CLIMATOLOGICAL DATA FOR FEBRUARY, 1913.

DISTRICT NO. 10, GREAT BASIN.

ALFRED H. THIESSEN, District Editor.

GENERAL SUMMARY.

February, like the preceding months of this winter was colder than the average for the Great Basin as a whole, and many places reported unusually low temperatures. The precipitation for the district averaged below normal; but in Utah there was more snow as a rule than in the two previous winter months. In spite of the cold weather, there were no reports of stock losses on the ranges, and the month was favorable to the farming interests rather than otherwise.

For the district there was on the average 12 clear days, 8 partly cloudy days, 8 cloudy days, and 4 rainy days.

TEMPERATURE.

The temperature for February averaged 28.2°, which is 1.9° below normal. A study of the temperature charts shows that the warmest weather was in the sheltered valleys of the Utah area, and in west-central and southern portions of Nevada. As a rule the mean monthly temperatures were below normal; there were, however, a few stations in the southern part of the Utah area and in northeastern Nevada that reported monthly temperatures above normal.

The local mean temperatures ranged from 11.2° at Border, Wyo., to 45.6° at Jean, Nev. The station reporting the greatest deficiency was Truckee, Cal., whose mean was 16.4°, or 11.6° below normal; while the greatest excess was 6.6° at Marysvale, Utah, whose mean was 28.6°.

The month began cold in nearly every section of the district, and continued so until about the 14th. In this period the coldest days were the 3d and 4th, and some stations reported their lowest minimum temperatures on those dates. There were a few days during the middle of the month when temperatures ranged above normal, and the highest for the month was recorded generally from the 15th to the 17th. Soon after this warm spell, the weather grew colder culminating in the coldest weather for the month about the 23d, but the lowest temperatures were variously reported as having occurred from the 19th to the 28th.

The following were the highest temperatures that occurred in the various areas of the several States of this district: 48° at Cokeville, Wyo., on the 24th, 53° at Grace, Idaho, on the 5th; 64° at Park City, Utah, on the 2d; 62° at Paisley, Oreg., on the 15th; 52° at Cathedral Park, Cal., on the 15th; and 66° at Jean, Nev., on the 14th.

The lowest temperatures were: −30° at Border, Wyo., on the 21st; −19° at Paris, Idaho, on the 21st; −14° at Meadowville, Utah, on the 20th; −7° at Cliff, Oreg., on the 28th; −8° at Truckee, Cal., on the 28th; and −20° at Geyser, Nev., on the 28th.

PRECIPITATION.

Precipitation for the month averaged 0.90 inch, which is 0.45 inch below normal. Good amounts fell in the Utah area with a few exceptions, but in the remaining portions of the district the amounts were below normal. In the Nevada area the average was only 0.41 inch, or 0.83 inch below normal. This was 0.03 inch below the average of the precipitation in February, 1912; and smaller averages were recorded only three times during the past 25 years. In the Utah area, on the other hand, some very heavy snows occurred. At Salt Lake City 14 inches were recorded on the 18–19th, the largest 48-hour amount on record at that station. Fifteen inches fell at Heber in 24 hours, and 19 inches in 48 hours at Elberta.

The greatest amount of precipitation for the month was 3.52 inches at Elberta, Utah. The greatest 24-hour amount was 1.69 inches on the 25th at the same place. The greatest monthly depth of snow that fell at any station in the district was 34 inches at Thistle, Utah.

SNOWFALL AND WATER SUPPLY.

The large amounts of snow which fell in the Utah area during February insured a good average supply of water for the Great Salt Lake and Sevier Lake watersheds. The snow was reported as having drifted well and packed solidly.

In Nevada the precipitation from September 1st to the last of February was slightly above the 3-year seasonal average in the Humboldt drainage basin; in the Walker and Carson basins, slightly above the 3-year average, although it has been found that the snow at the stations in this basin was as heavy as at the summit, which is very unusual; and in the Truckee drainage basin the precipitation is decidedly below the 3-year average.

