sw.	Mrs. C. Arter.
Kowanda	Garden		5								3.19		1.60	0	8					Geo. W. Hulse.
Lexington	Dawson	2,385	24	77.7	+ 4.9	108	7	48	12	46	1.65	− 1.56	1.17	0	7	26	0	5	se.	Robt. Chadwick.
Lincoln	Lancaster	1,189	35	81.0	+ 4.6	109	16	54	21	34	1.95	− 1.88	0.99	0	10	22	6	3	s.	U. S. Weather Bureau.
Lodgepole	Cheyenne	3,820	17	73.0	+ 2.6	106	13	39	30	53	1.71	− 0.71	0.65	0	7	16	12	3	e.	R. T. Kidney.
Loup City	Sherman	2,067	18	75.6	+ 1.9	102	15	45	31	46	3.17	− 1.46	1.78	0	5	28	3	0	ne.	Harriet Hayhurst.
Loyal	Custer																			Jas. H. Bailey.
Lynch	Boyd		18								1.90	− 2.04	0.92	0	8	14	17	0	ne.	Anton Basta.
McCool Junction	York	1,575	18								1.22	− 3.07	0.35	0	6					L. L. Slagel.
Madison	Madison	1,585	19	76.4	+ 3.0	100	4	50		42[a]	1.37	− 1.88	0.57	0	4	27	3	1	sw.	Dr. F. A. Long.
Marquette	Hamilton	1,830	34								3.29	− 0.90	1.25	0	8					John Ellis.
Mary	Brown		3								2.44		1.34	0	7	23	7	1	nw.	G. C. Stuffi.
Mason City	Custer	2,257	12								2.92	− 1.32	1.75	0	5					J. A. Amsberry.
Minatare	Scotts Bluff	3,825	4								2.96		1.18	0	8	25	4	2	nw.	A. Kennedy.
Minden	Kearney	2,169	36	80.8	+ 5.6	110	16	52	19	39	0.85	− 3.54	0.52	0	7	21	8	2	se.	Joel Hull.
Mitchell	Scotts Bluff	3,950	5	69.5		99	13	36	31	49	2.48		0.76	0	9	13	16	2	ne.	U. S. Reclamation Service.
Nebraska City	Otoe	941	38	81.9	+ 5.6	108	16	53	21	39	0.76	− 2.87	0.63	0	2	25	5	1	s.	C. B. & Q. R. R. Co.
Nelson	Nuckolls	1,683	3	81.4		110	16	48	21	46	0.48		0.22	0	3	25	3	3	s.	Mack I. Koser.
Norfolk	Madison	1,532	29	77.2	+ 3.5	101	4†	48	21†	42	1.79	− 2.29	0.65	0	8	28	2	1	s.	Dr. P. H. Salter.
North Loup	Valley	1,961	25	76.8	+ 2.6	106	15	50	19	41	1.75	− 2.11	0.56	0	5	22	9	0	se.	W. G. Rood.
North Platte	Lincoln	2,841	39	74.4	+ 0.5	100	15	47	12	43	3.37	+ 0.60	1.15	0	9	26	2	3	se.	U. S. Weather Bureau.
Oakdale	Antelope	1,722	27	74.8	+ 1.5	98	15†	49	21	38	1.27	− 2.31	0.41	0	12	16	13	2	n.	G. S. Clingman.
Omaha	Douglas	1,103	43	79.8	+ 3.3	104	16	61	12	31	1.92	− 2.41	0.67	0	8	20	9	2	s.	U. S. Weather Bureau.
O'Neill	Holt	1,975	15								2.85	− 0.09	1.01	0	6	22	7	2	sw.	L. E. Best.
Ord	Valley	2,062	18								2.58	− 1.01	0.81	0	10	22	5	4	s.	Jas. Milford.
Orleans	Harlan	1,993																		Jas. McGeachin.
Osceola	Polk	1,644	14	78.2		104	4†	50	23	41	2.63	− 1.80	0.60	0	9	22	9	0	s.	G. T. Ray.
Oshkosh	Garden	3,393	1	72.4		102	13	42	31	50	3.85		1.11	0	9	17	12	2	se.	Robert Quelle.
Palisade	Hitchcock		4								1.45		0.98	0	4					E. E. Young.
Pawnee City	Pawnee	1,475	17	80.9	+ 5.0	110	16	48	31	45	0.18	− 3.90	0.11	0	2				s.	F. A. Barton.
Paxton	Keith	3,060	7	74.4		106	13	42	31	47	4.01		1.81	0	10	26	2	3	s.	C. F. Coy.
Plymouth	Jefferson	1,419	9	80.1		110	16	50	21	39	0.20		0.09	0	3	16	11	4	s.	Dora Ruppel.
Purdum	Blaine		13	73.4	+ 1.6	101	7†	47	31	47	2.42	− 1.12	1.55	0	8	20	10	1	nw.	T. C. Jackson.
Ravenna	Buffalo	2,028	36	76.6	+ 2.5	104	15	46	12	40	2.34	− 1.78	0.84	0	8	24	4	3	s.	H. G. Smith.
Red Cloud	Webster	1,687	22	82.1	+ 5.0	108	16†	51	12	41	0.58	− 3.82	0.38	0	5	26	4	1	sw.	Chas. S. Ludlow.
St. Libory	Howard	1,887	19								2.53	− 2.03	0.92	0	5	19	9	3	s.	W. I. Meader.
St. Paul	do	1,796	20	78.6	+ 3.1	103	15†	53	12	37	1.81	− 2.64	0.64	0	5	24	7	0	sw.	Paul Anderson.
Santee	Knox		26	76.6	+ 1.0	103	26	50	24	42	1.11	− 2.50	0.55	0	3	15	16	0	nw.	A. M MacGregor.
Schuyler	Colfax	1,357	20	78.2		105	15	50	21	41	2.74	− 0.89	0.65	0	10	19	12	0	nw.	R. O. Brownell.
Scottsbluff	Scotts Bluff	3,888	27	72.9	+ 1.0	102	13	39	12†	51[a]	2.52	+ 0.33	1.45	0	10	21	9	1	se.	A. B. McCoskey.
Seward	Seward	1,435	22	79.2	+ 2.3	106	16	53	19	36	0.80	− 3.47	0.30	0	8	7	20	4	sw.	C. B. & Q. R. R. Co.

TABLE 1.—*Climatological data for July, 1913. District No. 6*—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.
***Nebraska*—Continued.**																				
Sidney	Cheyenne	4,090	21								3.31	+ 0.88	1.72	0	9	23	7	1	se.	John P. Fischer.
Springfield	Sarpy	1,052	2								1.48		0.86	0	5	18	12	1	se.	L. A. Bates.
Springview	Keyapaha		22	73.2	− 0.2	97	8†	47	31	41	4.95	+ 1.74	1.65	0	9	18	9	4	nw.	C. L. Phelps.
Stanton	Stanton	1,472	22	75.6	+ 2.4	101	4†	47	20	41	2.09	− 1.72	0.90	0	7	22	9	0	sw.	Alfred Pont.
Stapleton	Logan		1	77.0		107	5	49	11	49	2.18		0.75	0	8					F. E. Peterson.
Stratton	Hitchcock	2,804	18								2.43	+ 0.13	2.00	0	3					Miss Stella Vennum.
Superior	Nuckolls	1,574	30								0.28	− 4.26	0.28	0	1					F. V. Bishop.
Syracuse	Otoe	1,059	22	80.6	+ 4.1	109	16	49	21	41	0.73	− 2.87	0.34	0	7	24	7	0	sw.	W. N. Hunter.
Table Rock	Pawnee	1,023	25								0.97	− 3.33	0.80	0	3	25	6	0	s.	E. D. Howe.
Tecumseh	Johnson	1,113																		Dr. C. H. Davies.
Tekamah	Burt	1,060	24	77.1	+ 1.9	103	16	53	19†	41	3.24	− 1.07	1.82	0	9	24	1	6	se.	Dr. A. D. Nesbit.
University Farm	Lancaster		30	81.0	+ 5.2	109	16	50	21	39	2.37	− 1.61	1.15	0	7	20	11	0		S. W. Perin.
Valentine	Cherry	2,613	25	72.0	− 1.2	98	7	44	31	39	3.94	+ 0.54	1.28	0	10	21	8	2	ne.	U. S. Weather Bureau.
Wahoo	Saunders	1,187	11								3.38	− 0.90	1.47	0	8	23	8	0		W. T. Mauck.
Wakefield	Dixon	1,387	19	76.2	+ 3.1	102	30	47	21†	43	1.61	− 1.55	0.70	0	7	25	5	1	s.	I. H. Weaver.
Walthill	Thurston		12	76.9	+ 4.7	100	30	49	21†	39	2.34	− 1.38	0.60	0	8	16	15	0	s.	G. A. Dudley.
Watertown	Buffalo	2,299	8								2.85		1.88	0	4	22	9	0	s.	R. E. Swift.
Wauneta	Chase	2,935	16								1.25	− 1.44	0.45	0	6					C. D. Fuller.
Weeping Water	Cass	1,080	36	80.0		110	16	49	21	44	1.64	− 2.14	1.24	0	5	23	4	4	s.	S. W. Orton.
Westpoint	Cuming	1,313	28	79.7	+ 4.5	103	16	52	21†	38	2.40	− 1.46	0.66	0	8	27	4	0	s.	J. C. Elliott.
Wisner	do	1,380	18								1.94	− 2.00	0.42	0	10					F. C. Evans.
York	York	1,633	25	80.6	+ 3.7	112	16	50	21	44	1.17	− 3.06	0.27	0	8	26	4	1	sw.	A. T. Glauque.
Iowa.																				
Afton	Union	1,212	19	77.0	+ 1.8	97	29†	56	10	28	0.94	− 3.41	0.76	0	3	25	6	0	sw.	N. W. Rowell.
Allerton	Wayne		11	77.9	+ 5.3	103	29	53	21	33	0.25	− 4.32	0.20	0	2	24	5	2	s.	Maude Chase.
Alton	Sioux	1,305	8	74.7		100	30	50	21	39	3.66		1.33	0	9	20	10	1	sw.	W. S. Slagle.
Atlantic	Cass	1,164	22	78.4	+ 5.2	105	16	51	21	37	0.49	− 3.84	0.14	0	8				sw.	Thos. H. Whitney.
Audubon	Audubon	1,301	19	76.2	+ 4.1	98	16	51	11†	34	1.88	− 2.04	0.90	0	5	24	5	2	se.	Geo. E. Kellogg.
Bedford	Taylor		13	77.1	+ 3.7	101	29	50	21	38	3.38	− 1.96	1.65	0	5	22	9	0	s.	E. E. Healy.
Centerville	Appanoose	1,013	3	79.2		105	29	54	21	37	0.55		0.35	0	3	27	1	3	s.	Gordon Peacock, jr.
Chariton	Lucas	1,042	18	76.6	+ 2.8	103	29	50	21	37	0.55	− 4.91	0.55	0	1	21	10	0	s.	C. C. Burr.
Clarinda	Page	1,009	23	78.1	+ 2.6	106	16	53	21	40	3.24	− 1.46	2.60	0	5	21	8	2	s.	A. S. Van Sandt.
Corning	Adams	1,117	21	78.3	+ 4.7	104	16	48	21	40	1.37	− 2.98	0.81	0	3	17	6	8	sw.	Jerome Smith.
Corydon	Wayne	1,101	20	78.9	+ 4.1	104	29	51	21	37	0.91	− 3.27	0.84	0	3	18	10	3	sw.	May C. Miller.
Council Bluffs	Pottawattamie	990	3	77.9		103	14	50	19	39	2.62		1.00	0	7	17	8	6	se.	B. W. Crossley.
Creston	Union	1,312	8	75.8		99	16†	52	21	36	0.74		0.50	0	4	22	7	2	sw.	O. J. Colby.
Cumberland	Cass		14								0.11	− 5.33	0.10	0	2	30	1	0	sw.	J. H. Reppert.
Denison	Crawford	1,180	19	75.9	+ 3.2	99	16†	48	10†	38	2.43	− 1.63	1.02	0	9	26	3	2	s.	W. C. Van Ness.
Elliott	Montgomery		8	78.0		103	16	54	10†	36	2.72		1.35	0	4	22	9	0	s.	C. H. Westrope.
Greenfield	Adair		21	78.0	+ 4.1	104	16	52	20	34	1.22	− 3.48	1.03	0	3	17	14	0	sw.	Frank A. Ward.
Harlan	Shelby	1,182	14	75.5	+ 2.3	98	15†	51	10†	36	1.82	− 3.49	0.76	0	9	18	12	1	sw.	C. A. Reynolds.
Inwood	Lyon	1,474	9	73.1		99	30	52	12†	33	2.85		1.20	0	9	25	4	2	n.	F. B. Hanson.
Lake Park	Dickinson	1,479		71.4		96	30	50	21†	34	2.25		0.90	0	4	25	3	3	s.	A. E. Woodruff.
Lamoni	Decatur	1,120	6	78.5		102	29†	55	21†	39	1.32		0.60	0	3	12	15	4	s.	T. J. Fitzpatrick.
Le Mars	Plymouth	1,224	17	74.6	+ 2.2	96	30	50	24	36	1.80	− 2.67	0.86	0	9	22	8	1	se.	G. A. C. Clarke.
Lenox	Taylor	1,250	18	78.0	+ 4.2	100	16	54	12	31	0.78	− 4.16	0.58	0	4	25	5	1	s.	J. L. Hurley.
Leon	Decatur	1,120	11	78.4	+ 5.2	100	29	55	10	31	1.20	− 3.22	1.20	0	1	24	4	3	sw.	Morris Gardner.
Little Sioux	Harrison		8	77.5		100	16†	50	24	37	3.38		1.20	0	9	22	8	1	se.	Geo. H. Gibson.
Logan	do	928	46	77.2	+ 2.5	101	16	47	12	37	1.84	− 3.35	0.60	0	6	18	12	1	sw.	Glenn H. Stern.
Mount Ayr	Ringgold	1,236	20	79.0	+ 4.0	102	29†	56	10†	32	1.18	− 4.13	0.70	0	6	22	9	0	s.	Alex Maxwell.
Murray	Clarke	1,216	22	77.8	+ 3.7	102	29	55	22	35	0.89	− 3.96	0.73	0	3	19	12	0	s.	M. T. Ashley.
Northboro	Page	1,046	1	80.1		108	16	55	10†	38	1.41		0.85	0	4	23	4	4	se.	J. M. Darby.
Odebolt	Sac	1,356	16	77.5	+ 3.0	102	15†	51	10†	38	2.60	− 2.04	1.10	0	6	27	4	0		E. Starner.
Onawa	Monona	1,051	13	79.6	+ 4.6	101	30	56	24	34	2.04	− 3.63	0.52	0	9	28	2	1	s.	C. G. Perkins.
Pacific Junction	Mills	960	14	77.8	+ 3.6	107	16	52	10†	43	0.40	− 4.73	0.28	0	4	23	8	0	n.	H. H. McCartney.
Rock Rapids	Lyon	1,358	14																	W. C. Wyckoff.
Sheldon	O'Brien	1,422	13																	Geo. Aupperle.
Sibley	Osceola	1,212	20	71.5	+ 1.3	98	30	49	10	39	2.82	− 1.15	6.83	0	9	20	7	4	n.	H. G. Doolittle.
Sioux Center	Sioux		14	74.1	+ 2.9	96	30	52	10	31	2.64	− 2.07	0.90	0	6	29	2	0	s.	J. de Ruyter.
Sioux City	Woodbury	1,135	24	76.6	+ 2.4	100	30	54	21	36	1.92	− 1.69	0.92	0	8	23	7	1	s.	U. S. Weather Bureau.
Spencer	Clay		3	73.8		99	30	49	10	39	2.76		1.14	0	8				sw.	S. Gillespie.
Thurman	Fremont		16	80.0	+ 4.6	108	16	53	19†	37	1.16	− 4.75	0.71	0	4	14	15	2	sw.	C. R. Paul.
Washta	Cherokee	1,157	15	74.2	+ 3.6	99	16†	45	10	40	2.53	− 1.92	0.93	0	8	26	5	1	s.	H. L. Felter.
Kansas.																				
Abilene	Dickinson	1,157	18								0.38	− 3.70	0.26	0	3	23	6	2	s.	T. W. Sherman.
Agricultural College	Riley	1,100	55	83.4	+ 4.7	110	14	49	21	42	0.17	− 4.62	0.09	0	2	11	18	2	s.	Prof. J. O. Hamilton.
Alton	Osborne	1,651	11	84.2		113	16	50	12	48	0.35	− 3.40	0.25	0	3	24	5	2	s.	H. A. Storer.
Atchison	Atchison	973	22			107		54	24	38	0.65	− 4.18		0	1					Prof. E. M. Stahl.
Beloit	Mitchell	1,383	18	83.6		113	14	51	10	42	T.	− 3.66	T.	0	0	14	15	2	s.	F. A. Slack.
Blakeman	Rawlins	2,894	16	77.7	+ 2.1	108	15	47	12	47	0.64	− 2.44	0.29	0	5	27	1	3	s.	C. L. Henderson.
Blue Rapids	Marshall	1,105	7								0.30		0.23	0	2	21	5	5		M. Norton.
Centralia	Nemaha	1,256	4	82.2		110	16	49	21	46	0.36		0.33	0	2	20	10	1	sw.	N. S. Hazen.
Chapman	Dickinson	1,113	9											0						E. F. Halbert.
Clay Center	Clay	1,203	12	85.1	+ 7.3	112	14†	50	21	49	0.00	− 3.78	0.00	0	0	22	5	4	sw.	O. L. Slade.
Colby	Thomas	3,138	22	78.4	+ 3.2	106	13	55	20†	40	0.59	− 1.87	0.32	0	6	20	8	3	sw.	G. H. Kinkel.
Concordia	Cloud	1,398	29	83.2	+ 5.1	110	14	55	21	36	0.15	− 3.47	0.09	0	4	9	21	1	s.	U. S. Weather Bureau.
Densmore	Norton	2,200	4	79.8		110	15†	52	1†	42	0.73		0.21	0	5	23	3	5	se.	Miss Irene Vaughn.
Dresden	Decatur	2,731	19	80.0	+ 4.6	109	15	53	12	51	0.49	− 3.31	0.25	0	5	15	5	11	ne.	Jacob Bock.
Ellsworth	Ellsworth	1,537	9	84.7		112	14	54	21	42	0.13		0.07	0	3	17	14	0	s.	Geo. Seitz.
Emmett	Pottawatomie	1,024	1								0.17		0.17	0	1	22	7	2	s.	Frank Zina.
Eskridge	Wabaunsee	1,412	7	81.2		102	15	58	10	32	1.28		0.46	0	5	22	8	1	s.	Geo. D. West.
Farnsworth	Lane	2,850	12	81.1	+ 5.0	116	13	50	12	46	0.50	− 2.64	0.14	0	4	27	3	1	s.	C. M. Jennison.
Fort Scott	Bourbon	857	38	83.9	+ 6.0	105	18	55	21	40	8.28	+ 3.86	3.82	0	6	21	0	10	sw.	E. A. Shaver.
Frankfort	Marshall	1,146	19	84.4	+ 7.4	113	27	51	21	44	0.90	− 3.54	0.90	0	1	24	4	0	s.	W. W. Watson.
Garnett	Anderson	950	7			104	16†				2.66		0.68	0	8	13	17	1	s.	D. D. Judy.
Goodland	Sherman	3,687	6											0						C. C. Calvert.
Hanover	Washington	1,225	16	82.6	+ 5.6	110	16	55	12†	41	0.04	− 4.10	0.04	0	1	22	2	7	s.	A. Jaedicke, jr.
Harrison	Jewell	1,804	12	81.8	+ 6.1	109	16	51	12	42	0.94	− 3.36	0.67	0	5	28	3	0	s.	Mahlon Tegley.
Hays	Ellis	2,000	45	82.0	+ 4.9	110	14	57	21	46	0.63	− 2.78	0.28	0	5	11	17	3	sw.	G. K. Helder.
Hill City	Graham	2,134	5	82.2		113	13	50	24	44	0.82		0.48	0	3	24	7	0	s.	C. A. G. Inlow.
Holton	Jackson	1,043	2	81.8		109	16	50	21	40	0.06		0.06	0	1	21	9	1	s.	Miss Thamar Richey.
Horton	Brown	1,188	24	80.6	+ 4.1	106	15†	54	12	38	0.51	− 3.82	0.28	0	3	20	10	1	s.	Mrs. S. C. Belden.

