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CLIMATOLOGICAL SERVICE

DISTRICT NO. 10, GREAT BASIN

ALFRED H. THIESSEN
DISTRICT EDITOR

REPORT FOR MAY, 1912

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DISTRICT NO. 10, GREAT BASIN.

ALFRED H. THIESSEN, District Editor.

GENERAL SUMMARY.

For the district as a whole May was favorable for all interests. The temperature averaged below normal, but no injurious frosts occurred, and the fruit crop promises to be heavy. Precipitation averaged below normal, but was sufficient for all purposes.

There was considerable cloudiness, especially in the Utah area, and the wind movement was higher than usual. The average number of rainy days was 5, clear days 12, partly cloudy days 10, and cloudy days 9.

In all parts of the district the crops were put in late, and in general the season is nearly a month later than usual. Up to the present time no injurious floods have occurred, although the streams are quite high, the melting of the snow being kept back by the cold weather. Ranges were in good condition, and forage was abundant.

TEMPERATURE.

The average monthly temperature for the district was 52.9°, which is 2° below normal. The highest local mean temperatures occurred at the lower stations of the Utah area and in the southern half of the Nevada area; and the lowest in the Idaho, Wyoming, and Oregon areas.

The local mean temperature ranged from 42° at Tahoe, Cal., to 64.6° at Lemay, Utah. Nearly all stations in the district reported temperatures below normal, but the greatest minus departures occurred in the northern portions of the Utah and Nevada areas.

The month began moderately warm in all parts of the district, but the weather grew colder after the 1st, and many stations reported their lowest temperatures from the 2d to the 6th. Warmer weather set in near the middle of the month and continued until the 20th, when another cool spell occurred lasting only a few days, the temperature gradually rising and culminating in the warmest weather of the month on the 29th.

The following were the highest temperatures that occurred in the various areas of the several States of this district: 83° at Cokeville, Wyo.; 82° at Weston, Idaho; 95° at Low, Utah; 99° at Jean, Nev.; all of which occurred on the 29th; and 68° at Placer, Cal., on the 17th, and 80° at Burns, Oreg., on the 18th, and at Silver Lake, Oreg., on the 14th.

Very nearly every station in the district reported minimum temperatures below freezing. In the Utah area there were several frosty days in the fruit belts of the State, but so far as ascertained there was no damage, and the general prospects are very good. In the Nevada area light frost formed several times during the month, and heavy frosts were general on the morning of the 22d in the agricultural districts, except in the southern portion, resulting in considerable damage to fruit and garden truck in exposed places, but only slight or no damage in well protected places along the foothills.

The lowest temperature for the district was 12° at Weston, Idaho, on the 3d. In other States having areas in this district the following low temperatures were registered: 18° at Cokeville, Wyo., on the 14th; 16° at Pinto, Utah, 23° at Silver Lake, Oreg., and 22° at Tahoe, Cal., on the 3d; 20° at Millet and Potts on the 4th, at Halleck on the 13th, at Carlin on the 20th, at Lovelocks on the 21st, and at Quinn River Ranch on the 22d, all in Nevada.

PRECIPITATION.

The precipitation averaged 1.09 inches, which is 0.40 inch below normal. The greatest amounts fell in the Utah, Wyoming, Idaho, and Oregon areas; the least in the Nevada area. At Carlin, Nev., no rain occurred, and the largest local monthly amount was 3.38 inches at Tahoe, Cal. Very few stations reported amounts above normal, and the average in every State was below normal, except in the Wyoming area, where more than the normal amount was recorded.

Precipitation was well distributed throughout the month, the largest amounts falling during the first decade in all except the Oregon area, where the wettest period extended from the 19th to the 29th, inclusive.

Most of the precipitation was in the form of rain, but some snow fell at the higher stations. The cold weather of the past three months retarded the melting of the snow in the mountains, and in consequence the period of high water in all districts was later this year than usual. The snow cover toward the close of the month was diminishing rapidly.

NOTE.—One of the cooperative observers of the Utah section, Mr. B. F. Eliason, contributes an interesting article on his snow survey of the Pole Creek Watershed. It is to be regretted that Mr. Eliason had no instrument with which to measure snow density, but his stick measurements will be valuable in making comparison in future seasons, and especially so if he will make the surveys personally.

SNOW SURVEY ON POLE CREEK WATERSHED, SANPETE COUNTY, UTAH.

By B. F. ELIASON, Cooperative Observer, Moroni, Utah.

Pole Canyon is the source of a large part of the irrigation water used in the neighborhood of Moroni and Freedom, in Sanpete County, Utah, and it is an important watershed to the farmers in this section of the country. It was for this reason I decided to make an examination of the snow supply on this watershed this spring. Being unable to get anyone to accompany me, I made the trip alone on the 28th of April, 1912.

It was impossible at that time to procure a snow sampler, or tube, and scales, so my equipment consisted of a long measuring stick, with proper foot and inch markings to facilitate making the measurements. This, with a pair of web snowshoes and some eye shields, completed the outfit. I contemplated taking my rifle, but it was well that I did not do so, for the only living thing seen on the trip was a single grouse. Chicken tracks were numerous among the balsams, as were those of mice and chipmunks, but no others were seen.

It was a very pleasant day, the sky being lightly overcast and the sun glare being absent from the snow. This being my first extensive snowshoe trip, the start was made early from my residence, near Moroni. A mile and a half on horseback brought me to the edge of the snow fields,

at an elevation of about 7,200 feet above sea level, or about 1,200 feet above my ranch. The snow layer became continuous at the foot of the mountains, which are about 6 miles a little north of due west from the town of Moroni and near the eastern border of the Nebo National Forest. My horse was picketed here and the webs were tied to my feet.

The first measurement near here, on Smiths Flat, about 1 rod from the edge of the snow, was 18 inches; another average measurement was 20 inches, these being the only soundings made in this region. The snow was fairly solid, with a 4-inch crust on top and another crust 10 inches beneath the surface; but on my return in the early afternoon the crust was gone and my dog had to be carried out of the soft snow.

The road was followed from here west, up the wash toward Dutchmans Flat. Eight measurements of the depth gave an average of 33 inches, the depth of the snow increasing with the elevation. On the sidehills the snow was heavier than on the bottoms, being less affected by the sun's rays. On the crest of the gradual slope which is called Dutchmans Flat there was less snow than on the slope. I crossed the flat proper going and coming. A great deal of the early irrigation water comes from here, and by crossing twice the resultant figures of snow depth were fairly representative. Fifteen measurements here ran from 12 inches on the open part of the flat to 46 inches on the timbered slope, the average being 28 inches of solid snow, as most of it faced the sun.

Slightly higher and to the west is the Dry Lake Flat, so called from a lake thereon which dries up in late summer. Here the snow was from 18 inches on the flat to 57 inches on the sidehill near the edge of the flat. The average here includes several measurements taken on the sidehill of the flat and for 21 measurements was 35 inches, the depth being slightly greater on the upper part of the flat than on the lower portion. Five measurements made in the bottom of Left Hand Fork of Pole Creek gave an average of 32 inches. Continuing upward, the sidehill to the south was climbed, where the snow was of very uniform depth and density, apparently, averaging 44 inches deep. It might be well to state here that all measurements are made perpendicular to the snow surface and not vertically.

