CLIMATOLOGICAL DATA FOR SEPTEMBER, 1913.

DISTRICT NO. 10, GREAT BASIN.

ALFRED H. THIESSEN, District Editor.

GENERAL SUMMARY.

September was, on the whole, a normal month. The temperatures were moderate, except in the latter portion, when frosts from light to killing occurred; but there was practically no damage, as harvesting of the principal crops was about over. Precipitation was also about normal. Snow occurred at a few points, 5 inches falling at Strawberry, West, Utah.

The average number of clear days for the district was 18, partly cloudy days 7, cloudy days 5, and rainy days 5.

TEMPERATURE.

The mean temperature for the Great Basin was 59.3°, or 0.3° below normal, and 5° warmer than September, 1912. The individual means varied from 49.8° at Seneca, Oreg., to 75.8° at Jean, Nev. The Nevada and the more level portion of the Utah areas were the warmest parts of the district, while the Oregon, Idaho, and Wyoming areas were the coldest. A study of the local temperatures discloses the fact that decided departures from the normal occurred at only a few places. The greatest deficiency in temperature was 7.6° at Kelton, Utah, the mean being 53.4°; while the greatest excess was 6.7° at McGill, Nev., the mean being 61.9°. At the greater number of stations the mean temperature for the month departed from the normal by less than 2°.

The warmest portion of the month was the first two decades, the temperatures nearly equaling the normal, and during this period the highest temperatures for the month were generally recorded. During the last decade the temperatures were generally below normal, especially from the 22d to the 27th, when the lowest for the month occurred at nearly every station.

The following were the highest temperatures that occurred in the various areas of the several States of this district: 86° on the 7th at Border, Wyo.; 91° on the 6th at Weston, Idaho; 100° on the 7th at Iosepa, Utah; 91° on 20th and 21st at Silver Lake, Oreg.; 88° on the 14th at Truckee, Cal.; and 103° on the 6th at Jean, Nev. These extremes are from 6° to 12° higher than were the extremes in September, 1912.

The lowest temperatures were: 16° on the 24th at Border and on 25th at Cokeville, Wyo.; 17° on the 25th at Paris, Idaho; 12° on the 24th at Kelton, Utah; 8° on the 24th at Seneca, Oreg.; 16° on the 26th at Bridgeport, Cal.; and 10° on the 30th at Geyser, Nev.

The precipitation for the district averaged 0.82 inch, or 0.09 inch above normal. Nearly all of it fell in the form of rain. Thunderstorms were frequent during the first half of the month and from the 21st to the 23d.

The geographical distribution of moisture was normal, the heavier amounts having occurred as usual in the western slope of the Wasatch Mountains in Utah, and the lesser in the Nevada and western portion of the Utah areas.

Considering those stations having normals, it appears that the majority of stations in the Utah area reported amounts above normal, while in the other areas of the district the excesses more nearly equaled the deficiencies. The greatest plus departure from the normal was 2.20 inches at Soldier Summit, Utah, whose total for the month was 2.89 inches; the greatest minus departure was 0.90 inch at Pinto, Utah, whose total for the month was 0.62 inch.

The greatest local monthly amount was 4.14 inches at Strawberry, West, Utah, while 11 stations reported no rain and 6 only traces.

Rain fell quite generally over the district on the first three days of the month; other rainy periods were 6th–9th, 13th–14th, 21st–24th, and 29th–30th.

LOCAL STORMS.

It was reported that near Ibapah, Utah, the harvesting of the second crop of alfalfa was almost impossible, due to the unusually heavy rains; also that the mails were delayed in parts of Tooele County on account of floods.

Goldfield, Nev., was visited by a cloudburst on September 13, 1913. The gulches west of the town were roaring torrents, and houses were washed from their foundations and carried away. In the business section the water reached the level of the first floors. This storm caused a loss of two lives and $100,000 worth of property.