TABLE 1.—*Climatological data for July, 1913. District No. 6*—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.
***Kansas*—Continued.**																				
Hoxie	Sheridan	2,700	14	80.0	+ 3.0	110	13	51	12	43	0.38	− 2.80	0.20	0	2	12	16	3	s.	L. L. Vinson.
Lawrence	Douglas	997	45			103	15				1.67	− 3.03	0.89	0	5	9	17	5	sw.	R. K. Young.
Leavenworth	Leavenworth	913	69	82.0	+ 5.0	103	15†	61	19†	34	2.07	− 2.16	1.25	0	4	20	5	6	s.	Dr. A. F. Yohe.
Lebanon	Smith	1,812	15	82.2	+ 5.7	109	16	53	12	39	1.15	− 2.71	0.40	0	4	24	6	1	s.	E. V. Bower.
Lenora	Norton	2,300									0.88		0.32	0	8					J. S. Goodrich.
Leoti	Wichita	3,300	10	79.6		109	13	54	12	43	1.23		0.88	0	5	21	9	1	se.	L. E. Gorsuch.
Lincoln	Lincoln	1,374	1	85.0		111	14	52	21	42	0.15		0.15	0	1	21	7	3	s.	R. W. Greene.
Lindsborg	McPherson	1,333	7								0.83		0.33	0	5	20	7	4	s.	A. J. Fredrickson.
McCracken	Rush	2,139	1	84.3		110	14	58	19†	40	0.78		0.33	0	5	21	10	0	sw.	E. D. Floyd.
Minneapolis	Ottawa	1,259	23	83.2	+ 5.0	107	16	58	10	39	2.34	− 0.84	2.25	0	2	24	6	1	s.	J. L. Steele.
Moran	Allen	1,098	17	81.9	+ 3.8	105	18	59	22	38	4.51	− 0.16	3.10	0	6	20	9	2	sw.	C. J. Norton.
Natoma	Osborne	1,834	4																	C. O. Hunt.
Norton	Norton	2,284	15	79.4	+ 3.5	109	13	52	12	43	0.57	− 2.91	0.20	0	4	17	13	1	se.	Sim Sieffel.
Oberlin	Decatur	2,539	26	80.6		110	7†	51	12†	46	0.32	− 3.23	0.31	0	2	22	7	2	s.	I. K. Huber.
Oketo	Marshall	1,194	5	83.0		112	16	52	21	41	1.49		1.41	0	3	9	21	1	s.	J. A. Church.
Olathe	Johnson	1,032	18	82.4	+ 4.9	108	15	55	21	41	0.98	− 3.65	0.32	0	5	23	6	2	s.	Dr. S. B. S. Wilson.
Oskaloosa	Jefferson	991									0.71		0.55	0	2					Ralph Snyder.
Ottawa	Franklin	926	19	81.6	+ 4.5	104	15†	55	21	39	1.98	− 2.84	0.64	0	8	21	6	4	s.	W. J. Sheldon.
Phillipsburg	Phillips	1,939	22	81.8	+ 5.7	111	16	55	12†	42	1.34	− 1.81	0.92	0	6	23	8	0	sw.	N. E. Bailey.
Plainville	Rooks	2,156	7								0.74		0.25	0	5	26	5	0	sw.	P. D. Spellman.
Pleasanton	Linn	862	11	83.0	+ 5.3	105	15	58	21	37	2.58	− 1.59	1.33	0	5	22	8	1	sw.	B. F. Blaker.
Quenemo	Osage	941	1								1.57		0.56	0	5	21	8	2	sw.	R. L. Graham.
Republic	Republic	1,495	10	81.8		110	16	49	12	45	0.22		0.12	0	4					J. W. Ambrose.
Russell	Russell	1,834	14	83.8	+ 5.9	110	14	58	10†	39	0.20	− 2.87	0.20	0	1	23	5	3	s.	Robert Brebner.
Russell Springs	Logan		3																	D. J. Hutto.
St. Francis	Cheyenne	3,288	5	77.2		109	13	47	31	45	2.19		1.08	0	5	12	16	3	se.	J. E. Uplinger.
Salina	Saline	1,227	29	85.3	+ 6.9	110	8	51	10	40	0.28	− 3.37	0.11	0	3	26	5	0	sw.	Prof. A. W. Jones.
Scott	Scott	2,971	7	81.6		114	13	57	12†	44	2.22		1.54	0	3	27	3	1	s.	J. B. Loughran.
Smith Center	Smith	1,800	3	83.0		112	16	50	12	45	0.86		0.39	0	5	24	5	2	se.	W. H. Nelson.
Topeka	Shawnee	997	27	81.8	+ 4.2	104	16	61	21	31	1.57	− 3.28	1.06	0	4	20	10	1	s.	U. S. Weather Bureau.
Tribune	Greeley	3,612	14	78.2		107	13	54	20	44	3.02	+ 0.35	2.35	0	5	26	2	3	se.	Chas. E. Cassel.
Valley Falls	Jefferson	913	14	81.4	+ 5.1	107	16	54	21	40	0.39	− 4.10	0.30	0	4	27	3	1	s.	Miss Nettie Maxwell.
Vinland	Douglas	880	4								1.58		0.60	0	9					A. Schick.
Wakeeney	Trego	2,456	30	80.6	+ 3.5	110	13	54	12†	41	3.08	− 0.28	1.06	0	6	27	3	1	s.	A. S. Peacock.
Wallace	Wallace	3,303	43	80.1	+ 5.3	109	7	51	12	42	0.33	− 2.88	0.14	0	5	23	8	0	s.	J. L. Page.
Wamego	Pottawatomie	1,002	20	83.0		106	15†	55	21	32	0.14	− 5.07	0.12	0	2	19	8	4	sw.	M. L. Stone.
Missouri.																				
Amoret	Bates	850	5	83.1		106	15	59	21	37	1.61		0.90	0	3	18[b]	8[b]	3[b]	sw.	Darby Fruit Farm.
Appleton City	St. Clair	583	23	82.6	+ 4.6	106	8†	55	18	45	1.38	− 4.14	1.19	0	2	17	11	3	sw.	Robert Brown.
Arlington	Phelps	695	18								3.78	+ 0.36	0.79	0	11	19	6	6	se.	G. V. Randolph.
Arthur	Vernon	767	21	82.6	+ 6.1	105	16†	63	25	34	0.86	− 3.49	0.57	0	4	21	10	0	sw.	J. T. Armstrong.
Avalon	Livingston		29	78.8	+ 1.7	101	17	55	21	35	3.64	− 1.02	0.90	0	9	25	5	1	sw.	F. G. Ashbaugh.
Bagnell	Miller	594	11								2.26	− 2.46	1.50	0	3	20	4	7	w.	C. O. Brockman.
Bethany	Harrison	881	24	79.8	+ 4.6	100	30	57	20†	32	2.06	− 2.64	0.78	0	4	23	8	0	se.	W. H. Skinner.
Bolivar	Polk	1,070	26	83.8	+ 7.3	108	13	54	21	43	1.51	− 2.39	0.60	0	5	23	8	0	sw.	A. C. Fink.
Boonville	Cooper	600	38								2.66	− 1.70	0.85	0	8	20	0	11	sw.	C. Randecker.
Brunswick	Chariton	652	35	78.3	+ 1.4	97	16†	58	21	31	6.38	+ 1.78	2.18	0	8	16	4	11	e.	Louis Benecke.
Clinton	Henry	800	27	84.6		107	17	60	21	36	0.45	− 4.14	0.45	0	1	22	9	0	se.	A. E. Derwent, M. D.
Columbia	Boone	784	24	80.1	+ 2.7	100	28	59	22	31	3.38	− 0.27	0.98	0	10	11	14	6	s.	U. S. Weather Bureau.
Conception	Nodaway	982	30	79.0	+ 3.4	101	16	57	10	29	3.93	− 0.31	3.62	0	4	18	12	1	s.	Fr. Adhelm Hess.
Crocker	Pulaski	1,300	2	80.4		103	18†	57	22	36	5.43		1.74	0	8	16[a]	11[a]	3[a]	s.	Ira H. Stephens.
Duncan	Webster		1	78.1		101	18	53	21	39	2.70		1.22	0	9	14[a]	13[a]	3[a]	s.	C. A. Mingus.
Eldon	Miller	934	2	80.8		104	18	57	21†	38	3.09		1.20	0	10	7	23	1	sw.	Charles A. Kellogg.
Fayette	Howard	725	31	79.8	+ 2.6	100	29	60	21†	30	3.25	− 0.82	1.11	0	5	19[e]	6[e]	1[e]		Prof. T. B. Smith.
Fulton	Callaway	818	23			101	17†	50	20		3.08	− 1.59	0.83	0	6	24[a]	4[a]	2[a]	w.	Russell Johnston.
Glasgow	Howard	618	35								4.85	+ 1.02	1.32	0	7	20	0	11	e.	J. J. Shaughnessy.
Grant City	Worth	1,130	22	79.0	+ 3.8	105	29	55	10	35	2.10	− 2.92	0.93	0	3	25[a]	2[a]	3[a]	s.	W. H. Campbell.
Harrisonville	Cass	912	42	82.4	+ 5.0	105	16†	61	10†	36	1.53	− 2.56	0.55	0	7	15	3	13	sw.	A. J. Sharp.
Hazelhurst	Livingston		21								3.67	− 0.24	1.73	0	6					W. H. Baker.
Hermann	Gasconade	482	40								2.54	− 1.42	0.90	0	12	11	12	8	s.	C. T. Maushund.
Houston	Texas	1,280	22	76.4	+ 0.7	100	30	48	21	40	4.08	− 0.68	1.05	0	8	4	27	0	s.	E. Dempsey.
Jefferson City	Cole	628	32	79.8	+ 1.9	104	18†	56	22	39	2.77	− 1.11	0.82	0	11	19	0	12	s.	Miss Emma Swift.
Kansas City	Jackson	963	26	81.6	+ 4.0	103	15	62	19	27	3.86	− 0.98	1.21	0	7	18	12	1	s.	U. S. Weather Bureau.
Kidder	Caldwell	1,017	22	78.4	+ 1.9	99	29†	57	10†	27	4.56	+ 0.31	3.08	0	6	21	8	2	sw.	J. F. Sharp.
Lamonte	Pettis	863	26	79.9		102	16†	53	21	39	3.35	− 1.35	1.40	0	5	8	23	0	sw.	J. Ed. Hall.
Lebanon	Laclede	1,265	25	78.6	+ 2.0	98	28†	56	21	31	2.78	− 1.90	0.90	0	8	15	13	3	s.	M. W. Serl.
Lexington	Lafayette	813	32	80.6	+ 4.1	102	17	56	21	35	4.45	− 0.65	1.90	0	8	21	0	10	s.	J. W. Keithley.
Liberty	Clay	864	26	82.4	+ 5.1	104	29	58	10	35	3.86	− 0.88	1.80	0	6	18	12	1	sw.	W. C. Wilmott.
Lockwood	Dade	1,088	18	81.7		101	18	57	21	33	4.14	− 1.62	1.74	0	4	20	10	1	sw.	C. S. Crow.
Marshall	Saline	779	23	79.4	+ 2.6	101	29	57	22	37	3.57	− 0.86	1.38	0	6	27	4	0	sw.	Prof. W. H. Black.
Maryville	Nodaway	1,160	24	79.2	+ 3.5	105	16	57	10†	41	4.00	− 1.56	3.50	0	5	24	1	6	s.	J. R. Brink.
Mount Vernon	Lawrence	1,480	37	79.6	+ 1.9	99	7†	52	21†	40	5.49	+ 0.10	1.80	0	6	23	6	2	sw.	J. R. White & Son.
Nevada	Vernon	860	20								2.06	− 1.92	1.40	0	8	27	3	1	sw.	C. Jewell.
Oregon	Holt	1,113	59	80.6	+ 5.4	105	16	58	10	31	0.69	− 3.86	0.69	0	1	23	8	0	se.	Tom Curry.
Osceola	St. Clair	738	15								1.21	− 3.53	0.50	0	7	18[a]	4[a]	8[a]	sw.	W. E. Matthews.
Patto isburg	Daviess		4								2.85		1.62	0	5	23	0	8	sw.	Garrie Burton.
Rolla	Phelps	1,139	33	79.5	+ 2.7	102	18	56	23	35	3.91	− 0.23	0.63	0	14	16	6	9	s.	Prof. P. J. Wilkins.
St. Charles	St. Charles	614	36	80.3	+ 2.9	103	29	59	22†	31	2.44	− 1.10	0.59	0	7	15	14	2	s.	L. C. Saeger.
St. Joseph	Buchanan	967	42	81.6		104	15	61	21	31	1.61	− 2.37	1.44	0	4	19	9	3	s.	U. S. Weather Bureau.
St. Louis (1)	St. Louis City	567	43	80.8	+ 1.7	102	18	64	25	23	3.61	+ 0.18	2.12	0	8	12	14	5	s.	Do.
St. Louis (2)	do	578	2	80.7		101	18	64	21	25	4.54		2.78	0	8	17	11	3	s.	St. Louis University.
Sublett	Adair	1,000	34	79.2	+ 3.4	102	30	48	17	50	2.50	− 1.89	2.00	0	2	16[a]	13[a]	1[a]	sw.	Lewis Spriggs.
Tarkio	Atchison		2	78.8		108	16	58	19	39	1.54		0.84	0	3	24	6	1	s.	Prof. M. H. Rees.
Trenton	Grundy	812	19	78.8	+ 2.5	96	17†	58	10†	29	3.70	− 0.28	1.52	0	8	27	1	3	s.	W. H. Estes.
Unionville	Putnam	1,072	21	77.8	+ 1.0	102	17	50	21	40	0.03	− 4.35	0.03	0	1	14	9	8	s.	Geo. W. Davis.
Warrensburg	Johnson	883	34	81.9	+ 3.5	102	16†	59	21	34	2.93	− 1.31	1.19	0	5	21	9	1	sw.	A. F. Smithson.
Warrenton	Warren	865	24	80.2	+ 2.9	104	18	58	21†	33	3.87	− 0.14	0.94	0	9	12	10	9	s.	Prof. J. H. Frick.
Warsaw	Benton	700	10	83.5	+ 5.5	106	16†	55	22	45	1.41	− 3.16	1.00	0	8	16	15	0	sw.	J. R. Smith, M. D.
Wheatland	Hickory	920	21								0.20	− 3.96	0.10	0	3	24	7	0	s.	Mrs. S. A. Jackson.