TABLE 1.—*Climatological data for February, 1913. District No. 10, Great Basin.*

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.																				
Border	Lincoln	6,085	11	11.2	− 2.3	43	16	− 30	21	48	0.35	− 0.94	0.28	4.4	3	13	3	12	w.	S. W. Condron.
Cokeville	do	6,204	3	16.2		48	24	− 25	20	55	0.44		0.20	7.0	4	19	2	7	w.	E. J. Tuckett.
Evanston	Uinta	6,860	17	17.8	− 2.7	45	17	− 20	21	36	1.40	+ 0.17	0.45	9.5	6	11	11	6	sw.	Frank Tucker.
Idaho.																				
Geneva	Bear Lake	6,171	4								0.56		0.27	7.4	3	17	6	5		F. W. Boehme.
Grace	Bannock	5,400	6	23.4		53	5	− 9	21	44	0.30		0.12		5	13	3	12	s.	E. W. Joy.
Paris	Bear Lake	5,946	18	14.1	− 4.7	42	16	− 19	21	42	0.21	− 0.92	0.13	6.0	2	12	13	3	sw.	John Norton.
Weston	Oneida	4,460	14	24.2	− 2.1	50	16	− 9	2	38	0.56	− 0.67	0.28	7.5	5	12	2	14	n.	Wm. T. Chatterton.
Utah.																				
Alpine	Utah	4,900	14								2.00	+ 0.17	0.60	20.0	5	16	4	8		T. F. Carlisle.
Beaver	Beaver	6,000	9	24.6		56	17	− 3	19	43	0.95		0.41	8.0	6	7	13	8	n.	M. J. Shelton.
Black Rock	Millard	4,872	9	28.3		60	16	− 11	19	50	0.34		0.16	4.0	3	8	11	9		W. D. Livingston.
Burrville	Sevier	6,800	2	23.3		54	14	0	21	37	2.20		0.40		7					F. R. Curtis.
Castle Rock	Summit	6,244	8								1.14		0.30	21.0	8	13	4	11		David Moore.
Cedar City	Iron	5,750	8	32.0		58	16	1	19	33	0.86		0.17	13.0	9	11	6	11	sw.	Parley Dalley.
Center	Tooele	4,250		24.9		53	17	− 5	21	40	1.95		0.70	20.0	5					L. C. Peterson.
Clarkston	Cache	5,930									0.85		0.30		3	10	8	10		W. J. Griffiths.
Corinne	Boxelder	4,240	43	28.0	− 2.0	48	20	2	3	36	0.30	− 0.94	0.20	3.0	2	12	8	8		A. C. Murphy.
Deseret	Millard	4,541	18	29.2	− 2.1	60	6†	4	4†	53	0.49	− 0.37	0.19	11.0	4	15	2	11	n.	S. W. Western.
Elberta	Utah			29.0	− 3.1	57	17	0	21	34	3.52	+ 2.54	1.69	26.0	8	11	8	9	s.	D. C. Walkey.
Enterprise	Washington	5,750	7																	John Day.
Erekson	Tooele	4,850																		N. W. Erekson.
Fairfield	Utah										1.17		1.17		1					Ether Carson.
Farmington	Davis	4,267	12	31.2	− 1.8	45	6†	14	2	25	2.16	− 0.42	0.50	21.6	8	14	5	9	nw.	Charles Boylin.
Fillmore	Millard	5,100	21	35.4	+ 1.4	62	16	8	20	40	1.48	+ 0.04	0.69		7					J. J. Starley.
Garland	Boxelder			26.2		47	5	8	18	30	0.26		0.20	5.0	3	2	15	11	s.	Heber C. Cutler.
Garrison	Millard	4,850	10																	E. M. Smith.
Government Creek	Tooele	5,277	12	27.2	− 3.8	52	16†	− 1	20	29	1.50	+ 0.07	0.56	16.0	6	12	2	14	n.	Walter James.
Granger	Salt Lake	4,560		28.4[e]		55[e]	16	− 4[e]	21	35[e]	2.75		0.70	27.5	6					Geo. E. Greene.
Grantsville	Tooele	4,220	2								1.49		0.76	19.4	7	14	10	4	nw.	J. C. Woodmansee.
Grouse Creek	Boxelder	5,148	5								0.13		0.08	1.8	2	14	3	11	n.	Phillip Paskett.
Heber	Wasatch	5,593	20	20.4	− 3.4	50	17	− 14	21	42	1.68	− 0.43	0.80	30.0	7	15	3	10	s.	John Crook.
Henefer	Summit	5,301	13	23.2	− 3.1	54	17	− 12	21	44	1.42	− 1.00	0.30	14.4	10	11	5	12	nw.	William Brewer.
Hooper	Weber	4,436	2																	T. M. Jones, jr.
Ibapah (near)	Tooele	7,500	9																	J. S. Lawton.
Ibex	Millard	5,250	2	34.4		63	16	11	21	36	0.60		0.40	6.0	7	10	3	15	n.	John J. Watson.
Iosepa	Tooele	4,356	2	29.4		61	17	− 3	20	37	2.51		0.75		5	7	15	6	n.	Geo. K. Hubbell.
Joy	Juab	5,000																		A. M. Laird.
Junction	Piute	6,000									1.46		0.47		4	13	15	0	n.	Joseph Jensen.
Kanosh	Millard	5,250	6								1.32		0.56		5					Geo. Crane.
Kelton	Boxelder	4,230	33	25.2	− 3.4	46	13	5	20†	25	0.12	− 0.51	0.10	1.2	2	16	9	3		F. W. Klock.
Lemay	do	4,221	2	30.4		51	12†	15	21	31	0.00				0	18	3	7		Agent S. P. Co.
Levan	Juab	5,010	23	26.8	− 1.7	52	17	3	3†	34	2.17	+ 0.58	0.92	21.7	7	14	2	12	se.	William Brown.
Logan	Cache	4,507	22	25.7	− 0.5	51	17	2	23	26	0.92	− 0.49	0.37	9.0	6					Utah Exp. Station.
Low	Tooele	4,602		32.8		60	5†	10	20	34	0.62		0.30	15.0	4	16	1	11		Agt. W. P. Ry. Co.
