CLIMATOLOGICAL DATA FOR DECEMBER, 1912.

DISTRICT No. 10, GREAT BASIN.

ALFRED H. THIESSEN, District Editor.

GENERAL SUMMARY.

Comparatively cold weather prevailed over the Great Basin during December, but the month as a whole was not so cold as December of last year, which, it will be remembered, was one of the coldest on record. The month's precipitation for the district averaged only about one-third of the normal amount, and it was the least in December for some years.

For the district there was on the average 15 clear days, 9 partly cloudy, 7 cloudy, and only 3 rainy days.

TEMPERATURE.

The temperature for December averaged 28.5°, which is 2° below normal. The warmest weather was experienced in the northern valleys and southern counties of the Utah area, and in the southern and west-central portions of Nevada, while the coldest weather occurred in the Wyoming area.

The local mean temperature ranged from 14° at Evanston, Wyo., to 39.9° at Jean in southern Nevada. Every station in the Utah area reported means below normal; but in the remaining portions of the district the cold weather was not so general, and many stations in the Nevada area reported means above normal. The greatest deficiency was 8.6° at Thistle, Utah, whose mean was 18°; and the greatest excess was 3° at Carlin, Nev., whose mean was 29.4°.

The month began warm and continued so for a decade, although a few stations reported their lowest temperature during this period. It was warmer generally during the second decade, and the highest temperatures occurred usually on the 13th and 14th. The coldest period of the month was the last decade, and the lowest temperatures occurred generally from the 22d to the 27th.

The following were the highest temperatures that occurred in the various areas of the several States of this district: 40° at Border on the 13th and at Cokeville on the 14th and other dates, both in Wyoming; 54° at Grace, Idaho, on the 13th; 61° at Fillmore on the 13th; 56° at Silver Lake, Oreg., on the 11th; 53° at Tahoe, Cal., on the 13th; 68° at Jean, Nev., on the 23d.

The lowest temperatures were: −15° at Border and Cokeville, Wyo., on the 22d; −10° at Paris, Idaho, on the 22d; −20° at Thistle, Utah, on the 22d; −6° at Cliff, Oreg., on the 26th; zero at Truckee, Cal., on the 26th; and −12° at Potts, Nev., on the 22d.

PRECIPITATION.

The precipitation for the district averaged 0.46 inch, or 0.77 inch below normal. The largest amounts fell in the northern part of the Utah area, and the least in Nevada. Four stations in the Utah area reported only traces, and 17 in the Nevada area reported traces or none at all. Of those stations having a 10-year record or more, only two reported amounts above their normals, namely: Thistle, Utah, and Silver Lake, Oreg. The largest monthly amount was 4.35 inches at Deer Park, Cal. The largest 24-hour amount was 3.10 inches at the same place on the 14th and 15th.

SNOWFALL.

The water supply estimated from the snowfall at the end of December was not encouraging. In the Utah area there was less snowfall during December than for the same month last year, but in many places it was well packed and in good condition for late keeping.

A study of the snowfall in the Nevada area shows that the snowfall was greater during December, 1912, than in the corresponding month of 1910, except in the Walker Basin, where it was less; but much less in all drainage basins than in 1911. But the snowfall for the season up to December 31, 1912, discloses the fact that this season's snowfall is greater than that of the corresponding period of 1911. There was little snow on the ground below the 5,500-foot level. At the 6,240-foot level there was 7 inches on the average, but at the 8,600-foot level there was 37 inches.

