Climatological Data for December, 1910.

DISTRICT No. 9, COLORADO VALLEY.

FREDERICK H. BRANDENBURG, District Editor.

GENERAL SUMMARY.

The unusually mild weather that characterized the fall months continued without a break during the first and second decades, with two brief periods of precipitation that were confined to the northern half of the district. With the approach of the third decade a change to unsettled weather was general; temperatures were lower than the normal most of the time, precipitation became more frequent and widespread, but unfortunately insufficient in amount to bring the totals for the month up to the average, except in a few localities. Although a fair volume was reported in the upper Salt and upper Gila Rivers, water for irrigation was scarcely adequate to the needs, while in southwestern New Mexico the supply was decidedly short in all districts.

TEMPERATURE.

The mean of the 124 stations reporting was 37.6°, or 2.8° warmer than the normal and 10.8° warmer than December, 1909. By subdivisions, the means and departures were: Western Wyoming, 19.5°, +3.2°; western Colorado, 24.7°, +4.1°; eastern Utah, 31.1°, +3.6°; western New Mexico, 37.0°, +2.3°; Arizona, 47.6°, +2.2°; and southeastern Nevada, 41.2°. The highest monthly mean was 62.0° at Mohawk Summit, Ariz., and the lowest, 7.4°, at Dillon, Colo. During the first decade temperatures were continuously above the normal, except one day in the upper San Juan Valley. In the central part of the district the excess was marked. Mean temperatures above the normal persisted throughout the second decade, except near the Gulf of California. The last decade averaged colder than the normal throughout the district, although there were several warm days in the central portion. It was during this decade that the minimum temperatures of the month were generally recorded, and heavy to killing frosts occurred in the central and southern portions of Arizona. The highest temperatures of the month were generally within a few degrees of the highest of record for December, while the lowest were not near so low as are commonly noted in December. By subdivisions the extremes were: Western Wyoming, 45° and −11°; western Colorado, 60° and −27°; eastern Utah, 65° and −5°; western New Mexico, 76° and −28°; Arizona, 83° and −6°; and Nevada, 91° and 12°.

PRECIPITATION.

The average precipitation for 172 stations reporting was 0.75 inch, or 0.37 inch below the normal, and 0.73 inch less than for the corresponding month last year. A deficiency was noted on all drainage areas except the Grand. By watersheds, the means and departures were: Green, 0.98, −0.02; Grand, 1.49, +0.28; San Juan, 1.29, −0.37; Little Colorado, 0.53, −0.34; Gila, 0.27, −0.69; Mimbres, 0.10, −0.54; and Colorado proper, 0.66, −0.09 inch. The greatest monthly amount was 3.92 inches, at Corona, Colo., and none occurred at 1 station in Colorado, 6 stations in New Mexico, and 12 stations in Arizona, principally on the Gila watershed. The average number of days with 0.01 inch or more of precipitation was 4.

MISCELLANEOUS.

The percentage of sunshine was below the normal in western Colorado and central Arizona, while a marked excess was noted in the southwestern part of Arizona. Grand Junction reported 43, Drurango 65, Flagstaff 80, Phoenix 75, and Yuma 89 per cent of the possible.

The mean relative humidity was 12 per cent above the normal at Phoenix, while somewhat less than the normal was noted elsewhere. The values reported were: Grand Junction 75, Durango 69, Flagstaff 64, Phoenix 62, and Yuma 44 per cent.

Extracts from section snowfall bulletins:

Western Wyoming.—At the close of December there was less than the usual amount of snow in the region drained by the Green, and the present outlook for water the coming season is not encouraging.

Western Colorado.—The season's snowfall up to December 31 was much less than for the corresponding period last year, and, as a whole, considerably less than the normal. In a few localities on the different watersheds approximately the average amount was noted, but the areas so favored are too small to make up for the general and marked deficiency in the water stored for late irrigation. The snow is generally unpacked and there has been little drifting.

Eastern Utah.—The snowfall up to December 31 was below the average and much below the amounts reported a year ago. The outlook for water is poor.

Western New Mexico.—The snowfall during October, November, and December was much lighter than the normal and considerably less than for the corresponding period last year. The snow is not compact and is evenly distributed.

Arizona.—The snowfall of December was much below the normal. As compared with the close of December, 1909, the deficiencies in depth were: Salt and Verde watersheds, 13.5 inches; Gila watershed, 4.9 inches; Agua Fria and Hassayampa watersheds, 8.5 inches; and Little Colorado watershed, 38.9 inches.

NEW SITE FOR THE COLORADO RIVER DAM.

By L. N. JESUNOFSKY, Section Director.

Orders have been given by Mr. R. M. Teague, president of the Chuckawalla Development Company, for the inauguration of drilling operations on the Colorado River, at a point known as Box Canyon, near Bill Williams Fork, about 16 miles north of Parker, Ariz. A steam barge is now under course of construction and upon its completion the drilling apparatus lately received will be towed up the stream, and the little steamer will be put in commission for the transportation of material and supplies to the base of operations.

The drilling operations which have been in progress about 5 miles above Parker for the past few months are still being continued, but it is stated that this site will be abandoned, owing to the great depth to bedrock, which makes that point impracticable for the construction of a power dam. The company will endeavor to find a more suitable site up the river.

In connection with the abandonment of the old site, it is stated that a 10-foot diversion dam is planned by the Chuckawalla Company at Headgate Rock, the power dam to be built farther up the stream. If this report is correct, it goes to prove that the Chuckawalla Company plans to provide an irrigation system for the reservation. Heretofore the officials of the company disclaimed any intention to provide an irrigation project for these lands, basing their arguments and petitions to Congress on the privilege of building a dam on the Colorado solely for the purpose of conveying water into the Chuckawalla Valley, over 40 miles west of Parker. This latter project, it is now claimed, has been abandoned by the company, owing to its utter impracticability. What arguments will be advanced before the Congressional Committee on Rivers and Harbors for the construction of a dam near Bill Williams Fork are not known, but, from all appearances, it looks as if it will have to be admitted that it is solely for power purposes.

The Chuckawalla Company is contemplating the construction of a diversion dam in the event of the passage of the Warren bill, now before Congress. The cost of such a dam would not be so great as the one originally contemplated, and in the absence of any holdup in the way of water rights there is no doubt but what the citizens of Parker would approve this means of opening up the Parker Indian Reservation, with certain amendments to the Warren bill.