Lucin	Boxelder	4,504	6																	C. C. Herrington.
Lund	Iron	5,086	4																	Job F. Hall.
Manti	Sanpete	5,575	18	27.6	− 0.4	52	17	− 2	3	36	1.30	− 0.10	0.36	9.0	6	7	0	21		J. M. Anderson.
Maple Creek	Utah	4,850									1.52		0.45	16.6	8	12	5	11		Lewis W. Gillilan.
Marion	Summit	6,400	8								1.03		0.32	14.5	6	5	7	16	nw.	Jas. Woolstenhulme.
Marysvale	Piute	6,076	13	28.6	+ 6.6	60	17	0	3	45	0.94	− 1.24	0.25	13.2	10	7	6	15	n.	John W. Henry.
Meadowville	Rich	6,200	12	17.8	− 4.2	52	17	− 14	20	34	0.40	− 1.78	0.20	4.5	4	17	4	7		J. S. Moffat.
Midlake	Boxelder	4,235	2	30.4		40	16	21	21†	12	0.70		0.50	2.5	2	18	5	5		Agent S. P. Co.
Midvale	Salt Lake	4,365		29.9		57	17	− 3	19†	43	1.57		0.70		7	14	4	10	s.	M. J. Joy.
Milford	Beaver	4,962	5																	Agent Salt Lake Route.
Mills	Juab	4,911									0.61		0.38		4					Geo. McCune.
Millville	Cache	4,848	18								0.67	− 0.71	0.19		6	6	14	8	n.	Fred Yeates.
Minersville	Beaver	5,070	9								0.55	− 0.46	0.30	4.0	5	5	18	5	sw.	Geo. Roberts, sr.
Modena	Iron	5,479	12	27.6	− 4.0	57	16	− 13	19	45	1.20	0.00	0.38	15.7	8	16	1	11	w.	U. S. Weather Bureau.
Morgan	Morgan	5,068	8	26.0		58	17	− 1	21	36	0.80		0.31		4					E. C. Kingston.
Moroni	Sanpete	5,519	5	27.2		49	17	3	3†	33	1.41		0.44	20.6	8	13	2	13	w.	B. F. Eliason.
Mosida	Utah	4,510		26.7		49	4†	0	28	33	1.37		1.06	19.5	4	20	8	0		L. B. Curtis.
Nephi (near)	Juab	5,119	8								1.45		1.18		4					S. Boswell.
Newcastle	Iron	5,150	2								0.54		0.16		6					T. W. Jones.
Oak City	Millard	4,900	6	30.6		58	17	1	20	35	0.94		0.33	8.5	5	8	13	7		Peter Nielson.
Ogden	Weber	4,310	42	29.6	− 3.6	52	17†	4	2	28	1.38	− 0.23	0.73	13.0	5	13	4	11	s.	A. Van DeGraaff.
Panguitch	Garfield	6,560		26.2		62	17	− 12	19	52				11.5						Harry L. Strembel.
Park City	Summit	7,800	8	34.1		64	2	− 11	22	63	0.07		0.04		3	7	13	8		Gertrude Evans.
Park Valley	Boxelder	5,200	2								0.18		0.18	1.8	1	6	11	11	w.	A. O. Evans.
Parowan	Iron	5,970	22	29.8	− 1.7	58	17	0	19†	37	1.43	+ 0.06	0.80	15.0	6	9	5	14		Alex. Matheson.
Payson	Utah	4,637	9								1.79		0.80	20.0	5	8	11	9	sw.	D. L. Coombs.
Pelican Point	do	4,600	2																	B. L. Mendenhall.
Pine Cliff Ranch	Summit	8,250	2																	L. E. Leavitt.
Pinto	Washington	5,907	15	26.7	− 3.9	56	16	− 15	18†	44	1.02	− 0.46	0.60		5	13	4	11	n.	J. H. Harrison.
Plentiful	Tooele	4,262																		C. L. Drumm.
Promontory	Boxelder	4,913	34																	F. C. Houghton.
Provo	Utah	4,532	24	28.4	− 3.1	56	17	− 1	3	41	1.70	+ 0.16	1.15	22.0	6	5	19	4	n.	James A. Oliver.
Randolph	Rich	6,442	9																	Wm. Rex.
Revier	Salt Lake	5,006	2								0.94		0.35		5					E. L. Terry.
Richfield	Sevier	5,350	19																	Joseph J. Jensen.
Richmond	Cache	4,529									1.05		0.60	7.9	5	9	6	13		J. R. Thompson.
Saltair	Salt Lake	4,220	9	29.4		45	17	12	21	19	1.24		0.43	16.0	7					E. J. Bench.
Salt Lake City	do	4,360	39	31.8	− 1.1	57	17	12	21	27	1.67	+ 0.29	0.60	23.7	9	13	3	12	nw.	U. S. Weather Bureau.
Scipio	Millard	5,260	18	30.1	− 1.5	61	17	− 4	21	43	2.03	− 0.25	0.91	15.0	8	14	3	11	n.	Thomas Memmott.
Showell	Boxelder	4,650		24.4		50	4	− 1	22	43	0.23		0.07	2.5	4	16	12	0		Richard Ilgner.
Silver City	Juab	6,127	3								2.10		1.15	20.0	6	9	16	3	sw.	J. L. Stark.
Smyths	Beaver																			V. Waddoups.
Soldiers Summit				19.8	− 2.2	45	16†	− 11	21	29	1.30	− 0.42	0.50		3	13	5	10	w.	G. A. Boyd.
Spanish Fork	Utah	4,585	3	28.9		57	17	− 1	21	34	2.25		0.63	25.0	5	6	13	9		U. S. Reclamation Service.
Strawberry Tunnel (w.)	do	7,650	7	20.2		46	16	− 5	21	30	1.96		0.60	30.0	6	14	8	6		Do.
Thistle	do	5,075	19	24.8	− 5.1	48	17	− 8	3	46	3.40	+ 1.73	1.20	34.0	6	9	9	10	w.	John Thorgierson.
Tooele	Tooele	4,900	17	29.4	− 3.4	60	17	4	2	30	1.79	+ 0.47	0.93		7	4	12	12	s.	E. A. Bonelli.

