CLIMATOLOGICAL DATA FOR AUGUST, 1911.

DISTRICT NO. 10, GREAT BASIN.

ALFRED H. THIESSEN, District Editor.

GENERAL SUMMARY.

During August the weather was abnormally dry, there being very few local storms, and on the average only 2 rainy days in the district. In the Utah area 30 stations out of 73 reported no rain or only a trace, while in the remaining portion of the district precipitation fell in measurable quantities at only 9 stations. At those stations having long records, only 1 reported an amount above normal.

The temperature for the district averaged below normal. Light frosts were frequent in the mountain districts, but only slight damage was reported.

The average cool weather seemed to have no deterrent effects on agriculture, and the lack of moisture was not felt so much in the agricultural districts as on the ranges. Cattle, however, suffered but little, as springs held out well, giving them plenty of drinking water. In the agricultural sections the snows of the past winter furnished ample water for irrigation and power purposes.

The average number of rainy days was 2, clear days 21, partly cloudy days 7, and cloudy days 3.

TEMPERATURE.

The temperature for the district averaged 2.1° below normal. The highest monthly mean was 83.6° at Wendover, Utah, and the lowest was 54.9° at Tahoe, Cal. As a rule the highest means occurred on the western slope of the Wasatch Mountains in the Utah area, and in southern Nevada; while the lowest means were reported in the Oregon area and at the elevated stations in the California and Utah areas.

While the district average was below normal, the mean monthly temperature at the several stations varied greatly from the normal. Of the 47 stations having records long enough to compute normals, only 13 reported plus departures and these are located in western Utah and eastern Nevada. The greatest plus departure was 2.9° at Mount Nebo, Utah, and at Ely, Nev. The greatest negative departures occurred in central Nevada.

Chronologically the temperatures were quite even, there being no well-defined period of warmth or coolness for the district as a whole. But in the eastern half of the district that period extending from the 1st to the 21st was warmer than the remaining portion of the month; while in the western part there were no hot periods over any considerable area.

The highest temperatures occurred generally from the 16th to the 19th, the highest reported being 110° on the 17th at Corinne, Utah. The lowest temperatures occurred on various dates, although the most common were the 21st and 25th, the lowest reported being 23° on the 21st at Cokeville, Wyo.

PRECIPITATION.

The average precipitation for the district was 0.28 inch, which is about 0.61 inch below the normal. Over immense areas little or no moisture fell during the entire month. The heaviest amounts fell in the southern portion of the Utah area, but only at one station was an amount above normal recorded. In Nevada the average precipitation for August was the lowest since 1892.

What rain fell occurred at irregular intervals, and resulted for the most part from local storms.

No snow fell during this month.

VALUE OF MOUNTAINS TO CLIMATIC SAFETY FOR THE FRUIT GROWER.

By J. CECIL ALTER, Observer.

Located beneath peaks of almost perpetual snow and amidst topographic conditions tending to accentuate the vagaries of a mountain climate, there are in Utah numerous valleys, in the neighborhood of three-quarters of a mile above sea-level, that have climates of rare equability and gentleness; where the summer temperatures partake scarcely at all of the character of those on the unsheltered Great Basin plains, and where the winter cold is crisp but not intense.

Abandoning our old beliefs in a vicious rugged climate born of the snowcapped mountains, we begin to comprehend the fact that mountains, having certain favorable configurations, are actual assets, and not encumbrances, as weather producers and regulators, forming unique protection against the vicissitudes of climate so often found where the elevation tends to expose and not protect.

PROTECTION FROM LATE SPRING FROSTS.

The greatest weather enemy in all fruit districts, east and west, is the late, vagrant spring frost, which occurs under the immense high-air pressures that occasionally form over the United States in the late spring. These untimely frosts kill the fruit buds, after all nature has apparently concluded that spring has safely arrived.

In mountainous districts the maximum action of these frost-producing high-pressure areas is considerably hindered, but it is unmitigated in the Plains States and in the East. The dangerous sap-starting warm periods of winter occur in the mountains from the same sort of low-barometer area as in the Mississippi Valley and in the East, but their advance is greatly retarded and their effect minimized by the high mountain peaks and the general elevation of the land. A winter warm spell of sufficient length to start the sap practically never occurs in the mountain valleys, where a more equable condition of the storm-carrying atmosphere is enforced by the impeding mountains.