17172—13——8

TABLE 1.—*Climatological data for September, 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	52.5	+ 1.2	86	7	16	24	52	0.24	− 0.73	0.14	0.0	3	20	4	6	w.	S. W. Condron.
Cokeville	do	6,204	3	50.0		82e	7	16e	25	54e	1.28		0.36	T.	6	18	1	11	w.	E. J. Tuckett.
Evanston	Uinta	6,860	17	52.0	− 0.5	80	5	22	25	49	1.17	+ 0.20	0.43	T.	6	16	10	4	w.	Frank Tucker.
Idaho.																				
Geneva	Bear Lake	6,171	4								0.74		0.35	T.	5	24	2	4		F. W. Boehme.
Grace	Bannock	5,400	6																	E. W. Joy.
Paris	Bear Lake	5,946	18	53.2	− 1.3	80	1†	17	25	48	0.50	− 0.43	0.20	T.	4	20	6	4	w.	John Norton.
Weston	Franklin	4,460	14	58.8	+ 1.1	91	6	21	25	51	1.48	+ 0.58	0.60	0	7	18	2	10	n.	Wm. T. Chatterton.
Utah.																				
Alpine	Utah	4,900	14								0.95	− 0.27	0.50	0	2	19	6	5		T. F. Carlisle.
Beaver	Beaver	6,000	9	54.4		87	5	14	24†	59	2.52		0.97		9	11	19	0		Henry Baker.
Black Rock	Millard	4,872	9	59.0		90	5	18	16	56	0.80		0.63	0	3	14	7	9		W. D. Livingston.
Brigham City	Boxelder	4,305		65.3a		89a	6	35a	23	36a	1.72		0.82	0	8					Nephi M. Valentine.
Burrville	Sevier	6,800	2	52.2		76	17	23	26	42	1.28		0.45	0	8					F. R. Curtis.
Castle Rock	Summit	6,244	8								2.34		0.85	6.0	10	18	4	8		David Moore.
Cedar City	Iron	5,750	8	62.0e		85	12	26	24†	43	0.81		0.55	0	4	15	7	8		Parley Dalley.
Center	Tooele	4,250	2	58.2		88	5	22	25	51	0.54		0.30	T.	3	12	12	6	n.	L. C. Peterson.
Clarkston	Cache	5,930	1								1.63		0.55		5	12	8	10		W. J. Griffiths.
Corinne	Boxelder	4,240	43	62.4	− 2.8	89	4†	29	26	47	1.70	+ 1.02	1.10	0	4	18	8	4		A. C. Murphy.
Deseret	Millard	4,541	18	62.2	+ 1.7	92	5†	24	26	51	0.39	− 0.48	0.25	0	4	17	5	8	n.	S. W. Western.
Elberta	Utah	4,650	11	61.1	− 2.0	88	18	27	25	42	1.07	+ 0.16	0.46	0	11	16	6	8	n.	D. C. Walkey.
Enterprise	Washington	5,750	7								0.66		0.43	0	4	15	7	8	n.	Jas. E. Hall.
Erekson	Tooele	4,850	1								0.64		0.25	0	8					N. W. Erekson.
Farmington	Davis	4,267	12	59.5	− 0.5	85	5	31	26	40	1.40	+ 0.28	0.43	0	9	19	4	7	nw.	Chas. Boylin.
Fillmore	Millard	5,100	21	63.6	− 1.6	93	12†	31	26	46	1.14	− 0.08	0.35	0	7					J. J. Starley.
Garland	Boxelder	4,248	1	60.8		89	5†	30	24	39	1.98		0.75	0	5	13	10	7	n.	Herber C. Cutler.
Garrison	Millard	4,850	9	59.2a		88	7†	17	25	47	T.		T.	0	0	15a	2a	6a	s.	E. M. Smith.
Government Creek	Tooele	5,277	12	60.3	− 1.1	87	12	27	25	39	0.70	− 0.25	0.32	0	6	19	7	4	s.	Walter James.
Granger	Salt Lake	4,560	1	61.3b		88	5	31	25	34										Max Greene.
Grantsville	Tooele	4,220	6								1.40		0.57	0	7	18	10	2	sw.	Monto Barrus.
Grouse Creek	Boxelder	5,148	3								0.60		0.40	0	3	17	6	7	sw.	Philip Paskett.
Heber	Wasatch	5,593	20	55.4	± 0.0	86	5	20	20†	58	0.86	− 0.23	0.30	0	7	16	6	8	s.	John Crook.
Henefer	Summit	5,301	13	55.8	+ 0.8	86	6	21	26	54	1.84	+ 0.64	0.40	T.	9	15	6	9	nw.	Wm. Brewer.
Hooper	Weber	4,436	2								0.80		0.50	0	2					T. M. Jones, jr.
Ibapah	Tooele	7,500	8	57.2		93	18	14	25†	54	1.16		0.60	T.	8	16	13	1	n.	W. M. Chastain.
Ibex	Millard	5,250	2																	John J. Watson.
Iosepa	Tooele	4,356	2	62.0		100	7	28	25†	44	1.23		0.50	0	4	15	3	12	n.	Geo. K. Hubbell.
Junction	Piute	6,000	1								1.04		0.30	0	7	19	9	2	s.	Jos. Jensen.
Kanosh	Millard	5,250	6								0.70		0.20	0	5					Geo. Crane.
Kelton	Boxelder	4,230	33	53.4	− 7.6	85	7	12	24	60	1.46	+ 0.98	0.42	0	5	10	15	5	n.	F. W. Klock.
Lemay	do	4,221	2	68.8		87	8	48	22	24	1.23		1.05		4	18	9	3		E. J. Ineck.
Levan	Juab	5,010	23	58.3	− 1.9	83	5	26	26	37	1.41	+ 0.14	0.34	T.	11	16	5	9	sw.	Wm. Brown.
Logan	Cache	4,507	22	60.6	− 0.9	86	5	31	25	36	1.47	+ 0.35	0.50	0	5					Experiment Station.
Low	Tooele	4,602	2	67.0		98	5	34	23	48	0.00		0.00	0	0	27	3	0	n.	Agent W. P. Co.
Lucin	Boxelder	4,504	6	61.0		89	6	29	25	46	0.38		0.38	0	1	21	9	0		E. C. Puryear.