[a], [b], [c], etc., indicate, respectively, 1, 2, 3, etc., days missing from the record.
** Temperature extremes are from observed readings of the dry bulb; means are computed from observed readings.
† Also on other dates.
‡ All temperature normals for Montana used in this table have been reduced to the 33-year period.
T. Precipitation is less than 0.01 inch rain or melted snow.

TABLE 2.—*Daily precipitation for July, 1913. District No. 6, Missouri Valley.*

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.
Wyoming.																																	
Arapahoe	Bighorn																						.15	.22	.05		T.						0.42
Basin	do		.11								.23						.17							.37	.11	.10	.87				.15		2.11
Big Creek Station	North Platte																																
Boyd	Cheyenne			.02	.02			.06		.07	.59	T.				.06	.49	.02				.02	.23	.08	.05	.32	.01			.33	T.		2.37
Burns	South Platte							.01	.02					T.	T.		.22	.56	.22				1.10	.30		.10		.25			.10		2.88
Casper	North Platte				T.						.07	.13			T.	.03		.03	.07			.03	T.	.13	.38		.69	.03			.39		1.98
Centennial	do									T.	T.			.03	.12		.25	.25	.35		.05	.15	.15	.15				T.		.12			1.62
Cheyenne	South Platte						.02	.04	T.		T.			.09	.09	.02	.01	.02	.01		.52	.51	.08	.01	T.	T.							1.42
Chugwater	North Platte																.26	.08	.34	.43				.72	.05		.07	.05					2.00
Clark	Yellowstone		.07	.04			T.				.06				T.							T.	.22		T.		.38	.05	T.	.43	.26		1.51
Cody	Bighorn		.18								.09												.17	.05	.03	.01	.25	.25		.09	.25		1.37
Crandall Creek	Yellowstone	T.	.13	.11	.07			.04			.45											.24	.14	.03	.14	.14	.77	.22	.05	.81	.73		4.07
Dome Lake	Tongue			.15							.10	.12					.17	.10		.24		.48	.68		.10					.30			2.44
Douglas	North Platte										.09	.23					T.		.23				T.	.43	T.		.60		T.		.15		1.73
Dubois	Bighorn		.08	.09			T.										.03				T.	.23	.09	.17	.27	T.	.06		.10	.07	.14		1.33
Eatons Branch	Tongue							.24			.27	.12					.11								1.10		.80			.30			2.94
Echeta	Powder			.64							.25	T.						1.10						.25				.30		.10			2.64
Elk Mountain	North Platte													.10	.12		.14	.21					.87	.32	.03			.06			.04		1.89
Encampment	do							T.			T.				.13	.15	.02	.50	.05				.30	1.90	.45	T.			T.				3.50
Ervay	Powder			T.														.04					.05	.53		T.	T.	.30			.49		1.41
Fort Laramie	North Platte											T.	T.					.06	.82	1.46				.10	.51		T.						2.95
Foxpark	do									T.	T.			T.			.40	.15	.28				.10	.18	.22								1.33
Germania	Bighorn		.07			.05		.02			.06	.05					.06			.02			.06	.09	.01	T.	.46	T.	.03		.03		1.01
Gillette	Powder																																
Horse Creek	Bighorn		.12				.31				.12						T.					.09	.82	.42	1.01	.07	.11	.04	.03	.25	.07		3.46
Hunters Station	Powder							.73		.05	.10	.26						.09	.36		.09	.08	.46	.67	.11		.33			.10	.24		3.67
Hyattville	Bighorn																							12									0.12
Jireh	Niobrara							T.	.22		T.	.41						.37	.40					.42	.06	.01	.06				.04		1.99
Kinnear	Bighorn																	.06		.13			.22	.98	.23		.31			.06			1.99
Kirtley	Niobrara								.14		.04	.47						.25	.29	.18				.17	.10		.38						2.02
Kirwin	Bighorn		.15	.10	.05		.15				T.	.40								.53	.10	.15	.40	.50	.50	.02	.30	.05	.05	.10	.40		3.95
Knowles	Cheyenne			.62							.23							.33				T.	.42	T.		.51	.04				.49		2.64
Lagrange	North Platte								.17									1.66	.55					.77	.05	.03	.30	.16			.04		3.73
Lander	Bighorn			.01			T.										T.	T.	T.	T.			.61	.08	.13	.01	.12	T.			.07		1.03
Laramie	North Platte								.13	T.					.02	.05	.13	.15					1.87					.05					2.40
Leo	do																																
Lolabama Ranch	Yellowstone	20							.01													.20	.30	.10	.20	.10	.20	.40	.30	.60			2.61
Lovell	Bighorn																																
Lusk	Niobrara								.05		.35						.95	.26	.55														2.16
Manville	do								.15			.28						.65	.44					.33	.06						.07		1.98
Moorcroft	Cheyenne								.04		T.	.25				.01						T.	.05	.10	T.					.20	.30		0.95
Moore	North Platte			T.				T.		T.	T.			.01	.24	T.	.09	1.44	1.30	.30			.05	1.73	.02			T.					5.18
Newcastle	Cheyenne				T.						.15	.57						.16	.06				T.	.11	.17						.12		1.34
Pathfinder	North Platte				.05							.03				.01				.01			T.	.09	.03			.07	T.		.20		0.49
Pinebluff	South Platte	.08						T.	.15	.02		T.		T.	.06	T.	.72	.56	.18	T.	T.	1.21	.42	.08		.28						.16	3.92
Pine Ridge	Cheyenne	.01	T.									.10					.46	.10						.23		.03				.37			1.30
Powell	Bighorn	.04	.05					.02			.01	.10											.12	.12		.05	.03	.18	.06		.25		1.03
Rawlins	North Platte				.14			T.		T.	.03			.03	T.		.32	T.			.03	.18	.54	.12	.25	T.			.02		.22		1.88
Rock River	do							T.		T.	T.			T.	.04	T.	.06	T.				.40	.15	T.		.03	.04			T.			0.72
Rockypoint	Powder	.08		.10	T.						.08	.06						.23	.09				.12	T.			.15				.16		1.07
Saratoga	North Platte													.03	.07			.23			.05		.43	.65									1.46
Seven-Mile Creek	do									.01				.07	.20			.32					.27	.76	.05		.03	.04					1.75
Sheridan	Tongue	.01		T.	.02			.01			.17	T.					.11	.08	.06			T.	.20	.14	T.	T.	.62	T.		.25	.03		1.70
Shoshone Dam	Bighorn		T.	T.							T.									T.		.04	.38	T.	.15	T.	.38	.04	T.	.13			1.12
South Pass City	North Platte		T.	.02	.23		T.										.03						.05	.21	.10	T.	T.		.15	.18	.29		1.26
Sundance	Cheyenne											.30				.05	.10							.20							.30		0.95
Thermopolis	Bighorn				.12																		.11	.41	.26	.01		.07			.21		1.19
Ulm	Tongue	.01			.02						.19	.03						.41					.05	.42			.47				.20		1.80
Upton	Cheyenne				T.				.21		T.	.24			T.			T.				T.			.25	.20				T.	.15		1.05
Verona	Tongue	.08									.35						.10	.50				.06	.25			.24	.10			.15			1.83
Wheatland	North Platte							T.				T.			T.		T.	T.	.65					.89				.20					1.74
Wiants Ranch	do										T.	.05		.05	.22	.04	.02	.50	.01		.08		.56	.45	.14	T.							2.12
Woodrock	Tongue	.08	.05	.12	.12		T.	T.			.20	.12					.25	.06	.05		.50	.07	.35	.35	.04	T.	.85	.18		.04	.36		3.73
Worland	Bighorn	.01	T.		T.						T.	.16											.07	.28	.04		.10		.07	T.	.05		0.78
Wyncote	North Platte										T.	T.				.04		2.62		.36				.35			.10						3.47
Yellowstone Park	Yellowstone	.08	.27	.09	.02				T.	.05	.20											.24	.02	.22	.03	.36	.07	.29	1.17	.03			3.14
Fountain	Madison																																
Gallatin	Gallatin																																
Grand Canyon	Yellowstone										.26											.27	.60	T.	.56	.52	.30	.03	.14	1.35	.72		4.75
Lake Yellowstone	do	.06	.09	.04							.90											.09	.90		.80	.80	.40	.10		1.10	1.30		6.58
Norris	Madison	.01	.30	.20						.01	.01						.01			.30		.40	.30		.40					.90	.60		3.44
Riverside	do	.03	.34	.05																		.52	.46		.59	.34	.15	.17	.18	1.19			4.02
Soda Butte	Yellowstone		.68	.07	T.					.01	.20									T.		.23	.08		.02	1.30	.20	.30	T.	1.30	.23		4.62
Sylvan Pass	Bighorn	.13	.06	.10	.27						.67	.08						.05			.05		.76	.10	1.01	.65	.31	.20	.05	.43	.70		5.62
Thumb	Yellowstone	.24	.11	.02							.07											T.	.67	*	1.54	.52	.56		.07	.41	.72		4.93
Tower Falls	do	T.	.50	.10	.10		T.				.21											.10	.16		.60		.50	.10	.15	.50	.40		3.42
Up'r Geyser Basin	Madison				.19				.12	.07	.34											.30	.42		1.50	.50	.23		.20	1.05			4.92
Montana.																																	
Absarokee	Yellowstone																					.02	.30	.38			.88	.92		.23	.02		2.75
Adel	Missouri		.18	.06	.06	.03					T.			T.								.15	.04	.10		.35	.52			.28	T.		1.77
Agricultural College	Gallatin	.03	.28	.02	.16						.17	T.										.06	.25			.11	.52		.03	.50	.04		2.17
Augusta	Missouri	T.		.26																		T.	T.		T.	T.	2.86						3.12
Babb	St. Marys											.60				.01							.04			.50	.80			.50			2.45
Bald Butte	Missouri	.15	.20	.34	.22		.01			.01	.05											.13					.43			.10			1.64
Bigtimber	Yellowstone	.06	.14					.08			.11	.12											.80				.50			.75			2.56
Billings	do	.01	.09	.02				T.	.01	.01	.05												.18			.06	.40	.11		.30	.03		1.27
Blackleaf	Missouri	.25		.04							T.			T.													.38		.11				0.78
Boulder Nursery	Jefferson	.02	.77	T.		.11		T.			T.		T.									.11	.12	.08	.13		.64			.10			2.08
Bowen	do	.33	.10	.17																		.38	.03			.34			.04	.04			1.43
Box Elder	Milk		.14	.13	.65		.14	.03		.33	.21	.19	.02	.04								.03	.01			T.	.28						2.20
Bridger	Yellowstone	.02						.01			.31												T.			T.	.29			.38	.17		1.18
Broadview	do		.11						.18	.07													.78				.13			.65			1.92
Browning	Marias											.20															.85						1.05
Busby	Yellowstone		.08		.02				.19		.16							.05					.12				.31			.02	.09		1.04
Busteed	do	.02	.13	.02			T.	T.	.01		.14											T.	.62			.19	.30			.61			2.04
Canyon Ferry	Missouri	.20	.40	.02	.12						.08														T.	.15				.39			1.36
Cascade	do		.23	.06	.25		T.			.01	.05	T.		.15								.03	.02	.35		T.	.42			.04	.06		1.67
Chester	Marias			.40						.03	.20		.12																				0.75
Chinook	Milk	T.	.11		.16						.18			T.									.50	T.									0.95
Clearcreek	do																																