TABLE 1.—*Climatological data for August, 1911. District No. 10, Great Basin.*

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahrenheit.							Precipitation, in inches.				Sky.				Prevailing wind direction.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	Number of rainy days, 0.01 inch or more.	Number of clear days.	Number of partly cloudy days.	Number of cloudy days.		
Wyoming.																				
Border	Uinta	6,085	10	59.2[b]	− 1.2	93	17†	25	21	62[b]	0.00	− 1.00	0	0	0	31	0	0	w.	S. W. Condron.
Cokeville	do	6,204	1	56.6[b]		89	16†	23	21	54	0.06		.06	0	1	30	1	0	w.	E. J. Tuckett.
Evanston	do	6,860	14	59.6	− 1.4	88	19	30	26†	48	0.00	− 0.92	0	0	0	31	0	0	sw.	Frank Tucker.
Idaho.																				
Geneva	Bear Lake		3								0.03		0.03	0	1	31	0	0		F. W. Boehme.
Grace	Bannock	5,400	5	64.5		94	19	33	21	51	0.00		0.00	0	0	25	6	0	n.	Harold Cole.
Paris	Bear Lake	5,946	17	60.6	− 2.1	85	9†	28	21	50	0.00	− 0.85	0.00	0	0	21	10	0	w.	John Norton.
Weston	Oneida	4,460	13	64.8	− 2.0	93	19	34	21†	49	0.00	− 1.03	0.00	0	0	31	0	0	sw.	W. T. Chatterton.
Utah.																				
Alpine	Utah	4,900	14								0.00	− 1.43	0.00	0	0	25	5	1		T. F. Carlisle.
Beaver	Beaver	6,000	8	68.6		88	17	48	3†	34	0.84		0.18	0	7	12	19	0	sw.	James Connell.
Black Rock	Millard	4,872	11	69.7		98	17†	41	3†	50	0.46		0.46	0	1	14	16	1		W. D. Livingston.
Burrville	Sevier			62.4		92	3†	35	3†	57	0.62		0.16	0	5					F. R. Curtis.
Castle Rock	Summit	6,244	8								0.00		0.00	0	0	31	0	0	sw.	David Moore.
Cedar City	Iron	5,750	6	72.9		91	17	52	27	31	0.22		0.16	0	3	16	10	5	se.	Parley Dalley.
Center	Toole			67.2[d]		98	17†				0.21		0.21	0	1	27	4	0	n.	L. C. Peterson.
Clarkston	Cache										0.04		0.04	0	1	20	11	0		W. J. Griffiths.
Corinne	Boxelder	4,240	41	76.0	+ 1.6	110	17	40	25†	61	0.00	− 0.57	0.00	0	0	28	2	1		A. C. Murphy.
Deseret	Millard	4,541	17	73.3	+ 2.3	97	17†	45	3†	47	0.12	− 0.37	0.08	0	3	27	2	2	s.	Samuel W. Western.
Enterprise	Washington	4,270	3								T.		T.	0	0	13	18	0	s.	John Day.
Fairfield	Utah	4,866									0.05		0.05	0	1	25	6	0	sw.	W. Harden Ashby.
Farmington	Davis	4,267	11	70.1	− 0.3	97	19	43	25	40	0.00	− 0.96	0.00	0	0	31	0	0	sw.	Charles Boylin.
Fillmore	Millard	5,100	21	76.3	+ 2.0	102	17	47	26	45	0.11	− 0.72	0.04	0	4					J. J. Starley.
Frisco	Beaver	7,318	17	69.5	− 2.2	97	18	40	6†	49	0.18	− 1.00	0.13	0	3					Essen Nordberg.
Garrison	Millard		8	70.8		95	20	43	25	45	T.		T.	0	0	27	2	2	s.	E. M. Smith.
Government Creek	Tooele	5,277	11	71.6	− 0.2	97	17†	42	21	42	0.00	− 1.15	0.00	0	0	27	0	4	s.	Walter James.
Grantsville	do		2								0.00		0.00	0	0	23	7	1	s.	J. C. Woodmansee.
Grouse Creek	Boxelder										0.00		0.00	0	0	22	8	1	nw.	Philip Paskett.
Heber	Wasatch	5,606	18	63.0	− 1.7	94	19	30	25	53	0.15	− 0.82	0.05	0	3	30	1	0	s.	John Crook.
Henefer	Summit	5,301	12	62.1	− 1.9	94	18	29	25†	58	0.31	− 0.83	0.20	0	1	19	12	0	nw.	William Brewer.
Hooper	Weber	4,436									0.00		0.00	0	0					T. M. Jones, jr.
Ibapah (near)	Tooele	7,500	6	65.8		88	17†	37	5	41	0.10		0.10	0	1	27	4	0		J. S. Lawton.
International	do	5,370									T.		T.	0	0	28	3	0	se.	I. S. R. Co.
Josepa	do			76.5		102	9	42	25	49	T.		T.	0	0	18	10	3	s.	George K. Hubbell.
Joy	Juab			71.7		96	17	40	5	50	T.		T.	0	0	19	12	0	s.	Samuel Hagans.
Kanosh	Millard	5,250	3								0.26		0.12	0	3					George Crane.
Kelton	Boxelder	4,230	33	68.2	− 6.4	92	6†	38	21	44	0.00	− 0.20	0.00	0	0	21	10	0	s.	F. W. Klock.
Lemay	do			81.9		98	19	55	29	31	0.00		0.00	0	0	20	11	0	w.	Agent S. P. Co.
Levan	Juab	5,010	21	70.6	+ 0.8	98	19	44	25	44	0.10	− 0.83	0.07	0	3	24	4	3	sw.	William Brown.
Logan	Cache	4,507	20	69.2	− 1.4	90	17†	46	21†	34	0.00	− 0.80	0.00	0	0					Utah Exp. Station.
Low	Tooele			77.4		99	19	46	31	44	0.00		0.00	0	0	29	2	0	s.	T. G. Morris.
Lucin	Boxelder	4,504	7	71.5		99	9	41	7†	58	T.		T.	0	0	28	2	1		C. J. Burke.
Lund	Iron	5,086		70.6[d]		96	17†	45	26	47[d]	0.16		0.16	0	1	8[e]	18[e]	2[e]	sw.	Job F. Hall.