TABLE 1.—*Climatological data for December, 1910. District No. 9, Colorado Valley.*

Stations.	Counties.	Elevation, feet.	Length of record years.	Temperature, in degrees Fahrenheit.							Precipitation, in inches.				Number of rainy days, .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.																				
Battle Mountain	Carbon	7,300																		Forest Ranger.
Daniel	Uinta	6,740	11	19.0	+ 2.8	45	6	−10	6	55	0.50	− 0.32	0.30	5.0	2	16	13	2	nw.	J. M. Van Dervort.
Eden	Sweetwater	6,577	2	16.4		40	24	−11	25†	48									w.	Eden Val. L. & Ir. Co.
Green River	do	6,083	5	23.0[f]	+ 3.5	51	1	− 2	16†	37[f]	0.13	− 0.26	0.05	2.0	3	21	4	6	w.	Geo. W. Maxom.
Pinedale	Fremont	7,167	4																	Forest Supervisor.
Rambler	Carbon	9,232																		J. C. Fothergill.
Willow Creek Cabin	Fremont	7,500	2																	John L. Allen.
Colorado.																				
Ashcroft	Pitkin	9,483	8	21.0		43	1†	−11	29	40	1.27		0.57	20.5	6					Dan McArthur.
Bed Rock	Montrose										0.37		0.21	6.8	3	18	8	5		W. B. Weybright.
Breckenridge	Summit	9,536	20	16.7	− 0.3	44	2	−15	26	49	1.05	− 1.21	0.50	17.6	5	7	13	11	nw.	Mrs. J. G. Thompson.
Buford	Rio Blanca										1.66		0.55	33.6	6	17	3	11	w.	Mrs. H. Genler.
Cascade	San Juan	8,900	4	28.8[d]		60[f]	12	−10[b]	29	55	2.44		0.66	26.4	9	16	5	10		San Juan P. & W. Co.
Cedaredge	Delta			29.2		53	10	− 5	22	33	0.70		0.52	8.0	2	17	6	8		Harry A. Cobbett.
Chromo	Archuleta	7,500	4	26.4		58	20†	−26	29	66	0.37		0.15	14.5	4				sw.	Lawrence Nolan.
Cochetopa	Saguache	9,088	1								0.41		0.18	5.6	4	11	15	5	ne.	Bessie McDonough.
Collbran	Mesa	6,000	17	29.3	+ 5.4	52	1	5	23	29	1.38	+ 0.21	0.49	22.0	9	12	10	9	sw.	A. A. Wood.
Columbine	Routt	8,766	1								2.86		0.45	36.2	12	10	13	8	sw.	Mrs. M. A. Caron.
Columbine Ranch	Delta	6,925	1								1.96		0.46	13.1	8	16	4	11	s.	Geo. W. Wade.
Corona	Grand	11,660	4	13.3		36	17	− 8	30	24	3.92		0.60	49.5	14				w.	U. S. Weather Bureau.
Craig	Routt																			C. S. Merrill.
Crawford (near)	Montrose	6,600	1	29.4		53	11	0	29	33	1.50		0.57	14.5	10	14	8	9		C. W. Roe.
Crested Butte	Gunnison	8,867	1	15.2		45	2	−17	30	48	3.04		0.77	25.0	7	15	11	5		Charles L. Ross.
De Beque	Mesa	4,935	1																	C. M. Paine.
Delta	Delta	4,965	19	27.5	+ 2.2	58	2	− 8	29	38	1.60	+ 0.96	0.40	13.8	10	11	7	13		E. M. Getts.
Dillon	Summit	8,800	1	7.4		39	23	−24	29†	53	0.75		0.33	13.5	4	15	8	8	n.	Harry T. Hamilton.
Dolores	Montezuma	6,500	1	31.7		56	2†	− 2	29	37	1.30		0.40	11.0	6	7	10	13	w.	Wm. C. Syrett.
Durango	La Plata	6,534	17	31.6	+ 2.7	58	9	4	29	34	0.94	− 0.99	0.33	10.7	7	12	13	6	nw.	U. S. Weather Bureau.
Eagle	Eagle	6,598	5																	J. M. Witteman.
Eureka	San Juan	10,000	3								2.01		0.44	22.0	12	14	0	17		San Juan P. & W. Co.
Fraser §§	Grand	8,560	2	18.4		45	1	−27	26†	54	1.67		0.50	19.0	8	9	8	14	n.	L. D. C. Gaskill.
Fruita	Mesa	4,510	11	29.0	+ 4.7	59	15	− 5	23†	40	0.87	+ 0.13	0.26	6.2	8	14	6	11		J. B. Willsea.
Gladstone	San Juan	10,400	3								3.48		0.57	43.4	11	4	15	12	ne.	San Juan P. & W. Co.
Glenwood Sp'gs (near)	Garfield	5,623	12	28.4	+ 3.2	56	1	− 1	22	47	1.10	− 0.34	0.40	7.0	5	17	5	9	w.	E. A. O'Neil.
Grand Junction	Mesa	4,608	19	30.0	+ 1.8	53	1	− 2	29	27	1.11	+ 0.67	0.42	8.6	8	11	6	14	nw.	U. S. Weather Bureau.
Grandlake	Grand	8,153	2								2.63		0.75	25.4	6	16	6	9	w.	Mrs. Belle Kauffman.
Grand Valley	Garfield	5,089	18	31.2	+ 6.5	54	1	0	23	39	0.65	− 0.25	0.20	5.0	7	8	10	13		David Evans.
Gunnison	Gunnison	7,670	17	11.8	− 0.4	46	1	−23	6†	39	1.39	+ 0.77	0.50	17.5	8	22	6	3	sw.	Clarence Adams.
Horsefly	Montrose	8,700	1								1.94		0.48	35.5	7	15	9	7	sw.	Lawrence J. Finch.
Ironton	Ouray	10,000	1								2.44		0.41	34.4	12	8	15	8	ne.	P. H. Foley.
Ladore	Routt										0		0.00	0.0	0	16	4	11		E. Bassett.
Lake City	Hinsdale	8,686	5	22.0		53	10	−14	29	41	1.05		0.44	9.9	11	14	12	5	s.	J. F. Maurer.
Lay	Routt	6,190	16	24.0	+ 5.1	57	8	−21	26	53	0.77	− 0.16	0.35	7.0	5	11	7	13		A. G. Wallihan.
Leal	Grand	8,750	1																	L. J. Wade.
Mancos	Montezuma	6,960	11	31.0	+ 4.4	60	3	− 7	29	44	1.79	− 0.57	0.60	15.0	6	19	8	4	nw.	B. M. Krumpanitzky.
Marble	Gunnison	7,951	1	25.9		51	1†	− 5	29	40	0.92		0.33	14.5	11	13	3	15	ne.	Homer Harrington.
Marshall Pass	Saguache	10,846	7								1.05		0.21	25.0	5				w.	Wm. D. Lillard.
Meeker	Rio Blanca	6,182	18	26.7	+ 7.1	54	1	−10	22	40	1.24	+ 0.04	0.53	10.0	6	13	9	9		T. Baker.
Montrose	Montrose	5,811	21	27.2[j]		52[j]	10	− 4[j]	29	33[j]	0.96	+ 0.17	0.40	13.5	11					U. S. Reclamation Service.
Nast	Pitkin	7,953	1			48	20†				1.08		0.36	16.4	4	13	7	11	w.	Arthur Hanthorn.
Pagoda	Routt	6,500	19																	Shaw Bros.
Pagosa Springs	Archuleta	7,108	3	24.6		53	2	−23	29	49	1.49		0.38	16.5	8	14	9	8		E. T. Walker.
Paonia	Delta	5,694	15	30.8		55	1†	− 1	23	33	2.20	+ 1.19	0.52	17.5	8	11	12	8	sw.	J. M. Underwood.
Parshall	Grand		1																	F. A. Field.
Pitkin	Gunnison	9,500	1								1.52		0.55	23.0	8	7	10	14	s.	Mrs. Maggie Cammann.
Pyramid	Rio Blanca			25.2		50	2	− 8	26	35	1.90		0.50	17.3	8	9	5	17	w.	C. E. Egry.
Rangely	do	5,050	11	26.4	+10.4	53	1†	− 7	29	39	0.76	0.00	0.27	6.4	5	11	7	13	w.	Mrs. C. P. Hill.
Redcliffe	Eagle	8,695	15								1.30		0.28	19.4	7	12	5	14		Dorothea Greiner.
Rico	Dolores	8,824	8								1.53		0.28	18.0	9	22	0	9	s.	Clinton B. Smith.
Rifle	Garfield	5,437		29.1		56	1	* 1	22	39	0.32		0.20	1.0	4					Horace Mann.
River Portal	Montrose	6,570	4																	U. S. Reclamation Service.
Sapinero (near)	Gunnison	8,125	8	20.0		46	9	−10	30	33	3.12		0.70	33.7	13	14	7	10	w.	W. F. Irving.
Shoshone	Garfield	6,110	1	29.5		48	1	8	30	27	1.28		0.55	10.5	7	14	3	14		Central Colo. Power Co.
Silverton	San Juan	9,285	6																	A. P. Root, jr.
Silverton (near)	do	9,400	3	20.6		49	2	−11	29	44	1.30		0.30	16.6	9	4	14	13	sw.	San Juan P. & W. Co.
Spruce Lodge	Grand	9,600	2								3.46		0.90	49.0	15					H. J. Wills.
Steamboat Springs	Routt	6,683	7	21.9		55	1	−25	26	52	2.28		0.60	14.4	8	18	3	10		M. Elliott Houston.
Tacoma	La Plata	7,300	3																	San Juan P. & W. Co.
Terminal Dam	do	8,300	3								1.44		0.38	17.5	8	18	6	7	s.	Do.
Terrill's Ranch	Mesa	7,000									0.68		0.19	T.	8	14	4	13	w.	A. F. Terrill.
Uncompahgre Plateau	Montrose	8,400	1																	Martin Esser.
Yampa (near)	Routt	8,000	1								0.57		0.16	8.4	8	12	8	11	s.	Percy A. Hughes.
Utah.																				
Aneth	San Juan	4,800	8	34.5		60	1†	15	23	38	0.45		0.18	3.0	4	20	8	3	se.	Howard R. Antes.
Castle Dale	Emery	5,500	11	25.2	+ 0.5	52	2	− 5	22†	40	1.15	+ 0.75	0.60		4	15	16	0		James Jeffs.
Elkhorn	Uinta		2								0.90		0.60	3.0	4	6	11	14		Forest Supervisor.
Emery	Emery	6,260	10	31.6	+ 3.9	60	4	3	31	40	0.50	+ 0.16	0.30	5.0	2	1	1	29	n.	H. C. Wickman.
Escalante	Garfield	5,700	10	31.4	+ 1.0	58	9	5	29	34	1.04	+ 0.22	0.45		4	16	0	15		Geo. H. Barney.
Fort Duchesne	Uinta	5,000	22	24.8	+ 6.4	51	9	− 3	31	35	0.37	− 0.18	0.27	4.3	4	21	0	10	e.	Post surgeon.
Fruitland	Wasatch	7,625	1	25.4		52	1	− 2	26	34	0.82		0.22	4.0	7	4	21	6	nw.	J. Peter Naab.
Grayson	San Juan	5,750	6																	Joseph A. Lyman.
Hanksville	Wayne		1																	F. J. Weber.
Hite	Garfield	3,000	11	39.2	+ 2.8	60	11	18	29	27	0.74	+ 0.32	0.28	7.0	5	13	13	5		John P. Hite.
La Sal	San Juan	7,000	10																	G. W. Carpenter.
Manila	Uinta										0.63		0.40	6.0	5	11	12	8		Daniel M. Nelson.
Moab	Grand	4,000	21	31.6	+ 0.6	54	1†	3	29	29	1.50	+ 0.76	0.40	12.0	7	12	9	10		Henry Crouse.
Orderville	Kane		1								0.88		0.50	1.0	5					F. A. Porter.
Ranch	do	6,700	9	33.0		60	1	4	29	36	1.32		0.77		3	20	5	6	w.	J. W. Seaman.
St. George	Washington	2,660	29	40.8	+ 2.6	65	12	21	16†	40	0.86	− 0.03	0.34	0.0	5	11	11	9		Joseph T. Atkin.
Springdale	do		3	52.2		81	8	22	28	38	1.30		0.40	0.0	6	11	6	14		Harriet Flanigan.
Sunnyside	Carbon	5,250	3								0.95			9.0	4					Henry Cullum.
Teasdale	Wayne	7,000	2	30.2		56	9	6	28	31[a]	1.82		0.60	12.0	5					Josiah Shurtz.
Theodore	Wasatch	5,507	5	25.4		58	9	0	30	32	0.66		0.35	2.0	7	7	12	12		M. M. Smith.
Tropic	Garfield	7,000	13	34.7[h]	+ 5.8	63	8	7	30	31[h]	0.09	− 0.34	0.06	0.9	2				nw.	E. P. Bolton.
Trout Creek Ranger	Uinta										0.75		0.20	12.0	5	9	19	3		Forest Supervisor.
Vernal	do	5,050	15	27.0	+ 9.1	53	1	2	26†	36	0.65	+ 0.01	0.32	1.5	4	13	7	11		S. P. Trim.