TABLE 1.—*Climatological data for December, 1912. 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	Uinta	6,085	10	16.8	+ 2.9	40	13	−15	22	38	0.10	− 0.67	0.04	1.0	4	13	8	10	w.	S. W. Condron.
Cokeville	do	6,204	2	16.6		40	14†	−15	22	36	0.22		0.10	5.2	4	20	5	6	w.	E. J. Tuckett.
Evanston	do	6,860	16	14.0	− 5.9	34	3	−11	14	31	0.40	− 0.87	0.15	4.0	4	13	9	9	w.	Frank Tucker.
Idaho.																				
Geneva	Bear Lake	6,171	4								0.51		0.31	7.0	2	14	13	4		F. W. Boehme.
Grace	Bannock	5,400	5	24.0		54	13†	− 9	27	44						14	7	10		E. W. Joy.
Paris	Bear Lake	5,946	17	22.0	+ 1.3	45	6	−10	22	35	0.70	− 0.31	0.40	7.0	3	21	6	4	nw.	John Norton.
Weston	Oneida	4,460	14	23.6	− 0.8	51	14	− 3	23	33	0.25	− 0.75	0.10	3.5	4	14	5	12	n.	Wm. T. Chatterton.
Utah.																				
Alpine	Utah	4,900	13								0.90	− 0.26	0.60	9.0	2	21	4	6		T. F. Carlisle.
Beaver	Beaver	6,000	8	21.2		51	13	−10	22	48	0.30		0.20	3.0	2	10	20	1	sw.	M. J. Shelton.
Black Rock	Millard	4,872	8	26.0		54	13	− 8	26	44	0.10		0.10	2.0	1	14	11	6		W. D. Livingston.
Burrville	Sevier	6,800	1	19.4		50	3	−10	27	47	0.01		0.01	0.1	1				n.	F. R. Curtis.
Castle Rock	Summit	6,244	7								0.53		0.20	10.5	8	16	7	8	w.	David Moore.
Cedar City	Iron	5,750	7	30.2		53	13	2	22	39	0.15		0.04	2.0	5	16	5	10	s.	Parley Dalley.
Center	Tooele	4,250		21.0		53	2	− 9	23	53	0.72		0.35	4.0	4	20	4	7	s.	L. C. Peterson.
Clarkston	Cache	5,930									0.60		0.45		2	15	9	7		W. J. Griffith.
Corinne	Boxelder	4,240	42	22.6	− 5.8	42	9	− 2	25	33	0.30	− 1.25	0.20	3.0	2	18	5	8		A. C. Murphy.
Deseret	Millard	4,541	17																	S. W. Western
Elberta	Utah			25.4		49	10†	0	23†	35	0.21		0.14	3.0	3	20	4	7	n.	D. C. Walkey.
Enterprise	Washington	5,750	6																	John Day.
Erekson	Tooele	4,850																		N. W. Erekson.
Farmington	Davis	4,267	11	28.3	− 2.4	46	13	6	6	25	0.65	− 1.38	0.40	6.5	2	21	7	3	n.	Charles Boylir.
Fillmore	Millard	5,100	20	27.1	− 3.2	61	13	4	26	35	0.38	− 0.72	0.11		7					J. J. Starley.
Garland	Boxelder			26.6		52	13	0	22	33	0.36		0.24	3.0	3	2	27	2	s.	Herbert C. Cutler.
Garrison	Millard	4,850	9			60	14	− 5	22		T.		T.	T.	0					E. M. Smith.
Government Creek	Tooele	5,277	11	25.6	− 2.7	50	14	0	22†	34	0.38	− 0.50	0.13	4.5	4	18	2	11	s.	Walter James.
Granger	Salt Lake	4,560		26.2		54	1	4	21	31	0.40		0.40	4.0	1					Geo. E. Greene.
Grantsville	Tooele	4,220	1								0.21		0.11		5	15	12	4	sw.	J. C. Woodmansee.
Grouse Creek	Boxelder	5,148	4								0.44		0.24	7.4	7	11	10	10	n.	Phillip Paskett.
Heber	Wasatch	5,593	19	18.2	− 4.0	48	14	−14	22	40	1.04	− 0.75	0.44	17.0	5	20	7	4	n.	John Crook.
Henefer	Summit	5,301	12	20.8	− 3.0	52	14	−13	22	41	1.05	− 0.62	0.39	10.8	8	16	5	10	nw.	William Brewer.
Hooper	Weber	4,436	1								0.32		0.31	3.2	2					T. M. Jones, jr.
Ibapah (near)	Tooele	7,500	8																	J. S. Lawton.
Ibex	Millard	5,250	1	32.3		61	13	5	22	35	T.		T.	T.	0	12	7	12	n.	John J. Watson.
Iosepa	Tooele	4,356	1	28.5		52	14	− 2	26	40	0.25		0.15		2	11	5	15	n.	Geo. K. Hubbell.
Joy	Juab	5,000																		A. M. Laird.
Junction	Piute	6,000									T.		T.		0	23	4	4	n.	Joseph Jensen.
Kanosh	Millard	5,250	5								0.76		0.30		5					Geo. Crane.
Kelton	Boxelder	4,230	32	20.1	− 7.0	45	8	−10	20	46	0.27	− 0.47	0.20	2.7	3	11	19	1	se.	F. W. Klock.
Lemay	do	4,221	1	26.8		39	1†	10	22	23	0.15		0.15	1.5	1	19	0	12		Agent S. P. Co.
Levan	Juab	5,010	22	23.3	− 2.1	49	13	− 1	23†	33	0.78	− 0.93	0.35	7.8	6	19	4	8	nw.	William Brown.
Logan	Cache	4,507	21	25.4	− 0.2	46	13†	2	23	30	0.35	− 0.76	0.20	5.0	6					Utah Experiment Statior
Low	Tooele	4,602		32.0		60	13	5	27	33	0.10		0.10	2.0	1	18	9	4		Agert W. P. R. R. Co.
Lucin	Boxelder	4,504	5																	R. G. Crocker.
Lund	Iron	5,086	3																	Job F. Hall.