Manti	Sanpete	5,575	17	67.4		95	17	39	3†	44	0.19		0.06	0	4	14	3	14		J. M. Anderson.
Maple Creek	Utah										0.23		0.23	0	1	21	10	0		Lewis W. Gillilan.
Marion	Summit	6,750	7								0.14		0.08	0	4	11	12	8	s.	James Woolstenhulme.
Marysvale	Piute	6,180	12	65.8	+ 0.6	91	17†	40	3†	45	0.79	− 0.94	0.32	0	8	8	11	12	sw.	John W. Henry.
Meadowville	Rich	6,200	12	62.4	− 1.5	91	17	33	21	49	T.	− 1.07	T.	0	0	30	1	0	w.	J. S. Moffat.
Mercur	Tooele										0.12		0.07	0	2	7	24	0	nw.	T. H. Franklin.
Midlake	Boxelder			76.2		88	17	64	24	16	0.00		0.00	0	0	31	0	0		Agent S. P. Co.
Milford	Beaver	4,962	7																	H. F. Aller.
Millville	Cache	4,848	16								0.05	− 0.88	0.05	0	1	22	9	0	sw.	Fred Yeates.
Minersville	Beaver	5,070	14								0.03	− 0.89	0.02	0	2					George Roberts, sr.
Modena	Iron	5,479	11	69.6	+ 1.0	91	18	44	25	42	0.52	− 1.31	0.44	0	2	19	12	0	sw.	U. S. Weather Bureau.
Morgan	Morgan	5,068	8																	W. Visick.
Moroni	Sanpete	5,519	3	69.4		91	17†	46	25†	37	0.14		0.10	0	2	16	9	6	sw.	B. F. Ellason.
Mosida	Utah										0.26		0.26	0	1	23	8	0	ne.	Roy P. Curtis.
Mount Nebo	do	4,650	10	76.2	+ 2.9	98	19	51	2	38	T.	− 0.45	T.	0	0	24	7	0	s.	D. C. Walkey.
Nephi (near)	Juab		8								0.28		0.28	0	1					S. Boswell.
Newcastle	Iron																			T. W. Jones.
Oak City	Millard	4,900	7																	Peter Nielson.
Ogden	Weber	4,310	10	71.2	− 5.5	98	14	36	24	41	0.35	− 0.22	0.35	0	1	22	8	1	s.	A. Van De Graff.
Park City	Summit	7,800	14	64.2	+ 2.1	90	17	35	21†	48	0.15	− 0.76	0.10	0	2	20	7	4		Gertrude Evans.
Park Valley	Boxelder										0.00		0.00	0	0	26	5	0	nw.	Thomas Stirland.
Parowan	Iron	5,970	20	68.2	− 1.2	90	20†	43	9	40	0.22	−1.07	0.12	0	2	20	0	11		Scott Matheson.
Payson	Utah	4,637	8								0.50		0.40	0	2	21	8	2	nw.	D. L. Coombs.
Pelican Point	do	4,600									0.24		0.24	0	1	26	5	0		B. M. Mendenhall.
Pine Cliff Ranch	Summit										0.15		0.07	0	3					L. E. Leavitt.
Pinto	Washington	5,907	15	63.6	− 1.2	87	18†	38	24	44	1.84	− 0.09	0.73	0	3	15	13	3	s.	J. H. Harrison.
Promontory	Boxelder	4,913	40								T.	− 0.34	T.	0	0					F. C. Houghton.
Provo	Utah	4,532	23	68.6	− 2.1	98	17†	36	25	54	0.05	− 0.50	0.05	0	1	10	21	0	n.	James A. Oliver.
Randolph	Rich	6,442	9								0.10		0.10	0	1	25	2	4	sw.	William Rex.
Revier	Salt Lake										T.		T.	0	0					E. L. Terry.
Richfield	Sevier	5,350	21	67.6	− 1.7	95	7†	44	4†	51	0.75	+ 0.08	0.45	0	2	1	6	4		Joseph J. Jensen.
Saltair	Salt Lake	4,220	9	74.4[a]		89	9†	52	25	27	0.00		0.00	0	0					E. J. Bench.
Salt Lake City	do	4,360	38	74.8	− 0.7	96	18	52	25	33	0.05	− 0.73	0.04	0	2	24	7	0	se.	U. S. Weather Bureau.
Scipio	Millard	5,260	18	67.7	− 0.9	94	17†	34	25	53	0.29	− 0.74	0.12	0	3	18	5	8	sw.	Thomas Memmott.
Silver City	Juab	6,127	2								0.00		0.00	0	0	25	6	0	sw.	J. L. Stark.
Spanish Fork	Utah	4,585	2	74.8		101	17†	47	3	43	0.05		0.05	0	1	20	10	1		W. P. Shippee.
Strawberry Tunnel	do	7,650	6	61.7		88	19	35	25	42	1.56		0.83	0	5	17	13	1		F. W. Cater.
Thistle	do	5,075	20	65.4	− 4.2	104	19	29	29	60	T.	− 1.02	T.	0	0	11	19	1	sw.	John Thorgeirson.
Tooele	Tooele	4,900	16	73.8	+ 1.1	99	16†	50	21†	42	0.06	0.87	0.06	0	1	10	13	8	ne.	E. A. Bonelli.
Utah Lake Pumping Station.	Utah	4,500	7																	W. A. Knight.
Vernon	Tooele										T.		T.	0	0	25	6	0	sw.	Glynn Bennion.
Wendover	do			83.6		101	18	55	28†	39	0.00		0.00	0	0	26	3	2	w.	J. S. Cooper.
Whisky Creek	Millard										0.18		0.18	0	1					T. B. Perkins.
Woodruff	Rich	6,500	13	58.4	− 2.0	90	18†	24	30	60	0.00	− 0.46	0.00	0	0	23	7	1	sw.	J. Sidney Pusey.
Oregon.																				
Burns	Harney	4,157	20																	J. C. Welcome, jr.
Cliff	Lake	4,300	4	57.0		90	30	24	20	58	0.18		0.15	0	2	20	9	2	n.	John C. Green.
Paisley	do	4,500	8																	E. C. Woodward.
Silver Lake	do	4,700	14	61.0	+ 0.1	91	9†	31	5†	53	T.	− 0.32	T.	0	0	11	19	1	nw.	L. W. Charles.