Manti	Sanpete	5,575	18	56.8	− 2.7	82	5	26	26	41	1.64	+ 0.34	0.48	0	10	11	17	2		J. M. Anderson.
Maple Creek	Utah	4,890	2								2.06		0.61	0	8	15	5	10		L. W. Gillilan.
Marion	Summit	6,400	8																	J. Woolstenhulme.
Marysvale	Piute	6,180	13	56.6	− 1.3	84	16†	25	27†	50	1.52	+ 0.23	0.34	0	9					Lafe King.
Meadowville	Rich	6,200	12	53.6	− 0.6	83	6	25	26†	40	1.92	+ 0.70	0.67	4.0	6	17	4	9		J. S. Moffat.
Midlake	Boxelder	4,235	2	66.4		80	6†	42	24	12	0.65		0.50	0	2	16	7	7	e.	Mrs. S. M. Gibson.
Midvale	Salt Lake	4,365	1	61.6		95	5	27	25	44	1.01		0.37	0	6	11	14	5	s.	C. McGhie.
Milford	Beaver	4,962	5	62.9		93	19†	22	29	48	0.13		0.05	0	4	21	0	9	sw.	F. J. Bandreau.
Mills	Juab	4,911	1	59.0		95	14	20	26	53	0.69		0.23	0	6				sw.	Geo. McCune.
Millville	Cache	4,848	18								1.54	+ 0.38	0.32	0	8	12	14	4	n.	Fred Yeates.
Minersville	Beaver	5,070	11								0.57	− 0.38	0.18	0	7	7	18	5	sw.	Fred R. Pryor.
Modena	Iron	5,479	12	59.7	− 0.5	86	18	27	24	42	0.98	− 0.14	0.52	0	6	18	8	4	w.	U. S. Weather Bureau.
Morgan	Morgan	5,068	8	57.5		86	5†	25	26	49	0.88		0.50	0	3					E. O. Kingston.
Moroni	Sanpete	6,000	5								2.32		0.49	0	8	5d	7d	14d		B. F. Eliason.
Mosida	Utah	4,510	1	61.0		90	3†	33	25†	44	0.58		0.30	0	3	19f	0f	5f		L. B. Curtis.
Nephi (near)	Juab	5,119	8	60.4e		87	1†	27	26	43	1.12		0.25		8	14	10	6	s.	Experiment Station.
New Castle	Iron	5,150	1																	T. W. Jones.
Oak City	Millard	4,900	6																	Peter Nielson.
Ogden	Weber	4,310	42	60.1	− 6.0	89	5	26	25	44	1.19	+ 0.40	0.36	0	8	16	7	7	w.	A. Van De Graaff.
Panguitch	Garfield	6,560	1	52.4		77	18	21	24†	47	1.77		0.68	T.	7	20	5	5	nw.	Harry L. Strembel.
Park City	Summit	7,000	8																	Gertrude Evans.
Park Valley	Boxelder	5,200	2																	C. W. Goodliffe.
Parowan	Iron	5,970	22	59.4	+ 0.1	85	12	26	25	43	0.67	− 0.51	0.30	0	6	8	7	15		Alex. Matheson.
Payson	Utah	4,637	9								1.50		0.55	0	7	17	4	9	sw.	D. L. Coombs.
Pelican Point	do	4,600	1																	B. M. Mendenhall.
Pineview	Summit			53.6e		82	5	17	27	52	1.30		0.40	0	4					Granville Deming.
Pinto	Washington	5,907	15	54.9d	− 1.3	83	12	23	26†	50	0.62	− 0.90	0.60	0	2	12b	11b	5b	s.	J. H. Harrison.
Plentiful	Tooele	4,262	0																	C. L. Drumm.
Promontory	Boxelder	4,913	38								0.30	− 0.32	0.20	0	2					F. C. Houghton.
Provo	Utah	4,532	19	60.8e	− 0.1	87	5†	28	27	49	1.99	+ 1.23	1.08	0	9	17e	5e	5e		W. L. Whittemore.
Randolph	Rich	6,442	9								2.26		0.90	0	10	16	10	4		Wm. Rex.
Revier	Salt Lake	5,066	2								1.55		0.36	0	6					E. L. Terry.
Richfield	Sevier	5,350	19	58.8b	− 0.2	89	3	25	26	50	1.30	+ 0.61	0.40	0	8	13b	0b	15b		P. A. Westman.
Richmond	Cache	4,529	1								1.22		0.42	0	9	14	12	4		J. R. Thompson.
Sahara	Iron	5,209	0	61.0		90	18	23	24	50	0.59		0.28	0	4	21	8	1	sw.	Earl Markwith.
Saltair	Salt Lake	4,220	9	62.8		82	6	38	23†	24	2.10		1.20	0	8					E. J. Bench.
Salt Lake City	do	4,360	39	63.4	− 1.6	87	12	37	23	34	0.93	+ 0.08	0.35	T.	10	16	8	6	nw.	U. S. Weather Bureau.
Scipio	Millard	5,260	18	59.4	− 0.6	88	12	24	26	52	1.23	+ 0.07	0.25	T.	10	10	6	14	sw.	Thos. Memmott.
Showell	Boxelder	4,650	1	57.4		89	6	16	25	54	1.47		0.55	0	6	18	12	0		Richard Ilgner.
Silver City	Juab	6,127	3																	J. L. Stark.
Smyths	Beaver	4,900	1																	V. Waddoups.
Soldier Summit	Utah	7,454	12	50.8	− 0.1	80	21	21	26	53	2.89	+ 2.20	1.15		10	12	14	4		Geo. A. Boyd.
Spanish Fork	do	4,585	4	62.8		89	5†	32	25	40	1.79		0.44	T.	8	18	8	4		Reclamation Service.
Spring ale	Juab			58.2		89	18	21	27	47	0.71		0.38	0	3	22	1	7		James Coleman.
Strawberry, West	Utah	7,500	5	52.9b		79	5	23	22	38	4.14		1.00	5.0	12	14	5	11		Reclamation Service.
Thistle	do	5,075	14																	John Thorgierson.
Tooele	Tooele	4,900	17	60.2e	− 3.2	85	5	32	23†	40	1.66	+ 0.69	0.51		6	1e	13e	13e	s.	E. A. Bonelli.