TABLE 1.—*Climatological data for December, 1910. District No. 9*—Continued.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahrenheit. Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Precipitation, in inches. Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	Number of rainy days, .01 inch or more.	Sky. Number of clear days.	Number of partly cloudy days.	Number of cloudy days.	Prevailing wind direction.	Observers.
New Mexico.																				
Alma	Socorro	5,500	14	40.9	+ 2.9	72	3	14	30†	52	0.35	0.60	0.35	0.0	1	17	14	0	s.	M. A. Balke.
Aragon	do	5,856	3	33.2		66	9†	2	31	53	0.30		0.30		1	15	12	4	sw.	John R. Milligan.
Aztec	San Juan	5,590									0.94		0.30	12.0	6	16	10	5		Dr. F. J. West.
Blackrock	McKinley	6,500	2	37.1		68	1†	0	28	45	0.08		0.08	1.0	1					R. J. Bauman.
Bloomfield	San Juan	5,500	15	31.7	+ 3.9	61	9	2	29	41	0.85	+ 0.22	0.20	7.2	7	15	12	4	sw.	Fred LeClerc.
Cambray	Luna	4,215	11			70	10†				0.00	− 0.51	0.00	0.0	0	13	10	8	w.	Agent S. Pacific R. R.
Columbus	do	4,054	1			73	3	14	30		T.		T.	0.0	0	11	13	7	ne.	Agent E. P. & SW. R. R.
Deming	do	4,333	33	42.8		76	3†	13	23	55	0.00	− 0.63	0.00	0.0	0	15	15	1	w.	Agent S. Pacific R. R.
Dulce	Rio Arriba	6,756	3	24.6	+ 0.6	53	10	−28	29	50	1.03	− 0.43	0.42	12.5	8	15	11	5	w.	G. H. Blakeslee.
Fort Bayard	Grant	6,152	35	42.0	+ 2.6	72	9	15	30	36	0.30	− 0.55	0.25	0.8	2	26	5	0	nw.	U. S. General Hospital.
Fort Wingate	McKinley	6,997	46	36.6	+ 3.9	64	9†	5	29	49	0.65	− 0.32	0.24	8.5	4	21	1	9	sw.	Medical Corps, U. S. Army.
Fruitland	San Juan	4,800	17	32.4	+ 2.8	61	11	4	29	38	0.32	− 0.08	0.16	4.0	3	21	9	1	nw.	Cyril J. Collyer.
Gage	Luna	4,486	3	43.4		71	11	13	23†	47	0.00	− 0.45	0.00	0.0	0	23	3	5	w.	Agent S. Pacific R. R.
Gila (near)	Grant	4,470	11																	T. J. Clark, sr.
Gila Planting Station	do	6,475		41.2		70	10	15	30	35	0.21		0.16	0.8	2	25	3	3	w.	U. S. Forest Service.
Hachita	do	4,504	1								0.14		0.14	0.0	1	17	11	3	nw.	Agent E. P. & SW. R. R.
Haynes	Rio Arriba	6,600	1								0.50		0.30	5.0	2	28	1	2	nw.	Dr. John R. Haynes.
Hermanes	Luna	4,451	1								0.00		0.00	0.0	0	27	4	0	w.	Agent E. P. & SW. R. R.
Lordsburg	Grant	4,245	10	43.2	− 0.3	75	12	16	31	49	0.02	− 0.57	0.02	0.0	1	26	2	3	sw.	Agent S. Pacific R. R.
Luna	Socorro	7,300	5	31.8		64	3	3	30	50	T.		T.	T.	0	10	21	0	s.	C. B. Martin.
Mimbres	Grant	5,007	5								0.06		0.06	0.0	1	25	5	1	nw.	Chas. Dennis.
Pratt	do	4,415	1								0.00		0.00	0.0	0	21	10	0	sw.	Agent E. P. & SW. R. R.
Putnam	San Juan	6,200	1																	D. Lee Thompson.
Redrock	Grant	4,150	5								0.17		0.10	0.0	2	21	10	0		Robt. H. Woods.
Rodeo	do	4,118	1								0.00		0.00	0.0	0	29	2	0		Agent E. P. & SW. R. R.
Arizona.																				
Allaires Ranch	Cochise	4,184	14								0.01	− 0.72	0.01	0.0	1	26	1	4	s.	Thos. Allaire.
Arizona Canal Dam	Maricopa	1,372	18	55.2	+ 1.5	77	9	30	31	36	0.52	− 0.44	0.44	0.0	3	13	13	5	ne.	U. S. Reclamation Service.
Aztec	Yuma	492	12	55.8	− 0.9	80	4	32	26†	40	0.06	− 0.54	0.06	0.0	1	26	3	2	s.	Agent S. Pacific Co.
Benson	Cochise	3,523	28	49.0	− 0.4	83	11†	20	28†	50	0.10	− 0.42	0.10	0.0	1	26	3	2	e.	Do.
Bisbee	do	5,500	20	48.3	− 1.8	73	10	26	30	30	0.13	− 0.92	0.13	0.0	1	21	8	2	e.	Rev. J. G. Pritchard.
Bonita	Graham	4,916																		A. Johnson & Co.
Bowie	Cochise	3,756	35	48.4	+ 1.6	76	1	23	29†	41	0.05	− 1.06	0.05	0.0	1	13	15	3	sw.	Agent S. Pacific Co.
Buckeye	Maricopa	980	19	53.2	+ 2.0	81	11	22	31	45	0.19	− 0.69	0.19	0.0	1	18	11	2	e.	H. E. Kell.
Camp Verde	Yavapai	3,160																		T. P. Gabbard.
Canille	Santa Cruz	5,225	1								0.05		0.05	0.0	1	10	16	5	sw.	R. A. Rodgers.
Casa Grande	Pinal	1,396	31	55.1	+ 1.5	79	3†	30	29	37	0.28	− 0.46	0.14	0.0	3	17	13	1	sw.	Agent S. Pacific Co.
Cave Creek	Maricopa	1,520	4	52.6		78	3†	28	31	43	0.55		0.43	0.0	2	20	8	3		E. A. Howard.
Chin Lee	Apache	6,090	3	32.2		65	10	5	23	42	0.46		0.22	4.2	5	20	5	6	n.	F. L. Ostermann, O. F. M.
Chlarson's Mill	Graham	8,000	3	36.6		64	3†	13	28	42	0.63		0.35	6.5	2	15	10	6		H. R. Chlarson.
Clifton	do	3,584	19	46.6		67	4	29	29†	27	0.33	− 0.72	0.21	0.0	2	28	3	0		P. Reisinger.
Cline	Gila	2,300	11	49.4	+ 3.0	78	16	23	28	46	0.53	− 1.15	0.46	0.0	2	16	11	4	sw.	W. M. Clanton.
Cochise	Cochise	4,219	12	44.9	+ 0.1	75	9	11	30	50	0.00	− 0.66	0.00	0.0	0	27	1	3		Agent S. Pacific Co.
Columbia	Yavapai	1,900																		M. J. Nolan.
Congress	do	3,688	14	53.8	+ 2.1	75	1	32	31	28	0.72	− 0.49	0.47	0.0	4	13	17	1	sw.	Assayer Congress Mine.
Courtland	Cochise	4,543	1								0.00		0.00	0.0	0	8	23	0	sw.	Agent E. P. & SW. Co.