Manti	Sanpete	5,575	17	23.0	− 2.1	50	14	− 7	26	38	0.45	− 0.48	0.14	30.2	5	15	0	16		J. M. Anderson.
Maple Creek	Utah	4,850									0.71		0.65	12.0	3	11	8	12		Lewis W. Gillilan.
Marion	Summit	6,400	7								1.10		0.38	15.0	6	9	5	17	nw.	Jas. Woolstenhulme.
Marysvale	Piute	6,076	12	23.4	− 2.5	52	31	− 3	27	43	0.36	− 0.46	0.08	4.3	8	8	16	7	n.	John W. Herry.
Meadowville	Rich	6,200	11	24.0	− 1.8	49	15	− 1	22	35	0.80	− 0.27	0.50	7.0	2	17	3	11	w.	J. S. Moffat.
Midlake	Boxelder	4,235	1	32.0		44	4	22	22	13	T.		T.	T.	0	20	5	6		Agent S. P. Co.
Midvale	Salt Lake	4,365		27.6		54	14	2	5	36	1.11		0.52		6	4	21	6	s.	M. J. Joy.
Milford	Beaver	4,962	4	29.4		58	20†	− 7	29	49	0.26		0.20	2.6	4	19	0	12	n.	Agent, Salt Lake Route.
Mills	Juab	4,911									0.03		0.03		1					Geo. McCune.
Millville	Cache	4,848	17								0.32	− 0.85	0.18		5	8	18	5	n.	Fred Yeates.
Minersville	Beaver	5,070	8								0.09		0.02	4.5	6	14	14	3	n.	Fred R. Pryor.
Modena	Iron	5,479	11	26.8	− 4.9	53	13	1	27	40	T.	− 0.58	T.	T.	0	25	6	0	w.	U. S. Weather Bureau.
Morgan	Morgan	5,068	7	22.4		50	14	− 7	23	42	0.11		0.09		2					E. O. Kingston.
Moroni	Sanpete	5,519	4	24.7		52	14	− 2	22	34	0.90		0.32	12.5	7	13	10	8	sw.	B. F. Eliason.
Mosida	Utah	4,510																		R. P. Curtis.
Nephi [near]	Juab	5,119	7																	S. Boswell.
Newcastle	Iron	5,150	1								0.25		0.13		2					T. W. Jones.
Oak City	Millard	4,900	5	28.6		53	13†	4	22	36	0.39		0.15	2.0	4	16	7	8		Peter Nielson.
Ogden	Weber	4,310	41	27.1	− 4.4	52	14	3	21	33	0.41	− 1.29	0.10		6	14	3	14	e.	A. Van De Graff.
Panguitch	Garfield	6,560		23.0		53	31	− 8	26	46	0.06		0.06		1	20	9	2		John N. Henrie.
Park City	Summit	7,800	7	20.4		56	2	− 7	22	57	1.61		0.90		7	2[b]	8[b]	13[b]		Gertrude Evans.
Park Valley	Boxelder	5,200	1								0.30		0.20	7.0	2	12	13	6	nw.	A. O. Evans.
Parowan	Iron	5,470	21	28.4	− 0.4	53	13†	0	26	39	0.27	− 0.66	0.17	3.0	2	20	4	7		Alex. Matheson.
Payson	Utah	4,637	8								0.43		0.23	3.5	4	20	6	5	ne.	D. L. Coombs.
Pelican Point	do	4,600	1																	B. M. Mendenhall.
Pine Cliff Ranch	Summit	8,250	1																	J. E. Leavitt.
Pinto	Washington	5,907	14	25.5[b]	− 1.6	51	12†	− 1	23†	48	0.07	− 0.76	0.05		2	16[c]	7[c]	3[c]	n.	J. H. Harrison.
Plentiful	Tooele	4,262									0.10		0.05		2					C. L. Drumm.
Promontory	Boxelder	4,913	33								0.40	− 0.51	0.20	4.0	2					F. C. Houghton.
Provo	Utah	4,532	23	24.4	− 4.5	51	13†	− 6	22	34	1.05	− 0.48	0.70	10.5	4	17	12	2	n.	James A. Oliver.
Randolph	Rich	6,442	10																	Wm. Rex.
Revier	Salt Lake	5,006	1																	E. L. Terry.
Richfield	Sevier	5,350	18																	Joseph J. Jensen.
Richmond	Cache	4,529									0.54		0.35	7.2	5	8	15	8		J. R. Thompson.
Saltair	Salt Lake	4,220	8	294		48	31	14	23	23	0.21		0.10	2.5	5					E. J. Bench.
Salt Lake City	do	4,360	38	30.7	− 1.4	51	14	12	22	20	0.80	− 0.53	0.36	7.7	7	14	5	12	se.	U. S. Weather Bureau.
Scipio	Millard	5,260	17	27.	− 0.2	57	14	− 12	26	55	0.61	− 0.55	0.37	5.0	5	14	3	14	sw.	Thos. Memmott.
Showell	Boxelder	4,650		21.7		51	14†	− 6	20†	38	0.39		0.12	2.8	5	14	13	4		Richard Ilgner.
Silver City	Juab	6,127	2								0.74		0.30		5	11	16	4	sw.	J. L. Stark.
Spanish Fork	Utah	4,585	2	24.6		48	11†	− 2	21	33	1.20		0.80	14.0	2	19	6	6		Reclamation Service.
Strawberry Tunnel [west].	do	7,650	6	21.2		48	13	− 3	6	38	2.00		0.90	28.0	9	15	10	6		Do.
Thistle	do	5,075	18	18.0	−8.6	48	30	− 20	22	46	3.80	+ 2.31	1.00	38.0	8	11	18	2	n.	John Thorgierson.
Tooele	Tooele	4,900	16	28.6	−0.7	51	14	7	22	29	0.43	− 0.62	0.13		7	8	7	16	se.	E. A. Bonelli.
Vernon	do	5,500									0.49		0.21	8.0	7	19	7	5		Glynn Bennion.
Wendover	do	4,237	1	28.8		50	20†	9	23	32	0.25		0.15	2.5	2	5	23	3	nw.	J. S. Cooper.
Whisky Creek	Millard	4,850	1								0.54		0.20	4.0	3					Geo. Stevens.
Woodruff	Rich	6,500	10																	A. L. Eastman.