TABLE 1.—*Climatological data for August, 1911. District No. 10*—Continued.

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.		
California.																				
Glen Alpine	Eldorado	6,850	1	.....	.....	.....	.....	.....	.....	.....	0.00	.....	0.00	0	0	24	7	0	s.	Carl Fluegge.
Tahoe	Placer	6,240	1	54.9	.....	78	31	33	20†	41	0.00	.....	0.00	0	0	31	0	0	w.	R. M. Watson.
Truckee	Nevada	5,819	40	65.6	+ 2.2	85	29	38	20†	42	0.60	− 0.08	0.00	0	0	8	23	0	.....	Southern Pacific Co.
Nevada.																				
Austin	Lander	6,594	22	67.2	− 1.1	89	4	41	23	47	0.05	− 0.59	0.05	0	1	30	0	1	nw.	F. O. Booe.
Battle Mountain	do	4,843	40	.....	.....	.....	.....	.....	.....	.....	0.00	− 0.10	0.00	0	0	31	0	0	sw.	Southern Pacific Co.
Beowawe	Eureka	4,905	40	66.0	− 9.1	95	6†	37	12	54	0.00	− 0.14	0.00	0	0	31	0	0	n.	Do.
Carlin	Elko	5,232	40	65.4	− 3.7	101	29	30	19†	65	0.00	− 0.14	0.00	0	0	31	0	0	.....	Do.
Carson Dam	Churchill	4,032	4	71.1	.....	99	16	43	20	44	0.00	.....	0.00	0	0	29	2	0	w.	U. S. Reclamation Service.
Cherry Creek	White Pine	6,450	3	68.1	.....	94	18†	42	26	45	0.00	.....	0.00	0	0	24	7	0	w.	J. H. Leishman.
Clover Valley	Elko	6,000	11	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	I. F. Wiseman.
Cobre	do	.....	2	.....	.....	.....	.....	27	28	.....	0.00	.....	0.00	0	0	30	0	1	sw.	Southern Pacific Co.
Columbia	Esmeralda	5,750	4	72.3	.....	97	19	50	23†	41	0.00	.....	0.00	0	0	31	0	0	se.	A. Booth.
Dutton	Elko	5,100	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Golconda Cattle Co.
Elko	do	5,342	40	62.7	− 5.4	96	12	30	25	61	T.	− 0.31	T.	0	0	.....	.....	.....	w.	E. J. Clark.
Ely	White Pine	6,421	20	67.5	+ 2.9	93	20	41	25	47	0.00	− 1.07	0.00	0	0	28	3	0	w.	G. C. Hunting.
Eureka	Eureka	6,500	8	68.0	.....	93	19	40	24	46	0.00	.....	0.00	0	0	26	4	1	s.	Clay Simms.
Fallon	Churchill	3,965	6	69.4	.....	96	27	42	21	47	0.00	.....	0.00	0	0	30	1	0	ne.	U. S. Experiment Station.
Fernley	Lyon	4,200	38	71.2	− 4.0	98	30	39	15	50	0.00	− 0.27	0.00	0	0	31	0	0	.....	Mrs. G. A. Steele.
Gardnerville	Douglas	4,830	11	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Wm. Dangberg.
Geyser	Lincoln	.....	7	63.4	.....	91	14	36	3	50	T.	.....	T.	0	0	18	12	1	s.	Mrs. J. F. Wamboldt.
Glenbrook	Douglas	.....	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	C. C. Henningsen.
Golconda	Humboldt	4,697	32	61.2	−11.4	90	1†	41	21†	46	0.00	− 0.12	0.00	0	0	28	3	0	nw.	Southern Pacific Co.
Halleck	Elko	5,631	18	61.8	− 5.1	95	17	28	24	63	0.00	− 0.20	0.00	0	0	31	0	0	.....	Do.
Jean	Clark	2,074	3	.....	.....	105	17†	.....	.....	.....	0.00	.....	0.00	0	0	31	0	0	sw.	Salt Lake Route.
Lahontan	Churchill	.....	0	76.2	.....	97	30	52	15	41	0.00	.....	0.00	0	0	28	3	0	w.	U. S. Reclamation Service.
Lewers's ranch	Washoe	5,500	23	64.2	− 3.9	90	27†	39	20	45	0.00	− 0.43	0.00	0	0	27	4	0	.....	Ross Lewers.
Lovelocks	Humboldt	3,977	17	65.1	−10.5	90	29	38	20	48	0.00	− 0.03	0.00	0	0	31	0	0	s.	C. H. Allender.
Millett	Nye	.....	3	64.2	.....	94	19	35	22	55	0.00	.....	0.00	0	0	28	3	0	s.	Fred J. Jones.
Mina	Mineral	4,600	4	75.0	.....	102	19	51	3†	47	0.00	.....	0.00	0	0	29	1	1	s.	Southern Pacific Co.
Potts	Nye	6,990	18	61.6	− 6.2	89	19	32	15†	54	0.00	− 0.66	0.00	0	0	18	10	3	s.	Miss Mamie Potts.
Quinn River ranch	Humboldt	4,850	9	65.2	.....	98	30	33	16†	60	T.	.....	T.	0	0	28	2	1	sw.	F. M. Payne.
Reno	Washoe	4,532	40	67.6	+ 0.6	93	29	42	20	45	T.	− 0.25	T.	0	0	31	0	0	w.	U. S. Weather Bureau.
Soda Lake	Churchill	4,534	4	70.7	.....	92	30	45	15	39	0.00	.....	0.00	0	0	28	3	0	nw.	U. S. Reclamation Service.
Tecoma	Elko	4,812	33	64.4	− 8.4	98	30	32	27	63	T.	− 0.25	T.	0	0	7	18	6	w.	Southern Pacific Co.
Tonopah	Nye	6,090	6	72.5	.....	92	19	55	2	28	0.00	.....	0.00	0	0	31	0	0	se.	U. S. Weather Bureau.
Wabuska	Lyon	4,347	8	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Vic Bernard.
Wells	Elko	5,631	39	65.1	− 3.5	92	31	33	9	51	0.00	− 0.15	0.00	0	0	16	14	1	.....	Southern Pacific Co.
Winnemucca	Humboldt	4,432	32	66.7	− 4.1	93	30	40	20	51	0.01	− 0.16	0.01	0	1	28	2	1	sw.	U. S. Weather Bureau.