Dos Cabezos	do	5,250	2	43.0		73	3	17	28	41	0.00		0.00	0.0	0	27	3	1	w.	N. Erickson.
Douglas	do	3,930	8	47.6		81	10	14	30	55	0.02		0.02	0.0	1	25	2	4	sw.	Dr. F. T. Wright.
Dudleyville	Pinal	2,204	21	50.6	+ 3.1	75	9†	20	31	43	0.41	− 0.91	0.34	0.0	2	13	13	5	se.	G. F. Cook.
Fairbank	Cochise	3,862	1								0.00		0.00	0.0	0	22	5	4		Agent E. P. & SW. Co.
Flagstaff	Coconino	6,907	20	33.2	+ 4.8	62	9	0	28	42	0.95	− 1.00	0.44	11.3	6	14	3	14	e.	U. S. Weather Bureau.
Florence	Pinal	1,504	12	54.4	+ 2.8	80	5	32	30†	44	0.35	− 0.94	0.35	0.0	1	20	9	2	w.	Agent P. & E. R. R.
Fort Apache	Navajo	5,200	40	41.2	+ 6.3	72	9†	16	15†	47	0.72	− 0.76	0.36	0.8	3	22	5	4	w.	Post Surgeon U. S. Army.
Fort Huachuca	Cochise	5,100	25	46.0	0.0	75	8	21	29	50	T.	− 1.01	T.	0.0	0	24	2	5	nw.	Do.
Fort Mohave	Mohave	604																		A. F. Duclos.
Gilabend	Maricopa	737	20	54.6	+ 1.2	79	7	29	30	37	T.	− 0.65	T.	0.0	0	26	4	1	sw.	Agent S. Pacific Co.
Globe	Gila	3,525	9	47.1		71	11	28	31	35	0.26		0.22	0.0	2	19	9	3	se.	B. G. Fox, M. D.
Grand Canyon	Coconino	6,866	8	35.6		68	9	− 6	27	44	1.48		0.76	14.6	5	18	7	6	sw.	Agent G. C. R. R.
Greer	Apache	9,200																		Mrs. M. Butler.
Hereford	Cochise	4,180	1								0.00		0.00	0.0	0	25	5	1	sw.	Agent E. P. & SW. Co.
Holbrook	Navajo	5,069	21	42.7	+ 7.8	73	9	14	30	46	0.21	− 0.49	0.16	2.0	2	25	2	4	sw.	T. Larson.
Intake	Gila	2,230	5								0.25		0.25	0.0	1	26	1	4	ne.	A. J. Robinson.
Jerome	Yavaypai	4,743	14	47.0	+ 3.6	66	11	26	27	26	0.97	− 0.46	0.45	0.0	4	19	8	4	w.	Dr. L. A. Hawkins.
Keams Canyon	Navajo	6,600	5	36.0		62	10	13	23†	34	0.68		0.21	7.5	5	16	10	5	ne.	L. R. Ballard.
Kingman	Mohave	3,326	9	47.4		74	1	22	30	42	0.42		0.40	0.0	2	5	23	3	ne.	G. R. Gooding.
Lewis Springs	Cochise	4,029	1								0.00		0.00	0.0	0	10	15	6		Agent E. P. & SW. Co.
Maricopa	Pinal	1,186	35	52.9	+ 0.1	78	16†	24	28	46	0.32	− 0.48	0.32	0.0	1	29	1	1	sw.	Agent S. Pacific Co.
Mesa	Maricopa	1,244	15	54.7	+ 3.6	76	2†	26	31	38	0.53	− 0.42	0.38	0.0	2	17	14	0	ne.	C. L. Diehl.
Mohawk Summit	Yuma	538	10	62.0	+ 5.3	77	1†	31	31	34	0.00	− 0.53	0.00	0.0	0	27	3	1	e.	Agent S. Pacific Co.
Naco	Cochise	4,579	1								0.02		0.02	0.0	1	22	8	1	w.	Agent E. P. & SW. Co.
Natural Bridge	Gila	4,990	21								1.13	− 0.86	0.50	T.	4	18	7	6	sw.	D. G. Goodfellow.
Nogales	Santa Cruz	3,830																		Wallace & Summerhayes.
Oracle	Pinal	4,500	17	50.4	+ 3.9	71	10	28	29	24	1.12	− 0.08	0.75	0.0	3	20	8	3	sw.	M. H. Winters.
Osborn	Cochise	4,676	1								0.02		0.02	0.0	1	15	13	3	w.	Agent E. P. & S. W. Co.
Paradise	do	3,940	5	44.5		75	3	12	30	57	0.00		0.00	0.0	0	21	5	5	sw.	J. C. Hancock.
Parker	Yuma	345	16	51.1	+ 0.3	79	13	20	25†	45	T.	− 0.47	T.	0.0	0	22	4	5	sw.	H. V. King, M. D.
Payson	Gila	5,500	2	44.6		74	1†	21	16†	48	0.67		0.50	T.	2	22	4	5	e.	M. McDonald.
Phoenix	Maricopa	1,108	16	54.6	+ 2.7	77	1	31	31	35	0.34	− 0.25	0.25	0.0	4	15	14	2	e.	Central Station.
Pinal Ranch	Pinal	4,520	16								0.44	− 1.92	0.27	0.0	2	21	9	1		Irion & Craig.
Pinto	Apache	5,600	6								0.60		0.50	9.0	4	23	5	3	sw.	Mrs. C. F. Henning.
Prescott	Yavapai	5,320																		J. W. Flinn, M. D.
Quartzite	Yuma	800	3	53.0		80	4	30	31	40	0.05		0.05	0.0	1	26	4	1	n.	W. E. Scott.
Redrock	Pinal	1,856	3	54.9		78	1†	32	23†	38	T.		T.	0.0	0	14	15	2	w.	W. J. Crowell.
Roosevelt	Gila	2,175	6	50.8		68	1†	30	23†	30	0.33		0.23	0.0	3	19	9	3		W. A. Schoenfeld.
Sacaton	Pinal	1,280	3	53.9		82	3	29	31	46	0.25		0.12	0.0	3	19	9	3		E. W. Hudson.
St. Johns	Apache	5,650	7	38.2		73	10	10	17†	50	0.31		0.12	2.2	3	13	7	11		A. Shreeve.
St. Michaels	do	6,950	24	34.0	+ 6.6	64	2	2	29	44	1.26	+ 0.30	0.38	13.0	4	22	6	3	sw.	Rev. A. Weber, O. F. M.
Salome	Yuma	1,875	4	45.8		73	10	23	30†	35	0.15		0.15	0.0	1	21	8	2	s.	Mrs. M. B. Swartz.
San Carlos	Gila	2,456	28	46.5	− 2.0	73	4	19	31	44	0.41	− 0.91	0.38	0.0	2	23	5	3	w.	F. S. Thomas.
San Simon	Cochise	3,609	24	48.8	+ 1.4	78	1	18	23	43	0.04	− 0.40	0.04	0.0	1	13	15	3	sw.	Agent S. Pacific Co.
Seligman	Yavapai	5,219																		C. W. Dougherty.
Sentinel	Maricopa	685	12	55.5	+ 1.4	80	10	30	29†	36	0.00	− 0.35	0.00	0.0	0	30	1	0		Agent S. Pacific Co.
Showlow	Navajo	6,300																		Zora Hall.
Silverbell	Pima	2,650																		Imperial Copper Co.
Snowflake	Navajo	5,644	1	36.2		71	10	13	15†	48	0.53		0.28	5.3	2	11	15	5	n.	W. J. Flake.
Supai	Coconino	3,200																		C. E. Coe.
Tempe	Maricopa	1,165	6	52.2		76	1	25	31	42	0.44		0.25	0.0	3	23	5	3	nw.	F. H. Simmons.
Thatcher	Graham	2,800	8	46.0		73	11†	17	31	45	0.00		0.00	0.0	0	19	12	0	nw.	Prof. J. H. Larson.