TABLE 1.—*Climatological data for September, 1913. District No. 10, Great Basin*—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, melted.		Number of clear days.	Number of partly cloudy days.	Number of cloudy days.		
***Utah*—Continued.**																				
Utah Lake Pump'g Sta.	Utah	4,500	5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	W. A. Knight.
Vernon	Tooele	5,500	2	.....	.....	.....	.....	.....	.....	.....	1.41	.....	0.50	0	8	7	17	6	sw.	Glynn Bennion.
Wendover	do	4,237	1	63.3	.....	93	2	28	25†	45	0.79	.....	0.55	0	4	.....	.....	.....	.....	J. S. Cooper.
Whiskey Creek	Millard	4,050	2	.....	.....	.....	.....	.....	.....	.....	0.10	.....	0.10	0	1	.....	.....	.....	.....	Geo. Stevens.
Winder	Garfield	7,000	0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Rollo Adair.
Woodruff	Rich	6,500	10	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Oregon.																				
Burns	Harney	4,157	21	57.8	+ 3.9	89	1	26	24†	54	0.15	− 0.66	0.15	0	1	23	4	3	.....	J. C. Welcome, jr.
Cliff	Lake	4,300	6	51.0	.....	89	7	13	23	61	0.36	.....	0.36	0	1	18	9	3	n.	John C. Green.
Paisley	do	4,500	10	57.6	.....	88	17	27	22†	45	0.42	.....	0.42	0	1	29	1	0	n.	C. M. Sain.
Seneca	Grant	4,800	3	49.8	.....	85	7†	8	24	68	T.	.....	T.	0	0	24	5	1	nw.	E. J. Southworth.
Silver Lake	Lake	4,700	16	56.8	+ 3.2	91	20†	20	26	57	0.07	− 0.56	0.07	0	1	26	4	0	n.	G. W. Marvin.
California.																				
Bridgeport	Mono	6,500	0	52.8	.....	84	18	16	26	54	0.13	.....	0.10	0	3	25	5	0	sw.	A. F. Scott.
Cathedral Park	Eldorado	6,400	0	59.6	.....	86	18	31	23	40	0.01	.....	0.01	0	1	24	2	4	s.	Carl Fluegge.
Tahoe	Placer	6,240	2	53.8	.....	80	18	25	24†	39	0.10	.....	0.10	0	1	28	1	1	w.	R. M. Watson.
Truckee	Nevada	5,819	41	59.8	+ 3.9	88	14	35	24†	45	0.00	− 0.30	0.00	0	0	30	0	0	.....	Southern Pacific Co.
Nevada.																				
Austin	Lander	6,594	24	61.8	+ 2.8	88	20	25	24	39	0.48	− 0.03	0.33	0	2	27	0	3	nw.	F. O. Booe.
Battle Mountain	do	4,843	42	62.9	+ 0.4	95	2	22	24†	58	0.67	+ 0.38	0.47	0	2	23	1	6	.....	Southern Pacific Co.
Beowawe	Eureka	4,905	42	57.8	− 5.4	92	6	21	26	56	0.50	+ 0.22	0.30	0	2	17	10	3	.....	Do.
Carlin	Elko	5,232	42	59.1[a]	+ 1.5	95	18	17[a]	21†	61[a]	1.00	+ 0.78	1.00	0	1	6	23	1	.....	Do.
Cherry Creek	White Pine	6,450	5	58.4	.....	84	6	27	25	40	0.52	.....	0.20	T.	6	20	4	6	w.	J. H. Leishman.
Clover Valley	Elko	6,000	12	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	I. F. Wiseman.
Columbia	Esmeralda	5,750	6	64.0	.....	89	12†	31	25	40	2.20	.....	1.72	0	2	25	5	0	se.	A. Booth.
Dry Farm	Elko	5,600	1	60.1	.....	86	29	21	25	44	0.44	.....	0.22	0	4	.....	.....	.....	.....	Walfrid Sohlman.
East Rochester	Humboldt	7,500	0	61.5	.....	82	6†	31	23	26	T.	.....	T.	T.	0	27	3	0	w.	E. B. Mills.
Elko	Elko	5,432	42	61.5	+ 4.7	97	7	20	26	60	0.89	+ 0.63	0.69	0	4	2	2	7	sw.	Western Pacific Co.
Eureka	Eureka	6,500	15	59.5	− 3.2	88	20	22	25	40	0.57	− 0.04	0.25	0	6	17	8	5	s.	Clay Simms.
Fallon	Churchill	3,965	19	64.5	.....	95	18	27	26	48	0.03	− 0.15	0.03	0	1	23	6	1	sw.	U. S. Experiment Station.
Fernley	Lyon	4,200	40	64.8	+ 1.8	95	18	26	24	51	0.00	− 0.18	0.00	0	0	24	6	0	.....	Mrs. G. A. Steele.
Gardnerville	Douglas	4,830	22	59.8[e]	− 1.5	89[e]	17	28[e]	24†	46[e]	0.00	− 0.22	0.00	0	0	.....	.....	.....	w.	Forest Service.
Gerlach	Washoe	3,931	0	62.4	.....	85	1†	34	24†	37	0.00	.....	0.00	0	0	24	0	6	nw.	Western Pacific Co.
Geyser	Lincoln	6,055	9	52.8	.....	85	4†	10	30	67	0.40	.....	0.40	0	1	15	14	1	s.	Mrs. J. F. Wambolt.
Glenbrook	Douglas	6,240	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	C. C. Henningsen.
Golconda	Humboldt	4,697	34	62.6	+ 1.0	92	1	29	23	50	0.11	− 0.20	0.10	0	2	15	8	7	.....	Southern Pacific Co.
Halleck	Elko	5,631	20	56.4	+ 0.4	89	7	25	30	50	0.19	− 0.06	0.11	0	2	22	6	2	w.	Do.
Jean	Clark	2,674	5	75.8	.....	103	6	35	25	38	0.23	.....	0.23	0	2	20	9	1	sw.	Salt Lake Route.
Lahontan	Churchill	4,200	1	68.0	.....	95	18	36	23	43	0.05	.....	0.05	0	1	26	3	1	w.	U. S. Reclamation Service.
Lewers Ranch	Washoe	5,500	25	61.2	+ 0.9	90	17	29	24	45	0.00	− 0.66	0	0	0	14	14	2	.....	Ross Lewers.
Lida	Esmeralda	6,037	0	60.8[a]	.....	86[a]	19	33[a]	23	35[a]	0.36	.....	0.36	0	1	27	3	0	se.	L. F. Detwiler.
Lovelock	Humboldt	3,977	19	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	A. P. Tilford.
McDermit	do	4,700	23	61.0	0	89	12	25	24	42	0.75	+ 0.45	0.72	0	2	22	7	1	w.	F. M. Bullock.
McGill	White Pine	6,338	22	61.9	+ 6.7	87	5	25	26	45	0.20	− 0.52	0.20	0	1	19	8	3	n.	R. E. Middagh.
Millett	Nye	6,002	5	60.4	.....	89	1	22	25	50	0.52	.....	0.36	0	2	20	5	5	.....	Fred J. Jones.
Mina	Mineral	4,600	6	66.8	.....	94	18	28	26	40	0.95	.....	0.30	0	4	22	2	6	s.	Southern Pacific Co.
Oasis Ranch	Esmeralda	5,106	0	61.0	.....	86	12	31	26†	40	0.30	.....	0.28	0	2	27	3	0	s.	A. S. Patterson.
Potts	Nye	6,990	20	52.6	− 3.1	82	4†	16	25	43	0.05	− 0.23	0.03	0	2	15	5	10	n.	Miss Maude Potts.
Quinn River Ranch	Humboldt	4,850	11	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	F. M. Payne.
Rebel Creek	do	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	E. J. Hyatt.
Reno	Washoe	4,532	42	63.6	+ 3.9	91	18	32	24	41	0.08	− 0.19	0.08	0	1	28	2	0	w.	U. S. Weather Bureau.
Soda Lake	Churchill	4,534	6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	U. S. Reclamation Service.
Tecoma	Elko	4,812	35	56.2	− 4.2	90	1†	20	25†	60	0.13	− 0.24	0.05	0	4	20	4	6	.....	Southern Pacific Co.
Tonopah	Nye	6,090	8	63.8	.....	85	20	31	30	31	0.62	.....	0.53	0	3	22	7	1	se.	U. S. Weather Bureau.
Wells	Elko	5,631	41	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Southern Pacific Co.
Winnemucca	Humboldt	4,432	34	61.8	+ 1.3	91	7	25	24	49	0.51	+ 0.17	0.37	0	3	23	5	2	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 September, 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	29	30		
Wyoming.																																	
Border	Bear			T.										.06	.14															.04	T.		0.24
Cokeville	do		.18	T.				.06	.36	.08					.27								.33	T.	T.					T.	T.		1.28
Evanston	do	.43	T.	.06				.18	.06					T.	.16								.28	T.	T.								1.17
Idaho.																																	
Geneva	Bear								.35														.28	.04	.03					.04			0.74
Grace	do																																
Paris	do																		.20				.10							.15	.05		0.50
Weston	do			.60					.51	.04				.10									.14	.05							.04		1.48