TABLE 2.—*Daily precipitation for July, 1913. District No. 6*—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.
Montana—Contd.																																	
Clydepark	Yellowstone	.01	.28	.06			.07	T.		T.	.30												.29			T.	.25		.04	.61	.04		1.95
Conrad	Marias	T.	.02	T.	.28		T.	T.			T.			.06								T.	T.			T.	.05						0.41
Copper	Missouri	.21	.70	.18							.32			T.								T.	.25	T.				T.	T.	.80			2.46
Crow Agency	Big Horn	.04	.03	T.							.14												.04				.30	T.		.15	.17		0.87
Culbertson	Missouri	.01	.02		1.10						.28	.11				.15					.05									.15			1.87
Cut Bank	Marias	.30			.70						T.	T.											T.			2.33	1.10		.06				4.49
Denton	Missouri	.05	.31	.16	.08		.01	T.		T.	.25	.02		.07								T.				.02	.45		T.	T.	.01		1.43
Dillon	Jefferson	.15	.21	.25		T.															.02	.09	.02		.08	.29	.32		T.	.18			1.61
Dry Wolf Camp	Missouri																																
Dunkirk	Marias		.10		.04						.70	.15		.08									.35			T.							1.42
Ekalaka	L. Missouri	.37			.20				.16		.03	.21					.05	1.27	.57							.17					.10	.10	3.23
Fallon	Yellowstone	.05			.42						.56					.02		.02								T.				T.			1.07
Findon	Missouri		.35	.28	.19		T.	.02		.04	.12	.01										.01	.07	.09		.07	.03		.01	.43	.09		1.81
Flathead Creek	Yellowstone		.20	.12	.28						.42											.20					.02		.22	1.20			2.66
Flatwillow	Missouri	.15	.17	.01	.02					T.	.19												.41			.02	.03		T.	.28	.02		1.30
Forsyth	Yellowstone							.56			.40																			.30	.20		1.46
Fort Benton	Missouri																																
Fort Shaw	do		.14	.08	.08			.06		*	.07	T.		.13								T.				T.	1.10				.40		2.06
Foster	Big Horn	.04	T.	.15							.02	T.											T.		T.		T.			.28	.35		0.84
Garnelll	Missouri	.25	.85	.25	1.15					.10	.10	.15	.10	.15				.15				.15							.35	.56	.30		4.61
Geyser	do	.33	.44	.05	.19			.06		.29	.10	.05	.02	.13										.02			.41			.08	.22		2.39
Glasgow ‖	Milk	.34		.14						.06	.10			.01		.10						.22				.04			T.	.07			1.08
Glendive	Yellowstone				.35												.58	T.	T.							T.					T.		0.93
Goldbutte	Marias	.06			.08						.19	.02		.10										.51			.13						1.09
Graham	Powder	.26		.11	.30				.04									.90					.08				.05				.32		2.06
Great Falls	Missouri	.01	.08	.07	.27		T.	.03			.03	.08		.27								T.	T.		T.	.13	.78		T.	.01	.31		2.07
Harlowton	do		.46	.10																			.25				.05			.55			1.41
Havre	Milk	.02	.16	.32	.19					.15	.22	.15		.05									T.			.02							1.28
Hebgen Dam	Madison	.09	.02	.15						.35	T.											.75	.11		.58	.20	.41		.62	1.25			4.53
Helena	Missouri	.29	.01	.31			.08			.01	.04											.02			T.	.42	.12		.08	.09			1.47
Highwood	do		.05	.05	.05		.04				.25	.30	.10	.14								.01	.03			.15	1.20			.10	.10		2.57
Huntley	Yellowstone	.04	.18	.03				.05			.08												.07				.12			.54			1.11
Jordan	Missouri																																
Knobles Ranch	Milk	1.00	.12		.02						.21	.01	.08	T.									.44							.17			2.05
Lewistown ‖	Missouri	.12	.28	.32							.09	.07		T.									.02	.17			.19				.40		1.66
Lonetree	do			.21							.30	.04		.35													.65			.06			1.61
Lothair	Marias				.40					T.	.60			.10									.25			T.							1.35
Lytle	Missouri		.18	.04	.19					T.	T.			.16								T.	.17			T.	.05	.07					0.86
Malta	Milk		.14		.15						.11	.05		.07									.15										0.67
Medicine Lake	Missouri				.90						.10																						1.00
Melstone	do	.04	.15		.04						.22							.07					1.28							.13	.20		2.13
Mildred	Yellowstone	.09	T.		.48			.05			.33											T.	T.							T.	.05		1.00
Miles City	do	.04		T.	.26			.10	T.	.03	.03						.08							T.	T.	.04	T.			.09	.04		0.71
Norris	Madison	.04	.05	.07	.13																	.07	.15			.15	1.01		.17	.33			2.17
Olsen Creek	Jefferson																																
Pinegrove	Missouri	.05	.55	.13	.25					.15	.05	.10					.15													.43			1.86
Pipestone Pass	Jefferson	.63	.02	.04			.07				T.											.16	.26			.49		.12		.32			2.11
Plevna	Yellowstone	.17			.35						.30	T.						.77									.13				.04		1.76
Poplar	Missouri	.21	T.		1.30						.10	T.																		T.			1.61
Red Lodge	Yellowstone		.12	.11							.11						T.						.32				.89	.07		.36	.21		2.19
Renova	Jefferson	.16	.45	.05	.17			.04			.04											.06	.05			.13	.71		.03	.63			2.52
Ryegate	Missouri	.30			.13							.05										.22								.95			1.65
Savage	Yellowstone				.71						.37	T.							.42				.06								.01		1.57
Shelby	Marias	.06			.13									.05								.02	.05			.15							0.46
Sindey	Yellowstone	T.	T.		.58						.28						T.		T.				.48							T.			1.34
Springbrook	Missouri	T.	T.	T.	.54						.33	.02				.01							.02			T.				.01			0.93
Simlif Farm	Milk		.17		.51						.18	.23											.49										1.58
Sun River Canyon	Missouri		T.	.21			T.																						.49		.11		0.81
Three Forks	Madison	.10	.40	.03	.26			.08		.10	.17											.03	.03				.15		.02	1.05			2.42
Utica	Missouri	.19	.60	.10	.26							.10															.28			.10	.33		2.14
Valentine	do	.30	.45		.25					.06	.22																3.51			.10			4.98
Valier	Marias	.16	.02	.35								.01		.02		T.						T.	.03	T.		T.	.22			T.			0.81
Wall Rock Mount'n.	Missouri	.03	.87	T.	.45					.10	T.											.02	.30	.24			T.		T.	.40			2.56
Wheaton	do	.09	.40	.15																						T.	.11			.17	.48		1.40
Whites Ranch	Yellowstone																																
White Sulphur Spgs	Missouri	.16	.66	.03	.10			.01		.02	.10		.01									T.	T.	.33		.04				.20			1.81
Wilder	do	T.	.40	T.	.21	T.					.14			T.	.03								.02			.09	.32			.21			1.42
Wolf Creek	do		.17	.13	.09		.21							.01								.34	.01			T.	.67		T.	.03			1.66
North Dakota.																																	
Aplin	Knife		.30	.24							.53	.15	.02		T.			.38	.10				.05										1.77
Arnegard	Missouri																																
Ashley	do		1.32		.32						.42	T.					.35		.97										.49				3.87
Beach	Lt. Missouri		.02		.39				.07		.62	.04				T.	.07	.02	.38							.05							1.66
Belfield	Heart				.38						.58	.13						.08								.38							1.55
Berthold Agency	Missouri		.23		.33						.36	.01			.04	.10	.28	.06					T.							T.			1.41
Bismarck	do		.16		.81						.23	.03				T.		1.39					.06						.04				2.72
Buford	do		.05		.90						.22	.20																					1.37
Carson	Heart				.44						.26	.04			.05		.28	.60	T.				T.			.11	T.						1.78
Dickinson	do		.05		.33				.02		.27	.15				.06		.21	.18								T.		T.	.09			1.36
Edgeley	James		.58		.61						.49	.14			.14		.01												.49				2.46
Epping	Missouri				1.30	.10		T.			.28	.26					.10														.03		2.07
Fullerton	James		.84		.40						.60	.06			.25		.08		T.										.24	.06			2.53
Garrison	Missouri		.20		.14						.56	.07			.08	.10	.58					T.											1.73
Haley	Grand	.15	T.		.22			.10			.65	.20				.45	.10	.70	.40							.15	.25			T.			3.37
Hettinger	do																																
Howard (near)	Missouri																																
Jamestown	James	.08		.18	.04	.78					.25	1.00	.08		.08		.43	.08	.65	.04			.20						.15				4.04
Lamoine	Missouri		.38		.31						.81	.11			T.	T.	1.01	.41	T.														3.03
McHenry (near)	James		.21		.44	.04					.49	.11		.02	.25		.22	.14				.48						.03					2.43
Marmarth (near)	Lt. Missouri	.02	T.	.04	.15				.03		.15	.05						.49	.01			T.				.27	T.			T.	.06		1.27
Marstonmoor	James	T.	.18	T.	.46						.17	1.05			.09		1.09	.47	T.				T.				T.		.39				3.90
Medora	Lt. Missouri																																
Melville	James		.18		.30						.72	T.	T.		.72		2.00	.24											T.				4.16
Mott	Cannon Ball		.09	.22	.04			.05			.28	.05				.24	.57										T.				.03		1.50
Napoleon	Missouri			.03	.02	.56						.20	.03				.05	.80		.48										.14			2.31
New England	Cannon Ball																																
New Rockford	James				.42	.46					.20	.04	.03		.25		.24	.48				.36								T.			2.48
New Salem	Heart		.18		.31							.26	.17				.43	.98								T.				T.	T.		2.33
Orange	Cannon Ball				.58				.13		.18	T.																					0.89