TABLE 1.—*Climatological data for February, 1913. 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.		
Utah—Continued.																				
Utah Lake Pumping Station.	Utah	4,500	8	25.4	.....	52	17	− 2	21	35	2.24	.....	1.20	26.5	7	9	7	12	.....	W. A. Knight.
Vernon	Tooele	5,500	.....	.....	.....	.....	.....	.....	.....	.....	1.63	.....	0.54	18.5	7	8	16	4	nw.	Glynn Bennion.
Wendover	do	4,237	2	30.2	.....	54	4†	13	16	34	0.35	.....	0.20	3.5	2	10	14	4	nw.	J. S. Cooper.
Whiskey Creek	Millard	4,850	2	.....	.....	.....	.....	.....	.....	.....	2.20	.....	0.80	22.0	3	.....	.....	.....	.....	George Stevens.
Woodruff	Rich	6,500	11	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	A. L. Eastman.
Oregon.																				
Burns	Harney	4,157	22	25.8	− 1.2	49	8	0	20	42	0.15	− 1.26	0.15	1.0	1	13	15	0	w.	J. C. Welcome, jr.
Cliff	Lake	4,300	6	28.4	.....	57	16	− 7	28	47	0.13	.....	0.10	3.0	2	8	13	7	n.	John C. Green.
Paisley	do	4,209	10	31.2	.....	62	15	5	22	42	0.18	.....	0.14	3.0	3	12	8	8	.....	C. M. Sain.
Silver Lake	do	4,700	16	28.8	− 2.5	58	15†	− 3	22	37	0.39	− 0.60	0.28	4.0	2	13	11	4	sw.	G. W. Marvin.
California.																				
Cathedral Park	Eldorado	6,400	0	28.4	.....	52	15	9	22	29	1.97	.....	0.70	36.0	8	13	3	12	w.	Carl Fluegge.
Tahoe	Placer	6,240	2	26.4	.....	47	8†	− 2	28	30	0.63	.....	0.33	13.0	3	15	4	9	e.	R. M. Watson.
Truckee	Nevada	5,819	41	16.4	−11.6	32	14†	− 8	28	28	0.90	− 4.10	0.25	9.0	8	18	0	10	.....	Southern Pacific Co.
Nevada.																				
Austin	Lander	6,594	24	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	F. O. Booe.
Battle Mountain	do	4,843	42	31.9	− 0.2	56	8	5	22	47	0.05	− 0.74	0.05	0.5	1	9	14	5	w.	Southern Pacific Co.
Beowawe	Eureka	4,905	42	29.9	− 1.4	58	15	5	2	42	0.50	− 0.25	0.10	5.0	5	8	11	9	s.	Do.
Carlin	Elko	5,232	42	29.6	+ 3.1	58	5†	4	1†	50	T.	− 0.93	T.	T.	0	18	2	8	.....	Do.
Carson Dam	Churchill	4,032	6	33.4	.....	60	14†	5	22	41	0.20	.....	0.20	4.0	1	19	6	3	w.	U. S. Reclamation Service.
Cherry Creek	White Pine	6,450	5	27.3	.....	57	17	− 7	20	33	1.02	.....	0.41	19.2	7	15	7	6	w.	J. H. Leishman.
Clover Valley	Elko	6,000	12	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	I. F. Wiseman.
Columbia	Esmeralda	5,750	6	33.4	.....	62	16	10	20	34	0.58	.....	0.24	10.0	6	17	5	6	se.	A. Booth.
Dry Farm	Elko	5,600	1	27.7	.....	52	16	5	22	28	0.80	.....	0.30	.....	3	.....	.....	.....	.....	Walfrid Sohlman.
Elko	do	5,432	42	28.0	− 0.3	54	16	0	20	38	0.31	− 0.67	0.20	3.0	3	18	5	5	w.	E. J. Clark.
Eureka	Eureka	6,500	15	28.4	− 2.0	57	16	1	22†	36	1.02	− 0.26	0.45	18.0	6	10	5	13	s.	Clay Simms.
Fallon	Churchill	3,965	19	32.6	− 3.5	61	16	3	22	46	0.21	− 0.55	0.18	2.7	2	17	7	4	ne.	U. S. Experiment Station.
Fernley	Lyon	4,200	40	33.2	− 3.8	61	16	4	22	45	0.10	− 0.52	0.10	2.5	1	18	5	5	w.	Mrs. G. A. Steele.
Gardnerville	Douglas	4,930	22	34.0[e]	− 2.4	62[e]	17	9[e]	28	38[e]	0.25	− 1.37	0.15	3.2	3	.....	.....	.....	s.	Forest Service.
Gerlach	Washoe	3,931	0	.....	.....	.....	.....	.....	.....	.....	0.00	.....	0.00	0	0	22	0	6	ne.	Western Pacific Co.
Geyser	Lincoln	6,055	9	21.8	.....	57	17†	− 20	28	56	0.85	.....	.....	8.5	3	9	17	2	n.	Mrs. J. F. Wambolt.
Glenbrook	Douglas	6,240	4	27.8	.....	44	14	10	22	25	0.42	.....	0.30	12.0	3	8	9	11	w.	C. C. Henningsen.
Golconda	Humboldt	4,697	34	31.3	− 2.7	60	16	7	20	42	0.20	− 0.42	0.10	2.0	2	11	13	4	w.	Southern Pacific Co.
Halleck	Elko	5,631	20	27.0	+ 1.0	52	16	− 7	20	47	0.25	− 0.76	0.15	3.5	2	19	5	4	.....	Do.
Hawthorne	Mineral	4,569	19	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	G. B. Stannard.
Jean	Clark	2,074	5	45.6	.....	66	14	26	19	35	0.40	.....	0.25	1.5	2	9	10	9	nw.	Salt Lake Route.
Lahontan	Churchill	4,200	1	36.2	.....	62	16	13	21	32	0.08	.....	0.06	1.0	3	19	6	3	w.	U. S. Reclamation Service.
Lewers Ranch	Washoe	5,500	25	33.3	− 1.0	59	16	6	20†	40	0.90	− 3.16	0.40	9.0	3	15	7	6	.....	Ross Lewers.
Lida	Esmeralda	6,037	0	33.0	.....	57	17	8	28	35	1.66	.....	0.69	12.2	7	12	6	10	nw.	L. F. Detwiler.
Lovelocks	Humboldt	3,977	19	31.8	− 3.7	62	15	2	20†	44	0.04	− 0.47	0.04	0.2	1	16	6	6	ne.	A. P. Tilford.
McDermit	do	4,700	23	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Scott Sterling.
McGill	White Pine	6,338	22	25.7	− 3.0	58	16	− 6	20	41	0.70	− 0.45	0.49	7.0	3	16	8	4	n.	R. E. Middagh.
Millett	Nye	6,002	5	29.4	.....	63	16	1	21	60	0.48	.....	0.33	10.0	2	14	10	4	.....	Fred J. Jones.
Mina	Mineral	4,600	6	33.4	.....	62	13	11	3†	47	0.35	.....	0.20	3.5	2	18	0	10	.....	Southern Pacific Co.
Oasis Ranch	Esmeralda	5,106	0	35.4	.....	61	17	13	23	35	0.87	.....	0.47	7.0	6	16	2	10	nw.	A. S. Patterson.
Potts	Nye	6,990	20	25.8	− 1.3	55	16	− 12	28	41	0.48	− 0.26	0.30	9.5	4	8	8	12	n.	Miss Mamie Potts.
Quinn River Ranch	Humboldt	4,850	11	31.8	− 2.1	59	15	8	28	39	0.12	− 0.66	0.06	.....	3	17	0	11	w.	F. M. Payne.
Rebel Creek	do	.....	1	30.8	.....	56	15†	4	2	35	0.10	.....	0.06	0.9	3	13	7	8	n.	E. J. Hyatt.
Reno	Washoe	4,532	42	34.8	− 0.8	67	16	10	22	35	0.34	− 1.45	0.15	5.6	4	16	7	5	w.	U. S. Weather Bureau.
Soda Lake	Churchill	4,534	6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	U. S. Reclamation Service.
Tecoma	Elko	4,812	35	25.4	− 1.5	56	12†	− 16	21	66	0.03	− 0.51	0.02	1.3	2	9	13	6	w.	Southern Pacific Co.
Tonopah	Nye	6,090	8	32.0	.....	55	16	7	20	28	0.76	.....	0.32	7.1	6	13	11	4	se.	U. S. Weather Bureau.
Wabuska	Lyon	4,347	8	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	J. G. Young.
Wells	Elko	5,631	41	27.4	+ 1.9	50	16	− 8	19	32	0.35	− 0.89	0.15	9.0	3	13	10	5	.....	Southern Pacific Co.
Winnemucca	Humboldt	4,432	34	31.6	− 1.7	61	16	6	22	41	0.15	− 0.78	0.11	1.9	4	12	9	7	ne.	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 February, 1913. 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	
Wyoming.																														
Border	Bear				.02															.28					.05		T.			0.35
Cokeville	do	.05		T.	T.						T.							T.	.13	.20				T.	T.			T.	.06	0.44
Evanston	do	T.	.07								T.								.45	.44				T.	T.	.22	.17	.05	T.	1.40
Idaho.																														