On reaching the top of the ridge the labyrinth of ledges and chasms known as Maple Canyon unfolded itself before me. At one point the snowshoes were removed, and I crawled to the edge of a precipice, which is a sheer drop of about 1,000 feet. The entire region here for 2 miles south is a conglomerate mass, composed of caves, chasms, and natural bridges. This snow goes to another watershed, but owing to the very rough and broken nature of the region the snow is of little consequence. However, farther south, on the slopes that face the north, the snow drifts to great depths from an immense flat on top of the mountain above to the southwest and the southeast. The only region of probable snowslides is at the head of Currant Canyon, in this vicinity. The easterly slope here, to the Pole Canyon drainage area, gave an average depth of 33 inches. A little farther on the top of the mountain was reached, where, owing to drifting, the snow was very irregular in depth. The top here is a backbone with a layer of 34 inches of snow on the northeast side, while the southwest side is bare.

From here a drop of 150 yards was made below the drift, and around the head of Left Hand Fork, making 19 measurements on the way, the mean of which was 33 inches on the south hollow and 38 inches on the north hollow. The climb to the top was made here at the head of Hog's Gulch in the Levan watershed. Measurements near the top, but on the Pole Canyon side, were 58 inches in depth. Three measurements at the head of Hog's Gulch averaged 58 inches. From here the head of Right Hand Fork of Pole Creek was covered, with an occasional trip to the top. The depth below the crest drift was about 40 inches, while in places the drift was from 20 to 30 feet in depth and as hard as ice. The measuring stick could not be driven into the face of it. The slope here was such that traveling was very difficult. Here is the only place an avalanche could occur on the Pole Canyon watershed, but when they do occur they are so small that no damage is done.

Coming to the top again at Joe's Springs Trail below Monument Peak, the snow layer was 48 inches thick and very uniform, as the top here is nearly flat, and no drifting of importance occurs here. The climb from here for the next half mile is up Monument Peak to an elevation of 9,000 feet. The south, southwest, and west slopes here were bare, with an immense drift on the east. The north side of the peak, above the drift, gave a depth of 76 inches or more in several places. From here the route led west through the Ranger Station pasture over snow from a trace to 49 inches deep, the average for five measurements being 31 inches. The Moroni Cowboy Cabin was all but buried under a snow layer of 62 inches, while the corral 300 yards south was submerged save for the tops of the posts. There was 52 inches of snow here, this being a small flat on the top of Corral Ridge.

The trail from here led homeward. The road around the ranger pasture was followed, and as it is cut through an aspen thicket, some fairly deep drifts were encountered, averaging well above the 7-foot posts in the fence. Emerging from the timber to the wind-swept Salt Ridge the ground was bare as this is the crest of the mountain, having an elevation of about 8,900 feet. To the northwest is one of the largest drifts of this region, as it usually lasts until August; but as it is on the Birch Creek watershed it is beyond our present consideration. The pasture and corral previously mentioned are likewise beyond the present range of observations, being in the Levan watershed.

Following around the north side of Monument Peak on the Birch Creek drainage basin, the mean of seven measurements was 53 inches. East of the peak, on Pole Canyon drainage area, the snow was 44 inches deep over the entire region, while at the Burned Corral below the Joe's Spring Pass the snow measured 35 inches. From here east to the abandoned coal mines the travel was on 40 inches of snow, and around the mines the average depth was about 26 inches. The ice on the lake south of here was buried under 30 inches of snow, as indicated by surrounding country, while a series of 30 measurements in the vicinity of Jack Springs averaged 52 inches. The reason for the large number of measurements here is that region is almost identical with the large flat region which constitutes the greater portion of the upper part of the Pole Creek watershed.

Below here is a flat where the water from the lake joins that from the west; on this flat the snow was 40 inches deep. The figures below here are included in those of other regions farther down the canyon.

The average for the entire Pole Creek watershed was about 41 inches deep from about 160 measurements. Northeast of the region traversed is a large scope of country nearly level which carried about 2 feet of snow, but the sun and wind get most of it, so it is of no consequence to irrigators.

The entire trip required about six hours, the distance covered being between 8 and 9 miles. It was probably the most enjoyable trip the writer has ever had in this region.