[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.
T. Precipitation is less than 0.01 inch rain or melted snow.

TABLE 2.—*Daily precipitation for August, 1911. District No. 10, Great Basin.*

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	
Wyoming.																																	
Border	Bear																																0.00
Cokeville	do						.06																										0.06
Evanston	do																																0.00
Idaho.																																	
Geneva	Bear						.03																										0.03
Grace	do																																0.00
Paris	do																																0.00
Weston	do																																0.00
Utah.																																	
Alpine	Great Salt Lake.																																0.00
Beaver	Sevier Lake.										T.		.13	.15	.01		.16		.06	.15	T.	T.	.18					T.	T.				0.84
Blackrock	do										T.			T.								T.	.46										0.46
Burrville	do														.10						.10	.11	.15	.16									0.62
Castle Rock	Great Salt Lake.																																0.00
Cedar City	Desert																											.16	.03	.03			0.22
Center	do																			.21													0.21
Clarkston	Great Salt Lake.					.04																											0.04
Corinne	do																																0.00
Deseret	Sevier Lake.															T.				.02		.08	.02										0.12
Enterprise	Great Salt Lake.																											T.	T.	T.			T.
Fairfield	do					T.											T.				.05												0.05
Farmington	do																																0.00
Fillmore	Sevier Lake.														.02	.04			T.	.04	T.	T.	T.						.01			T.	0.11
Frisco	Desert																						.13						.04			.01	0.18
Garrison	do										T.																		T.				T.
Government Creek	do																																0.00
Grantsville	Great Salt Lake.																																0.00
Grouse Creek	Desert																																0.00
Heber	Great Salt Lake.						.05													.05				.05									0.15
Henefer	do		T.				.11									T.					.20												0.31
Hooper	do																																0.00
Ibapah (near)	Desert																					T.				.10						T.	0.10
Ibex	do																																
International	Great Salt Lake.																			T.													T.
Iosepa	Desert			T.																		T.											T.
Joy	do													T.						T.									T.			T.	T.
Kanosh	Sevier Lake.															.08						.12	.06										0.26
Kelton	Great Salt Lake.																																0.00
Lemay	Desert																																0.00
Levan	Sevier Lake.											T.		.02		.07			.01	T.									T.				0.10
Logan	Great Salt Lake.																																0.00
Low	do																																0.00
Lucin	Desert					T.																											T.
Lund	do																											T.	.16				0.16
Manti	Sevier Lake											T.	.05		.02	.06							.06										0.19
Maple Creek	Great Salt Lake.											T.			T.					(*)	.23	T.											0.23
Marion	do						.02					T.			T.						.03		.01									.08	0.14
Marysvale	Sevier Lake.												.06			T.	.01		.01	.31			.32	.01				.01	.06				0.79
Meadowville	Great Salt Lake.					T.																											T.
Mercur	do																				.07								.05				0.12
Midlake	do																																0.00
Milford	Sevier Lake.																																
Millville	Gr. S. Lake.						.05																										0.05
Minersville	Sevier Lake.								.01	T.	T.																		.02	T.			0.03
Modena	Desert																					T.					T.	.44	.08			T.	0.52
Morgan	Gr. S. Lake.																																
Moroni	Sevier Lake.											.10			T.				T.	.04			T.						T.				0.14
Mosida	Gr. S. Lake.															.26								T.									0.26
Mount Nebo	do															T.							T.						T.				T.
Nephi (near)	do															.28						T.											0.28
Newcastle	Desert																																
Oak City	Sevier Lake.																																
Ogden	Gr. S. Lake.																								.35								0.35
Park City	do																			.10		.05											0.15
Park Valley	Desert																																0.00
Parowan	do										.12											.10											0.22
Payson	Gr. S. Lake.							T.					T.							T.	.10		T.	.40									0.50
Pelican Point	do															.24																	0.24
Pine Cliff Ranch	do				.04							.04										.07											0.15
Pinto	Desert																										.73	.41	.70				1.84
Promontory	Gr. S. Lake.												T.																				T.
Provo	do																T.				.05												0.05
Randolph	do					.10	T.																			T.	T.						0.10
Revier	do					T.														T.													T.
Richfield	Sevier Lake.																			T.	.30	T.	.45										0.75
Saltair	Gr. S. Lake.																																0.00
Salt Lake City	do					.04										.01				T.													0.05
San Rafael	do																																
Scipio	Desert											T.		.06		.11				.12			T.						T.			T.	0.29
Silver City	do																																0.00
Spanish Fork	Gr. S. Lake.															.05				T.													0.05
Strawberry Tunnel	do										T.	.83	.14	T.	T.	.04	T.			.54	.01		T.									T.	1.56
Thistle	do											T.	T.			T.	T.	T.	T.	T.	T.		T.	T.									T.
Tooele	do						T.								T.					.06			T.										0.06
Utah Pumping Sta.	do																																
Vernon	do					T.										T.																	T.
Wendover	do																																0.00
Whiskey Creek	Desert															T.					.18	T.											0.18
Woodruff	Gr. S. Lake.																																0.00