Geneva	Bear	.23																		.27					.06					0.56
Grace	do				T.						.05								T.	T.				T.	.12	.05	T.	.07	.01	0.30
Paris	do			.08																.13										0.21
Weston	do	.05																.05		.28					.10			.08		0.56
Utah.																														
Alpine	G. S. Lake																		.10	.50					.60	.60		.20		2.00
Beaver	Sevier Lake	T.							.28									.04				T.	.05		.04	.41	.13			0.95
Black Rock	do																		.16							.08	T.	.10		0.34
Burrville	do	.20						.10										.20					.60		.30	.40	.40			2.20
Castle Rock	G. S. Lake	.02									T.								.30	.15			.02		.10	.15	.20		.20	1.14
Cedar City	Desert		.16						.01			.02								.17	.05		T.			.13	.11	.15	.06	0.86
Center	do																		.25			T.			.30	.70	.60	.10		1.95
Clarkston	G. S. Lake	.25																		.30					.30					0.85
Corinne	do	.20																				T.			T.		.10		T.	0.30
Deseret	Sevier Lake	.10																							.19	.09	.11			0.49
Elberta	G. S. Lake	.02	.04								.01								.52					.01	1.20	1.69	.03			3.52
Enterprise	do																													
Erekson	Desert																													
Fairfield	G. S. Lake																										1.17			1.17
Farmington	do	.25									T.							T.	.40	.20			T.	.10	T.	.30	.50	.31	.10	2.16
Fillmore	Sevier Lake		.06							.10									.69	T.	T.		T.		.19	.12	.22	.10		1.48
Garland	do																	.03	.03							.20				0.26
Garrison	do																													
Government Creek	do																		.56	.21					.10	.20	.30	.13		1.50
Granger	do	.35																	.70	.60						.40	.40	.30		2.75
Grantsville	G. S. Lake	.07	.02																.76	.25						.14	.23	.02		1.49
Grouse Creek	Desert	T.		.08															T.			T.			.05		T.			0.13
Heber	G. S. Lake	.20	T.	T.							T.								.10	.08	T.	T.	T.	.20	T.	.80	.20	T.	.10	1.68
Henefer	do	.10	.19								.02								.30	.05			T.		.02	.30	.25	.09	.10	1.42
Hooper	do																													
Ibapah (near)	Desert																													
Ibex	do		T.																.17			T.		T.	T.	.40	.03			0.60
Iosepa	do	T.	T.								T.								.75	.40			T.		T.	.59	.60	.17		2.51
Joy	do																													
Junction	Sevier Lake		.21					T.			T.								T.					T.	.32	T.	.47	.46		1.46
Kanosh	do		.20																.56						.15		.22	.19		1.32
Kelton	G. S. Lake																			.10					.02					0.12
Lemay	Desert																													
Levan	Sevier Lake	.08	T.						T.										.41	.02			.10			.92	.42	.22		2.17
Logan	G. S. Lake	.05									.01							.37	.21					.09			.19			0.92
Low	do																		T.		.10			.02		.20	.30			0.62
Lucin	Desert																													
Lund	do																													
Manti	Sevier Lake	T.	.11						T.										.36						.32	.26	.06	.19		1.30
Maple Creek	G. S. Lake	.20	.03						T.	T.									.45	.05			T.	T.	.07	.38	.24	.10		1.52
Marion	do	.07	.04						T.										.32	.14			T.	T.	T.	.32	.14	T.	T.	1.03
Marysvale	Sevier Lake		.06						.09	.02		.02							.01	T.	T.	T.	.04	T.	.17	.22	.25	.06		0.94
Meadowville	G. S. Lake	.20																	.10	.05							.05			0.40
Midlake	do																		T.	T.			.50			.20				0.70
Midvale	do	.06																.70	.15						.45	.03	.17	.01		1.57
Milford	Sevier Lake																													
Millville	G. S. Lake	.10		T.							T.							.19		.09			T.	.02			.12	.15		0.67
Mills	Sevier Lake																		.05						.38	T.	.08	.10		0.61
Minersville	do		.01																.30							.08	.12	.04		0.55
Modena	Desert		.04					T.	.16			T.							.38			.01	.05	T.	.09	.31	.16			1.20
Morgan	G. S. Lake	.09																	.31							.16	.24			0.80
Moroni	Sevier Lake	.13	T.						.04		T.	T.							.12		T.	T.	T.	.04	.42	.44	.17	.05	T.	1.41
Mosida	G. S. Lake	.05																.08								1.06	.18			1.37
Nephi [near]	do			.06															.12		.09				1.18					1.45
Newcastle	Desert		.01						.14										.08			.03				.12	.16			0.54
Oak City	Sevier Lake		.05																						.27	.33	.07	.22		0.94
Ogden	G. S. Lake	.12									T.							.43					T.		T.	.06	.73	.04		1.38
Panguitch	Desert		.03						.02										.05							.04	.03	.05		0.22
Park City	G. S. Lake	.01																							.02	.04				0.07
Park Valley	Desert																										.18			0.18
Parowan	do		.16					.07	.08	T.	T.	T.								.80		.02	T.	T.	T.	T.	.30			1.43
Payson	G. S. Lake										T.								.50						.23	.80	.20	.06		1.79
Pelican Point	do																													
Pine Cliff Ranch	do																													
Pinto	Desert			.07				.10											.22		.03						.60	T.		1.02
Plentiful	G. S. Lake																													
Promontory	do																													
Provo	do	.25																	*	*					*	1.15	.30			1.70
Randolph	do																													
Revier	do																		.25	.04					.28	T.	.35	.02		0.94
Richfield	Sevier Lake																													
Richmond	G. S. Lake	T.		T.														.60	.26				T.	.07	T.		.11	.01	T.	1.05
Saltair	do	.08	.16																.43	.12						.23	.16	.06		1.24
Salt Lake City	do	.02	.02								T.							.35	.51	.20			T.		.16	.17	.18	.06	T.	1.67
Scipio	Desert	.02	.03								T.								.27				T.	.08	.33	.91	.12	.27		2.03
Showell	do	.07																		.05					.06		.05			0.23
Silver City	do																			.04			.11		.60	1.15	.18	.02		2.10
Soldier Summit	G. S. Lake								T.											.50		T.		T.	T.	.50	T.	.30		1.30
Spanish Fork	do	.36																	.50						T.	.63	.40	.36		2.25
Strawberry Tunnel (w.)	do	.40																	.28	.13					.32	.60	.23			1.96
Thistle	G. S. Lake	.30	.30						T.		T.								.40							1.20	.60	.60		3.40
Tooele	do	.06	.06															T.	.93	.13		T.	T.		T.	.30	.25	.06		1.79
Utah Lake Pumping Station.	do		.39								.02								.26	.09						1.20	.25	.03		2.24
Vernon	Desert	T.	.12								T.								.54	T.	T.	.08	T.		.24	.43	.12	.10		1.63
Wendover	do																									.15	.20			0.35
Whiskey Creek	do									.70																.80		.70		2.20
Winder	Sevier Lake																													
Woodruff	G. S. Lake																													