TABLE 1.—*Climatological data for May, 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	46.2	− 0.5	80	29	21	14	47	1.76	+ 0.24	0.49	.....	6	13	2	16	w.	S. W. Condron.
Cokeville	....do	6,204	2	46.3	.....	83	29	18	14	53	1.53	.....	0.43	.....	11	23	6	2	nw.	E. J. Tuckett.
Evanston	....do	6,860	16	44.4	− 1.5	76	29	21	14	43	1.97	+ 0.22	0.67	9.0	11	9	16	6	w.	Frank Tucker.
Idaho.																				
Geneva	Bear Lake	6,171	4	.....	.....	.....	.....	.....	.....	.....	0.44	.....	0.15	0	4	19	10	2	.....	F. W. Boehme.
Grace	Bannock	5,400	5	50.2	.....	81	29	25	1	46	0.93	.....	0.40	1.0	7	15	5	11	n.	Donald R. Shirk.
Paris	Bear Lake	5,946	17	44.0	− 5.3	75	28†	12	3	43	1.22	− 0.04	0.34	T.	5	21	2	8	n.	John Norton.
Weston	Oneida	4,460	14	50.4	− 1.8	82	29	26	6	43	1.60	− 0.69	0.51	0	8	8	7	16	sw.	Wm. T. Chatterton.
Utah.																				
Alpine	Utah	4,900	13	.....	.....	.....	.....	.....	.....	.....	0.79	− 1.83	0.40	.....	3	8	18	5	.....	T. F. Carlisle.
Beaver	Beaver	6,000	8	52.2	.....	84	17	23	2†	47	0.22	.....	0.14	.....	2	4	20	7	s.	E. D. Bacon.
Black Rock	Millard	4,872	8	53.0	.....	88	29	23	14†	52	0.42	.....	0.20	0	3	12	15	4	.....	W. D. Livingston.
Burrville	Sevier	.....	1	45.5	.....	81	29	21	14†	47	0.80	.....	0.50	.....	3	.....	.....	.....	.....	F. R. Curtis.
Castle Rock	Summit	6,244	7	.....	.....	.....	.....	.....	.....	.....	2.26	.....	0.60	16.0	15	6	10	15	w.	David Moore.
Cedar City	Iron	5,750	7	55.4[b]	.....	85	29	27	2	37	0.60	.....	0.27	.....	5	12	11	8	sw.	Parley Dalley.
Center	Tooele	.....	.....	51.4	.....	86	29	22	15	48	0.62	.....	0.29	2.0	4	9	18	4	n.	L. C. Peterson.
Clarkston	Cache	.....	.....	.....	.....	.....	.....	.....	.....	.....	1.30	.....	0.75	.....	3	7	9	15	.....	W. J. Griffiths.
Corinne	Boxelder	4,240	42	52.6	− 7.6	87	29	30	23	44	0.82	− 0.64	0.35	.....	4	14	3	14	.....	A. C. Murphy.
Deseret	Millard	4,541	17	55.4	− 0.5	89	29	27	14	48	0.52	− 0.64	0.26	T.	4	11	6	14	s.	S. W. Western.
Erekson	Tooele	.....	.....	.....	.....	.....	.....	.....	.....	.....	1.34	.....	0.59	6.5	8	.....	.....	.....	.....	N. W. Erekson.
Enterprise	Washington	4,270	6	.....	.....	.....	.....	.....	.....	.....	0.41	.....	0.41	0	1	11	8	12	s.	John Day.
Fairfield	Utah	4,866	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	W. Harden Ashby.
Farmington	Davis	4,267	11	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Charles Boylin.
Fillmore	Millard	5,100	20	57.0	− 0.4	90	29	31	14	43	1.32	− 0.43	0.38	.....	8	.....	.....	.....	.....	J. J. Starley.
Frisco	Beaver	7,318	16	53.6	− 1.6	85	29	28	1†	42	0.00	− 0.87	0.00	0	0	.....	.....	.....	.....	Essen Nordberg.
Garrison	Millard	.....	9	.....	.....	.....	.....	.....	.....	.....	T.	.....	T.	0	0	17[h]	1[h]	5[h]	s.	E. M. Smith.
Government Creek	Tooele	5,277	11	52.1	− 0.9	86	29	27	14	38	1.18	− 0.31	0.40	5.0	5	9	5	17	s.	Walter James.
Granger	Salt Lake	.....	.....	52.7[d]	.....	83[d]	18	32	3†	41	1.66	.....	0.80	.....	4	.....	.....	.....	.....	Geo. E. Greene.
Grantsville	Tooele	.....	1	.....	.....	.....	.....	.....	.....	.....	0.98	.....	0.50	0	6	17	5	9	s.	J. C. Woodmansee.
Grouse Creek	Boxelder	.....	4	.....	.....	.....	.....	.....	.....	.....	1.17	.....	0.62	T.	8	4	12	15	nw.	Philip Paskett.
Heber	Wasatch	5,606	19	48.1	− 3.8	85	29	23	6	51	1.23	− 0.39	0.55	4.0	6	14	11	6	s.	John Crook.
Henefer	Summit	5,301	12	49.0	− 1.9	84	29	23	14	52	1.89	− 0.05	0.75	7.5	11	8	7	16	nw.	William Brewer.
Hooper	Weber	4,436	1	.....	.....	.....	.....	.....	.....	.....	1.10	.....	0.70	0	2	.....	.....	.....	.....	T. M. Jones, jr.
Ibapah (near)	Tooele	7,500	8	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	J. S. Lawton.
Ibex	Millard	.....	1	58.0	.....	86	17†	31	3	37	0.36	.....	0.15	0	4	4	6	21	n.	John J. Watson.
International	Tooele	5,370	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	I. S. R. Co.
Iosepa	....do	.....	1	56.6	.....	90	29	29	14	43	0.33	.....	0.26	0	2	9	7	15	n.	Geo. K. Hubbell.
Joy	Juab	.....	.....	54.8	.....	86	29	30	5	44	0.20	.....	0.15	.....	3	.....	.....	.....	.....	A. M. Laird.
Junction	Piute	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.16	.....	0.10	0	2	7[e]	19[e]	0[e]	s.	Joseph Jensen.
Kanosh	Millard	5,250	2	.....	.....	.....	.....	.....	.....	.....	1.45	.....	0.50	.....	4	.....	.....	.....	.....	Geo. Crane.
Kelton	Boxelder	4,230	32	52.6	− 5.7	83	29	25	2	43	0.52	− 0.32	0.35	T.	2	1	24	6	se.	F. W. Klock.
Lemay	....do	.....	1	64.6	.....	89	31	36	2	22	0.75	.....	0.40	0	3	13	9	9	.....	Agent S. P. Co.
Levan	Juab	5,010	22	52.2	− 2.1	85	29	27	5†	43	1.14	− 0.63	0.42	3.8	6	17	2	12	sw.	William Brown.
Logan	Cache	4,507	21	52.4	− 2.1	82	29	30	2	34	2.22	− 0.15	0.63	.....	14	.....	.....	.....	.....	Utah Exp. Station.
Low	Tooele	.....	.....	59.8	.....	95	29	33	6	45	0.08	.....	0.04	.....	3	17	7	7	n.	Agt. W. P. Ry. Co.
Lucin	Boxelder	4,504	5	53.2	.....	88	18	28	2	44	T.	.....	T.	T.	0	15	8	8	.....	R. G. Crocker.
Lund	Iron	5,086	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Job F. Hall.