TABLE 2.—*Daily precipitation for August, 1911. District No. 10*—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	
Oregon.																																	
Adel	SE. drainage																																
Ana River	do																																0.00
Bear Valley	do																																0.00
Burns	do																																
Burns Mill	do																																0.00
Christmas Lake	do																																
Cliff	do					.15									.03																		0.18
Diamond	do																																0.00
Embody	do				T.										T.																		T.
Fort Rock	do				.05										T.																		0.05
Paisley	do																																
Seneca	do																																
Valley Falls	do																																0.00
California.																																	
Bijou	Truckee																																
Boca	do																																0.00
Deer Park	do																																0.00
Glen Alpine	do																																0.00
Hobart Mills	do																																0.00
Lundy	East Walker																											.15					0.15
McKinney	Truckee																																
Markleeville	East Carson																									T.	T.			T.			T.
Shields' Ranch	East Walker																											T.					T.
Silver Creek	East Carson																								T.		.02				T.		0.02
Tahoe	Truckee																																0.00
Tallac	do																																0.00
Truckee	do																																0.00
Woodfords	West Carson																																
Nevada.																																	
Arthur	Humboldt																																0.00
Austin	Reese															.05																	0.05
Battle Mountain	Humboldt																																0.00
Beowawe	do																																0.00
Bishop	do																																
Carlin	do																																0.00
Carson Dam	Carson																																0.00
Cherry Creek	Humboldt																																0.00
Clover Valley	do																																
Cobre	do																																0.00
Columbia	Desert																																0.00
Dry Farm	Humboldt																																
Dutton	do																																
Elko	do																												T.				T.
Ely	do																																0.00
Eureka	do																																0.00
Fallon	Carson																																0.00
Fernley	Truckee																																0.00
Gardnerville	Carson																																
Geyser	Humboldt																								T.								T.
Glenbrook	Truckee																																
Golconda	Humboldt																																0.00
Halleck	do																																0.00
Jeán	Desert																																0.00
Lahontan	Carson																																0.00
Leweys' Ranch	Truckee																																0.00
Lovelocks	Humboldt																																0.00
Massacre Lakes	Desert																																
Mill City	Humboldt																																0.00
Millett	Reese																																0.00
Mina	Desert																																0.00
North Fork	Humboldt					T.																											T.
Potts	Reese																																0.00
Quinn River Ranch	Humboldt					T.																											T.
Rebel Creek	do				T.	.23																											0.23
Reno	Truckee																											T.			T.		T.
Rose Creek	Humboldt																																0.00
Skelton	do																																0.00
Smith	West Walker																												T.	T.			T.
Spooner's Ranch	Truckee																																0.00
Soda Lake	Carson																																0.00
Tecoma	Humboldt					T.																											T.
Tonopah	Desert																																0.00
Wabuska	Walker																																
Wells	Humboldt																																0.00
Willow Point	Little Humboldt.																																0.00
Winnemucca	Humboldt					.01																							T.				0.01

* Precipitation included in that of the next measurement.
‡ Separate dates of fall 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 August, 1911. District No. 10, Great Basin.*