TABLE 1.—*Climatological data for December, 1912. 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.		
Oregon.																				
Burns	Harney	4,157	21																	
Cliff	Lake	4,300	9	25.8		50	11	− 6	26	51	0.44		0.17	2.0	7	6	15	10	w.	
Paisley	do	4,500	5																	
Silver Lake	do	4,700	15	26.9	− 2.9	56	11	− 2	27	43	1.88	+ 0.76	0.60	15.0	6	15	12	4	w.	
California.																				
Cathedral Park	Eldorado	6,650	0	33.2		52	12†	15	22†	28	2.70			29.0	4	13	8	10	s.	Carl Fluegge.
Tahoe	Placer	6,240	2	29.4		53	13	6	25	34	2.09		1.00	24.0	5	24	1	6	w.	R. M. Watson.
Truckee	Nevada	5,819	41	25.8	− 2.9	50	12	0	26	43	T.	− 4.59	T.	T.	0	2	29	0		Southern Pacific Co.
Nevada.																				
Austin	Lander	6,594	23	26.8	− 4.1	55	13	3	23	30	0.60	− 0.64	0.25	6.0	5	19	0	12	nw.	F. O. Booe.
Battle Mountain	do	4,843	41	32.6	+ 1.5	62	1†	0	22†	52	0.30	− 0.49	0.10	3.0	3	20	0	11	w.	Southern Pacific Co.
Beowawe	Eureka	4,905	41	26.4	− 3.4	53	14	− 7	21	37	0.55	− 0.29	0.30	5.5	3	12	11	8	se.	Do.
Carlin	Elko	6,232	41	29.4	+ 3.0	67	13	− 2	25†	50	0.97	− 0.23	0.43	10.0	7	14	3	14		Do.
Carson Dam	Churchill	4,032	5	31.7		59	18	4	22	40	0.00		0.00	0	0	15	8	8	w.	U. S. Reclamation Service.
Cherry Creek	White Pine	6,450	4	27.3		53	13	− 6	22	39	0.33		0.16	5.8	5	11	15	5	w.	J. H. Leishman.
Clover Valley	Elko	6,000	11	27.7	+ 1.0	52	12†	− 2	20†	39	0.98	− 0.58	0.51	0	4	12	14	5		I. F. Wiseman.
Columbia	Esmeralda	5,750	5	30.8		54	3	8	26	34	0.06		0.06	1.0	1	24	6	1	nw.	A. Booth.
Dry Farm	Elko	5,600	0	29.0		51	13	3	22	39	0.28		0.10	2.8	4					Walfrid Sohlman.
Elko	do	5,432	41	25.6	− 1.4	53	13	− 4	22	40	0.26	− 0.90	0.11	3.2	6	24	0	7	w.	E. J. Clark.
Eureka	Eureka	6,500	9	27.4		53	3	− 9	22	41	0.69		0.40	11.5	6	11	9	11	n.	Clay Simms.
Fallon	Churchill	3,965	7	30.8		58	17	1	27	48	T.		T.	T.	0	18	9	4	nw.	U. S. Experiment Station.
Fernley	Lyon	4,200	39	31.2	− 1.0	60	13†	1	27	50	T.	− 0.53	T.	T.	0	18	13	0		Mrs. G. A. Steele.
Gardnerville	Douglas	4,830	12	31.1[e]	− 1.3	61[e]	13†	3[e]	27	48[e]	0.00	− 2.15	0.00	0	0				w.	Forest Service.
Gerlach	Washoe	3,931	0								0.20		0.20	2.0	1				nw.	Western Pacific Co.
Geyser	Lincoln	6,055	8	20.8		55	11†	−10	26†	60	0.00		0.00	0	0	12	17	2	n.	Mrs. J. F. Wambolt.
Glenbrook	Douglas	6,240	3	32.6		54	1	13	22†	31	1.00		1.00	12.0	2	17	10	4	sw.	C. C. Henningsen.
Golconda	Humboldt	4,697	33	27.7	− 5.0	55	18	3	22	36	0.20	− 0.63	0.20	2.0	1	11	13	7	w.	Southern Pacific Co.
Halleck	Elko	5,631	19	25.5	+ 0.6	54	10	− 7	22	51	T.	− 1.16	T.	T.	0	25	3	3	sw.	Do.
Hawthorne	Mineral	4,569	18																	G. B. Stannard.
Jean	Clark	2,074	4	39.9		68	23	4	29	56	0.00		0.00	0	0	29	2	0	ne.	Salt Lake Route.
Lahontan	Churchill	4,200	0	34.0		60	18	9	21	35	T.		T.	T.	0	19	7	5	w.	U. S. Reclamation Service.
Lewers Ranch	Washoe	5,500	24	34.0	− 0.4	57	14	10	22	39	0.85	− 3.27		4.0	2	12	13	6		Ross Lewers.
Lida	Esmeralda	6,037	0																	L. F. Detwiler.
Lovelocks	Humboldt	3,977	18																	A. P. Tilford.
McDermit	do	4,700	23																	Scott Sterling.
McGill	White Pine	6,338	21	24.6	− 2.0	53	14	− 7	22	41	0.10	− 1.15	0.10	1.0	1	20	5	6	s.	R. E. Middagh.
Millett	Nye	6,002	4	27.6		55	18†	− 5	21	50	0.00		0.00	0	0	18	5	8	n.	Fred J. Jones.
Mina	Mineral	4,600	5								0.00		0.00	0	0	22	0	9		Southern Pacific Co.
Oasis Ranch	Esmeralda	5,106	0	30.4		63	1†	0	27	55	T.		T.	T.	0	26	3	2	s.	A. S. Patterson.
Potts	Nye	6,990	19	24.4	− 0.5	50	13†	−12	22	41	T.	− 0.51	T.	0	0	15	4	12	n.	Miss Mamie Potts.
Quinn River Ranch	Humboldt	4,850	10	26.0[f]	− 3.6	56[f]	8	0[f]	23	49[f]	0.06	− 0.67	0.04	0	3				w.	F. M. Payne.
Rebel Creek	do		0								0.13		0.05	2.5	3	10	11	10	sw.	E. J. Hyatt.
Reno	Washoe	4,532	41	34.0	+ 0.3	60	3	10	27	45	0.09	− 1.58	0.07	0.6	3	15	13	3	w.	U. S. Weather Bureau.
Soda Lake	Churchill	4,534	5																	U. S. Reclamation Service.
Tecoma	Elko	4,812	34	26.4	+ 0.3	64	2	−11	26†	58	T.	− 0.60	T.	T.	0	7	15	9		Southern Pacific Co.
Tonopah	Nye	6,090	7	30.1		53	31	10	22	23	T.		T.	T.	0	18	9	4	w.	U. S. Weather Bureau.
Wabuska	Lyon	4,347	8	33.5[1]		57[1]	31	8[1]	20	50[1]	0.00		0.00	0	0					J. G. Young.
Wells	Elko	5,631	40	24.6	− 0.5	52	16	− 6	19†	38	0.00	− 1.25	0.00	0	0	13	2	16	w.	Southern Pacific Co.
Winnemucca	Humboldt	4,432	33	30.0	− 0.7	57	13	4	6	41	0.27	− 0.72	0.09	2.0	7	12	5	14	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 December, 1912. 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				T.									T.			.01	T.				T.								.02	.04	.03	0.10
Cokeville	do				.01										T.		.08					T.				.03			T.	T.	T.	.10	0.22
Evanston	do				.05																	.10							.15			.10	0.40
Idaho.																																	
Geneva	Bear																.31															.20	0.51
Grace	do															.05			.05	.02				T.		T.		T.	T.	T.			
Paris	do														.10																.20	.40	0.70
Weston	do																.10									.07					.05	.03	0.25
Utah.																																	
Alpine	G. S. Lake				.30												.60																0.90
Beaver	Sevier Lake	T.	.10	T.												T.	T.					T.				.20							0.30
Black Rock	do																					T.				.10							0.10
Burrville	do																									.01							0.01