Manti	Sanpete	5,575	17	51.7	− 4.1	83	29	21	4	45	1.11	− 0.07	0.31	.....	9	6	5	20	.....	J. M. Anderson.
Maple Creek	Utah	.....	.....	.....	.....	.....	.....	.....	.....	.....	1.68	.....	0.63	.....	8	15	7	9	.....	Lewis W. Gillilan.
Marion	Summit	6,750	7	.....	.....	.....	.....	.....	.....	.....	2.19	.....	0.70	12.0	13	3	7	21	nw.	Jas. Woolstenhulme.
Marysvale	Piute	6,076	12	51.4	+ 0.7	87	29	20	14	51	0.20	− 0.85	0.09	0.2	7	7	7	17	n.	John W. Henry.
Meadowville	Rich	6,200	11	48.3	− 0.3	84	29	25	14	47	1.62	− 0.24	0.60	10.5	8	16	7	8	w.	J. S. Moffat.
Mercur	Tooele	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	T. H. Franklin.
Midlake	Boxelder	.....	1	57.8	.....	77	30	38	3	27	0.30	.....	0.20	.....	2	9	14	8	e.	Agent S. P. Co.
Midvale	Salt Lake	.....	.....	56.8[b]	.....	88	18	29	6†	48	1.88	.....	0.95	0	7	13	13	5	s.	M. J. Joy.
Milford	Beaver	4,962	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Agent Salt Lake Route.
Millville	Cache	4,848	17	.....	.....	.....	.....	.....	.....	.....	2.41	+ 0.11	0.54	.....	11	4	25	2	s.	Fred Yeates.
Minersville	Beaver	5,070	8	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	George Roberts, sr.
Modena	Iron	5,479	11	51.4	− 3.1	82	29	24	4	42	0.33	− 0.54	0.14	0.8	5	8	16	7	sw.	U. S. Weather Bureau.
Morgan	Morgan	5,068	7	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Dr. W. Visick.
Moroni	Sanpete	5,519	4	51.0	.....	82	29	25	5†	37	1.10	.....	0.57	7.8	7	4	14	13	sw.	B. F. Eliason.
Mosida	Utah	.....	.....	55.2	.....	92	29	30	5	46	1.55	.....	0.68	.....	9	23	5	3	.....	R. P. Curtis.
Mount Nebo	....do	4,650	9	56.2	.....	90	29	28	5	45	0.94	.....	0.30	.....	8	18	8	5	s.	D. C. Walkey
Nephi (near)	Juab	.....	7	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	S. Boswell.
Newcastle	Iron	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	T. W. Jones.
Oak City	Millard	4,900	5	57.9	.....	91	29	30	14	43	1.93	.....	0.59	2.0	7	8	19	4	.....	Peter Nielson.
Ogden	Weber	4,310	41	63.9	+ 1.2	83	21†	39	2	31	2.22	+ 0.40	0.92	.....	7	17	8	6	s.	A. Van De Graff.
Panguitch	Garfield	.....	.....	48.0	.....	82	29	18	14†	52	T.	.....	T.	0	0	17	11	3	.....	John N. Henrie.
Park City	Summit	7,800	7	50.4	.....	76	31	19	2	42	0.35	.....	0.09	.....	10	12	15	4	.....	Gertrude Evans.
Park Valley	Boxelder	.....	1	.....	.....	.....	.....	.....	.....	.....	0.53	.....	0.15	.....	5	13	11	7	nw.	A. O. Evans.
Parowan	Iron	5,970	21	52.0	− 3.0	85	29	28	2	37	0.60	− 0.53	0.20	2.0	8	17	9	5	.....	Alex Matheson.
Payson	Utah	4,637	8	.....	.....	.....	.....	.....	.....	.....	2.24	.....	0.74	2.0	6	9	15	7	nw.	D. L. Coombs.
Pelican Point	....do	4,600	1	.....	.....	.....	.....	.....	.....	.....	1.26	.....	0.60	0	4	25	4	2	.....	B. M. Mendenhall.
Pine Cliff Ranch	Summit	.....	1	.....	.....	.....	.....	.....	.....	.....	2.33	.....	0.93	.....	5	.....	.....	.....	.....	L. E. Leavitt.
Pinto	Washington	5,907	14	46.7[d]	− 2.8	77	28	16	3	55	0.46	− 0.49	0.33	.....	3	15[b]	6[b]	8[b]	s.	J. H. Harrison.
Plentiful	Tooele	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Promontory	Boxelder	4,913	33	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	F. C. Houghton.
Provo	Utah	4,532	23	54.4	− 3.1	91	29	25	14	54	1.25	− 0.55	0.65	.....	5	7	22	2	n.	James A. Oliver.
Randolph	Rich	6,442	10	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Wm. Rex.
Revier	Salt Lake	.....	1	.....	.....	.....	.....	.....	.....	.....	1.05	.....	0.43	0	7	.....	.....	.....	.....	E. L. Terry.
Richfield	Sevier	5,350	18	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Joseph J. Jensen.
Richmond	Cache	.....	.....	.....	.....	.....	.....	.....	.....	.....	2.70	.....	0.55	.....	13	6	15	10	s.	J. R. Thompson.
Saltair	Salt Lake	4,220	8	56.3	.....	84	29	35	3	35	0.88	.....	0.44	.....	3	.....	.....	.....	.....	E. J. Bench.
Salt Lake City	....do	4,360	38	55.8	− 2.5	85	29	31	3	31	1.75	− 0.20	1.00	2.0	7	14	10	7	nw.	U. S. Weather Bureau.
Scipio	Millard	5,260	17	52.0	− 1.3	83	17	21	14	49	1.23	− 0.30	0.41	3.0	6	7	5	19	sw.	Thos. Memmott.
Showell	Boxelder	.....	.....	49.6	.....	86	29	21	14	56	0.98	.....	0.35	.....	6	11	14	6	.....	Richard Ilgner.
Silver City	Juab	6,127	2	.....	.....	.....	.....	.....	.....	.....	1.29	.....	0.34	0	10	10	18	3	sw.	J. L. Stark.
Spanish Fork	Utah	4,585	2	55.2	.....	87	29	22	10	41	1.75	.....	0.81	.....	6	6	19	6	.....	U. S. Rec. Service.
Strawberry Tunnel, west.	....do	7,650	6	44.0	.....	74	29	18	6†	39	1.88	.....	0.65	15.1	9	9	14	8	.....	Do.
Thistle	....do	5,075	18	51.0	− 3.1	90	28	22	14	58	1.68	+ 0.47	0.96	.....	5	6[a]	17[a]	7[a]	s.	John Thorgierson.
Tooele	Tooele	4,900	16	53.7	− 1.7	85	29	31	3†	35	1.87	− 0.54	0.76	.....	8	0	9	22	ne.	E. A. Bonelli.
Utah Lake Pumping Station.	Utah	4,500	7	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	W. A. Knight.
Vernon	Tooele	.....	.....	.....	.....	.....	.....	.....	.....	.....	1.24	.....	0.36	3.0	8	9	16	6	nw.	Glynn Bennion.