Date.	Wyoming.						Utah.																					
	Border.		Evanston.		Weston.		Corinne.		Deseret.		Government Creek.		Ibapah.		Marysvale.		Meadowville.		Modena.		Ogden.		Parowan.		Provo.		Salt Lake 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	83	31	80	40	85	40	102	47	94	57	93	51	75	43	85	43	82	36	88	53	88	51	81	45	95	42	90	62
2	82	47	78	38	77	50	100	58	82	58	83	52	76	44	78	57	72	45	86	55	85	49	84	49	82	55	75	62
3	78	32	73	33	80	41	98	47	88	45	85	48	75	44	82	40	77	38	85	46	84	51	82	49	87	39	84	56
4	80	34	76	42	84	42	95	51	91	58	89	51	76	45	85	51	81	40	85	54	88	53	84	51	90	46	85	65
5	80	36	78	38	83	45	92	48	90	57	93	52	78	37	84	57	81	45	84	51	87	54	83	50	92	54	85	60
6	86	37	75	45	77	46	94	52	85	59	82	47	80	47	82	46	75	46	86	51	91	57	82	50	85	48	79	59
7	85	36	81	40	87	41	96	53	92	48	92	58	81	52	85	41	84	35	86	50	95	60	85	50	94	40	93	60
8	87	35	82	41	88	45	100	68	93	56	93	60	84	48	86	44	85	40	87	52	96	58	85	51	95	46	93	70
9	89	36	83	42	88	45	101	52	92	58	91	60	83	57	84	51	86	41	84	54	93	55	84	43	95	47	93	72
10	88	35	81	38	85	45	98	58	90	60	90	59	82	56	84	49	83	41	84	57	90	52	83	45	92	50	85	67
11	87	36	80	41	86	45	105	53	90	61	89	56	81	54	85	45	85	43	84	50	94	53	84	50	94	50	89	66
12	86	39	79	42	88	51	102	68	91	52	88	53	80	52	85	50	84	44	85	54	95	55	87	61	90	48	88	68
13	86	34	80	40	87	50	100	64	85	56	87	62	81	54	84	46	84	47	83	54	96	57	82	49	92	47	89	65
14	86	31	83	43	88	52	100	65	91	54	90	58	84	57	85	44	87	54	86	52	98	57	82	50	95	47	91	68
15	.....	.....	82	50	88	53	100	63	93	57	93	60	86	57	90	45	86	51	88	54	94	60	87	58	95	48	88	69
16	.....	.....	85	42	90	47	108	58	95	59	94	60	85	56	90	48	87	56	90	51	92	57	86	58	96	50	93	66
17	93	39	87	48	92	50	110	55	97	58	97	64	88	57	91	48	91	57	91	51	92	54	88	58	98	48	94	67
18	92	36	87	43	92	45	106	54	96	60	96	64	88	54	89	54	90	42	91	59	94	58	83	54	98	50	96	73
19	93	41	88	45	93	49	108	58	97	65	97	67	83	53	91	46	90	45	91	60	95	55	89	57	97	55	95	74
20	87	40	84	47	87	47	102	58	95	59	91	63	87	57	87	52	83	52	90	59	97	59	90	57	97	54	86	66
21	87	25	80	33	81	34	107	46	86	59	84	42	81	43	84	54	72	33	87	62	96	60	90	58	88	43	80	55
22	81	31	78	43	85	46	96	53	84	55	84	54	80	45	78	52	80	49	85	58	96	60	82	56	89	52	82	65
23	78	30	75	36	84	38	92	46	88	49	87	49	81	47	82	49	78	39	86	50	90	57	83	53	89	42	81	58
24	74	34	74	32	78	42	89	52	83	60	79	44	84	51	79	45	69	38	83	54	71	36	85	45	83	41	76	56
25	77	26	74	31	80	34	90	40	86	59	84	44	86	56	82	40	76	33	86	44	73	39	86	51	86	36	81	52
26	78	29	75	30	84	40	97	41	88	59	85	49	83	42	81	51	77	45	85	53	77	43	82	53	86	39	82	57
27	79	29	76	34	83	39	95	40	87	59	83	48	80	47	81	46	77	34	84	51	81	48	82	53	86	37	80	56
28	82	30	78	30	85	38	96	43	90	54	86	54	80	46	81	41	83	38	81	52	82	50	80	52	87	38	88	57
29	82	32	78	38	85	44	99	52	88	60	87	56	80	48	81	44	84	44	84	50	83	53	87	49	90	43	86	64
30	86	36	80	39	85	42	98	48	92	45	88	55	80	49	86	41	80	44	87	50	82	56	88	51	93	43	87	62
31	89	35	79	41	91	42	96	46	92	59	88	54	80	57	82	46	81	40	85	54	82	53	86	50	90	46	88	60
Mns.	84.2[b]	34.2[b]	79.6	39.5	85.4	44.1	99.1	52.8	90.0	56.6	88.6	54.7	81.5	50.2	84.2	47.3	81.6	43.1	86.0	53.1	88.9	53.5	84.6	51.8	91.2	45.9	86.5	63.1