TABLE 2.—*Daily precipitation for February, 1913. 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	
Oregon.																														
Ana River	S. E. Drainage																				T.	.05			.10		.02			0.17
Bear Valley	do	T.												.10													.07	.10		0.27
Burns	do																									.15	T.			0.15
Burns Mill	do																													
Christmas Lake	do																													
Cliff	do																										.03	.10		0.13
Diamond	do																													
Embody	do																	T.	.09	.07			.06	.09			.14			0.45
Fort Rock	do																	T.	T.		.05				.02		T.			0.07
Paisley	do																		T.			.02	.14		T.		.02			0.18
Seneca	do			.06	.02											.10	.12		.10		.10				.06	.06		.06		0.68
Silver Lake	do																				.28						.11			0.39
Valley Falls	do																		.01	.02	.02	.04								0.09
California.																														
Bijou	Truckee																			.20	.15	.09				.30	.06			0.80
Boca	do																		.10	.10	.10	.10	.10		.10	.10		.40		1.10
Bridgeport	East Walker																		T.	.08	T.	.06	.07	.22	.11			.02		0.56
Cathedral Park	Truckee																	.11	.16		.09	.70		.24	.16		.23	.28		1.97
Deer Park	do																													
Hobart Mills	do																		.04		.05	.04			.03		.25	.05		0.46
Lundy	East Walker								.95										.40		.50				.95	.35				3.15
McKinney	Truckee																	T.	.05		T.	.35			.12	.07	.07	.17		0.83
Markleeville	East Carson																			.35		.81			.09	.30		.10		1.65
Shields Ranch	East Walker																			.13	.03	.40				.25		.05		0.86
Silver Creek	East Carson								.09											.34	.10	.71			.17	.18		.08		1.67
Tahoe	Truckee																		T.	T.	T.	.33			.15		T.	.15		0.63
Tallac	do																	T.	T.	.10		.45			.15	.20	.10	.35		1.35
Truckee	do																	.10	.05		.10	.25	.10	T.	.10	.10	.10	T.		0.90
Woodfords	West Carson																		.40		T.	.25	T.	.12	T.	T.	.11			0.88
Nevada.																														
Arthur	Humboldt																		T.	T.						*	*	1.04		1.04
Austin	Reese																													
Battle Mountain	Humboldt																											.05		0.05
Beowawe	do	.10																T.		.10				.10		T.	.10	.10		0.50
Carlin	do	T.																T.	T.		T.			T.	T.	T.	T.	T.		T.
Carson Dam	Carson																					.20								0.20
Cherry Creek	Humboldt	T.																*	.09	.06		.08	.09		.23	.41	.06			1.02
Clover Valley	do																													
Columbia	Desert								.13	.05												T.	.24		.02	.13	.01			0.58
Dry Farm	Humboldt																			.30					.30		.20			0.80
Elko	do																	T.	.01				T.		.10		.20			0.31
Eureka	do	.10																.06	.04		T.	.07			.45		.30			1.02
Fallon	Carson																			T.		.18				.03				0.21
Fernley	Truckee																		T.		T.	.10						T.		0.10
Gardnerville	Carson																		T.	T.	.02	.08				T.	.15			0.25
Gerlach	Desert																													0.00
Geyser	Humboldt																	.25							*	.60				0.85
Glenbrook	Truckee																		.30			.07			T.	T.	.05			0.42
Golconda	Humboldt																					.10			.10					0.20
Halleck	do																		.15								.10			0.25
Hawthorne	Desert																													
Hylton	Humboldt																			.35							.27			0.62
Jean	Desert						T.	T.															.15		.25					0.40
Lahontan	Carson																		T.	*	.06	.02			T.		T.			0.08
Lewers Ranch	Truckee																	T.		.10		.40				.40				0.90
Lida	Desert							*	.30												T.	*	.69		*	.65		.02		1.66
Lovelocks	Humboldt																		T.		.04									0.04
McDermit	do																													
McGill	do																	*	.16	.05				*	*	.49	T.			0.70
Metropolis	do																	T.	.02								.03			0.05
Mill City	do																		T.			.01						.01		0.02
Millett	Reese	T.																							.15	.33				0.48
Mina	Desert																									.20		.15		0.35
North Fork	Humboldt	.04																T.				.03								0.07
Oasis Ranch	Desert							T.	.24	.03										T.			.04		.07	.47		.02		0.87
Potts	Reese																		T.	T.	T.	.01			.15	.30		.02		0.48
Quinn River Ranch	Humboldt																					.04			.06			.02		0.12
Rebel Creek	do	T.																T.	T.	T.	T.	T.			.06		.02	.02		0.10
Reno	Truckee																	T.	T.	T.	.05	.05			.15		.09	T.		0.34
Rose Creek	Humboldt																					.24						.08		0.32
Smith	West Walker																		T.	.02	T.	.04		.05		.08		.12		0.31
Soda Lake	Carson																													
Spooners Ranch	Truckee																		.08	.09			.18				.26		.45	1.06
Sweetwater	East Walker																		.10	.25	T.	.55			.20	T.	.10	.25		1.45
Tecoma	Humboldt																								.01		.02			0.03
Tonopah	Desert	T.							.32												.01	.04	.05		.12	.22			T.	0.76
Wabuska	Walker																													
Wells	Humboldt																	.10								.10	.15			0.35
Willow Point	Little Humboldt	.01																												0.01
Winnemucca	Humboldt	T.																T.	.02		.02	.09					T.	.02		0.15