TABLE 1.—*Climatological data for May, 1912. District No. 10*—Continued.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahrenheit.							Precipitation, in inches.				Sky.				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.	Prevailing wind direction.	
Utah—Continued.																			
Wendover	Tooele		1	62.2		92	29	42	1	37	0.20		0.13		3	13	11	7	sw.	J. S. Cooper.
Whisky Creek	Millard		1								0.50		0.40		2					George Stevens.
Winder	Garfield																			Q. K. Kimball.
Woodruff	Rich	6,500	10																	J. Sidney Pussey.
Oregon																				
Burns	Harney	4,157	21	51.6		80	18	25	22	42	1.69		1.00	0	7	14	11	6	w.	J. C. Welcome, jr.
Cliff	Lake	4,300	5																	John C. Green.
Paisley	do	4,500	9																	E. C. Woodward.
Silver Lake	do	4,700	15	48.9	+ 0.1	80	14	23	3	48	1.44	+ 0.21	0.32	0	8	13	13	5	sw.	Geo. W. Marvin.
California.																				
Tahoe	Placer	6,240	2	42.2		68	17	22	3	35	3.38		1.35	20.0	10	17	2	12	w.	R. M. Watson.
Truckee	Nevada	5,819	41																	Southern Pacific Co.
Nevada.																				
Austin	Lander	6,594	23																	F. O. Booe.
Battle Mountain	do	4,843	41	53.4	− 3.9	84	19†	22	22	48	0.20	− 0.55	0.20	0	1	20	7	4	w.	Southern Pacific Co.
Beowawe	do	4,905	41																	Do.
Carlin	Elko	5,232	41	51.9	− 1.2	89	24	20	13†	59	0.00	− 0.64	0.00	0	0	26	0	5		Do.
Carson Dam	Churchill	4,032	5	57.2		84	27	31	21	37	0.43		0.25	T.	2	18	6	7	w.	U. S. Reclamation Service.
Cherry Creek	White Pine	6,450	4	50.6		88	17	23	2	49	0.60		0.30	0	7	13	13	5	w.	J. H. Leishman.
Clover Valley	Elko	6,000	11	50.6	− 0.4	83	17	22	14	56	0.51	− 1.07	0.17	0	6	4	19	8		I. F. Wiseman.
Columbia	Esmeralda	5,750	5	55.6		85	29	26	4	42	0.17		0.10	T.	3	16	12	3	se.	A. Booth.
Dry Farm	Elko		0																	Walfrid Sohlman.
Elko	do	5,432	41	50.2	− 3.8	83	29	24	4†	50				T.		12	11	8	w.	E. J. Clark.
Ely	White Pine	6,421	21	49.6[i]	− 1.1	77[i]	17	21[i]	3	43[i]	0.11	− 0.68	0.06	1.5	2				n.	R. F. Mathias.
Eureka	Eureka	6,500	9	50.2		81	29	24	4†	43	0.80		0.23	2.0	11	8	7	16	s.	Clay Simms.
Fallon	Churchill	3,965	7	56.4		86	28	29	21	45	0.43		0.25	0	4	22	5	4	ne.	U. S. Experiment Station.
Fernley	Lyon	4,200	39	56.4	− 2.2	89	28	28	21	46	0.43	− 0.04	0.25	0	4	14	11	6	w.	Mrs. G. A. Steele.
Gardnerville	Douglas	4,830	12																	W. M. Maule.
Geyser	Lincoln		8																	Mrs. J. F. Wambolt.
Glenbrook	Douglas		3																	C. C. Henningsen.
Golconda	Humboldt	4,697	33	55.1	− 1.5	85	17†	25	22	46	0.53	− 0.27	0.34	0	3	6	9	16	w.	Southern Pacific Co.
Halleck	Elko	5,631	19	49.6	− 2.5	84	17	20	13	50	0.41	− 0.61	0.18	1.0	4	14	17	0	w.	Do.
Hawthorne	Mineral	4,659	18	57.6	− 1.4	89	29	32	22	39	0.47	+ 0.11	0.23	0	4	16	13	2	sw.	G. B. Stannard.
Jean	Clark	2,074	4	61.4		99	29	30	16	60	0.10		0.10	0	1	23	8	0	ne.	Salt Lake Route.
Lahontan	Churchill		0	60.6		93	28	34	20	39	0.32		0.18	0	3	19	10	2	w.	U. S. Reclamation Service.
Lewers' ranch	Washoe	5,500	24																	Ross Lewers.
Lovelocks	Humboldt	3,977	18	56.0	− 4.0	89	29	20	21	46	0.16	− 0.15	0.10	0	2	8	19	4	s.	A. P. Tilford.
Millett	Nye		4	51.0		84	29	20	4	50	0.29		0.20	0	2	15	11	5	w.	Fred J. Jones.
Mina	Mineral	4,600	5	55.5		87	28	26	2	42	0.25		0.25	0	1	20	0	11		Southern Pacific Co.
Potts	Nye	6,990	19	47.5	− 5.7	81	28†	20	4	51	0.48	− 0.59	0.30	0	3	9	3	19	n.	Miss Mamie Potts.
Quinn River ranch	Humboldt	4,850	10	53.6	+ 0.6	85	17	20	22	52	0.07	− 0.37	0.04	0	2	10	8	13	w.	F. M. Payne.
Rebel Creek	do		0	51.8		82	17	24	22	49	1.40		0.35	1.0	9	11	14	6	sw.	E. J. Hyatt.
Reno	Washoe	4,532	41	53.5	− 0.1	84	28	32	1	44	0.26	− 0.53	0.15	0.5	5	13	10	8	w.	U. S. Weather Bureau.
Soda Lake	Churchill	4,534	5	57.4		85	28	30	21	41	0.35		0.11	0	5	12	15	4	sw.	U. S. Reclamation Service.
Tecoma	Elko	4,812	34	57.8	+ 2.6	80	18†	28	10	40	T.	+ 0.69	T.	0	0	20	10	1	e.	Southern Pacific Co.
Tonopah	Nye	6,090	7	53.2		80	28	25	2	36	0.15		0.14	T.	2	13	15	3	nw.	U. S. Weather Bureau.
Wells	Elko	5,631	40					28	16		0.12	− 0.80	0.07	0	2	24	4	3		Southern Pacific Co.
Winnemucca	Humboldt	4,432	33	54.2	− 0.2	84	17	25	22	44	0.52	− 0.51	0.19	0.2	6	10	11	10	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 May, 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	.24	T.	.20	.26	T.				T.	T.	T.	.35							T.	T.	T.	.49				T.				.22		1.76
Cokeville	do	.02		.23	.20	.02					.43	.09	.06							T.		.18	.10					.03			.17		1.53
Evanston	do	.08	.17	.67	.14				.05	.02	.27	T.	T.	.03							.11	T.	T.				.04	T.			.39		1.97
Idaho.																																	
Geneva	Bear		.12			T.				.01		.15								.07		.15									.10		0.44
Grace	do	.10							.34	.25										.20		.40	.02				.05						0.93
Paris	do			.24																.10										.29			1.22
Weston	do			.04		.07			.06		.10										.13	.45	.24								.51		1.60
Utah.																																	
Alpine	G. S. Lake			.26	.13																										.40		0.79
Beaver	Sevier Lake		T.	.08	T.		T.	T.	T.	.14	T.	T.		T.																	T.		0.22
Black Rock	do									.14	.08																				.20		0.42
Burrville	do		.20							.10	.50																						0.80
Castle Rock	G. S. Lake	.10	.05	.60	.05	.02			.07		.45	.07	.02	.05							.14	.03	.05				.06				.56		2.26
Cedar City	Desert		.15		.03	.06				.27		.09		T.																			0.60
Center	do		T.	.02	.22	T.	T.	T.	T.	T.	.09										T.	T.	T.								.29		0.62
Clarkston	G. S. Lake																			.10		.75									.45		1.30
Corinne	do								T.	T.										.10	.12									.35	.25		0.82
Deseret	Sevier Lake		.02		.16						.08									T.											.26		0.52
Erekson	Desert		.09		.59	.06	.05		.07		.18											.07									.23		1.34
Enterprise	G. S. Lake	T.								T.	.41																						0.41
Fairfield	do																																
Farmington	do																																
Fillmore	Sevier Lake		.29	.14	.18		T.		.01	.14	.16			T.						.02											.38		1.32
Frisco	Desert																																
Garrison	do									T.																	T.				T.		
Government Creek	do				.40	.15			.08		.15																				.40		1.18
Granger	do		T.	.80	.11																	.05								.70			1.66
Grantsville	G. S. Lake			.20	.15					.08											.03	.02									.50		0.98
Grouse Creek	Desert	T.	T.	T.	.03	T.			T.	.02	.07	T.	T.							T.	.06	.62	.04				.01			T.	.32		1.17
Heber	G. S. Lake		T.	.36	.06					T.	T.			.12							.08	T.	.06								.55		1.23
Henefer	do	.07	.03	.75	.06			T.	T.	.05	T.	T.		T.							.10	.02	.05				.04	.04			.68		1.89
Hooper	do																					.70					.40						1.10
Ibapah [near]	Desert																																
Ibex	do		T.	T.				.15		.10	.02																.09						0.36
International	G. S. Lake																																
Iosepa	Desert		T.	T.	.07			T.	T.	T.	T.									T.		T.									.26		0.33
Joy	do		.03							.02												T.									.15		0.20
Junction	Sevier Lake		T.				T.			.10	.06			T.						T.													0.16
Kanosh	do		.43	.21							.31																				.50		1.45
Kelton	G. S. Lake	T.	T.								.35																				.17		0.52
Lemay	Desert	T.		T.						.40											T.	.25									.10		0.75
Levan	Sevier Lake		.28	.21	.17						.02											.04									.42		1.14
Logan	G. S. Lake	.02	.02	.40	.20	.01					.03	.05	.03							.02	.27	.46				.07				.63	.01		2.22
Low	do				.01																	.04									.03		0.08
Lucin	Desert																			T.													T.
Lund	do																																
Manti	Sevier Lake		.30	.18	.09	.02			T.		.08			.02						.07	.04										.31		1.11
Maple Creek	G. S. Lake		.03	.43	.31						.10			.03						T.		.08	.07								.63		1.68
Marion	do	.03	.02	.52	.14	.05	T.	T.	.05	.04	.14	T.	T.	T.						T.	.06	T.	.26	.07			T.				.70	.11	2.19
Marysvale	Sevier Lake		T.	.01	T.	T.	.04	T.	.01	.03	.09		T.	.01						.01											T.		0.20
Meadowville	G. S. Lake	T.	.05	.60	.35						.05	T.									.10	.20	.12				T.				.15		1.62
Mercur	do																																
Midlake	do			.20																		.10											0.30
Midvale	do		.26	.95		.05														.06		.02								.43	.11		1.88
Milford	Sevier Lake																																
Millville	G. S. Lake	.03		.38	.05	.39					.15	.07	.06								T.	.54	.30				.06				.38		2.41
Minersville	Sevier Lake																																
Modena	Desert		.14	.09		.05	T.			.04	.01																						0.33
Morgan	G. S. Lake																																
Moroni	Sevier Lake	T.	.09	.57	.08	T.		T.	T.	.07	.11			T.						T.	.01					T.	T.			T.	.17		1.10
Mosida	G. S. Lake			.12	.13	.15			.07	.12	.03										.11	.14									.68		1.55
Mount Nebo	do		.03	.16	.26	.01			.06	T.	.10											.02									.30		0.94
Nephi (near)	do																																
Newcastle	Desert																																
Oak City	Sevier Lake		.44	.03	.31					.05	.59									.06											.45		1.93
Ogden	G. S. Lake	.09		.28	.07			.37		.32	.17																				.92		2.22
Panguitch	Desert								T.																								T.
Park City	G. S. Lake	.01	.01	.02	.01				.03		.06					.05	.01				.06				.09								0.35
Park Valley	Desert					.10				.07	.10											.15									.11		0.53
Parowan	do		.20	.05	.05	.10	T.			.11	.02			.02																	.05		0.60
Payson	G. S. Lake		.27	.71	.07						.40											.05									.74		2.24
Pelican Point	do			.32							.22											.12								.60			1.26
Pine Cliff ranch	do	.15	.20		.70																	.35								.93			2.33
Pinto	Desert			.33						.08		.05																					0.46
Promontory	G. S. Lake																																
Provo	do			.35	.05						T.									.10		.10									.65		1.25
Randolph	do																																
Revier	do		.08	.32	.03	.06			.09													.04									.43		1.05
Richfield	Sevier Lake																																
Richmond	G. S. Lake	.20	.04	.40	.09	.13			T.		.20		.05							.16	.36	.55				.04				.30	.18		2.70
Saltair	do			.42																T.	.02										.44		0.88
Salt Lake City	do	T.	.05	1.00	.12	T.														.02		.05					.01				.50		1.75
Scipio	Desert		.41	.06	.18	T.	T.		T.	T.	.16			T.						.05		T.				T.					.37		1.23
Showell	do	.10				.08				.19	.16												.35								.10			0.98
Silver City	do		.08	.15		.06	.02	.04	.05	.34	.22												.04									.29		1.20
Spanish Fork	G. S. Lake		.07	.55	.14			T.	T.		.08										T.	.10	T.									.81	T.	1.75
Strawberry Tunnel, west.	do		.24	.65	.35			T.	.07	T.	.10			.10						T.	.09		.01				T.			T.	.27		1.88
Thistle	do	T.		.96	.12	T.	T.	T.	T.		.12			T.							T.	.12	T.								.36		1.68
Tooele	do	.01	.06	.76	.20	.01			T.	T.	.06									T.	T.	.03									.74		1.87
Utah Lake pumping station.	do																																
Vernon	Desert		.31	.03	.02						.21									.20		.07					.04				.36		1.24
Wendover	do									.06																	.01				.13		0.20
Whisky Creek	do				.40						.10																						0.50
Winder	Sevier Lake																																
Woodruff	G. S. Lake																																