TABLE 2.—*Daily precipitation for July, 1913. District No. 6*—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	
***North Dakota*—Con.**																																	
Ranger	Lt. Missouri				.38						.30	T.				.15	.40		.28							.10			T.		T.		1.61
Ronda	Knife																																
Steele	Missouri	T.	.02		1.06						.28	.01			.19		1.03	1.85	.26										.26		T.		4.96
Turtle Lake	do		.05		.07						.68	.05			.39	.02	.59	.20	.07				.02										2.14
Washburn	do		.10		.22						.55	.05			.07		1.50	.35															2.84
Williston	do		T.		1.19			.01			.59	.11				.53														T.			2.43
South Dakota.																																	
Aberdeen ‖	James	.10		.15	T.	.45						.72			T.		1.35	1.25	T.	.15			T.	.02			T.		.10	T.	.23		4.52
Academy	Missouri	.51	.19	.06						.63	.35				.32	T.	.95	.57	T.				.09			.25							3.92
Alexandria	James			.07							.36	1.18						.29				.05				.49							2.44
Ardmore	Cheyenne	T.									.03	.09						.10	.21	.2		.08		.02	T.	.21		.77	T.			.02	1.78
Armour	Missouri	.98	.15							.30	1.28							.50					.04	.10									3.35
Bellefourche	Cheyenne															.21						.06	.08								.28		0.63
Blunt	Missouri		.11								.37					1.01	T.	2.76					.09			.67			.06				5.07
Britton	James		.05	.12	.58						.49	.23	.05		.46		.50	.06	T.				.10							.06			2.70
Brookings	Big Sioux	.11		.28	.80							.87				T.	.15	.23					.02			.53							2.99
Bryant	do		.32	.20	.45			.16			.50	.62				.02	.90	.61	T.	.08	.10		.05			T.	T.						4.01
Camp Crook	Lt. Missouri	.05			.07				.08		.10	T.				.04		.14								.15	T.			T.	.04		0.67
Canton	Big Sioux		.80									1.46					.08	.05					.47			.51						.24	3.61
Castlewood	do	.03	.01	.14	.91	T.					.04	.84	T.			T.	1.51	.44	T.				.17	T.		.09	.30	T.	T.				4.48
Centerville	Missouri		T.								.07	1.03				T.	T.	.15					.64		.12				.04		T.	.21	2.26
Clark	James	T.	T.	.21	.02				T.		.48	.17	T.			T.	1.27	.36	T.	.06			.13			.06	.92		T.				3.68
Cottonwood	Missouri										.18	.02					T.		.26				.29		T.			.04			.02		0.81
Custer	Cheyenne			.25					.50		.66							.12	.15				.05	.05	.06			.28			.17		2.29
Daviston	Owl																																
Deadwood	Cheyenne			T.													T.						.30								.15		0.45
Deerfield	do	T.		T.	.13				.03		.02	.35				.27		.17	.16		.03		.02	T.	.12	T.					.10		1.40
De Smet	James	.18		1.45							.20	.16	.72	.49		T.	1.09	.50		.21						.53							5.53
Dowling	Cheyenne				.05						.25	.05							.15				.25				.30						1.05
Dumont	do			.03							.07	.25											.16			.09					.11		0.71
Eagle Butte	Grand				.33					.04		T.					.12	.20					.28			.45		.14			T.		1.56
Eales	Missouri	.02	.01		.21				T.		.11	.47					.23	.43	.01				T.				T.		.13	T.	T.		1.62
Elk Mountain	Cheyenne				.18				.85		.33	.23						.43	.22				.06	.13	.07			.05			.12		2.67
Ellingson	Grand	.06		.05	.18				.11		.37	.02				.17		.52	.34				.02			T.	T.				T.		1.84
Englewood	Cheyenne																																
Eureka	Missouri		.13		.19						.15	.90	.03				.06	.26	.02				.04						.38				2.16
Fairfax	do										.33	1.17						.40					.05	.15				T.	.10				2.20
Faith	Cheyenne	.02		T.	.13				T.		.05						.04	1.24	.10		T.	T.				.10					.02		1.70
Faulkton	James	.07	.33	.03	.09				.20		.27	.05			.10		.63	.45					T.				.03		.05	.23			2.53
Flandreau	Big Sioux	.52	.25	.22								1.30	.12				T.	.30					.10			.60			.80				4.21
Forestburg	James	.04	.30	.32					.06		.88	.37					.51	.32					.27			.89							3.96
Fort Meade	Cheyenne																							.25									0.25
Frederick	James			.10							.69				.28				.25					.17						.38			1.87
Goldfield	Cheyenne				.25						.30							.15	1.12				.17								.28		2.27
Greenmont	do										.10												.44								.20		0.74
Greenwood	Missouri						.03		.03		.29	.20						.85					T.					.44	.10				1.94
Hardingrove	Cheyenne				.18					.05							T.	T.	.08					.15			.40						0.86
Hardy Ranger Sta.	do																																
Harveys Ranch	do											.67	.18		.03			T.			.10			.21	.10					T.	.50		1.79
Hermosa	do	T.									.68				T.				.34				.02	T.	.06	.01	.43				.12		1.66
Highmore	Missouri		T.								.21	.04					.68	.72					.07			.01				.06			1.79
Hopewell	Cheyenne		T.		T.						.10	.04					.02	.79					.22				.26						1.43
Hot Springs	do				1.50					.10	.02	.01					.20	T.	.30				.10	.02	.01			.03			T.		2.29
Howard	Missouri			.26	2.00				T.		.12	.98			T.	T.	.22	.26	.02				.25			.96			.10		T.		5.17
Howell	James	.01		.07	T.				.30		.52	.03				T.	1.35	.41					T.		T.	T.	.05		.02				2.76
Huron	do	.03	.15	.06					.08		1.31	.22					.87	.43		.02			.22			.43			T.				3.82
Ipswich	do	.02	.50	.01	.11						.54	.40	.04				.18	1.60	T.				T.				.04		.22	.24	T.		3.90
Kadoka	White										.26						.15	.05	.04				.08			.03		.03			T.		0.63
Kennebec	Missouri		.09								1.05						.33	.23					.21			.50	T.						2.41
Kimball	do	.08	.03								1.20	.11					.86	.70					.16			.67							3.81
La Delle	James	T.	T.	.08	.12				.10		.65	.25					1.08	1.48	.52				.11		T.	.03	T.		T.	T.	T.		4.42
Lead	Cheyenne										.09	.16						.02					.09								.25		0.61
Lemmon	Grand																																
Marion	Missouri	.38		T.					T.			1.28				T.	T.	.21						T.	T.		.56	.12	.06				2.61
Marston	do		T.		T.						.42	T.				T.	.46	1.76					.07			T.	.26		.05		T.		3.02
Meadow	Grand	.01		T.	.17						.17	T.				.36		.04	.17			T.							T.		T.		0.92
Mellette	James	T.	.70	.13	T.				T.		.74	.09				T.	.53	.39	1.27	.05			T.			T.	.05		.08	.28			4.31
Menno	do	.05					.07		T.		1.12					T.	.20						T.			.22		.43					2.09
Milbank ‖	Minnesota		T.	T.	.04	.50						.18	.39				1.20	.02	.50					.25		T.	T.	T.		.08			3.11
Mitchell ‖	James	.30	.22	.08					.08			1.35					.10	.27	.05				.12			.55							3.12
Mobridge	Missouri		T.		.10	T.					.07						.85		.10														1.12
Murdo	White										.05						2.00								.50								2.55
Oelrichs	Cheyenne							.15	.10		.50			T.		T.	.10		.10						.25		.33						1.53
Onaka	James	T.	.13	.13	.05			.33			.41					.21		1.32								.08				.81			3.47
Onida	Missouri	T.	.15		.27				.10		.58	.34					.04	.42					T.				.21		.08				2.19
Orman	Cheyenne				.13						.06						.33						.08								.15		0.75
Ottumwa	Missouri							.65			.13	.12					T.						.42										1.32
Parkston	James	.47				.03					1.30						.28								.24								2.32
Pearl Creek	do	.18			1.12						.41	1.19					1.19	.32		.02			.63	.07		.55							5.68
Pierre	Missouri		T.						T.		.22					1.00	.03	.14	T.				.31			.42			T.		T.		2.12
Pine Ridge	White						.45		.23	.04	.25	.18		T.		.02	.05	.22						T.	.03		T.	.42	.08				1.97
Plankinton	James	.50	T.	.27					.20		1.27	T.					.46	.77					.17			.58			.23		T.		4.45
Pollock ‖	Missouri			.02	.03	.47				T.		.68	.04				.29	.30	.08				T.	T.					.08	.07			2.06
Rapid City	Cheyenne	.05			.09						.13	T.						T.	T.			T.	.07		T.	.06	.01				.21		0.62
Redfield ‖	James	.03		.14					.08			.72	.13				1.76	.05	.27	.20							.04		T.	.03			3.45
Rochford	Cheyenne			.07					T.		.24	T.						.03	.57		T.		.06	.10	.10	.07					.01		1.25
Rosebud	White		T.								.07	1.20				.10		1.49	.35	T.			.03		T.	.06			.02	.02		.01	3.35
Roslyn	Big Sioux		.16	.34							.55	.66	.08		.01		1.28	.18	T.				.05				.07						3.38
Selby	Missouri		.15		.12						.43	.08					.42													.12			1.32
Sioux Falls ‖	Big Sioux	.03		T.	.02	.01						1.08	.24			T.	.12	.17	.13	T.			.05	.12		.50	.10	.16		.25	.17	.03	3.18
Sisseton ‖	Minnesota			.30	.05		.30					.22	.14	.12	.02	1.02	.06					.20											2.43
Sorum	Owl	.80	T.	.05	.07						.28	T.				.20				.42		T.	.40			.38				.18			2.78
Spearfish	Cheyenne	T.		T.							T.	T.				.04															.44		0.48
Stephan	Missouri		.10		T.				T.		.56	.07				1.26	T.	.67					.23			.45	T.						3.34
Tama	Cheyenne				.40						.20								1.20												.20		2.00
Timber Lake	Grand	T.		T.	.23				T.		.08	T.	T.				.01	.27					T.			T.			.12		T.		0.71
Tyndall	Missouri	T.					.03	.03			.19	1.26				.05	.05	.34					.01			.03		.16	.02				2.17
Vale	Cheyenne	T.									.04												.04			T.					.11		0.19
Vermillion	Missouri						.04	T.				.85						.28					T.	.10		.05							1.32
Waters Ranch	Cheyenne															.25						.12	.12			.15					.37		1.01

TABLE 2.—*Daily precipitation for July, 1913. District No. 6*—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	
South Dakota—Con.																																	
Watertown ‖	Big Sioux			T.	.30	.05						.25	.50			T.	1.00	.10	.63					.20			T.	.04		.70			3.77
Wentworth	do	.12	.32	.76	.11							1.20			T.	.02	.12	.29					.15			.85			1.42				5.36
White Lake	Missouri											1.46				.40	.43		.08				.12										2.49
Winner	White	.15	.07				T.				1.12		*	.11		.73	.40	T.					.15		.16			.03					2.92
Wood	do	.10	.18					.30			2.11	.08					.13	.40					.19			.35							3.84
Yankton	Missouri	T.		T.			.15				.22	.75				.10	T.	.30					.10			.04		.07	T.		.09		1.82
Minnesota.																																	
Pipestone	Big Sioux	.44			.04							1.75	.04				.19	.21					.12			.54		.03	1.16	.01	.02		4.55
Colorado.																																	
Arriba	Republican					.04			T.		.08				T.	T.		.60	.48	1.22			.10	.27		.25						T.	3.04
Auldhurst	South Platte		T.			T.			.12	.21					T.	.17	.08	.08	.84	.17	.01		T.	.35	.02	.03	T.				T.		2.08
Bennett (near)	do									.51						.06	.49		.27	T.			T.	.21	.27		T.	.34					2.15
Boulder	do																																
Burlington	Republican							.25	.10								.02	.08	.18	.04				.01	.04			.07					0.79
Cassells	South Platte						T.		T.	.12						.75	.09	.40	.56	.31	.15	.09	T.	T.			T.						2.47
Castle Rock	do					T.	.04		T.	T.					T.	.04	.28	.07	.77	.37				.68	.44	.06							2.75
Cheesman	do						T.			.25						.08	.67	.17	.22	.14	T.		T.	.30									1.83
Cheyenne Wells	Smoky Hill									.10	.45									.28						.05		.11					0.99
Corona ‖	South Platte																																
Denver	do						.01		T.	T.					.01	T.	.08	.09	.51	T.	.02		.03	.89	.05		.01	.06					1.76
Edgewater	do					.18	T.								T.	.07	.30	.13	.98		.05		.10	.38	.33			.02					2.54
Estes Pk. Fish Hatch	do						T.	.08	.45				T.	T.	.19	.18	.10	T.	.35	.40		T.	.15	.70	.15	.05	T.	.07			.05		2.92
Fort Collins	do							T.	.10					.01	.09	.09	.03	T.	.80	.08			.03	1.19	.06	.04		.11			T.		2.63
Fort Lupton	do														.07	.14	.04	.18	.43	1.13			T.	1.18	.02		.03	.08					3.30
Fort Morgan	do														.07	.66		.85					.40	.38			3.25						5.61
Frances	do							.07	.20	.53				T.	.12	.25	.19	1.01	.42	.38	.35	.15	.05	.97	.16	T.	.02	.01					4.88
Frys Ranch	do							T.		.18					.36	.17	.25	.12	.38	.28	.15		.63	.60	.09			.02					3.23
Georgetown ‖	do							.04	.24	.32	.03				.35	.57	.64	.46	.29	T.	.50	.61	.14	.34		T.	T.	.02	T.				4.55
Greeley	do	.48							T.						.17	.11	.04		.18	.16				.84				T.		T.			2.03
Grover (near)	do							.12	T.							.07	T.	.05	.02	.23			1.51	.02	.75	T.		T.					2.77
Hartsel	do					.21			.18	.13					.10	.18	.50	.15	.20	.06	.05	.29	.15	.85									3.05
Hawthorne	do						T.		T.							.43	.17	.02	.36	.09	.14		.14	1.04	.02	T.	.11	.07	T.				2.59
Holyoke (near)	Republican	1.20	T.						T.						T.			.67	.45		.20			T.	T.			1.03			.03		3.58
Idaho Springs	South Platte						T.	T.	.07	.04	T.				.10	.79	.22	.17	.43	.15	.13	.10	T.	.38	.46			T.		.05			3.09
Julesburg	do																																
Kersey	do																																
Laporte	do									.10						.17	.09		.35	.07			.05	1.35	.27								2.45
Le Roy (near)	Republican	1.23					T.									.72	.06	.57		.05				T.	.02			.30			.01		2.96
Longmont ‖	South Platte								.05						.25	.05	.12		.54	.01			.84	.36	.01	.01		.04					2.28
Longs Peak (near)	do								.15	.08					.48	.25	.15	.05	.55	.20	.08			.55	.15	.05		.18					2.92
Merino	do														T.	1.57	.08	.05			T.			.18				.40	.05				2.33
Moraine	do																																
Platte Canyon	do																																
St. Cloud	do							.27						T.	.22	.07	.20	.18	.19	.25			.98	.30	T.			T.					2.66
Sedgwick	do						1.00					T.					.10	.60	.12	T.					.12			.65					2.59
Silver Lake	do																																
Spicer (near)	North Platte							.03	.23					T.		T.		.12	.38	.18	.09	.34		.35									1.72
Sterling	South Platte														T.	.19	.15	T.						.02	.05			.15	.03				0.59
Waterdale	do																																
Wray	Republican																	.78					.51	.06									1.35
Yuma	do		.08						.10	.05					T.	T.		.68					.02	.07	.20	T.		.10					1.30
Nebraska.																																	
Ainsworth	Niobrara	T.	T.						1.45	.16	.16				T.	T.	.55	.92				T.	T.	T.	T.		T.	.09	.31	T.		T.	3.64
Albion	Loup										.29	.42							.46				.01					.05	.56				1.79
Alliance	North Platte	.40					T.		T.		.80			T.	T.	.75		1.50	.25		T.		T.				T.	1.95			T.		5.65
Alma	Republican																		.04				.20	T.	T.			.07			.02		0.33
Arcadia	Loup			.46			.34				.11								.75			.11	.17	T.	T.			.46					2.40
Arden	do			T.			.02				.26				.06		T.	.20					.27		.04		.06	.52					1.43
Ashland	Platte	.09	.45				T.	1.94	T.			.13					T.		.04				.04	.25	T.		.07	.16	.15			.13	3.45
Ashton	Loup							.51				.22							.78					.07	T.				.43				2.01
Atkinson	Elkhorn	T.		.03				.05				1.30						1.10					T.						.60				3.08
Auburn	Missouri	.04						.03	.15			T.	.01							.02				T.		.01			.56				0.82
Aurora	Blue	.38			.12			.31				.18							.88				.06							.72		.23	2.88
Beatrice	do							.30				.02												.07				.05	.15			.03	0.62
Beaver City	Republican	T.								1.00	.08	.17					T.	.12	.19			T.	T.		T.				.15	.09			1.80
Bellevue	Missouri						.12	.50				T.							T.					.12				.21	.17				1.12
Benkelman	Republican																																
Bertrand	do											.18					.16	.61					.20				.19	.10			.09		1.53
Blair	Missouri					T.	.28	.50				.26					T.		.03				.12	.21		T.	T.		.50			.18	2.08
Blake	Loup			.11	.64			.11		.12	.13	.35				.17		.16	.21								T.		.25				2.25
Bloomfield	Missouri	T.					.02			.10	.23	1.08				T.		.34					.32					.05	.22		.15		2.51
Bradshaw	Blue					T.		.55				.14							.34				.05			T.		.03	1.10			.01	2.22
Brewster	Loup	.23		.17				.25	.02		.06	.23				.13		.41	.08			.01		T.	T.	.02			.20				1.81
Bridgeport	North Platte	.25						.10	T.		T.				T.	.10	T.	.70	.70	.41				T.	.20	.13	T.		.60		.08		3.27
Broken Bow	Loup						.70		.02		.09				T.		T.	.70	.05				.21	T.				.34			T.		2.11
Bruning	Blue	T.				.01													T.					.10	T.				.33			.09	0.53
Burge	Niobrara											1.35		.23			.50		1.00														3.08
Burwell	Loup			.66			.09		.02		.10	.34				.20			.34				.35					.31					2.41
Butte	Niobrara						T.				.25	.90					T.	.77					T.	T.	T.			.12	.09				2.13
Cairo	Platte							.81				.29							.52				.25						.45			.03	2.35
Callaway	Loup	.05					.56					.36					T.	T.	.71						T.		T.						1.68
Cambridge	Republican	.03									T.	1.09				T.	.16		.13			T.	T.	T.	T.	T.	1.10	.10	.05				2.66
Columbus	Loup					.11		.46				.16								.16				.11				.08	1.22			.20	2.50
Crete	Blue							.19	T.			.09							T.				.05					T.	.45	T.		.16	0.94
Culbertson	Republican	.14															T.	.54	.90									T.	T.			.02	1.60
Curly	North Platte							T.	.24			.11		T.		.18	T.	.46	.35					.15			.63	.23					2.35
Curtis	Republican	.24		.13				T.	.18		T.	2.56				T.		.17	1.98				T.	T.	.33	T.	.13		.57			.04	6.33
Dalton	North Platte									.51								1.00	2.60	.48					.20	.05			.70				5.54
David City	Blue				T.	.70	.25	.80				.10					.15		.90				.04	.03	T.			T.	1.12			.25	4.34
Du Bois	Missouri							.13	T.			T.												T.				T.					0.13
Dumas	Loup			.18							.28	.40				.08		.26	.17								.05		.35				1.77
Elm Creek	Platte										.16								.60									.50					1.26
Elsie	Republican	.27	.31					.02	.05	.12							.05	.53	1.16						.10			.05	.11				2.77
Ericson (near)	Loup	.54						.93				.22				.11						.02	.10					.20					2.12
Ewing	Elkhorn			T.			T.	.12	.03		.10	.64				.04		.04	T.				.08		T.		T.		.35				1.40
Exeter	Blue																				.20								.65		T.		0.85