Utah.																																	
Alpine	G. S. Lake								.45														.50										0.95
Beaver	Sevier Lake	.40	.97	.20			.16	.17	.03					T.									.15	.08							.16		2.52
Black Rock	do	.10		.63				.07						T.																			0.80
Brigham City	G. S. Lake	.20	.16	.12					.16						.82							.07	.17	.02									1.72
Burrville	Sevier Lake	.45					.09	.13		.10				.20										.20	.10	.01							1.28
Castle Rock	G. S. Lake	.85		.10			.50	.12	.05					.02	.05								.20	.15	.30								2.34
Cedar City	Desert							.15				.08											.55								.03		0.81
Center	do	T.	.30											T.									.20	.04									0.54
Clarkston	G. S. Lake		.35	.55				.45	.10						.18																		1.63
Corinne	do	1.10							.30					.20																			1.70
Deseret	Sevier Lake							.07						.25								.04	T.								.03		0.39
Elberta	G. S. Lake	.01	.07	.03				.12	.01					.04	.25							.01	.46	.04	.03								1.07
Enterprise	Desert	.07					.12					.04										.43											0.66
Erekson	do	.03	.01				.05	.10						.10								.25		.03						.07			0.64
Farmington	G. S. Lake		.43	.25				.05	.25	T.				T.						.03	.02	.25	T.	.07	.05								1.40
Fillmore	Sevier Lake	.44	T.	.12					T.					.35	.05							T.	.10		.07						.01		1.14
Garland	G. S. Lake	.10	.44					.75	.19													.50											1.98
Garrison	Desert	T.												T.								T.								T.			T.
Government Creek	do	T.	.12	T.		T.	.03	.06						.12								T.	.32	.05						T.			0.70
Granger	G. S. Lake																																
Grantsville	do	.33	.25					.09						.02									.12	.57							.02		1.40
Grouse Creek	Desert	T.		.40				T.	.13													T.	.07	T.						T.			0.60
Heber	G. S. Lake		.10	.10				T.	.05	.06					.20								.30	.05									0.86
Henefer	do	.40	.32	.10			.37	.05	.14	.06				T.	.05								.35	T.	T.						T.		1.84
Hooper	do			.30																		.50											0.80
Ibapah	Desert	.20	.60	.04										.16								T.	.02	.02	.09						.03		1.16
Ibex	do																																
Iosepa	do	.50	.16	.07									T.										T.	.50									1.23
Junction	Sevier Lake			.08	.14	T.		.30	.11	.06				.23									.12										1.04
Kanosh	do							.20						.08								.11	.15								.16		0.70
Kelton	G. S. Lake	.30	.22	.35					.42	.17					T.																		1.46
Lemay	Desert	1.05	.02						.06													.10											1.23
Levan	Sevier Lake		.06	.34			.05	.23	.04					.31	.13							.04	T.	.13	.03						.05		1.41
Logan	G. S. Lake	.25	.20					.09						.50								.43											1.47
Low	Desert																																0.00
Lucin	do		.38	T.				T.																T.									0.38
Manti	Sevier Lake	.03		.24			.23	.48	.12	.02	T.			.09	.10								.21	T.							.12		1.64
Maple Creek	G. S. Lake	.09	T.	.41				.07						T.	.44								.61	.31	.09	T.				T.	.04		2.06
Marysvale	Sevier Lake	.26		.20			.34	.20	.14		.02			.23										.11	.02								1.52
Meadowville	G. S. Lake	.10	T.					.30		.25					.67								T.	*	.60								1.92
Midlake	do	.50	.15					T.	T.	T.												T.	T.	T.									0.65
Midvale	do	.30						.01														.37	.10	.02							.21		1.01
Milford	Sevier Lake			.01																		.05					.05	.02					0.13
Millville	G. S. Lake		.11	.11				.04	.13	.16				.61									.32	.06							T.		1.54
Mills	Sevier Lake	T.		.22				.04	.12	T.	T.	T.		T.	.23	T.						T.	.03	T.	.05	T.					T.		0.69
Minersville	do	.05		.04			.01	T.		.18	T.				T.							.10	.10							.09			0.57
Modena	Desert	.03	.01				.52		.02				T.	.01	T.							.39											0.98
Morgan	G. S. Lake	.50	.20	.18																													0.88
Moroni	Sevier Lake	.16	.40	.49		T.	T.	.28	.26					.14	.41									.18						T.			2.32
Mosida	G. S. Lake		T.												.08									.20	.30								0.58
Nephi (near)	do	.02	.21	T.				.16	T.					*	.34							.25	T.	.10	.04						T.		1.12
Newcastle	Desert																																
Oak City	Sevier Lake																																
Ogden	G. S. Lake	.36	.10	.03					.09					.19									.35	.05						.02			1.19
Panguitch	Sevier Lake	.42	T.	.30			T.	.58	.10		.04				.16							.17	T.										1.77
Park City	G. S. Lake																																
Park Valley	Desert																																
Parowan	do	.07		.08	T.		.12		.07	T.												.30									.03		0.67
Payson	G. S. Lake	.10						.15	.10						.30								.55	.25	.05								1.50
Pelican Point	do																																
Pineview	do			.20				.30							.40								.40										1.30
Pinto	Desert	.02																					.60	T.									0.62
Plentiful	G. S. Lake																																
Promontory	do	.20														10																	0.30
Provo	do	1.08	.02	.04			T.	.06		.05					.21								.40	.11	.02								1.99
Randolph	do	.16	.14	.23			.08	.40							.90							.08	T.	.17						.03	.07		2.26
Revier	do		.36						.27												.22	.33	.30								.07		1.55
Richfield	Sevier Lake			.19			.16	.09	.40	.07				.16	.16									.07									1.30
Richmond	G. S. Lake	.05	.21	.01				.11	.14					.42	.03							.19	.06	T.						T.	T.		1.22
Sahara	Desert	.28				T.	T.	.01	.08					T.								T.	.22	T.									0.59
Saltair	G. S. Lake		1.20	.04				T.	.03					T.	.01								.10	.60	.11						.01		2.10
Salt Lake City	do	.04	.21	.13				.04	.01					T.								.03	.31	.05	.03						.08		0.93
Scipio	Desert	.03	.04	.16			.12	.15	T.	T.	.12			.04	.25								.22	.10							T.		1.23
Showell	do	.08	.55						.33	.15				.10								.26											1.47
Silver City	do																																
Smyths	do																																
Soldier Summit	G. S. Lake	.13	.08	.21		T.	.04	.13	.02	T.		.53		T.	.30								1.15	.30	T.								2.89
Spanish Fork	do		.02	.28			.04	.13							.33							T.	.40	.15	.44								1.79
Springvale	Sevier Lake			.38			T.							.10	.23																T.		0.71
Strawberry, west	G. S. Lake	.40	.06	.64			.67	.06	.13	.05					.67									1.30	.05						.11		4.14
Thistle	do																																
Tooele	do		.25	T.				T.	.47				T.									T.	.25	.51	.11						.07		1.66
Utah Lake P. S.	do																																
Vernon	Desert	.50	.06					T.				.15		.09									.32	.14						.05	.10		1.41
Wendover	do	.02		.55										.14							.08												0.79
Whiskey Creek	do													.10																			0.10
Winder	Sevier Lake																																
Woodruff	G. S. Lake																																