Date.	Burns, Oreg.		Nevada.																									
			Elko.		Ely.		Eureka.		Fallon.		Jean.		Lovelocks.		Millett.		Mina.		Quinn River Ranch.		Reno.		Tecoma.		Tonopah.		Winnemucca.	
	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	.....	.....	87	36	85	50	88	48	93	49	101	.....	85	47	87	40	95	59	86	52	84	52	90	46	87	61	87	47
2	.....	.....	84	39	87	54	84	42	86	50	101	.....	83	48	84	46	95	62	85	50	86	49	89	42	81	55	82	48
3	.....	.....	86	36	90	57	88	45	92	50	99	.....	85	45	90	45	94	51	88	50	86	54	86	38	87	63	88	51
4	.....	.....	86	40	86	51	87	48	90	51	98	.....	85	45	86	42	93	61	87	53	83	52	87	41	85	59	85	51
5	.....	.....	84	40	89	54	85	44	88	48	97	.....	83	44	82	40	92	59	79	51	83	50	88	41	81	56	84	49
6	.....	.....	84	35	84	55	85	41	91	48	100	.....	81	42	88	40	92	59	85	36	85	52	90	38	85	58	86	41
7	.....	.....	90	37	81	50	88	51	93	48	102	.....	87	44	89	42	91	56	87	38	86	49	90	37	86	61	88	48
8	.....	.....	89	37	89	52	90	49	90	44	101	.....	85	43	91	39	96	61	86	46	84	48	88	38	87	60	88	50
9	.....	.....	86	33	86	48	88	51	88	49	99	.....	86	42	88	41	93	56	86	55	82	46	95	38	84	61	85	49
10	.....	.....	93	37	88	47	86	45	90	48	98	.....	86	43	86	41	92	59	90	44	87	48	94	36	82	60	90	50
11	.....	.....	95	44	91	50	85	54	89	47	98	.....	84	44	84	40	92	59	84	54	85	44	90	35	82	59	88	47
12	.....	.....	96	36	90	49	85	54	90	44	99	.....	81	42	86	40	92	56	85	40	82	45	85	40	84	61	88	42
13	.....	.....	94	33	90	47	85	51	88	45	98	.....	85	43	84	56	91	56	85	42	82	46	90	35	81	59	87	44
14	.....	.....	94	34	88	44	86	51	88	46	99	.....	80	42	83	39	91	56	81	40	77	47	95	35	82	59	84	44
15	.....	.....	88	34	91	48	87	44	88	45	101	.....	83	41	85	38	91	54	83	34	85	46	95	34	84	58	85	43
16	.....	.....	94	35	89	43	90	46	92	46	104	.....	89	43	89	39	95	58	93	33	90	45	94	35	87	61	92	42
17	.....	.....	94	39	92	45	91	57	93	51	105	.....	87	43	92	39	98	57	87	44	88	51	95	45	89	67	92	42
18	.....	.....	93	36	90	46	92	57	93	46	105	.....	86	43	92	40	100	59	87	39	88	47	97	40	90	64	92	41
19	.....	.....	92	35	87	47	93	57	93	46	104	.....	89	41	94	39	102	56	87	36	84	52	95	35	92	65	88	41
20	.....	.....	88	32	93	52	92	46	85	43	103	.....	83	38	91	40	99	52	88	33	85	42	90	38	88	60	82	40
21	.....	.....	86	32	87	46	85	41	89	42	102	.....	84	54	90	40	93	54	87	35	85	45	95	35	85	57	84	45
22	.....	.....	84	33	87	45	85	44	89	44	98	.....	84	41	86	35	91	56	90	34	86	46	90	34	82	60	86	48
23	.....	.....	85	33	84	46	84	43	90	47	100	.....	88	42	86	37	89	51	90	35	87	50	90	35	83	59	88	42
24	.....	.....	82	40	82	44	81	40	88	49	100	.....	87	55	85	40	91	56	89	45	88	50	92	37	84	62	83	50
25	.....	.....	85	30	85	41	86	44	92	47	101	.....	87	45	[illegible]	42	93	54	90	35	91	50	95	35	84	62	88	40
26	.....	.....	87	35	87	45	86	45	92	50	99	.....	87	45	87	37	94	57	91	41	90	52	88	34	84	61	89	41
27	.....	.....	86	33	87	47	85	55	96	49	98	.....	88	46	87	42	94	54	91	37	88	52	90	32	84	61	90	50
28	.....	.....	88	39	85	46	87	53	93	58	99	.....	89	48	86	40	92	58	92	38	90	54	90	35	82	60	92	52
29	.....	.....	91	43	88	46	91	50	94	54	100	.....	90	[illegible]	88	40	94	53	95	52	93	52	95	38	81	58	92	45
30	.....	.....	91	38	80	42	90	54	95	54	102	.....	89	[illegible]	88	45	95	52	98	47	92	54	98	35	85	62	93	48
31	.....	.....	92	50	82	47	90	57	94	51	104	.....	87	44	90	40	96	53	91	45	87	52	88	38	85	64	92	49
Mns.	.....	.....	88.8	36.6	87.1	47.9	87.3	48.6	90.7	48.0	100.5	.....	85.6	44.6	87.5	40.8	93.8	56.3	87.9	42.4	86.1	49.1	91.4	37.3	84.6	60.4	87.7	45.8

[a], [b], [c], etc., indicate respectively, 1, 2, 3, etc., days missing from the record.
§ Data are from standard instruments not supplied by the U. S. Weather Bureau.
§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.