TABLE 1.—*Climatological data for December, 1910. District No. 9*—Continued.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahrenheit.							Precipitation, in inches.				Sky.				Prevailing wind direction.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	Number of rainy days, .01 inch or more.	Number of clear days.	Number of partly cloudy days.	Number of cloudy days.		
Arizona—Continued.																				
Tombstone	Cochise	4,550	12	49.5	+ 4.6	75	3	24	29	36	0.00	− 0.73	0.00	0.0	0	22	7	2	.....	F. N. Walcott.
Truxton	Mohave	4,197																		S. M. Atkinson.
Tuba	Coconino	4,500	12	35.7	+ 3.6	62	11	11	29	36	0.39	− 0.30	0.25	1.0	5	5	13	13	n.	G. H. Kraus.
Tucson	Pima	2,390	31	52.6	+ 0.9	83	3	23	29	45	0.06	− 0.85	0.06	0.0	1	5	24	2	nw.	University of Arizona.
Vail	....do	3,421	12	53.7	+ 0.4	82	6	28	31	46	0.04	− 0.47	0.04	0.0	1	21	9	1	sw.	Agent S. Pacific Co.
Walnut Grove	Yavapai	3,649	17								0.65	− 1.04	0.45	0.0	2	15	14	2	.....	J. O. Carter.
Wickenburg	Maricopa	2,072	13	50.2	+ 2.8	79	12	22	31	44	0.68	− 1.02	0.35	0.0	2	27	2	2	nw.	Agent S. F., P. & P. Ry.
Willcox	Cochise	4,164	30	45.2	+ 1.8	75	1†	15	31	52	0.25	− 0.43	0.25	0.0	1	11	13	7	sw.	Agent S. Pacific Co.
Williams	Coconino	6,750	9	37.9	.....	65	9	10	27	43	1.00	.....	0.50	10.0	4	15	11	5	w.	E. J. Nordyke.
Winslow	Navajo	4,853	8	39.5	.....	70	11	12	29	44	0.20	.....	0.10	1.5	2	21	4	6	.....	J. F. Bauer.
Yarnell	Yavapai	4,700	13								0.90	− 0.61	0.60	T.	2	21	7	3	s.	E. L. Bartholomew.
Yuma	Yuma	141	30	56.5	+ 0.8	80	3	30	31	36	0.00	− 0.45	0.00	0.0	0	29	1	1	n.	U. S. Weather Bureau.
Nevada.																				
Caliente	Lincoln	4,407	....	35.9	.....	62	3	12	28†	36	0.40	.....	0.30	4.0	2	21	5	5	ne.	Agent Salt Lake Route.
Las Vegas	Clark	2,033	2	46.6	.....	91	9†	14	27†	59	1.00	.....	.....	0.0	2	.....	.....	.....	.....	Do.
Logan	....do	1,700	3	47.2	.....	71	12	24	31	39	0.54	.....	0.47	0.0	3	10	7	14	n.	Ray M. Filcher.