TABLE 2.—*Daily precipitation for September, 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	29	30	
Oregon.																																
Ana River	S. E. drainage																													.23		0.23
Bear Valley	do																												T.	.08		0.08
Burns	do																												.15			0.15
Burns Mill	do																															.....
Christmas Lake	do																															.....
Cliff	do																												T.	.36		0.36
Diamond	do			T.																		T.								.38		0.38
Embody	do			.08																		.06							.13			0.27
Fort Rock	do																					T.							.03			0.03
Paisley	do																					T.								.42		0.42
Seneca	do																												T.	T.		T.
Silver Lake	do																													.07		0.07
Valley Falls	do																														.30	0.30
California.																																
Bijou	Truckee																															.....
Boca	do																															0.00
Bridgeport	East Walker												.02	.01								.10										0.13
Cathedral Park	Truckee																												.01			0.01
Deer Park	do																															0.00
Hobart Mills	do																													.20		0.20
Lundy	East Walker							.45					.35								.45					T.						1.25
McKinney	Truckee																															.....
Markleeville	East Carson							T.																								T.
Shields Ranch	East Walker																															0.00
Silver Creek	East Carson			.06				.11																								0.17
Tahoe	Truckee																													.10		0.10
Tallac	do							T.																								T.
Truckee	do																															0.00
Woodfords	West Carson																															.....
Nevada.																																
Arthur	Humboldt								.60													.26										0.86
Austin	Reese							.33						.15																		0.48
Battle Mountain	Humboldt		.20					T.						.47																		0.67
Beowawe	do			.20					.30													T.										0.50
Carlin	do		1.00																													1.00
Cherry Creek	do			.04			.03	.03				.04		.18								.20										0.52
Clover Valley	do																															.....
Columbia	Desert													1.72	.48																	2.20
Dry Farm	Humboldt	.02		.22					.18													.02										0.44
East Rochester	do																					T.								T.		T.
Elko	do	T.	.69					.18	.01				.01							T.		T.										0.89
Eureka	do	.04						.03					.08	.25								.10								.07		0.57
Fallon	Carson													.03																		0.03
Fernley	Truckee																															0.00
Gardnerville	Carson																															0.00
Gerlach	Desert																															0.00
Geyser	Humboldt	T.													T.							.40										0.40
Glenbrook	Truckee																															.....
Golconda	Humboldt							.01																						.10		0.11
Halleck	do		.11					.08																								0.19
Hylton	do																															0.00
Jean	Desert						T.						*	.23																		0.23
Lahontan	Carson							.05																								0.05
Lewers Ranch	Truckee																															0.00
Lida	Desert													.36																		0.36
Lovelock	Humboldt																															.....
McDermit	do							T.	T.				T.											.03					.72		0.75
McGill	do													.20								T.										0.20
Metropolis	do	T.	.12					.18						T.								T.										0.30
Mill City	do																													.30		0.30
Millett	Reese	.36												.16																		0.52
Mina	Desert	.25	.25	.30										.15																		0.95
North Fork	Humboldt		.03											.02																		.....
Oasis Ranch	Desert	.02											T.	.28								T.										0.30
Potts	Reese							.02					T.	.03																		0.05
Quinn River Ranch	Quinn																															.....
Rebel Creek	do																															.....
Reno	Truckee							T.													T.								.08			0.08
Rose Creek	Humboldt																					.12								.51		0.63
Smith	West Walker													T.																		T.
Soda Lake	Carson																															.....
Spooners Ranch	Truckee																															0.00
Tecoma	Humboldt	.03	.05	.02					.03																							0.13
Tonopah	Desert	.07	.02											.53																		0.62
Wells	Humboldt																															.....
Willow Point	Little Humb'dt																															.....
Winnemucca	Humboldt								.01					T.								.13							T.	.37		0.51