TABLE 2.—*Daily precipitation for July, 1913. District No. 6*—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	
Nebraska—Con.																																	
Fairbury	Blue						T.				.08	T.											.06		T.			.06			T.		0.20
Fairmont	do							.18				.25								T.				T.					.72			.04	1.19
Falls City	Missouri	.03						.15				.03																T.	.43				0.64
Fort Robinson	White								.01	.65		.54						1.10	.80						.30				.11				3.51
Franklin	Republican																						.25								.05		0.30
Fremont	Platte					.20	T.	.73				T.							.12				.22					.08	.65			.28	2.28
Fullerton	Loup						T.	.75				.15							.22				.25							.65	.45		2.47
Geneva	Blue						T.	.32									T.		T.				T.	.17	T.				.35		.12		0.96
Genoa	Loup					T.	T.	.82			.10					T.		.40					.10	T.			T.		.75		.16		2.33
Gordon	Niobrara									.18		.12				.15		.46										.50	.54				1.95
Gosper	Republican							.04				.12							.90				.12		.03		.34		.48				2.03
Gothenburg	Platte	.10	.05					.30		.05	.25	.30						1.40		.05			.02		.05				.30				2.87
Grand Island	do							.62	.02			.25			.04				.46					.22				.03	.20			.24	2.08
Grant	Republican						.07									.05	.20	1.02							.12		.04	.22					1.72
Greeley	Loup			.19			.09			.19	.11	.25							.41				.02		.05			.37					1.68
Guide Rock	Republican				.07																		.10						.22		.06		0.45
Haigler	do																	.73															0.73
Halsey	Loup	.24		.09			.57			.02	.06	.65				.17	.01	.71	T.					T.					.57				3.09
Hartington	Missouri			T.						T.		1.10				T.		.82						.46		T.		T.	.10				2.48
Harvard	Blue																																
Hastings	do		.95									.04			T.				.06	T.				.48				T.	.40				1.93
Hayes Center	Republican	.30	.30						.05		.05							.70							.04			.25					1.69
Hay Springs	White					.34			.24		.16	T.		T.		.19	.60		T.					T.	T.		.34	.40					2.27
Hebron	Blue	.01										.04							T.					.04	T.				.21	.02		T.	0.32
Hemingford	Niobrara									.08		.11						.90	.29	.02		.08			.16			.04	.46				2.14
Hendley	Republican										.40								.45								.02	.16					1.03
Hershey	South Platte	.36							.07	.12		.67						.15	1.06		.06				.07	.03		T.	.40				2.99
Hillside	North Platte	.72	.16					.47		.12	1.50	.02				.07	.21	.72	.32		.06			.23	T.	.02		.16	.87				5.65
Holdrege	Republican											.09												.13				.15	.09			.10	0.56
Hooper	Elkhorn						.26	.45				.16										.12	.34										1.33
Hull (near)	North Platte	.05						.10	T.								.16	.15	.90					.60	.20			.60			.60		4.36
Imperial	Republican	.55	.23				.13			.12	.05					.14	.13	1.23						T.	T.		.20	.35					3.13
Kearney	Platte							T.			.02								.39				.12	T.	T.			.08	.35		T.		0.96
Kimball	South Platte							.10	.10						T.	T.	1.06	.15	.38				.10	.40			.66	.50			.20		3.65
Kirkwood	Niobrara	T.	.17						1.07		1.42							.58					T.				.05		.17				3.46
Kowanda	North Platte	.09							.23			.10						.42	1.60						.31	.09			.35				3.19
Lexington	Platte	.01							.03	.03	T.	.06							1.17					T.	.06				.29				1.65
Lincoln	do	T.					T.	.04	T.		.03	.07					T.		.01				.12	.02		T.	.62	T.	.99		.03	.02	1.95
Lodgepole	South Platte									T.	.04						T.	.65	.40			.02		.13	.14				.33				1.71
Loup City	Loup						.63				.18						.08		1.78				T.					.50					3.17
Loyal	do																																
Lynch	Missouri	.30					T.		.08		.16					.06	T.	.92				T.				.04		.12	.22				1.90
McCool Junction	Blue							.34	T.			.35				.09	T.						.13				T.	.26			.05		1.22
Madison	Elkhorn							T.				.25						T.	.57				.16			T.			.39				1.37
Marquette	Blue				.07			.54			T.	.14							1.25				.11	.01	T.			.01	1.16				3.29
Mary	Loup	.36							T.	.02	.17	.02				.03	T.	1.34											.50			T.	2.44
Mason City	do						.30				.13						1.75					.25				.49							2.92
Minatare	North Platte															.10	.82	1.18	.13					.21	.05			.42			.05		2.96
Minden	Blue							.01			.05								.01			T.	.16		T.		.02	.52			.08		0.85
Mitchell	North Platte						.05		.01								.55	.38	.76					.14	.04	.53	.02						2.48
Nebraska City	Missouri							.63	.13										T.										T.				0.76
Nelson	Blue																						.12					.22			.14		0.48
Norfolk	Elkhorn						.06	.02		T.	T.	.30							.22				.40	.08	T.			T.	.65			.00	1.79
North Loup	Loup				T.		T.	.35		T.		T.	.16						.56				T.			.28			.40				1.75
North Platte	Platte	.28	T.				.05	.09	.61		.06					T.		.30	.88					T.	.10			.40			T.		3.37
Oakdale	Elkhorn	T.		T.				.04	.17		.15	.26				.01		.02	.14				.10			.02	.01	.03	.32				1.27
Omaha	Missouri	T.					.20	.40				.10							.16				.08	.14		T.	.17		.67		T.	T.	1.92
O'Neill	Elkhorn	T.						.09		T.		1.01				.21		.71						.32					.51				2.85
Ord	Loup			.42	.81				.06		.22						.02		.52				.09			.02	.23		.19				2.58
Orleans	Republican																																
Osceola	Blue				.10		.23	.60				.08					.07		.37					.10					.56			.52	2.63
Oshkosh	North Platte	.57						T.	.82		T.					T.	.22	1.11	.25	.04				.06	.40			T.	.38				3.85
Palisade	Republican	.16																.98				.09						.22					1.45
Pawnee City	Missouri							.11			.07																						0.18
Paxton	South Platte	.21								.26	.11	.09				.13	.06	.85	1.81					T.	.20				.29				4.01
Plymouth	Blue							.09																.07					.04				0.20
Purdum	Loup	.29						.02		.01	.19				.02	.01		1.55	T.			T.		T.					.33				2.42
Ravenna	do							.41	T.		.29	.08						.02	.84			T.	.21	T.	T.	.01			.48		T.	T.	2.34
Red Cloud	Republican				T.	.05		T.			T.								T.					.08	T.		.02		.38			.05	0.58
St. Libory	Platte							.65			.18								.63				.15						.92				2.53
St. Paul	Loup							.64			.22								.32				.08						.55				1.81
Santee	Missouri											T.	T.	.44				.55										T.	.12				1.11
Schuyler	Platte				T.	.08		.50				.42					.25		.13				.06	.22				.19	.24			.65	2.74
Scottsbluff	North Platte	.08					T.	T.	.11		T.	T.				.10	T.	.35	1.45	T.				.14	.10	T.	.02	.15			.02		2.52
Seward	Blue	.13					.03	T.				.05					T.	T.	.01				T.	.15				.02	.30		.11		0.80
Sidney	South Platte								.01		.04							1.72	.22		.29			.28	.09		.22	.44					3.31
Springfield	Platte			.19				.86			T.	.02					T.		T.				.25			T.	T.		.16			T.	1.48
Springview	Niobrara			.66			T.	.10		.50	T.	1.65					1.00	.52					T.			.12		.30	.10				4.95
Stanton	Elkhorn					.06				.12	.12				T.				.50				.30						.90			.09	2.69
Stapleton	Loup						.75	.11			.23				.10	.15	.05	.39										.40					2.18
Stratton	Republican																	2.00			.13					.30							2.43
Superior	do																												.28				0.28
Syracuse	Missouri						T.	.34	.04			.11							.02									.03	.17			.02	0.73
Table Rock	do							.16				.01																	.80				0.97
Tecumseh	do																																
Tekamah	do		1.82				.23					.06	.17				T.			.05				.33		.05			.25			.28	3.24
University Farm	Platte						T.	.05				.13							.01					.15		T.		1.15	.86			.02	2.37
Valentine	Niobrara		.51				T.		T.		.76	.05		.12		.97	.01	1.27				T.	.01	T.	T.		.01	.23			T.		3.94
Wahoo	Platte	.27						1.47									.13		.08				.10				.53	.50			.30		3.38
Wakefield	Elkhorn				.06			.22				.70							.06				.25			T.			.30		.02		1.61
Walthill	Missouri				.13			.34				.59							.09				.23			.05			.31			.60	2.34
Watertown	Platte										.11						.23		1.88									.63					2.85
Wauneta	Republican		.35					.10	.05									.45						.05				.25					1.25
Weeping Water	Missouri						.03	1.24	T.			.02							T.					.04					.31			T.	1.64
Westpoint	Elkhorn		.46		T.		.27	.15											.33				.22	.21					.66			.10	2.40
Wisner	do	T.			.16		.17	.19		T.		.12						.04	.25				.09	.11					.42			.39	1.94
York	Blue				T.			.27				.16					T.		.17				T	.07			.15	.01	.21			.13	1.17

TABLE 2.—*Daily precipitation for July, 1913. District No. 6*—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	
Iowa.																																	
Afton	Grand							.12				.76												.06		T.							0.94
Allerton	Chariton							.05				.20																					0.25
Alton	Floyd					1.05						1.33					.07	.04					.86			.18		.02	T.	.08		.03	3.66
Atlantic	Nishnabotna		.08				T.	.10				.10							.01				.01	.14		T.		.01	.04			T.	0.49
Audubon	do		.55					.06				.90							T.				.06	.31									1.88
Bedford	Missouri						1.65	.93	.05			.69							T.					.06		T.	T.						3.38
Centerville	Chariton	T.							.35			.15												.05				T.					0.55
Chariton	do							T.	T.			.55												T.				T.					0.55
Clarinda ‖	Nodaway						.45	2.60		.05		.11	T.							T.				T.					.03				3.24
Corning	do						T.	.41				.81							T.					T.	T.				.15				1.37
Corydon	Chariton						T.	.04	T.			.84							T.					.03									0.91
Council Bluffs	Missouri	T.				1.00	.78	T.				.13							T.	T.			.05	.34		T.	T.	.06	.26			T.	2.62
Creston ‖	do						T.	.16	.03			T.	.50											.05			T.		T.				0.74
Cumberland	Nodaway							.01				.10												T.									0.11
Denison	Missouri		.50				T.	.02				1.02							.05				.26	.35		.04			.12			.07	2.43
Elliott	Nishnabotna						T.	1.25				1.35							T.					.04		T.			.08				2.72
Greenfield	Nodaway		.04					.15				1.03							T.														1.22
Harlan	Nishnabotna	.11	.65		T.		T.	.17				.26							.01				.10	.35		T.	.03	T.	.14	T.		T.	1.82
Inwood	Big Sioux	T.			.41							1.20				T.	T.	.05					.35	.02		.45	.02		T.		.01	.34	2.85
Lake Park	Little Sioux					.55					.90							T.					.35			.45							2.25
Lamoni	Grand						.60	.40				.32												T.				T.					1.32
Larrabee	Little Sioux																																
Le Mars	Floyd			T.		.25	.02	T.				.86				T.		.17	.01				T.	.32		.09			.05			.03	1.80
Lenox	Missouri						.10	.48				.15												.05					T.				0.78
Leon	Grand							T.	T.			1.28								T.				T.				T.					1.20
Little Sioux	Little Sioux		1.20					.10				.20							.25				.15	.20		.03			.95			.30	3.38
Logan	Missouri	.17	.60					T.				.53							T.				.11	.18					.25			T.	1.84
Mount Ayr	Grand						.07	.26	.04			.70								T.				.10		T.		.01	T.			T.	1.18
Murray	do						T.	.09				.73												.07		T.		T.	T.				0.89
Northboro	Missouri						.23	.85	T.			.10																	.23				1.41
Odebolt	Little Sioux		.61				T.						1.10						.02				.25	.60	.02								2.60
Onawa	Missouri		.20			T.		.25				.52							.17				.20	.15		.12			.35			.08	2.04
Pacific Junction	do								T.			.05							T.				.02	.05		T.			.28				0.40
Rock Rapids	Big Sioux																																
Sheldon	Floyd																																
Sibley ‖	Big Sioux					.79						.83	.23				T.	.02	.03					.23		.43	.06					.20	2.82
Sioux Center	Floyd				.42							.90					.15	T.					.84			.31						.02	2.64
Sioux City	Missouri			T.	.11						.01	.58							.01				.92			.05			.16		.08		1.92
Spencer	Little Sioux				.01	.22						1.14				T.		.05					.93			.28		.01				.12	2.76
Thurman	Missouri						.10	.71	T.			.14							T.				T.						.21				1.16
Washta	Little Sioux	.55			.20		.02	T.				.93						T.					.66			.02			.12		.03		2.53
Kansas.																																	
Abilene ‖	Smoky Hill	.08									.04													T.	.26								0.38
Agricultural College	Kansas											.08								.09													0.17
Alton	Solomon					T.				.04														.06	T.		T.		.25			T.	0.35
Atchison	Missouri							.65													T.												0.65
Beloit ‖	Solomon										T.													T.	T.	T.	T.		T.			T.	T.
Blakeman	Republican	.02							.09										.29					T.	T.			.22	.02				0.64
Blue Rapids ‖	Blue	.23										.07																					0.30
Centralia	do											.03																.33					0.36
Chapman ‖	Smoky Hill																																
Clay center	Republican																																0.00
Colby	do	T.						.03		.03							T.			.32			.03			.02	T.	.16				T.	0.59
Concordia	do	.01				.04		T.				T.			T.		.09						T.	T.	.01		T.						0.15
Densmore	Solomon																						.21	T.	.03	.14			.14			.21	0.73
Dresden ‖	Republican	T.	T.				T.		T.	T.		T.							.02					.05	T.	.02	T.	.15	.25			T.	0.49
Ellsworth	Smoky Hill									.07		T.								.03				.03					T.				0.13
Emmett	Kansas											T.							.17					T.									0.17
Eskridge	Osage	.30								.05		T.							.44					.46				.03	T.				1.28
Farnsworth	Smoky Hill				.13					T.					T.					.12			T.				.14	.11	T.				0.50
Fort Scott ‖	Osage	2.56	.15							.08	T.														3.82	.05		T.	1.62				8.28
Frankfort	Blue							T.																				.90					0.90
Garnett	Osage	.36								.68				T.						.07				.04	.67	.11		.08	.65				2.66
Goodland	Republican																																
Hanover ‖	Blue	.04						T.				T.	T.											T.		T.							0.04
Harrison	Republican				T.					.67	.01												.11		.05				.10			T.	0.94
Hays ‖	Smoky Hill						T.			.07										.28	.13		T.	.11					.04				0.63
Hill City	Solomon																					T.		.48				.17			.17		0.82
Holton	Kansas							.06	T.			T.												T.				T.					0.06
Horton	do	.28					.18	.05			T.	T.												T.				T.					0.51
Hoxie	Solomon	T.								T.										T.		T.				T.		.18	.20			T.	0.38
Lawrence	Kansas	.22							.15											.89				.37	T.		.04						1.67
Leavenworth	Missouri	.22						1.25												.35			T.		.25								2.07
Lebanon	Solomon					T.			.40															.38	.07			.30					1.15
Lenora	do					.04						.01										.23			.02	.02	.32	.15			.09		0.88
Leoti	Smoky Hill									.10										.88					.02		.04	.19					1.23
Lincoln	Saline									.15										T.													0.15
Lindsborg ‖	Smoky Hill								.15	.25									.08	.02								.33					0.83
McCracken	do					.02				.04										.27				.12					.33				0.78
Minneapolis	Solomon	.09						T.		2.25														T.					T.				2.34
Moran	Osage	3.10								.08			.04						T.	.55					.51				.23				4.51
Natoma	Saline																																
Norton	Republican	T.				T.						T.	T.						T.			T.	.11	T.	T.	.08	.20	T.	.18		T.	T.	0.57
Oberlin	do							T.																	T.	.01			.31				0.32
Oketo	Blue							.08			T.	T.											T.				.02	1.39					1.49
Olathe	Kansas	.27						.03	.32			T.								.28				.08		T.				T.			0.98
Oskaloosa	do							.16												.55				T.									0.71
Ottawa	Osage	.32						.01		.64										.25				.25	.06			.43	.02				1.98
Phillipsburg	Solomon	T.								.92									T.			T.	.06	.03	.05				.10			.18	1.34
Plainville	Saline				.10	.20																		.08			.25		.11				0.74
Pleasanton	Osage	1.33								.06										.14					.46				.59				2.58
Quenemo	do	.24								.30									T.	T.				.56	.02			T.	.45				1.57
Republic	Republican											.12												.05	.03				.02				0.22
Russell	Smoky Hill									.20										T.				T.									0.20
Russell Springs	do																																
St. Francis	Republican	.49															.41		1.08				T.		.09			.12					2.19
Salina	Smoky Hill					.07			.11		T.													.10									0.28
Scott	do				T.															1.54					T.		.46		.22				2.22
Smith Center	Solomon				.18					.39														.08	.05				.16			T.	0.86
Topeka	Kansas	.07						T.				T.							.31	.75				.44				T.	T.				1.57