* *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 February, 1913. District No. 10, Great Basin.*

Date.	Wyoming.						Utah.																			
	Border.		Evanston.		Weston, Idaho.		Corinne.		Fillmore.		Government Creek.		Meadowville.		Modena.		Oak City.		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.
1	25	0	27	6	36	19	36	6	45	24	35	18	29	10	41	14	39	21	37	19	41	19	43	21	36	28
2	12	−13	23	1	27	− 9	30	6	35	20	40	12	22	−10	30	11	31	10	32	4	32	15	30	3	28	18
3	25	− 9	30	0	30	6	35	2	53	12	39	20	32	− 2	41	9	45	10	39	12	43	6	40	− 1	41	18
4	34	19	36	20	44	23	38	6	61	21	48	23	39	22	46	12	53	28	43	20	43	14	50	24	49	36
5	36	18	35	21	40	22	40	10	61	26	49	23	38	27	50	15	50	26	47	30	49	18	48	14	49	32
6	33	13	36	13	46	26	42	15	65	26	49	26	37	22	51	22	52	23	50	27	49	19	48	13	47	32
7	28	1	34	5	38	12	44	22	55	22	40	26	29	6	44	27	47	19	40	20	41	32	44	13	40	29
8	18	−11	34	2	38	11	37	17	55	28	40	19	26	4	42	30	45	25	42	20	43	33	41	16	40	26
9	18	−20	35	3	35	7	40	23	56	31	42	20	26	− 1	46	27	50	28	45	19	47	32	49	22	43	27
10	35	−13	36	3	41	18	42	28	53	28	46	21	37	10	46	20	49	27	41	25	48	27	41	22	42	30
11	20	−18	34	− 2	35	6	37	27	50	21	37	16	23	− 2	42	22	42	18	40	16	43	23	41	21	38	24
12	20	−19	32	0	35	8	40	15	52	17	39	14	23	− 3	45	15	42	16	40	15	44	23	41	14	40	24
13	25	−11	36	9	40	8	42	18	55	21	46	18	23	− 1	50	16	49	21	45	17	49	28	45	15	47	25
14	34	− 2	35	17	40	20	45	16	51	25	45	26	39	8	56	18	49	24	44	20	49	20	43	21	43	29
15	39	24	37	18	40	23	47	23	56	25	45	23	40	21	51	18	47	22	44	26	48	26	43	20	48	30
16	43	25	41	12	50	30	43	23	62	26	52	26	47	27	57	18	53	24	51	28	54	22	49	20	50	31
17	33	10	45	16	49	23	38	23	60	29	52	34	52	19	53	25	58	28	52	30	58	27	56	25	57	30
18	34	18	36	17	34	22	35	27	48	19	40	11	39	20	40	− 5	49	20	52	27	44	20	36	22	31	23
19	24	7	24	9	32	18	37	22	42	12	27	7	29	15	24	−13	29	13	33	27	27	0	35	14	32	20
20	12	−27	18	− 7	30	− 8	48	12	37	8	20	− 1	17	−14	25	− 2	20	1	32	10	25	11	29	8	28	14
21	12	−30	10	−20	29	− 7	45	10	44	10	22	0	12	−13	25	− 4	34	5	29	8	28	0	32	7	30	12
22	10	−23	13	− 7	27	− 6	40	15	38	10	22	1	13	−11	32	10	33	10	28	11	27	11	34	9	27	16
23	20	−23	22	−14	37	− 1	44	19	45	16	24	5	19	−12	32	9	37	14	34	12	32	11	39	16	34	18
24	26	3	25	9	34	10	47	22	40	23	34	24	28	1	34	25	38	26	37	24	35	20	36	28	35	30
25	33	10	30	20	39	20	37	10	45	31	33	26	34	14	36	30	36	28	40	26	41	28	35	29	35	30
26	17	−15	29	9	29	4	32	17	40	27	33	22	23	4	41	15	40	26	31	19	35	27	35	25	35	23
27	22	− 2	20	2	34	18	30	15	42	26	26	8	28	− 3	32	12	31	9	35	18	30	18	33	10	28	20
28	19	6	15	3	27	13	30	15	42	10	29	3	25	10	34	2	37	8	30	14	33	1	34	12	32	22
Mns.	25.2	−2.9	29.6	5.9	36.3	12.0	39.3	16.6	49.6	21.2	37.6	16.8	29.6	6.0	40.9	14.2	42.3	18.9	39.8	19.4	40.6	19.0	40.4	16.5	38.8	24.9