Castle Rock	G. S. Lake				.15	.03										.03	.20					.02				.05			.03		.02		0.53
Cedar City	Desert		.03		.03					T.						.02						.03				.04							0.15
Center	do				.02	.25											.35	.10													T.		0.72
Clarkston	G. S. Lake															.45									.15								0.60
Corinne	do																.20													.10			0.30
Deseret	Sevier Lake																																
Elberta	G. S. Lake																	.14								.02					.05		0.21
Enterprise	do																																
Erekson	Desert																																
Farmington	G. S. Lake				.25												.40	T.	T.							T.						T.	0.65
Fillmore	Sevier Lake		.03		.04	.07	.01										.10	.02				T.				.11							0.38
Garland	G. S. Lake																.24							.08						.04			0.36
Garrison	Sevier Lake																						T.					T.					T.
Government Creek	do																.05	.10								.13					.10		0.38
Granger	do				.40																												0.40
Grantsville	G. S. Lake																	.01				.05			.01						.03	.11	0.21
Grouse Creek	Desert				T.											T.	.24	.01							T.	.02			.03	.06	.04	.04	0.44
Heber	G. S. Lake																.44	.20				T.					.15				.05	.20	1.04
Henefer	do	.10			.19											.05	.39	.10		T.		.02				T.			T.		.10	.10	1.05
Hooper	do	.01				.31																									T.		0.32
Ibapah (near)	Desert																																
Ibex	do																																
Iosepa	do				T.												T.	T.				.10				.15					T.		0.25
Joy	do																																
Junction	Sevier Lake				T.											T.										T.							T.
Kanosh	do		.10		.11	.18											.07									.30							0.76
Kelton	G. S. Lake																.05	.20													.02		0.27
Lemay	Desert																														.15		0.15
Levan	Sevier Lake				.08											.03	.35					.02				.18					.12		0.78
Logan	G. S. Lake															.20	.03				.05				.03					.02		.02	0.35
Low	do																					.10									T.		0.10
Lucin	Desert																																
Lund	do																																
Manti	Sevier Lake		.10		T.											T.	.06	.09								.14					.06		0.45
Maple Creek	G. S. Lake				.04											*	.65	.02								T.	T.					T.	0.71
Marion	do	.09			T.											T.	.38	.21	T.	T.	T.	T.				.13				T.	.15	.14	1.10
Marysvale	Sevier Lake	.02	.05		.06	.05										.01	.04	.05								.08							0.36
Meadowville	G. S. Lake				T.												.30													T.		.50	0.80
Midlake	do				T.												T.														T.	T.	T.
Midvale	do			.20												.05	.23								.03					.08		.52	1.11
Milford	Sevier Lake				.02													.20	.02								.02						0.26
Millville	G. S. Lake			.02													.18									.06	T.				.03	.03	0.32
Mills	Sevier Lake				T.		T.										.03																0.03
Minersville	do		.02		.01	.02										.01							.01			.02							0.09
Modena	Desert		T.		T.					T.						T.																	T.
Morgan	G. S. Lake			.09													.02																0.11
Moroni	Sevier Lake	T.	T.		.12											.06	.32	.28		T.		.03				.07					.02	T.	0.80
Mosida	G. S. Lake																																
Nephi (near)	do																																
Newcastle	Desert		.12													.13																	0.25
Oak City	Sevier Lake				.05												.08									.15						.11	0.39
Ogden	G. S. Lake				.03												T.	.27			T.	T.				T.			T.	.07		.04	0.41
Panguitch	Desert				.06																												0.06
Park City	G. S. Lake					.06	.02										.09				.20	.04									.90	.30	1.61
Park Valley	Desert																.20															.10	0.30
Parowan	do				.17												.10																0.27
Payson	G. S. Lake				.05											T.	T.	.23								.10				.05			0.43
Pelican Point	do																																
Pine Cliff Ranch	do																																
Pinto	Desert																.05						.02										0.07
Plentiful	G. S. Lake																	.05							.05								0.10
Promontory	do								.20																		.20						0.40
Provo	do				.20												.70	.10								.05					T.		1.05
Randolph	do																																
Revier	do																																
Richfield	Sevier Lake																																
Richmond	G. S. Lake			T.													.35	.10		T.		T.			.07				T.	.01		.01	0.54
Saltair	do				T.												.10				.05					.03					.02	.01	0.21
Salt Lake City	do				.22											.16	.20	.04		T.						.08					.01	.09	0.80
Scipio	Desert		.03		.03											T	T.	.37				T.				.15					.03		0.61
Showell	do				.10											.06	.12					.06										.05	0.39
Silver City	do		.09													.12	.30	.13													.10		0.74
Spanish Fork	G. S. Lake			T.													.80	.40								T.							1.20
Strawberry Tunnel, west.	G. S. Lake		.10		.43											.05	.90	.28		.05						.19					.05	.05	2.00
Thistle	do				.60												1.00	.80			.20					.40	.20				.30	.30	3.80
Tooele	do				.13	.01	T.										T.	.05		T.	.07	.02				.12					.03	T.	0.43
Vernon	Desert				.21	.02										T.	.07	.09				.03				.02				T.	.05	T.	0.49
Wendover	do				T.												T.	T.								.10					.15		0.25
Whisky Creek	do	.14																	.20							.20							0.54
Winder	Sevier Lake																																
Woodruff	G. S. Lake																																