TABLE 2.—*Daily precipitation for July, 1913. District No. 6*—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	
***Kansas*—Contd.**																																	
Tribune	Smoky Hill									.12							T.		2.35	.15					.15			.25					3.02
Valley Falls	Kansas	.01						.04												.30				.04									0.39
Vinland	do	.31						.04	.05			.01		T.					.05	.60				.22	.03			.27	T.				1.58
Wakeeny	Smoky Hill				.10					1.06					.99					.70				.10					.13				3.08
Wallace	do								.02		T.						T.		.03	.02							.14	.12					0.33
Wamego	Kansas							T.	T.			T.								.12				.02					T.				0.14
Missouri.																																	
Amoret	Osage	.90								.09		T.								T.				T.	.62								1.61
Appleton City	do																						1.19				.19						1.38
Arlington	Gasconade	.30	.20			.45		.55	.79	.22			.44							.15					.05				.35			.28	3.78
Arthur	Osage	.10										.10								.09					.57								0.86
Avalon	Grand	.75					.20	.90	.70			.44								.15				.15				.25	.10				3.64
Bagnell	Osage							1.50					.75															.01					2.26
Bethany	Grand						.52	.46	.30			.78												T.				T.					2.06
Bolivar	Osage	.21										.32													.60			.35	.03				1.51
Boonville ‖	Missouri	.23					.02	.55	.53	.16			.85							.27												.05	2.66
Brunswick ‖	Grand	.70	.35				.05	.78	1.57				.63							2.18					.12								6.38
Clinton	Osage											.45																					0.45
Columbia	Missouri	.02			.01		T.	.68	.84			.98			T.					.76				.01			.02	.03	.03				3.38
Conception	do						T.	3.62	.04			.25			T.											T.		.02					3.93
Crocker	Gasconade	1.74			.25			.74	.70			.42							T.					T.	T.			.91			.09	.58	5.43
Duncan	Osage	1.22			.08	.02		.15	.06	.17		.35													.59		T.				.06		2.70
Eldon	do	.16						1.20	.05	.24		.56	.09							T.					.16			.04	.34	.25			3.09
Fayette	Missouri				.08		T.	.69	1.11			.75			T.					.62								T.	T.				3.25
Fulton	do			.70				.35	.27	.70			.83						.23														3.08
Glasgow ‖	do	.42	.06					.72	.54	.64			1.15							1.32													4.85
Grant City	Grand						.80	.93	T.			.37								T.				T.				T.	T.				2.10
Harrisonville ‖	Osage	.38	.55					.05		.19		T.								.08					.02		.26						1.53
Hazelhurst	Grand	.06					T.	.55	1.73			1.00			T.									.05				.28					3.67
Hermann ‖	Missouri	.12	.32		T.	T.		.12	.07	.90			.48			T.				.20		.02			.24			.01	.05	.01		T.	2.54
Houston	Gasconade	.91	T.	T.				1.05	.28	.19	.10		.50												T.	T.		.05	T.	T.	1.00		4.08
Jefferson City ‖	Missouri	.05	.10		.01			.45	.35	.05			.82							.54					.04				.21	.15			2.77
Kansas City	do	.24						1.21	.01			.59								.50				.61		.70							3.86
Kidder ‖	Grand	.02						3.08		.02			1.22							.12					.10								4.56
Lamonte	Missouri	.25		T.				1.30	.35			1.40								T.				.05		T.		T.			T.		3.35
Lebanon	Osage				.25			.07	.68				.12															.23		.12	.90	.41	2.78
Lexington ‖	Missouri	.20	.23					1.90	.10				.75							1.05					.13		.09						4.45
Liberty	do	.30						1.80	.20			.67								.27				.62									3.86
Lockwood	Osage					T.	T.			.16			.64												1.74			1.60		T.			4.14
Marshall	Missouri	.48					.10	.90	.30			1.38								.41				T.				T.					3.57
Maryville ‖	do	.04						3.50							.02					.11									.33				4.00
Mount Vernon	Osage	.95						1.63		.13			.48												1.80						.50		5.49
Nevada	do	.05								.12		.15												.15	1.40	.05		.09	.05				2.06
Oregon	Missouri						T.	.69	T.										T.														0.69
Osceola ‖	Osage		.10							.14			.50							.10					.23			.10	.04				1.21
Pattonsburg ‖	Grand	.05							1.62	.11			1.03						.04														2.85
Rolla	Gasconade	.41			.47	.20	.28	.28	.18	.30	.63									.20	T.			.11		.09		.30	.27		.19		3.91
St. Charles	Missouri	.50		.11	.59								.44						.52						.18			.10					2.44
St. Joseph	do						T.	1.44	T.			.01												.07				.09	T.				1.61
St. Louis (1)	Mississippi	2.12			.04				T.			.51			.04					.22				.01	.12			.55					3.61
St. Louis (2)	do	2.78			.05				T.			.40			.09					.30				.01	.14			.77				T.	4.54
Sublett	Chariton	T.						.50				2.00																					2.50
Tarkio	Missouri						.02	.68																				.84					1.54
Trenton	Grand	.03				T.	.77	1.52	.02			1.06			T.				.09					.03				.18					3.70
Unionville ‖	Chariton							.03	T.	T.	T.		T.							T.				T.					T.				0.03
Warrensburg	Missouri	1.19						.76				.91								.05				T.	.02	T.		T.	T.				2.93
Warrenton ‖	do	.42	.54		.06	.59			T.	.34			.53							.94					.07				.38				3.87
Warsaw	Osage	.04						.10	.02	.03		1.00								.03					.06			.13					1.41
Wheatland	do	.02																.10	.08														0.20

* Precipitation included in that of the next measurement.
‡ Separate dates of falls not recorded.
‖ 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 3.—*Maximum and minimum temperatures at selected stations for July, 1913. District No. 6, Missouri Valley.*

Date.	Wyoming.																Montana.											
	Basin.		Cheyenne.		Fort Laramie.		Lander.		Newcastle.		Pathfinder.		Sheridan.		Yellowstone Park.		Billings.		Dillon.		Havre.		Helena.		Lewistown.		Malta.	
	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....	89	38	80	47	90	46	81	42	80	58	81	47	75	49	69	39	80	48	72	40	76	58	71	46	71	49	76	48
2....	90	40	90	52	88	45	81	52	91	60	83	59	71	54	60	46	77	50	70	36	68	52	67	50	66	50	71	45
3....	96	48	82	50	90	52	82	52	85	58	83	56	77	52	60	42	82	50	71	37	72	44	65	50	69	43	78	55
4....	98	54	82	56	91	60	80	50	80	68	80	52	75	50	63	46	80	52	82	45	70	55	70	51	69	48	79	48
5....	100	60	88	51	99	43	88	46	90	52	86	49	84	46	73	47	88	48	85	47	79	51	77	50	80	51	81	52
6....	100	64	90	57	103	53	94	52	96	60	93	52	93	51	83	49	95	53	86	50	91	54	92	55	90	52	91	62
7....	101	64	91	58	98	55	92	56	100	68	93	63	95	58	81	55	102	58	85	55	85	59	85	61	82	53	88	54
8....	98	60	85	57	96	55	92	53	94	64	88	63	86	54	82	47	89	54	84	55	82	52	90	54	83	47	90	47
9....	102	61	81	55	96	50	94	62	92	58	93	65	93	56	82	50	100	53	80	46	94	54	90	57	92	55	93	53
10....	85	48	86	56	95	54	82	61	84	65	87	66	74	55	68	49	81	60	80	40	77	54	70	54	71	57	79	57
11....	90	50	73	45	74	54	72	46	72	53	80	48	66	45	64	39	75	54	78	37	71	53	68	53	61	48	73	51
12....	96	48	83	43	96	34	88	42	82	44	80	49	77	41	70	41	82	40	76	37	74	52	75	53	76	38	78	45
13....	94	46	92	52	101	45	86	50	96	60	79	57	92	43	65	46	87	46	70	31	54	46	62	47	67	49	68	42
14....	98	49	77	58	90	60	87	47	88	55	80	50	79	45	69	32	78	37	76	40	74	46	72	43	71	35	81	45
15....	100	56	82	58	93	59	87	58	92	65	92	58	85	45	73	40	86	43	78	41	75	50	72	45	77	36	79	39
16....	98	48	78	59	90	63	85	54	90	68	86	58	83	51	77	39	87	42	78	42	78	44	79	46	80	38	82	44
17....	102	59	79	54	87	58	84	55	86	72	83	58	81	54	77	43	88	50	79	50	83	44	82	53	82	50	86	46
18....	94	52	73	53	88	53	84	55	82	55	82	61	85	60	80	44	87	52	76	46	85	44	86	54	81	51	89	47
19....	92	51	74	53	86	53	83	56	85	52	79	58	85	53	77	47	88	52	76	39	85	49	86	56	83	45	88	48
20....	96	52	72	48	88	52	84	52	85	61	83	56	87	48	81	45	91	50	71	34	91	54	91	57	86	45	91	50
21....	94	50	80	47	95	51	88	52	92	68	86	57	89	51	74	51	95	52	72	38	82	57	77	63	77	50	90	52
22....	90	48	76	56	83	53	76	55	85	64	80	60	68	57	66	52	71	60	70	41	74	56	73	60	66	52	89	51
23....	89	48	56	51	77	60	66	55	70	60	66	55	64	52	70	51	79	51	69	42	80	59	81	58	74	50	86	50
24....	84	45	68	50	78	50	71	55	65	55	77	54	73	52	62	49	84	53	73	40	87	53	83	53	86	47	90	52
25....	86	45	76	49	89	50	78	50	84	55	79	55	83	51	63	50	90	58	78	35	91	57	81	55	85	46	90	48
26....	84	42	78	50	87	48	75	46	85	54	82	58	65	51	53	46	59	53	76	34	66	50	60	49	67	47	91	36
27....	85	40	66	46	73	47	68	49	83	52	74	48	72	50	62	45	77	50	75	39	79	40	76	44	77	38	93	38
28....	86	41	76	46	89	43	76	45	85	52	78	52	82	49	66	45	87	49	76	41	88	50	80	51	82	48	90	50
29....	87	40	81	47	93	49	80	49	90	55	82	55	85	49	57	38	81	50	73	37	68	52	66	46	53	51	88	42
30....	86	41	81	44	74	45	69	45	81	46	76	49	66	43	63	35	73	49	70	31	76	50	71	44	70	41	87	51
31....	88	36	75	43	88	35	80	40	80	40	80	42	79	40	74	39	85	44	74	35	86	57	82	52	82	39	86	52
Mns..	92.8	49.2	79.1	51.3	89.5	50.8	81.7	51.0	85.2	58.0	82.2	55.2	79.6	50.2	69.8	44.7	84.0	50.4	76.3	41.0	79.1	51.5	76.8	51.9	76.3	46.7	84.2	48.4