[a], [b], [c], etc., indicate, respectively, 1, 2, 3, etc., days missing from the record.
* Precipitation included in that of the next measurement.
** Temperature extremes are from observed readings of the dry bulb; means are computed from observed readings.
† Also on other dates.
‡ Separate dates of falls not recorded.
§ Data are from standard instruments not supplied by the U. S. Weather Bureau.
§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.
‖ Estimated by observer.
‖‖ 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 2.—*Daily precipitation for December, 1910. District No. 9, Colorado Valley.*

Stations.	River basins.	Day of month. 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	Total.
Wyoming.																																	
Battle Mountain	Snake																																
Daniel	Green			.30								.20																			T.	T.	0.50
Green River	do			.03						T.	.05	.05										T.										T.	0.13
Rambler	Snake																																
Willow Creek Cabin	Green																																
Colorado.																																	
Ashcroft	Grand				.40							.05	T.								T.	.57	.05	T.		.18	.02	T.	T.				1.27
Bed Rock	Dolores																				.09		.07			.21							0.37
Breckenridge	Grand			T.	.50	T.				T.	.09		.16	T.								T.	.14	T.		.16			T.	T.			1.05
Buford	White			.27	T.	T.						.26	.09										.55	T.					.26			.23	1.66
Cascade	San Juan				.66							.05									.25	.25				.20	.29	.47	.10			.17	2.44
Cedaredge	Gunnison																					.52				.18							0.70
Chromo	San Juan							.05													.13						.15	.04					0.37
Cochetopa	Gunnison			T.	.16	T.							T.									.04				.18		.03				T.	0.41
Collbran	Grand				.05							.22	.09									.49	.12			.02		.01	.23			.15	1.38
Columbine	Yampa	.12	T.							.25	.42	.30	.16									.23	.45	.34	.18				.20	.08	.13		2.86
Columbine Ranch	Gunnison				.33							.46	.26									.40				.22	.12	.05				.12	1.96
Craig	Yampa																																
Corona ‖	Grand				.15	.16	.20			.08	.44	.40	.36	.12								.36	.60	T.	.26	.50	.09		.20				3.92
Crawford (near)	Gunnison				.22							.23	.04									.16	.04			.57	.08	.04	.08			.04	1.50
Crested Butte	do			.77	.38							.47									T.	.61			.58			.11	T.		T.	.12	3.04
De Beque	Grand																																
Delta	Gunnison				T.							.28	.11	.01							.01		.40			.30	.07	.10	.20			.12	1.60
Dillon	Grand				.14	T.				.23	.05	T.	T.	T.										.33	T.	T.	T.				T.	T.	0.75
Dolores	Dolores																				.40	.20				.20	.20	.20				.10	1.30
Durango	San Juan			.02	T.								T.								.20	.13				.13	.15	.28				.03	0.94
Eagle	Grand																																
Eureka	San Juan		T.	.11	.44							.18	.08								.10		.08			.37	.18	.09	.10		.10	.18	2.01
Fraser ‖	Grand			.30	.20			.02			.10	.25										.50			.10	.20							1.67
Fruita	do			T.	.03							.22	.02								.11	.26	T.			T.		.04	.04			.15	0.87
Gladstone	San Juan			.04	.57	T.						.19	.55								.29	.18	T.			.38	.30	.30	.31		T.	.37	3.48
Glenwood Sp'gs (near)	Grand				.20							.18	.24									.40	.08										1.10
Grand Junction	do			T.								.20	.05								.24	.23					.01	.19	.01			.18	1.11
Grandlake	do			.50	.50					T.	.75	.35	T.									.35	.18	T.					T.			T.	2.63
Grand Valley	do			T.	.06			T.				.16	.08									.20	.08					T.	.01			.06	0.65
Gunnison	Gunnison			.10	.50							.18	.08									.10				.35		.03	.05				1.39
Horsefly	do				.41																	.27	.21			.48	.30		.12			.15	1.94
Ironton	do			.03	.41							T.	.11								.22	.25	.26			.33	.19	.33	.11	.07		.13	2.44
Ladore	Green																																
Lake City	Gunnison			.02	.44						.04										.06	.10	.02			.20	.06	.07	.02			.02	1.05
Lay	Yampa			T.								.35										.30			T.	.05			.02			.05	0.77
Leal	Grand																																
Mancos	San Juan				.05																.60	.30				T.	.60	.12				.12	1.70
Marble	Grand			.02	.04							.02	.24									.18	.03			.33	.02	.01	.01			.02	0.92
Marshall Pass	Gunnison				.21					.21												.21			.21	.21		*					1.05
Meeker	White			T.	T.							.24	.16									.29							.02			.53	1.24
Montrose	Gunnison											.02	.09	.01	.01							.11	.05			.40	.11	.01	.14			.01	0.96
Nast	Grand			T.	.32	T.						.12	T.									.36	T.	T.	T.	.28	T.		T.			T.	1.08
Pagoda	Yampa																																
Pagosa Springs	San Juan				.14							T.	T.		.13						.18	.25				.12	.38	.23	.06			T.	1.49
Paonia	Gunnison			T.	.29							.52	.12									.49				.25	T.	.18	.20			.15	2.20
Parshall	Grand		.05																			.65										.05	0.75
Pitkin	Gunnison				.55							.18	.20	.02									.20				.30	.05	.02				1.52
Pyramid	Yampa				.30						.05	.10	.50									.30	.30		T.				.10			.25	1.90
Rangely	White			T.	T.							.15	.18								.01	.27										.15	0.76
Redcliffe	Grand			.07	.18	.28	T.					.20	T.							T.					.20	.18		.19	T.	T.	T.		1.30
Rico	Dolores											.21	.19								.28	.15			.17	.20	.10	.20	.03				1.53
Rifle	Grand				.05							.20									.04											.03	0.32
River Portal	Gunnison																																
Sapinero (near)	do			.05	.70							.23	.24								.06	.51	.28			.46	.14	.08	.18	.06		.13	3.12
Shoshone	Grand			.02	.30	T.						.22	.11									.55			.05			T.		T.		.03	1.28
Silverton	San Juan																																
Silverton (near)	do			T.	.20							.13	.16								.20	.11				.30	T.	T.	.09	.06	T.	.05	1.30
Spruce Lodge	Grand			.20	.59	.09				.10	.18	.30	.08									.90	.13	.18	.15	.25			.12	.10		.09	3.46
Steamboat Springs	Yampa				.60					.50		.25	.35									.30	.05			.15				.08			2.28
Tacoma	San Juan																																
Terminal Dam	do				.38								.03								.21	.23				.29	.14	.06				.10	1.44
Terrill's Ranch	Grand			.01	T.							.17	.06								.06	.19	.04			T.		.01				.14	0.68
Uncompahgre Plateau	Gunnison																																
Yampa (near)	Yampa			T.	.04	T.					.04	.11	.16									.13		T.	.02	T.		T.	.02	T.		.05	0.57
Utah.																																	
Aneth	San Juan																				.18					.16			.08			.03	0.45
Castle Dale	Green			.05								.30	.20								.60												1.15
Elkhorn	do			.10							.60	.10									.10												0.90
Emery	Colorado											T.									.30				.20								0.50
Escalante	do			.04									.15								.40					.45							1.04
Fort Duchesne	Green			.01							.05	.27										.04											0.37
Fruitland	do			.12	.09					T.	.18	.22	.09								.10	.02			T.						T.		0.82
Grayson	San Juan																																
Hanksville	Colorado																																
Hite	do											.05									.28	.03				.27	.11						0.74
La Sal	Grand																																
Loa	Colorado																																
Manila	Green				.02					.18		.40										.02										.01	0.63
Moab	Grand											.24	.06								.40	.20				.20	T.		.20		T.	.20	1.50
Orderville	Colorado										.02	.50									.26					.05	.05						0.88
Ranch	do											.77									.44	.11					T.						1.32
St. George	do										.07									.34		.03			.21		.21						0.86
Springdale	do																																
Sunnyside	Green			.30								.05									*	.60											0.95
Teasdale	Colorado			.02								.50	.10								.60					.60							1.82
Theodore	Green			.05	.10						.03	.35	.03						T.	T.	.05	.05											0.66
Tropic	Colorado																				.06					.03		T.					0.09
Trout Creek Ranger	Green			.05							.20	.10									.20											.20	0.75
Vernal	do				.10						.09	.32										.14										T.	0.65
New Mexico.																																	
Alma	Gila																			.35								T.					0.35
Aragon	do																				.30												0.30
Aztec	San Juan			.04																	*	.20	T.			.30		.20	.20		T.		0.94
Black Rock	Little Colorado																															.08	0.08
Bloomfield	San Juan				.15																.10	.15	T.			.06	.20	.15	.04			T.	0.85
Cambray	Mimbres																																0.00
Columbus	Gila															T.				T.													T.
Deming	Mimbres																																0.00