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

Date.	Wyoming.						Utah.																			
	Border.		Evanston.		Weston, Idaho.		Black Rock.		Corinne.		Government Creek.		Marysvale.		Meadowville.		Modena.		Ogden.		Parowan.		Spanish Fork.		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	77	50	70	48	86	59	80	61	81	55	81	61	75	49	79	52	73	58	83	56	75	54	86	61	81	65
2	73	46	69	54	77	58	81	59	77	59	77	58	72	52	73	52	74	57	76	58	73	54	77	62	76	61
3	71	51	69	48	77	53	80	54	86	60	80	56	72	54	75	44	78	53	87	55	75	55	81	57	80	63
4	79	35	77	41	85	46	87	44	89	59	85	53	80	47	78	40	83	48	85	50	83	49	86	53	84	57
5	83	39	80	43	87	67	90	47	85	51	84	55	80	43	82	43	84	50	89	50	82	53	89	56	87	60
6	83	40	77	46	91	50	85	56	86	50	83	60	68	54	83	46	79	56	87	52	74	56	84	60	86	66
7	86	58	65	49	78	53	77	55	80	55	70	61	65	55	67	48	72	54	75	55	73	55	72	62	74	63
8	71	45	69	51	77	58	82	47	87	54	82	57	75	49	72	54	78	51	80	60	75	49	85	64	80	63
9	76	39	70	44	78	50	84	49	79	54	83	59	79	47	74	44	80	47	82	56	79	53	86	56	79	59
10	74	33	75	36	79	40	88	40	89	59	81	46	82	43	73	37	81	47	83	55	81	53	85	55	76	54
11	74	32	76	36	87	36	87	46	84	45	84	49	83	41	75	39	82	49	84	52	81	47	86	55	83	58
12	82	32	76	37	86	42	90	41	88	55	87	53	80	40	76	38	82	49	86	43	85	52	89	52	87	59
13	76	36	70	40	82	50	76	47	86	58	74	55	80	46	75	44	71	51	79	55	72	57	83	53	79	62
14	71	44	65	47	78	53	79	51	82	53	75	53	71	45	71	48	77	51	77	52	75	46	76	56	75	59
15	70	30	64	35	76	36	81	38	84	43	74	45	75	39	68	40	80	46	75	43	78	44	77	49	72	54
16	71	28	67	32	78	37	78	36	75	45	74	43	84	37	66	36	78	46	78	39	78	48	77	47	73	52
17	74	28	72	32	81	36	85	34	85	50	79	43	79	36	70	34	81	42	80	42	81	42	88	48	81	54
18	78	28	72	33	85	40	90	38	80	55	85	52	84	35	76	45	86	44	83	39	85	43	77	45	83	55
19	76	29	68	40	75	40	82	38	81	42	74	41	77	40	69	40	81	49	75	41	78	48	81	47	72	54
20	76	22	75	26	78	30	84	27	73	38	76	37	80	28	70	30	82	40	78	34	80	37	79	41	76	49
21	76	24	72	29	81	35	88	35	69	35	85	48	83	35	69	32	83	48	83	40	84	45	81	46	84	50
22	66	29	65	35	65	36	69	43	65	37	58	39	80	44	58	33	69	37	55	42	73	46	67	41	57	40
23	45	31	48	28	50	34	51	30	66	34	45	31	50	28	50	30	52	30	52	35	49	28	47	34	49	37
24	55	16	43	23	51	31	55	23	78	35	46	34	50	27	48	29	52	27	52	32	56	28	49	35	49	38
25	67	17	53	22	63	21	60	20	79	32	56	27	54	30	50	27	56	33	60	26	58	26	59	32	56	38
26	68	20	65	23	70	24	68	18	67	29	63	30	65	27	56	25	66	28	67	28	67	27	66	35	62	39
27	70	22	67	26	74	27	75	20	66	35	70	34	73	25	60	25	72	32	72	32	73	30	71	39	67	43
28	70	22	68	27	76	29	79	23	68	40	73	39	75	25	68	31	75	42	75	33	76	34	76	40	73	44
29	70	28	66	28	69	34	75	32	71	33	65	47	73	30	69	31	70	39	72	36	70	34	73	41	69	50
30	55	32	60	30	65	40	65	37	70	35	62	40	73	34	62	34	63	36	68	38	65	34	67	41	64	49
Mns.	72.1	32.9	67.8	36.3	76.2	41.5	78.4	39.6	78.5	46.2	73.7	46.9	73.8	39.5	68.7	38.4	74.7	44.7	75.9	44.3	74.5	44.2	76.7	48.8	73.8	53.2