Date.	Montana.				North Dakota.										South Dakota.													
	Miles City.		Poplar.		Berthold Agency.		Bismarck.		Dickinson.		Jamestown.§§		Williston.		Aberdeen.§§		Ellingson.		Huron.		Kadoka.		Kimball.		Pierre.		Rapid City.	
	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....	79	54	76	52	75	49	73	50	74	47	70	61	73	48	78	58	75	52	80	63	.....	.....	80	61	83	61	76	56
2....	74	65	73	55	78	52	77	52	80	53	70	45	75	55	87	50	84	56	88	56	.....	.....	87	56	97	61	84	58
3....	84	56	81	47	83	45	78	53	80	47	74	54	78	50	77	57	74	49	78	58	.....	.....	80	62	81	65	78	59
4....	76	56	78	54	74	55	68	57	73	54	74	52	63	56	72	54	77	54	83	57	.....	.....	81	56	84	62	79	52
5....	86	54	80	47	81	55	82	56	81	48	76	51	78	54	78	53	85	51	82	56	.....	.....	87	55	91	61	84	54
6....	97	58	88	50	88	46	85	52	82	48	80	52	84	52	87	50	87	49	85	56	.....	.....	89	60	91	61	91	58
7....	95	65	90	60	96	58	96	60	96	58	87	56	91	61	92	57	100	60	91	61	103	74	96	61	101	68	97	63
8....	89	65	82	52	81	53	86	60	89	58	87	62	77	54	90	68	90	60	94	66	96	83	96	68	98	75	88	61
9....	102	57	91	46	87	40	81	51	85	41	77	52	84	45	78	58	87	45	79	55	91	52	84	56	86	60	88	53
10....	86	65	84	63	79	57	76	59	84	61	78	53	78	58	82	56	79	54	84	55	87	67	89	55	89	65	80	60
11....	75	58	76	55	72	56	67	55	75	54	71	58	63	55	72	62	68	55	75	58	76	70	63	53	75	63	69	53
12....	84	54	77	55	.....	.....	75	53	74	50	70	46	71	53	78	54	76	53	82	53	95	67	68	52	84	61	80	46
13....	94	58	82	52	77	41	79	46	81	45	71	47	77	50	80	45	85	48	81	51	93	72	79	56	85	56	94	47
14....	79	55	81	50	80	51	81	60	85	45	73	55	75	51	78	62	79	53	86	65	90	76	82	69	85	67	78	60
15....	91	58	84	52	86	49	84	53	87	55	80	59	83	53	82	66	93	56	86	68	95	72	90	68	92	65	93	57
16....	88	58	86	48	84	59	84	62	82	62	81	62	82	54	84	68	86	62	88	67	87	70	86	67	84	69	81	64
17....	86	55	91	52	90	57	83	60	80	57	82	63	82	52	72	65	81	58	78	63	86	71	80	64	83	65	74	63
18....	89	63	88	52	87	45	80	55	80	52	77	53	81	51	82	64	80	59	85	61	82	65	83	61	87	65	76	58
19....	90	57	87	49	87	44	79	55	80	45	76	54	81	54	83	67	83	51	83	61	89	55	83	60	86	63	83	58
20....	91	60	92	51	85	44	81	50	82	46	77	51	85	50	78	58	82	50	78	52	86	57	77	54	80	59	82	53
21....	96	62	97	53	94	52	93	56	91	53	87	51	90	57	86	56	91	55	86	53	98	60	89	54	92	60	88	54
22....	79	65	86	46	81	58	77	59	80	58	74	58	76	57	77	58	77	59	76	62	88	51	78	62	80	65	74	60
23....	82	60	87	51	82	42	76	50	77	42	71	49	76	47	77	50	77	44	79	51	81	50	78	53	80	57	72	54
24....	85	58	89	54	86	42	81	48	84	45	77	44	83	52	80	48	81	52	80	53	76	55	80	54	79	57	68	56
25....	91	60	97	55	92	49	85	58	88	48	78	50	88	59	77	51	85	52	89	58	96	56	90	59	89	61	88	58
26....	71	62	83	55	76	53	79	58	73	56	83	56	70	49	87	60	69	55	91	64	93	60	90	62	87	66	77	59
27....	80	50	81	41	78	48	73	49	72	40	69	49	72	42	77	60	75	45	77	57	80	50	81	59	78	59	73	50
28....	88	58	92	51	91	52	85	52	89	51	78	45	88	56	84	52	83	61	84	58	96	57	89	57	92	63	87	57
29....	90	60	89	50	.....	55	98	54	96	51	94	56	92	54	101	56	97	52	99	61	105	63	98	63	102	69	93	64
30....	71	56	75	52	71	50	74	56	70	51	98	58	70	53	83	60	67	48	83	62	87	57	84	75	83	61	64	47
31....	87	49	91	50	87	41	86	48	85	44	84	48	84	53	89	52	84	45	85	50	93	43	83	49	88	56	82	51
Mns..	85.6	58.4	85.1	51.8	83.0[b]	49.9[a]	80.7	54.4	81.8	50.5	78.2	53.2	79.0	52.7	83.2	55.6	81.8	53.0	83.7	58.4	90.0[f]	62.4[f]	83.9	59.5	86.8	62.8	81.3	56.2

TABLE 3.—*Maximum and minimum temperatures at selected stations for July, 1913. District No. 6*—Continued.

Date.	South Dakota.						Colorado.				Nebraska.																	
	Sioux Falls.§§		Watertown.§§		Yankton.		Denver.		Wray.		Alma.		Bridgeport.		Grand Island.§§		Hay Springs.		Hebron.		Lincoln.		North Platte.		Oakdale.		Omaha.	
	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....	85	62	78	60	87	65	90	55	89	58	87	61	90	52	92	64	.....	.....	87	65	92	67	86	61	86	65	90	68
2....	89	57	81	52	92	59	96	62	99	58	93	64	104	57	95	64	.....	.....	92	67	96	70	95	61	90	60	94	70
3....	92	60	69	57	93	66	88	61	96	63	95	65	93	58	99	73	.....	.....	95	70	98	74	97	69	93	73	95	74
4....	93	62	80	55	96	64	92	62	95	63	98	62	89	57	105	75	.....	.....	100	73	103	75	92	70	96	67	99	74
5....	82	58	81	54	86	61	94	60	95	67	93	74	96	49	92	65	.....	.....	93	68	93	68	89	56	88	60	90	72
6....	88	58	83	55	90	65	93	64	104	64	100	61	98	60	99	72	.....	.....	98	71	90	70	94	65	91	62	86	66
7....	92	60	82	55	91	66	94	63	103	63	102	67	104	54	98	69	.....	.....	99	72	98	70	99	63	91	66	89	66
8....	90	66	89	66	92	70	92	61	99	65	101	74	100	58	95	76	.....	.....	98	75	90	75	97	63	96	67	91	74
9....	79	56	75	51	81	62	87	60	92	63	93	69	92	54	87	71	.....	.....	93	75	87	66	86	63	81	61	83	68
10....	84	52	80	51	85	59	92	64	93	65	87	52	93	62	90	59	90	65	91	55	90	56	86	61	85	53	83	62
11....	74	56	73	56	78	60	81	56	85	60	82	61	76	55	82	66	72	52	85	69	86	65	77	56	77	59	82	68
12....	76	54	75	51	84	59	92	51	91	50	90	48	98	39	91	56	85	42	90	54	92	59	90	47	86	54	89	61
13....	86	52	78	44	92	56	99	62	105	59	104	68	101	62	103	75	100	54	100	72	102	74	98	68	95	59	100	69
14....	93	62	80	60	89	72	89	66	98	69	98	71	87	61	93	73	88	56	104	80	106	76	88	64	89	73	104	78
15....	95	70	84	62	92	70	86	62	101	61	105	71	96	56	105	71	92	57	105	70	106	75	100	67	98	69	101	77
16....	87	68	86	62	92	74	83	65	101	70	107	71	92	60	103	79	82	62	108	80	109	81	95	64	94	69	104	80
17....	78	70	75	65	82	67	83	59	94	56	100	63	85	60	95	73	80	61	105	68	106	74	89	64	84	68	100	74
18....	85	58	83	54	81	62	73	59	84	64	81	64	85	58	72	65	80	61	92	71	84	64	76	62	71	57	82	66
19....	82	60	80	57	84	61	71	57	82	56	91	51	89	54	88	56	81	50	90	56	90	56	84	55	84	54	88	61
20....	78	52	76	52	78	55	76	56	83	53	85	52	88	56	81	66	83	52	88	58	83	63	81	56	78	55	79	62
21....	86	51	82	50	85	52	81	58	87	55	94	52	89	57	91	55	88	53	88	50	88	54	88	56	87	49	87	62
22....	72	55	71	53	79	61	85	59	96	65	97	64	82	57	99	61	75	55	97	61	98	66	89	63	95	63	94	66
23....	77	55	73	49	77	59	66	56	75	56	77	60	69	58	77	62	65	53	82	65	79	65	73	61	78	58	78	64
24....	82	55	78	45	81	50	75	53	74	57	77	52	66	54	90	55	61	54	83	65	83	58	68	59	82	50	80	62
25....	84	58	78	48	90	62	83	56	94	59	94	58	92	57	94	64	90	54	91	64	93	68	93	56	90	62	86	66
26....	93	58	90	59	98	71	87	54	95	53	95	63	96	49	99	72	88	54	100	71	101	73	94	55	95	70	99	70
27....	78	60	73	53	79	63	66	53	87	55	94	59	78	52	87	59	75	48	93	69	88	70	83	60	82	63	87	72
28....	83	58	79	52	88	62	81	50	93	51	95	54	88	49	97	61	88	50	97	65	98	64	87	57	87	61	93	64
29....	95	60	92	57	97	66	90	54	99	64	100	63	93	52	99	69	90	65	100	73	102	74	93	60	95	62	100	76
30....	94	65	87	60	95	67	88	56	96	53	104	64	78	52	104	73	85	50	103	75	103	74	87	63	98	72	101	77
31....	82	65	82	53	83	56	79	50	86	45	85	58	84	41	85	58	81	36	84	63	83	64	82	47	81	56	80	65
Mns..	84.9	59.1	79.8	54.8	87.0	62.6	84.9	58.2	92.6	59.4	93.7	61.8	89.4	54.8	93.1	66.4	82.7[1]	53.8[1]	94.5	67.4	94.1	68.0	88.3	60.4	87.8	61.8	90.8	68.8

Date.	Valentine, Nebr.		Iowa.						Kansas.										Missouri.							
			Clarinda.§§		Sibley.§§		Sioux City.		Colby.		Concordia.		Salina.		Topeka.		Wakeeney.		Columbia.		Kansas City.		St. Louis.		Unionville.§§	
	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.....	81	63	91	64	86	57	90	67	88	59	90	64	88	65	84	70	94	60	85	72	82	72	85	68	86	70
2.....	96	59	94	67	86	57	90	62	96	63	95	72	95	69	90	69	97	67	92	70	90	71	87	73	90	63
3.....	77	60	97	66	93	61	94	73	100	69	97	71	94	74	90	71	96	71	90	74	91	75	88	74	92	66
4.....	87	57	95	70	93	63	94	70	93	69	103	75	101	74	94	72	105	71	92	74	94	74	87	73	93	70
5.....	87	54	93	66	80	60	86	65	103	70	97	75	100	76	95	76	94	68	95	71	97	77	95	78	90	72
6.....	91	62	83	63	86	55	90	66	99	75	106	72	106	74	95	74	104	68	84	70	91	75	84	72	86	60
7.....	98	65	89	63	89	58	90	67	91	68	105	76	106	83	96	70	106	70	88	66	88	64	86	72	93	60
8.....	94	68	89	65	91	63	96	73	91	67	102	80	110	80	104	78	105	72	88	68	99	74	90	72	90	66
9.....	83	62	87	70	76	58	81	63	86	66	94	68	100	70	93	71	92	66	94	71	90	71	94	71	91	67
10.....	85	61	84	54	83	49	81	58	91	65	93	58	90	51	88	62	93	64	83	63	84	63	84	68	85	53
11.....	73	57	87	58	75	57	79	63	91	64	88	65	95	75	96	71	89	70	89	67	94	70	87	68	90	56
12.....	85	52	89	57	79	55	85	61	90	64	93	57	95	59	91	64	91	54	87	64	90	67	86	69	86	60
13.....	97	58	97	62	83	50	95	59	106	66	101	76	105	73	93	72	110	73	93	71	95	73	92	71	95	62
14.....	82	62	100	75	94	65	96	76	102	80	110	82	105	67	100	78	109	76	94	74	98	79	92	76	96	70
15.....	94	65	100	75	94	69	98	72	104	70	107	74	109	80	103	76	104	70	94	75	103	78	85	77	98	75
16.....	83	67	106	71	91	72	96	76	103	65	109	76	109	80	104	75	104	74	97	74	102	78	96	77	100	73
17.....	76	64	104	65	85	69	87	67	95	70	106	78	105	79	102	74	104	71	100	75	101	79	101	79	102	74
18.....	79	64	89	67	84	59	77	64	89	63	91	72	101	71	95	75	93	67	96	75	91	76	102	79	90	70
19.....	82	58	90	56	84	53	85	60	79	57	93	62	98	67	88	63	78	58	86	62	85	62	85	65	91	60
20.....	79	56	83	60	78	53	79	59	84	55	87	61	90	56	84	68	87	59	83	65	83	69	84	70	85	59
21.....	89	60	88	53	83	50	86	54	89	55	91	55	94	54	84	61	90	58	82	61	82	64	81	64	90	50
22.....	77	62	94	54	71	56	88	63	95	65	98	68	101	75	94	63	94	63	90	59	93	66	84	66	91	56
23.....	75	57	81	61	76	55	79	61	73	60	80	68	90	68	81	69	89	61	89	70	81	69	93	72	85	60
24.....	69	56	85	59	80	50	80	54	78	60	83	61	91	64	82	64	82	58	84	67	80	65	83	68	85	56
25.....	93	61	85	61	79	54	84	61	93	56	93	63	95	64	86	64	95	57	87	64	84	67	85	64	86	58
26.....	90	57	100	67	92	58	95	70	95	66	101	75	103	69	96	72	98	64	95	69	95	71	91	71	92	62
27.....	76	56	89	70	80	60	82	67	91	63	96	69	102	80	91	70	95	64	85	71	88	72	89	69	88	66
28.....	86	56	95	64	87	57	87	63	89	56	100	67	99	84	99	71	94	54	95	71	97	75	93	74	95	63
29.....	94	61	103	65	97	58	98	70	99	66	101	76	102	81	99	77	99	58	100	76	99	79	98	78	101	70
30.....	87	56	102	70	98	62	100	72	101	64	103	78	103	75	100	76	103	69	98	73	100	79	96	78	100	72
31.....	81	44	87	68	80	59	82	60	91	55	88	61	98	70	90	71	89	60	98	72	90	73	97	75	95	71
Mns.....	84.7	59.4	92.1	64.1	84.9	58.1	88.1	65.0	92.7	64.2	96.8	69.5	99.4	71.2	93.1	70.5	96.2	65.0	90.7	69.5	91.5	71.8	89.7	72.0	91.5	64.2

[a], [b], [c], etc., indicate respectively 1, 2, 3, etc., days missing from the record.
§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.