TABLE 2.—*Daily precipitation for December, 1912. 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.																																	
Ana River	S. E. Drainage.			T.	.03									.10	T.	.22			.01					T.	.02					.05	.21	.15	0.79
Bear Valley	do	.10		.25		.70									.40	.80	.60	.08		.25								.08					3.26
Burns	do																																
Burns Mill	do	.20												.65	.70	.10	.40												.30	.20			2.55
Christmas Lake	do	T.		.20									T.	.03	.16	T.		.08	.02						T.	.05		T.		T.	.16		0.70
Cliff	do			T.	T.								.02	.03		.12	.02		.02	T.					T.		T.				.17	.06	0.44
Diamond	do																																
Embody	do		.03	.04	.15											.20	.20							.30				.10		.32			1.34
Fort Rock	do	.02		.10									.12	T.	.21	.02			T.					T.	.04					.40		.18	1.09
Paisley	do																																
Seneca	do	.03		.04	.20								T.	.13	.11	.32	.15	T.	T.		.08		T.	.03	.06					.04		.02	1.21
Silver Lake	do				.20								.17		.15									.28			.60		.26			.22	1.88
Valley Falls	do												T.	.54	.12						.06												.72
California.																																	
Bijou	Truckee														T.	.96	.04												T.	T		.04	1.04
Boca	do				.10										1.20																		1.30
Bridgeport	East Walker															*	.50																0.50
Cathedral Park	Truckee														*	*	2.50														.20		2.70
Deer Park	do														*	3.10	.55													*	.70		4.35
Hobart Mills	do				.17									T.	.02	.86	.08								.01						.17	.11	1.42
Lundy	East Walker															.14																	0.14
McKinneys	Truckee				.05									.01	*	1.06	.65													T.	.38	.29	2.44
Markleeville	East Carson															.82															T.		0.82
Shields Ranch	East Walker															.45																	0.45
Silver Creek	East Carson															1.00																.01	1.01
Tahoe	Truckee				.20										T.	1.00	.50								T.					T.	.22	.17	2.09
Tallac	do														T.	.85	T.														T.	.20	1.05
Truckee	do																								T.								T.
Woodfords	West Carson														*	1.10	.92																2.02
Nevada.																																	
Arthur	Humboldt			*	.20											.20	.10	.10												.20			0.80
Austin	Reese			.10	.10												.25					.10				.05							0.60
Battle Mountain	Humboldt				.10											.10	.10																0.30
Beowawe	do	T.			.05							T.			T.	.30	.20				T.									T.		T.	0.55
Carlin	do			.10									.10		.20	.23	.20													.10	T.	.04	0.97
Carson Dam	Carson																																0.00
Cherry Creek	Humboldt				.05												.06	.04		.02		.16										T.	0.33
Clover Valley	do				.08												.51									.13						.26	0.98
Columbia	Desert															.06																	0.06
Dry Farm	Humboldt				.06											.07	.10	.05															0.28
Elko	do				T.								.04			.03	.11	.03				T.				T.				.01		.04	0.26
Eureka	do				.02											.08	.06	.10				.40				.03							0.69
Fallon	Carson				T.											T.														T.			T.
Fernley	Truckee																								T.								T.
Gardnerville	Carson																																0.00
Gerlach	Desert				.20																												0.20
Geyser	Humboldt																																0.00
Glenbrook	Truckee														*	1.00															T.		1.00
Golconda	Humboldt			.20																										T.			0.20
Halleck	do															T.		T.												T.			T.
Hawthorne	Desert																																
Jean	do																																0.00
Lahontan	Carson				T.										T.													T.					T.
Lewers Ranch	Truckee				T.											*	.85															T.	0.85
Lida	Desert																																
Lovelocks	Humboldt																																
McDermit	do																																
McGill	do					T.											.10					T.											0.10
Metropolis	do				T.											.05	.05				T.				T.					T.		T.	0.10
Mill City	do																	.05											.02				0.07
Millett	Reese																																0.00
Mina	Desert																																0.00
North Fork	Humboldt														*	.03	.30					.10								.04	.10	.06	0.63
Oasis Ranch	Desert															T.						T.											T.
Potts	Reese	T.		T.												T.	T.									T.							T.
Quinn River Ranch	Humboldt																	.02	.02											.04			0.08
Rebel Creek	do				.05									T.			.05	T.	T.		T.									.03			0.13
Reno	Truckee			.01	.01										T.	.07				T.					T.								0.09
Skelton	Humboldt				.20											*	.43																0.63
Smith	West Walker														.10																		0.10
Soda Lake	Carson																																
Spooners Ranch	Truckee					.10	T.								*	1.00	T.						T.			T.	T.		T.	T.			1.10
Sweetwater	East Walker					T.				*	.60																						0.60
Tecoma	Humboldt																T.																T.
Tonopah	Desert				T.																	T.											T.
Wabuska	Walker																																0.00
Wells	Humboldt																																0.00
Willow Point	Little Humboldt.															T.														T.			T.
Winnemucca	Humboldt			.07	.02											.03	.03	.03				.01								.06	T.	T.	0.27