TABLE 2.—*Daily precipitation for December, 1910. District No. 9*—Continued.

Stations.	River basins.	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	
New Mexico—Contd.																																	
Dulce	San Juan			*	.11										.11						.14	.13	T.			.42	T.	.08	.04	T.		T.	1.03
Fort Bayard	Mimbres																				.25							.05					0.30
Fort Wingate	Little Colorado																				.24	.14						.24				.03	0.65
Fruitland	San Juan																				.04						.16	.12				T.	0.32
Gage	Mimbres																																0.00
Gila	Gila																																
Gila Planting Station	Mimbres																				.16	T.						.05					0.21
Hachita	Gila																											.14					0.14
Haynes	San Juan																				.20											.30	0.50
Hermanes	Gila																																0.00
Lordsburg	do																										.02						0.02
Luna	do																												T.			T.	T.
Mimbres	Mimbres																				.06												0.06
Pratt	Gila																																0.00
Putnam	San Juan																																
Redrock	Gila											.07															.10						0.17
Rodeo	do																																0.00
Arizona.																																	
Allaires Ranch	Sonora																										.01						0.01
Arizona Canal Dam	Salt																				.44						.06		.02				0.52
Aztec	Gila																.06																0.06
Benson	San Pedro																		T.								.10						0.10
Bisbee	do																			T.								.13					0.13
Bonita	Mimbres																																
Bowie	Gila																											.05					0.05
Buckeye	do																			.19							T.	T.					0.19
Camp Verde	Verde																																
Camille	San Pedro																			T.								.05					0.05
Casa Grande	Gila																			.14	.06						.08						0.28
Cave Creek	Verde																			T.	.43						.12						0.55
Chin Lee	San Juan																				.22	.06				T.	.09	.05				.04	0.46
Chiarsons Mill	Gila																				.35						.28						0.63
Clifton	do																				.21							.12					0.33
Cline	Salt																				.46	.07											0.53
Cochise	Desert																																0.00
Columbia	Agua Frio																																
Congress	Hassayampa																			.47	.05					.11	.09	T.					0.72
Courtland	White																																0.00
Dos Cabezos	Desert																																0.00
Douglas	Sonora																				.02												0.02
Dudleyville	Gila																			T.	.34					T.	T.	.07					0.41
Fairbank	San Pedro																																0.00
Flagstaff	Little Colorado																			.10	.36					T.	.34	.12	.01			.02	0.95
Florence	Gila																			.35													0.35
Fort Apache	Salt																			.18	.36	T.					.18						0.72
Fort Huachuca	San Pedro																											T.					T.
Fort Mohave	Colorado																																
Gila Bend	Gila																			T.													T.
Globe	Salt																						.22				.04						0.26
Grand Canyon	Colorado																			.15	.28		T.		.15	T.	.76	.14	T.				1.48
Greer	Little Colorado																																
Hereford	Gila																																0.00
Holbrook	Little Colorado																				.16	.05											0.21
Intake	Salt																				.25												0.25
Jerome	Verde																				.45	.04					.26	.22					0.97
Keanes Canyon	Little Colorado																				.21	.05				T.	.02	.20	T.			.20	0.68
Kingman	Colorado										.02									.40	T.												0.42
Lewis Springs	San Pedro																																0.00
Maricopa	Salt																			.32													0.32
Mesa	do																			.38							.15						0.53
Mohawk Summit	Gila																																0.00
Naco	San Pedro																										.02						0.02
Natural Bridge	Verde																			T.	.50	.13					.10	.40					1.13
Nogales	Santa Cruz																																
Oracle	San Pedro																				.75						.15	.22					1.12
Osborn	do																			.02													0.02
Paradise	Desert																																0.00
Parker	Colorado																		T.														T.
Payson	Verde																				.50	T.					.17	T.					0.67
Phoenix	Salt																			.16	.09						.08		.01				0.34
Pinol Ranch	Gila																				.27						.17						0.44
Pinto	Little Colorado																				.50						.04	.02				.04	0.60
Prescott	Hassayampa																																
Quartzsite	Colorado																			.05													0.05
Redrock	Santa Cruz																										T.						T.
Roosevelt	Salt																				.23	.05					.05						0.33
Sacaton	Gila																			.12	.07						.06		T.				0.25
St. Johns	Little Colorado																					.12					.10		.09			T.	0.31
St. Michaels	do																				.30	.38				T.		.28				.30	1.26
Salome	Colorado																			.15													0.15
San Carlos	Gila																				.38							.03					0.41
San Simon	do																											.04					0.04
Seligman	Verde																																
Sentinel	Gila																																0.00
Showlow	Little Colorado																																
Silverbell	Santa Cruz																																
Snowflake	Little Colorado											T.									.28							.25					0.53
Supai	Colorado																																
Tempe	Salt																			T.	.25						.12		.07				0.44
Thatcher	Gila																																0.00
Tombstone	San Pedro																																0.00
Truxton	Colorado																																
Tuba	Little Colorado											.08									.02	.02					.25	.02					0.39
Tucson	Santa Cruz																			.06	T.							T.					0.06
Vail	do																				.04												0.04
Walnut Grove	Hassayampa																	.20									.45						0.65
Wickenburg	do															.35												.33					0.68
Willcox	Desert																										.25						0.25
Williams	Colorado																			.05	.50						.15	.30					1.00
Winslow	Little Colorado																			.10	T.						.10	T.					0.20
Yarnell	Hassayampa																				.60						.30						0.90
Yuma	Colorado																																0.00
Nevada.																																	
Caliente	Colorado																				.30				.10								0.40
Las Vegas	do												*	1.00									T.										1.00
Logan	do									.03										.47	.04												0.54