TABLE 2.—*Daily precipitation for May, 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.																																	
Adel	SE. drainage																																
Ana River	do	.25	.02			.33				.15									T.	T.	T.	.27			T.	.17				.30			1.49
Bear Valley	do															.06					.04	.12			.02	1.18	.80						2.22
Burns	do	.02				.01												T.		.05					1.00	.15	.11			.35			1.69
Burns Mill	do																			.03	.11	.15	.04		.78	.38	.30	.05		.12	.35		2.31
Christmas Lake	do	.20			T.	.35			T.	.18						T.			.17	.03	.04	.05	.02	T.	.08	.25	.15		T.	.35			1.87
Cliff	do																																
Diamond	do	.25	.03																			.26	.06		T.	.08	.43	.05		.40			1.56
Embody	do	.09				.12													T.			.02	.03	.06	.05	.02	.01	.03	.04				0.47
Fort Rock	do	.03				.26												T.	.09	.02	.04	T.	T.	T.	.30	.37	.12	T.	T.	.22			1.45
Paisley	do																																
Seneca	do	.17	.10		.05														.22	.20	.10	.25		.03		1.14	.24	.06	T.	.47			3.03
Silver Lake	do	.32					.32												.15				.15		.10	.13	.08			.19			1.44
Valley Falls	do																																
California.																																	
Bijou	Truckee	.79	.12			.08	T.	.06	T.											T.	.68	.06	T.		T.	.07				T.			1.86
Boca	do																																
Bridgeport	East Walker	.10	.75	.25		.10	.30	.30	.25	.10											.25												2.40
Deer Park	Truckee	.76	.90		T.															.63	1.43	.54	.55	.44			.47						5.72
Glen Alpine	do	.85				.90													.70	.60	.50	.30			.40	.10							4.35
Hobart Mills	do	.54	.05			.19		.01	.06											*	.15	.03	.10	.13			.07	.05		T.	.12		1.50
Lundy	East Walker						.90	.70													*	.60				T.							2.20
McKinney	Truckee																																
Markleeville	East Carson	T.	.43		T.	.30		T.													.10	T.				.11							0.94
Shields Ranch	East Walker	.05	.17			.26	.04	T.	.03	.14											.15												0.84
Silver Creek	East Carson		.65			.24		.10													.18	.05					.10						1.32
Tahoe	Truckee	1.35				.10		.07												.51	*	.60	.15			.30	.10			.20			3.38
Tallac	do	.50	.25		T.		T.													T.	.50	.25	T.			.25	.12			T.			1.87
Truckee	do																																
Woodfords	West Carson		.32			.38		.22				T.									T.	T.											0.92
Nevada.																																	
Arthur	Humboldt	.45	.50	.20	.10																.08					T.							1.33
Austin	Reese																																
Battle Mountain	Humboldt		T.																		.20												0.20
Beowawe	do																																
Bishop	do	.08		.12								T.				T.			T.	T.						.19	T.	T.	.18	T.			0.57
Carlin	do																																0.00
Carson Dam	Carson					.18		T.		.25												T.											0.43
Cherry Creek	Humboldt	.02	T.	.14					T.	.10											.01	.01				.02					.30		0.60
Clover Valley	do	.03	.03						T.												.04	.17				.16				.08			0.51
Columbia	Desert		.01				T.	.06		.10																T.							0.17
Dry Farm	Humboldt																																
Elko	do																																
Ely	do	T.	.05	.06					T.																								0.11
Eureka	do	.04	.10	.15	.05			.02		.10	.05										.01	.03				.02				.23			0.80
Fallon	Carson	T.				.09		T.	.07	.25	.02									T.	T.										T.		0.43
Fernley	Truckee	.05				.10		T.		.25									.03														0.43
Geyser	Humboldt																																
Glenbrook	Truckee																																
Golconda	Humboldt	.34								.05											14												0.53
Halleck	do	T.	.10																	T.	.18					.10				.03			0.41
Hawthorne	Desert					.20	.23	.03		.01																							0.47
Jean	do								.10																								0.10
Lahontan	Carson					.11		.03		.18												T.		T.									0.32
Lewers Ranch	Truckee																																
Lovelocks	Humboldt									.10	.06											T.											0.16
Massacre Lakes	Desert	.10	T.			.13	.04														.05	.03	T.			.20	T.			.03			0.58
Mill City	Humboldt																									.25							0.25
Millett	Reese		T.	T.			.20	T.		T.	.09									T.													0.29
Mina	Desert					T.	.25																										0.25
North Fork	Humboldt	.20	.20	.20					.10	.18											.10	.06			T.	.20	.01			T.			1.25
Potts	Reese	T.	T.	T.			.10			.08	.30																						0.48
Quinn River Ranch	Humboldt	.03																								.04							0.07
Rebel Creek	do	.30	.12	.02	T.					.22										.02	.35	.02	T.			.20	.15			T.			1.40
Reno	Truckee	.15	T.			.08		.01		.01										T.	T.	T.	T.				T.			.01			0.26
Skelton	Humboldt	.11	.10	.43						.07										.15		.32				.06				.13			1.37
Smith	West Walker	.13	T.			.20	.05												T.		T.												0.38
Soda Lake	Carson	.02	.01			.11		T.	.10	.11																							0.35
Spooners Ranch	Truckee	.35	.22			*	.30														T.	T.	.08	T.	T.	T.	T.	T.					0.95
Sweetwater	East Walker																																
Tecoma	Humboldt	T.								T.											T.					T.				T.			T.
Tonopah	Desert		T.					.14		.01																							0.15
Wells	Humboldt																									.07				.05			0.12
Willow Point	Little Humboldt																				.04					.03							0.07
Winnemucca	Humboldt	.06	T.						T.	.09										.12	.01	.05	T.			.19				T.			0.52