Date.	Burns, Oreg.		Nevada.																							
			Cherry Creek.		Elko.		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	42	2	38	12	36	5	37	20	49	14	58	31	42	12	47	12	50	19	48	18	48	22	47	10	40	25	43	18
2	36	19	29	9	32	1	29	10	46	10	60	32	45	9	40	6	53	14	39	11	42	19	45	− 5	30	15	35	12
3	42	27	41	14	42	11	47	9	57	11	60	36	48	18	53	5	52	11	45	12	52	20	47	− 6	40	21	49	22
4	47	15	42	18	46	21	49	18	55	20	61	35	49	20	52	10	59	25	50	26	49	25	50	16	43	24	52	23
5	36	13	48	23	45	20	48	21	56	16	60	35	51	19	53	14	57	24	52	21	52	25	50	2	44	29	52	21
6	41	10	49	20	46	8	49	20	53	15	57	35	52	12	57	8	51	19	51	28	53	24	50	6	47	32	50	19
7	35	5	43	15	42	7	49	15	51	18	58	37	45	23	54	9	46	23	43	22	50	23	49	1	47	36	45	21
8	49	7	48	18	47	11	48	20	52	23	58	36	52	23	53	20	47	22	50	15	53	27	50	1	42	32	49	21
9	37	10	48	23	46	11	48	22	56	19	53	32	50	10	52	26	55	20	52	16	56	27	47	0	45	32	54	20
10	42	8	45	20	45	14	46	20	55	18	62	30	52	17	53	10	56	19	53	18	54	27	51	4	45	33	51	19
11	40	11	39	13	41	7	40	15	52	16	62	27	55	24	52	8	52	22	52	14	52	25	50	− 7	45	29	48	16
12	41	14	44	12	42	7	44	14	53	12	62	27	51	20	55	3	55	17	52	14	55	22	56	− 4	45	25	51	13
13	44	15	50	17	48	11	50	17	57	15	60	31	56	23	58	9	62	15	54	15	59	24	48	− 1	50	33	58	17
14	45	16	47	27	46	21	45	25	59	18	66	33	58	24	57	15	61	16	58	22	58	29	56	2	53	36	55	23
15	47	19	49	20	51	25	49	21	60	20	63	33	62	18	56	15	58	19	59	25	59	28	53	7	52	32	58	23
16	40	20	55	22	54	22	57	24	61	20	61	32	54	20	63	12	52	19	58	21	61	29	52	3	55	37	61	26
17	33	20	57	33	47	23	53	29	56	17	61	30	46	18	62	17	53	21	51	26	53	28	50	5	54	26	45	26
18	42	18	37	12	30	17	42	10	43	17	58	30	47	13	48	15	45	23	38	21	36	19	50	0	29	17	36	19
19	41	20	23	10	29	12	22	11	37	19	59	26	41	8	38	15	42	19	39	21	31	23	51	3	26	12	35	16
20	30	0	22	− 7	25	0	29	6	35	5	60	28	37	2	32	5	38	11	34	11	28	13	50	−14	26	7	30	8
21	36	12	21	7	.....	.....	30	10	34	21	59	32	35	19	31	1	40	11	32	18	30	21	50	−16	26	12	32	16
22	36	12	25	9	28	16	29	1	31	3	59	32	39	11	36	5	35	19	32	9	37	10	51	− 9	28	15	33	6
23	36	11	31	4	35	13	33	6	34	13	60	32	38	7	41	2	40	15	36	17	39	21	50	− 8	28	18	36	17
24	35	3	33	23	46	23	33	21	42	21	48	35	42	25	33	24	41	20	41	15	36	25	50	6	32	25	45	23
25	29	14	38	25	47	24	38	21	44	27	57	35	48	25	44	27	40	19	41	19	42	25	51	11	36	29	41	20
26	32	13	33	24	42	17	35	23	41	23	58	36	45	12	38	10	40	18	43	20	38	23	50	− 2	31	23	34	21
27	37	11	28	11	42	17	29	15	41	27	57	30	44	17	33	15	37	22	36	12	39	21	50	2	29	19	36	15
28	40	11	29	2	42	15	35	1	46	10	58	28	46	2	35	5	41	14	43	8	45	14	51	7	33	14	44	9
Mns.	39.0	12.7	39.0	15.6	41.9[a]	14.0[a]	40.8	15.9	48.5	16.7	59.1	32.0	47.5	16.1	47.4	11.5	48.5	18.4	45.8	17.7	46.7	22.8	50.2	0.5	39.3	24.6	44.9	18.2

[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.