Date.	Burns, Oreg.		Nevada.																									
			Cherry Creek.		East Rochester.		Elko.		Eureka.		Fallon.		Jean.		McDermitt.		Millet.		Mina.		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	89	40	78	55	75	55	90	49	76	54	87	57	98	72	82	53	89	50	89	56	82	57	90	40	72	54	85	59
2	86	40	81	55	75	54	85	50	77	53	87	54	99	72	80	47	86	50	82	55	78	54	90	44	71	50	84	53
3	87	38	75	55	72	52	81	45	79	45	85	57	99	73	77	50	81	44	84	47	76	57	90	38	75	54	80	52
4	85	36	79	47	77	54	90	40	82	48	88	50	98	75	82	47	84	45	89	53	85	49	85	34	80	57	86	47
5	80	40	82	50	79	53	93	42	86	50	88	50	101	74	85	49	86	44	88	54	86	48	86	37	82	60	87	47
6	82	42	84	50	82	58	94	48	87	50	91	49	103	74	85	51	87	45	88	56	89	50	90	41	84	62	90	46
7	80	38	74	54	82	62	97	52	82	54	91	52	101	72	87	53	82	56	92	52	85	54	90	37	77	63	91	54
8	82	29	78	54	77	58	86	48	81	52	88	60	99	73	83	54	83	45	90	55	80	55	90	41	79	57	84	57
9	78	34	78	47	71	48	82	48	81	44	83	44	99	75	73	44	83	41	90	46	83	45	87	36	79	58	78	49
10	73	41	79	45	78	54	90	38	82	41	86	45	98	73	80	44	83	37	88	46	85	46	85	30	80	58	84	45
11	74	38	78	49	80	58	92	43	83	55	90	45	100	68	88	54	85	40	89	47	88	48	85	32	82	63	90	49
12	76	40	83	50	81	64	90	52	85	59	94	52	100	67	89	50	86	46	88	62	88	53	85	31	83	65	90	57
13	78	36	72	47	76	56	84	55	69	52	88	61	98	67	84	57	75	51	85	72	82	53	85	34	70	50	85	55
14	80	33	73	45	74	54	79	43	76	41	84	46	90	60	77	40	79	39	84	68	82	47	82	31	73	50	81	45
15	81	29	75	41	72	54	83	35	77	40	85	43	93	60	78	43	82	41	84	50	85	47	82	21	78	56	82	40
16	85	31	73	45	77	52	89	39	78	39	84	50	92	59	82	45	81	45	88	63	85	47	82	21	78	57	81	47
17	83	34	79	40	82	58	90	38	85	45	92	45	89	59	88	51	87	40	92	50	90	49	85	32	82	61	91	43
18	78	30	84	52	80	60	92	40	85	50	95	50	89	61	83	51	88	41	94	54	91	51	82	31	85	59	88	47
19	76	29	76	46	78	57	88	38	81	43	87	47	90	62	81	40	85	55	92	55	85	51	82	30	84	66	82	43
20	79	34	79	40	82	61	93	34	88	44	89	44	91	60	87	48	88	38	92	49	87	49	85	31	85	65	89	40
21	80	32	80	52	73	52	95	40	79	55	84	58	88	58	72	56	79	68	88	58	78	58	80	22	81	59	78	55
22	86	36	63	39	54	34	78	32	68	40	67	52	88	57	59	31	70	50	82	58	66	43	80	21	61	38	59	40
23	85	34	48	30	45	31	53	32	53	27	61	35	85	40	57	34	58	33	64	36	59	37	80	21	53	35	59	31
24	80	26	48	30	56	34	65	25	55	24	65	30	80	38	62	25	60	24	66	32	68	32	65	21	58	37	63	25
25	76	30	55	27	62	38	72	22	42	22	71	30	70	35	69	30	67	22	70	29	73	34	70	20	63	41	68	27
26	82	32	66	29	67	43	80	20	73	28	75	27	68	37	74	32	78	23	72	28	75	34	82	21	68	47	74	25
27	81	31	72	35	70	48	80	25	77	38	80	38	86	48	78	43	79	27	80	37	79	40	80	21	73	51	79	35
28	80	30	74	34	68	50	83	28	78	36	83	39	85	39	77	40	78	30	82	38	79	40	80	20	75	53	80	34
29	78	28	62	33	62	34	80	26	67	36	75	40	87	50	64	35	70	46	78	47	62	43	80	21	58	37	50	39
30	79	26	61	40	57	35	73	37	59	35	65	33	85	40	62	34	65	27	68	35	67	46	79	20	62	31	64	36
Mns.	80.6	33.9	73.0	43.9	72.1	50.7	84.2	38.8	75.0	43.3	82.9	46.1	91.6	59.9	77.5	44.4	79.5	41.4	83.9	49.6	79.9	47.2	83.1	29.3	74.4	53.3	79.4	44.1

[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.