* 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 for December, 1912. District No. 10, Great Basin.*

Date.	Burns, Oreg.		Nevada.																									
			Battle Mountain.		Cherry Creek.		Elko.		Eureka.		Fallon.		Gardnerville.		Jean.		Millett.		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	.....	.....	62	10	33	6	38	4	35	12	45	8	50	12	55	30	40	10	43	8	50	15	63	4	35	22	41	11
2	.....	.....	58	8	40	16	40	5	42	14	47	12	46	15	56	32	44	15	40	5	46	20	64	5	36	24	44	12
3	.....	.....	55	10	46	16	45	14	53	15	51	13	60	15	53	30	50	11	43	12	60	19	60	9	46	25	52	21
4	.....	.....	58	22	44	23	43	20	43	16	52	15	57	18	50	28	35	10	37	14	39	22	61	11	34	17	34	20
5	.....	.....	48	10	28	12	38	7	32	12	36	9	37	13	54	28	30	12	37	15	37	16	60	3	25	15	35	8
6	.....	.....	46	10	30	5	35	2	31	9	39	7	43	6	53	27	38	10	42	2	43	12	59	2	31	12	39	4
7	.....	.....	44	2	37	13	36	4	39	10	40	7	44	9	52	30	46	14	49	4	46	15	55	6	35	18	42	8
8	.....	.....	40	2	40	18	45	5	44	11	44	8	44	9	51	32	46	10	56	7	47	15	57	10	35	22	47	22
9	.....	.....	52	2	39	13	40	5	43	16	47	7	48	8	52	34	43	8	43	6	49	16	54	4	36	27	46	11
10	.....	.....	54	5	42	15	42	4	44	11	48	9	47	10	55	28	45	8	46	4	45	17	52	7	38	26	47	9
11	.....	.....	54	15	49	18	48	11	50	20	48	11	49	14	57	26	45	10	.....	.....	50	21	51	6	43	31	49	16
12	.....	.....	60	18	52	22	51	26	51	24	51	15	48	14	54	23	50	15	.....	.....	51	22	53	10	45	34	54	22
13	.....	.....	58	28	53	23	53	15	51	25	57	12	61	18	54	20	50	14	.....	.....	57	23	51	9	44	31	57	19
14	.....	.....	55	25	48	32	50	31	52	26	57	32	.....	.....	54	28	50	15	.....	.....	58	36	50	5	41	27	52	30
15	.....	.....	58	25	35	28	43	26	38	24	46	30	.....	.....	55	25	42	24	.....	.....	39	29	50	6	32	22	46	29
16	.....	.....	54	30	32	25	37	26	37	15	53	38	.....	.....	56	24	45	25	.....	.....	47	36	50	5	39	22	44	29
17	.....	.....	56	25	39	27	38	21	37	26	58	39	58	23	56	23	50	35	42	33	55	31	51	9	45	30	44	31
18	.....	.....	55	28	48	27	48	27	50	20	57	20	61	19	58	24	55	18	45	20	56	21	48	4	45	31	53	25
19	.....	.....	58	15	28	18	40	20	39	17	54	21	54	18	60	23	49	10	42	27	42	25	49	1	37	22	38	17
20	.....	.....	44	10	26	− 2	24	0	29	− 1	41	7	50	17	60	19	33	1	29	3	40	17	45	− 4	27	15	33	10
21	.....	.....	44	8	24	12	27	13	23	11	34	10	41	15	65	19	30	− 5	34	12	34	18	45	40	24	12	32	10
22	.....	.....	42	0	26	− 6	28	− 4	30	− 9	35	3	36	6	67	15	37	− 4	32	2	40	12	48	− 5	28	10	33	5
23	.....	.....	46	0	41	4	32	1	45	4	44	4	46	7	68	12	38	− 3	34	0	50	12	45	− 6	39	21	38	6
24	.....	.....	54	5	42	22	38	6	49	13	53	5	55	17	61	11	52	2	32	2	48	23	45	− 7	46	25	38	14
25	.....	.....	62	20	35	17	30	17	39	9	45	9	44	11	62	12	43	5	37	13	36	15	42	− 2	26	14	38	10
26	.....	.....	48	0	29	− 3	31	− 2	36	− 3	37	2	37	6	62	11	35	6	38	2	43	11	45	−11	31	14	38	6
27	.....	.....	50	1	44	5	30	− 3	45	8	45	1	51	3	58	11	41	4	39	3	55	10	47	−11	39	26	48	7
28	.....	.....	48	2	38	30	37	13	38	16	45	12	46	20	60	10	44	9	40	8	44	23	45	− 9	36	23	42	14
29	.....	.....	52	15	37	16	37	16	39	9	47	19	.....	.....	57	4	48	9	48	23	50	30	44	−10	39	27	45	23
30	.....	.....	50	25	40	32	41	28	41	25	53	34	55	26	59	26	50	15	46	29	48	28	45	5	46	31	45	34
31	.....	.....	54	30	47	20	46	21	51	22	48	31	.....	.....	61	32	55	36	46	29	47	34	45	1	53	30	48	31
Mns.	.....	.....	52.2	13.1	38.3	16.3	39.1	12.2	41.2	13.7	47.0	14.5	48.8[e]	13.4[e]	57.3	22.5	43.8	11.3	40.8[f]	11.3[f]	46.8	21.1	50.9	2.0	37.3	22.8	43.3	16.6