* 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.

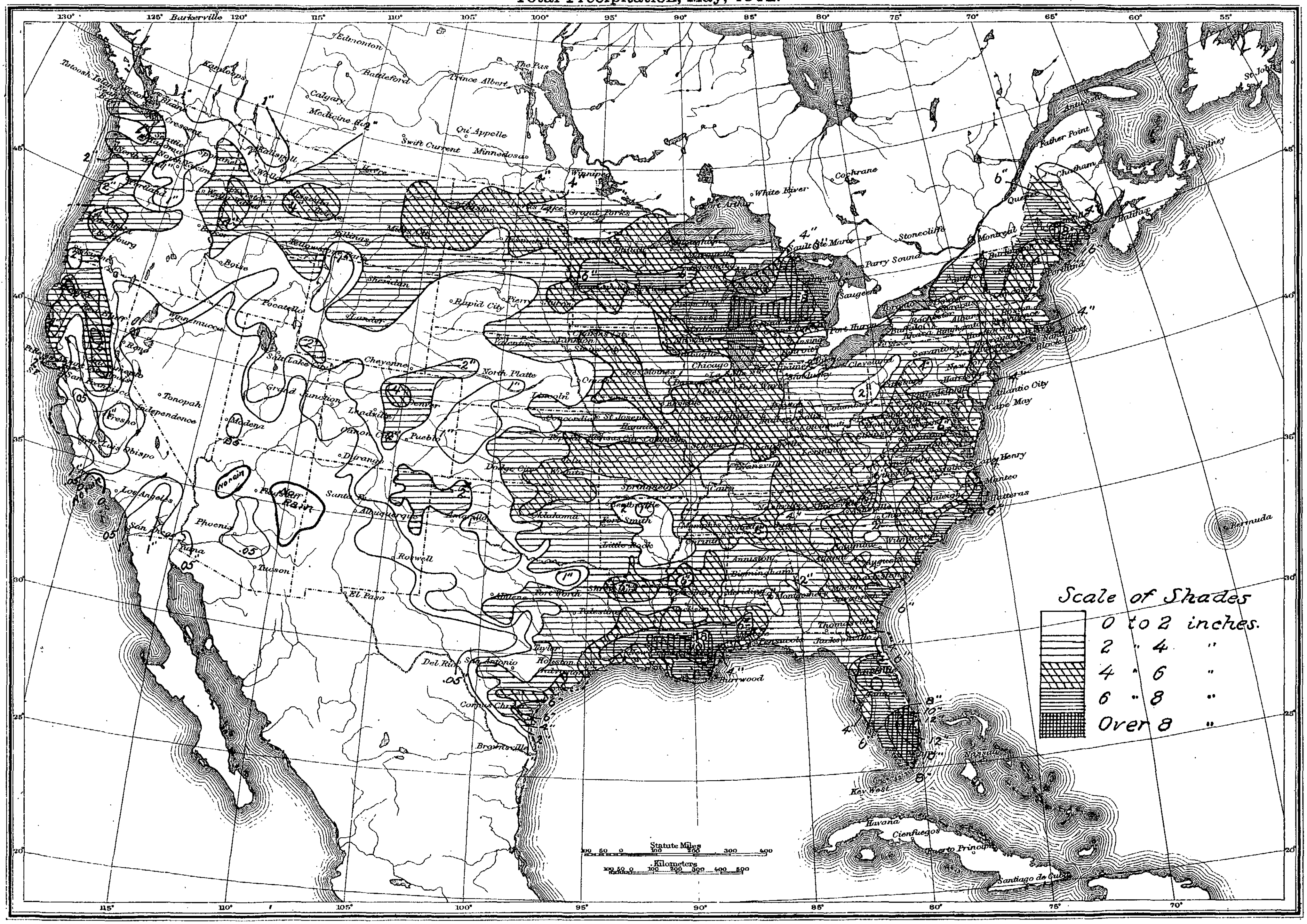
TABLE 3.—*Maximum and minimum temperatures for May, 1912. District No. 10, Great Basin.*

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....	58	28	58	29	58	30	60	27	62	37	79	31	65	32	59	37	60	37	52	30	47	32	60	40	54	28	50	32
2....	62	30	46	23	45	29	45	25	53	36	71	35	61	28	45	25	50	26	50	32	49	33	52	42	42	25	49	33
3....	60	34	45	25	50	33	47	26	61	32	74	34	63	27	53	33	46	39	52	31	58	35	58	39	51	31	59	33
4....	58	32	53	28	57	24	48	24	65	30	70	33	68	34	57	20	52	30	63	33	63	33	59	41	55	37	58	27
5....	64	36	58	24	58	34	61	31	66	41	76	35	67	29	58	27	50	30	65	33	51	39	65	43	57	43	63	29
6....	65	35	57	38	63	37	61	38	70	37	75	34	73	30	64	35	47	30	67	32	65	40	68	32	57	31	69	36
7....	70	37	67	37	69	40	62	37	73	39	78	35	74	37	62	32	58	34	74	40	70	42	68	32	55	42	74	41
8....	77	44	68	34	68	31	64	32	73	36	72	41	74	32	67	32	58	38	80	34	72	37	66	38	61	39	76	36
9....	76	34	64	37	67	35	63	35	71	44	72	40	74	38	70	29	56	32	79	50	68	46	58	35	65	44	74	46
10....	67	32	65	33	69	33	65	32	74	40	82	40	77	38	68	35	70	42	75	34	75	44	66	28	66	43	74	41
11....	70	34	65	31	65	27	69	33	77	41	86	39	78	36	74	33	70	40	74	40	78	43	60	36	70	50	72	34
12....	72	36	60	33	67	30	65	30	75	43	82	43	77	41	70	35	75	55	78	37	72	40	60	36	66	48	73	38
13....	74	32	58	31	63	30	62	30	76	40	80	45	78	43	70	34	73	41	78	32	76	38	62	38	67	46	75	37
14....	75	33	63	25	70	24	70	29	79	40	78	40	82	39	74	26	78	48	79	30	76	39	67	38	66	41	78	44
15....	76	34	60	38	74	30	72	48	81	48	88	37	84	44	75	35	81	49	79	39	71	50	65	38	70	47	78	41
16....	77	36	77	42	75	34	76	38	79	38	90	30	81	35	80	36	80	45	78	36	77	40	75	39	73	51	78	37
17....	78	45	88	39	82	32	77	41	85	43	94	38	87	40	80	33	84	42	85	33	76	44	79	42	75	54	84	41
18....	80	40	80	42	77	38	75	40	84	43	90	48	79	44	75	39	81	50	80	44	74	46	80	42	73	52	80	49
19....	76	36	78	46	72	37	70	45	80	47	89	45	76	48	70	44	78	49	72	48	61	44	80	42	65	46	73	45
20....	74	33	69	41	62	40	65	40	67	37	82	50	70	37	67	39	71	47	65	40	54	39	70	42	63	38	63	40
21....	57	28	57	35	54	34	52	27	61	29	76	38	59	20	57	29	64	34	57	34	51	36	68	38	52	31	54	30
22....	56	25	60	30	53	24	59	24	62	31	74	36	60	33	62	22	72	43	59	20	50	32	55	38	57	30	57	26
23....	64	34	68	34	63	34	67	29	68	43	84	38	67	38	72	38	79	42	60	35	61	40	69	40	66	39	64	39
24....	72	43	79	38	76	45	75	34	76	42	85	40	75	45	76	36	75	50	77	40	70	40	75	42	69	48	87	46
25....	60	43	76	49	70	48	67	45	71	55	89	41	83	50	66	47	75	37	67	44	59	46	70	40	58	48	71	45
26....	56	34	68	35	65	44	70	30	70	37	82	41	70	40	70	28	74	36	65	44	59	43	65	40	72	43	62	37
27....	60	40	68	40	66	42	70	32	75	35	89	45	77	37	74	36	77	44	73	38	75	35	65	40	72	43	73	39
28....	62	42	75	35	77	34	79	37	86	41	93	44	86	40	82	35	87	48	81	35	84	44	75	40	80	53	82	40
29....	67	31	86	42	83	38	81	55	85	49	99	43	89	44	84	36	83	44	79	44	74	46	80	40	79	43	81	46
30....	65	33	66	38	74	44	75	38	79	43	92	60	79	41	70	42	83	49	69	38	74	42	65	38	66	36	71	46
31....	71	42	68	33	75	28	74	31	80	38	89	50	84	40	77	27	82	42	82	30	82	38	70	39	74	46	81	37
Mn...	67.7	35.4	66.2	35.0	66.7	34.3	66.0	34.3	73.0	39.8	82.6	40.3	74.7	37.4	68.6	33.4	69.9	41.1	70.8	36.5	66.8	40.4	66.9	38.6	64.4	42.1	70.1	38.3