Date.	Wyoming.				Weston, Idaho.		Utah.																			
	Border.		Evanston.				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	31	4	31	7	36	14	40	17	45	18	44	8	35	17	41	16	38	20	42	18	39	18	38	16	37	26
2	32	0	32	5	40	13	37	17	46	25	38	20	38	12	40	22	43	27	44	19	40	25	45	23	42	29
3	32	22	34	6	40	26	32	17	49	23	39	14	42	20	47	17	43	20	44	17	47	19	43	19	44	29
4	31	21	32	4	37	25	36	20	39	25	43	17	54	19	36	21	43	23	43	10	34	22	45	21	43	26
5	25	0	25	6	32	11	30	20	37	19	27	11	27	9	31	16	31	12	35	10	32	13	34	7	32	23
6	29	0	22	2	36	7	37	15	46	7	28	4	31	14	31	13	31	12	36	10	31	10	32	4	32	18
7	29	0	24	4	36	9	33	17	39	10	31	13	32	15	37	9	34	11	35	13	35	9	32	6	33	18
8	35	− 1	27	6	41	8	30	15	40	10	36	9	35	14	42	14	48	12	41	17	40	21	35	7	37	20
9	34	4	23	6	42	11	42	12	46	17	41	14	32	12	40	18	43	18	45	12	37	11	44	15	42	26
10	31	5	24	7	40	13	37	15	47	19	40	17	37	21	42	12	41	18	43	15	40	15	41	16	38	25
11	37	9	30	10	40	10	38	13	51	19	40	20	40	18	48	12	44	18	47	17	48	25	42	14	42	25
12	39	10	23	10	43	17	36	15	46	20	42	20	38	20	50	14	47	18	47	21	48	20	47	18	46	29
13	40	13	22	− 2	48	15	30	17	61	33	48	27	42	20	53	16	53	21	51	24	53	21	51	19	47	28
14	39	18	22	−11	51	26	33	17	57	27	50	32	48	24	49	17	53	21	52	24	49	20	51	23	51	36
15	39	4	25	6	46	18	35	20	50	25	40	28	49	14	42	19	50	25	42	24	45	22	51	22	44	32
16	39	19	23	6	33	25	40	17	45	22	34	13	33	23	45	12	40	19	34	20	42	15	33	24	35	29
17	28	15	24	− 4	36	23	37	15	42	26	34	23	30	16	47	15	38	25	38	19	41	24	36	16	36	28
18	34	6	21	4	37	17	33	12	52	26	40	23	38	12	50	13	49	23	41	20	49	22	43	11	44	30
19	32	10	24	2	35	14	32	13	40	23	42	23	34	12	40	12	42	20	34	4	43	19	36	16	36	27
20	18	− 2	12	8	22	− 1	32	18	34	12	25	2	25	2	28	9	30	8	32	7	32	13	28	8	30	18
21	16	0	28	23	28	7	34	12	29	16	24	10	25	8	26	10	29	13	28	3	24	13	32	3	31	20
22	10	−15	23	8	24	1	36	4	33	6	34	0	23	− 1	30	4	28	4	30	5	29	8	25	− 6	27	12
23	25	0	15	2	22	− 3	32	1	40	9	32	5	27	1	38	2	32	8	35	15	41	6	27	− 4	30	13
24	24	− 8	17	− 5	30	8	30	− 1	53	18	39	15	33	15	50	16	48	14	34	16	49	15	37	3	35	22
25	26	−10	13	− 8	31	11	28	− 2	42	25	32	16	26	16	33	14	41	18	34	7	39	18	30	18	30	21
26	22	− 6	12	− 1	25	1	30	2	35	4	26	0	25	5	33	7	28	6	35	16	35	0	28	0	31	16
27	19	− 9	29	0	24	− 1	29	3	41	6	29	5	24	5	41	1	32	5	34	11	46	7	30	− 4	32	13
28	25	− 5	32	20	33	1	32	1	35	8	32	8	33	4	36	9	37	9	33	13	38	13	31	2	35	18
29	24	11	28	14	29	15	29	4	46	9	34	9	37	14	44	8	41	28	41	26	39	11	30	0	39	19
30	33	20	18	4	39	26	32	6	49	17	49	26	35	14	50	17	41	28	39	19	42	25	41	23	48	29
31	36	− 2	26	5	33	9	35	2	52	20	47	16	34	12	46	13	52	20	40	20	53	21	43	9	43	26
Mns.	29.4	4.3	23.8	4.3	35.1	12.1	33.8	11.4	36.7	17.5	36.8	14.3	34.9	13.1	40.8	12.8	40.3	16.9	39.0	15.2	40.5	16.2	37.5	11.3	37.8	23.6

[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.