Date.	Wyoming.				Weston, Idaho.		Utah.																			
	Border.		Evanston.				Corinne.		Deseret.		Government Creek.		Ibex.		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....	55	27	50	26	53	32	57	36	71	45	61	41	67	42	72	37	54	30	69	38	62	43	68	38	72	33	65	37
2....	46	26	33	27	52	29	51	32	51	34	48	30	51	32	48	32	44	27	43	31	70	39	59	28	51	36	46	38
3....	46	28	35	28	47	34	49	34	52	35	43	31	53	31	48	30	44	30	48	29	66	40	47	30	42	32	42	31
4....	40	27	38	27	54	29	48	36	49	34	40	29	57	33	52	30	44	26	55	24	65	41	52	30	54	32	51	34
5....	48	27	45	26	54	32	51	36	60	28	55	30	59	34	55	21	49	29	55	37	67	40	54	31	61	26	56	37
6....	52	26	51	23	63	26	55	38	68	36	61	31	59	39	61	30	53	27	64	37	65	43	65	36	70	26	63	38
7....	65	23	60	28	70	28	71	32	73	40	65	33	68	41	70	34	60	30	65	38	64	43	68	42	74	31	69	46
8....	67	27	61	29	71	32	75	41	72	41	65	38	75	43	69	32	64	31	64	34	63	46	66	39	74	34	67	47
9....	64	31	59	29	68	37	68	40	70	41	63	38	71	44	65	31	63	34	57	39	68	50	63	38	75	34	64	46
10....	61	31	52	30	65	35	66	38	68	46	64	40	70	47	65	36	66	35	63	39	69	51	63	40	70	37	66	49
11....	51	33	53	30	60	33	64	36	72	34	65	36	74	44	67	30	55	35	70	37	73	54	69	39	69	34	62	46
12....	55	32	54	31	64	35	60	33	67	36	60	31	70	45	65	35	54	34	63	40	75	54	60	38	66	31	61	46
13....	54	24	46	27	60	31	63	33	59	38	54	28	60	44	52	35	55	34	56	37	73	55	51	32	65	28	55	40
14....	61	21	60	21	66	28	66	32	67	27	63	27	69	37	62	20	64	25	64	32	77	59	63	29	70	25	61	41
15....	67	40	64	27	69	31	72	34	74	31	70	34	77	42	74	24	68	32	70	28	76	59	70	31	78	28	71	44
16....	71	29	68	30	75	32	77	37	81	39	78	45	84	49	78	28	73	34	75	33	80	60	75	40	85	32	80	50
17....	72	30	72	32	77	35	79	45	84	43	81	43	86	51	82	33	73	37	77	38	82	61	79	44	88	34	79	50
18....	75	33	71	37	79	39	81	46	83	44	80	44	82	53	82	39	79	38	78	37	79	55	80	47	90	38	84	62
19....	71	38	70	40	75	48	77	35	79	57	85	54	76	58	76	45	74	45	72	44	80	56	74	54	85	50	78	55
20....	63	43	64	36	69	43	79	51	77	53	75	48	74	51	72	46	67	43	69	49	77	54	72	52	82	48	70	53
21....	54	33	60	34	57	39	58	43	70	47	54	40	68	41	62	49	54	36	62	38	83	60	68	33	68	42	53	42
22....	51	30	46	27	56	32	58	35	65	39	53	38	70	47	67	29	54	30	62	28	82	58	70	34	65	38	60	42
23....	54	28	57	23	62	35	65	30	74	39	69	35	78	41	74	29	60	33	69	29	80	57	78	45	76	34	64	40
24....	70	28	69	33	72	34	68	35	81	40	76	40	84	47	81	33	67	33	75	35	76	58	76	54	84	40	76	48
25....	74	37	70	36	75	42	77	41	79	52	75	52	76	53	76	41	77	44	70	43	79	60	71	39	82	42	78	57
26....	66	38	60	37	67	45	69	49	73	41	70	39	74	42	73	45	64	41	71	32	76	59	72	41	77	46	70	50
27....	57	37	54	36	66	41	63	44	71	48	66	43	76	47	69	43	59	42	76	40	81	60	72	42	67	49	63	51
28....	65	33	63	34	70	33	73	38	79	36	76	39	82	46	77	33	69	37	78	39	83	61	80	46	80	34	72	46
29....	80	33	76	33	82	39	87	43	89	41	86	48	86	54	87	36	84	37	82	41	82	60	85	48	91	38	85	54
30....	77	47	68	32	77	44	76	46	60	46	80	42	77	48	72	48	73	43	70	41	73	58	74	47	76	44	69	47
31....	64	34	63	31	66	35	67	38	72	35	68	34	72	46	70	31	64	35	72	33	82	57	73	42	71	36	67	44
Mns..	61.2	31.3	58.5	30.3	65.8	35.1	66.8	38.3	70.6	40.2	66.1	38.1	71.8	44.3	68.5	34.4	62.2	34.4	66.6	36.1	74.5	53.3	68.3	39.6	72.8	35.9	66.0	45.5

[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.

Total Precipitation, May, 1912.



Departure of the Mean Temperature from the Normal, May, 1912.