TABLE 3.—*Maximum and minimum temperatures at selected stations for December, 1910. District No. 9, Colorado Valley.*

Date.	Wyoming.				Colorado.										Utah.										New Mexico.			
	Daniel.		Green River.		Durango.		Grand Junction.		Gunnison.		Meeker.		Steamboat Spgs.		Emery.		Fort Duchesne.		Hite.		Moab.		St. George.		Fort Bayard.		Fort Wingate.	
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.
1	42	4	51	15	54	28	53	28	46	14	54	23	55	15	56	29	48	20	59	34	54	28	64	31	61	32	60	25
2	42	8	40	17	53	26	48	27	42	10	47	21	40	16	58	25	49	22	58	32	54	26	58	29	65	30	62	23
3	42	20	41	24	51	30	43	32	36	14	46	30	38	28	55	26	37	22	59	39	46	33	56	31	69	35	61	31
4	38	10	32	21	47	24	49	27	43	19	49	30	35	26	60	22	38	10	60	41	52	27	64	30	66	40	60	30
5	40	0	36	19	45	18	45	22	20	− 8	45	17	35	18	55	20	36	12	55	29	47	20	57	25	62	32	55	12
6	45	−10	42	8	40	19	40	25	10	−23	46	13	36	− 4	58	18	35	10	47	31	44	21	55	25	55	26	48	18
7	.....	.....	39	13	51	22	46	24	23	−15	46	19	40	9	46	26	34	12	52	28	44	22	54	23	61	38	59	31
8	.....	.....	41	9	50	22	45	22	25	−11	50	15	40	4	42	21	43	12	50	28	47	22	58	34	65	36	57	24
9	38	12	43	31	58	24	45	27	35	5	51	36	40	26	50	16	51	15	56	30	52	22	49	24	72	36	64	30
10	30	20	35	24	53	25	46	26	40	11	47	26	38	31	55	21	44	18	58	32	48	25	55	29	71	35	64	29
11	40	14	33	26	49	33	42	32	40	31	47	32	37	31	50	21	49	32	60	33	48	28	59	33	70	35	58	32
12	35	18	39	29	51	30	45	34	32	22	41	31	40	31	55	20	48	33	58	40	48	35	65	29	69	37	60	26
13	30	− 7	30	4	50	27	50	29	32	20	46	26	43	25	51	29	45	23	56	33	50	35	62	29	60	29	54	22
14	37	− 5	32	6	45	24	45	28	22	− 9	35	13	37	0	55	18	40	18	54	29	45	26	59	25	55	27	51	11
15	30	− 7	32	0	51	19	45	28	23	−10	31	18	40	0	55	19	38	20	54	27	46	22	59	24	56	25	49	18
16	35	− 7	33	− 2	46	18	46	23	26	−13	33	14	41	1	49	16	38	22	52	27	39	24	53	21	53	27	60	11
17	40	− 4	35	− 2	50	18	46	21	22	−16	31	11	40	0	44	18	35	20	52	27	39	25	60	21	53	23	55	16
18	35	− 9	34	6	50	18	47	20	21	−15	29	19	32	− 3	56	15	30	20	53	26	36	22	64	24	54	27	55	18
19	42	18	44	7	45	19	43	19	24	−11	37	9	43	0	47	13	32	22	52	25	36	22	54	21	59	30	55	18
20	35	− 2	38	5	35	22	43	19	26	−13	32	12	41	4	31	17	31	25	42	30	33	22	47	27	55	35	51	25
21	31	4	30	18	37	17	34	29	19	10	30	21	34	24	41	9	32	13	50	32	44	26	51	38	44	27	48	19
22	24	− 5	27	8	31	9	31	7	23	− 3	28	−10	28	8	34	5	30	− 2	44	27	42	13	50	28	44	28	46	9
23	32	10	37	13	33	7	25	0	21	−15	31	− 6	26	− 9	38	11	32	0	42	23	34	11	52	25	45	25	45	6
24	36	− 9	38	8	39	13	28	7	19	− 3	44	4	26	1	35	12	30	− 1	44	26	31	14	54	27	44	27	50	13
25	26	10	29	− 1	37	22	34	20	26	− 2	37	14	29	1	38	19	31	− 2	37	29	33	18	48	28	45	27	45	29
26	25	− 8	33	0	39	28	34	12	32	− 5	29	− 9	20	−25	44	9	38	0	37	27	33	20	53	29	44	30	43	28
27	24	2	29	8	40	19	32	25	26	2	34	9	30	− 8	41	7	34	− 1	40	21	35	22	48	25	48	24	46	26
28	28	10	28	9	33	9	27	9	24	6	25	− 3	29	8	46	6	30	− 2	41	20	36	16	51	25	44	22	48	12
29	30	10	32	10	30	4	22	− 2	12	−22	30	− 3	30	5	46	5	30	− 1	39	18	32	3	51	22	40	18	45	5
30	34	15	30	6	34	6	28	4	6	−23	36	3	35	−17	38	4	32	9	40	24	33	10	52	25	44	15	48	9
31	30	− 5	28	7	25	8	23	8	10	−22	37	17	25	8	32	3	24	− 3	38	23	33	9	46	26	35	18	44	20
Mns.	34.3[b]	3.7[b]	34.8	11.2	43.6	19.6	39.7	20.4	26.0	−2.4	38.8	14.6	35.6	8.2	47.1	16.1	36.9	12.8	49.6	28.7	41.7	21.6	55.1	26.5	55.1	28.9	53.1	20.2

Date.	Arizona.																						Logan, Nev.	
	Bisbee.		Flagstaff.		Fort Apache.		Grand Canyon.		Parker.		Phœnix.		Prescott.		St. Michaels.		San Carlos.		Tucson.		Yuma.			
	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	66	40	59	25	70	23	52	27	75	31	77	47	.....	.....	62	23	66	43	79	42	78	54	67	35
2	66	41	62	20	70	23	56	24	76	35	74	42	.....	.....	64	20	63	28	80	36	77	50	65	32
3	72	43	60	30	69	27	54	27	78	35	74	46	.....	.....	62	23	66	30	83	39	80	49	65	38
4	69	46	53	23	68	29	47	10	77	35	72	45	.....	.....	57	37	73	32	74	39	76	43	70	37
5	65	37	46	21	66	23	62	29	75	30	74	42	.....	.....	51	16	68	33	73	33	76	51	65	34
6	60	34	56	22	68	21	54	32	74	36	74	39	.....	.....	46	16	68	24	76	38	76	46	65	37
7	67	39	58	21	66	25	64	30	72	38	72	40	.....	.....	57	20	65	26	76	34	75	45	63	29
8	69	40	62	22	67	25	66	36	75	37	74	39	.....	.....	60	20	69	27	77	36	78	46	63	29
9	70	41	62	24	72	26	68	24	73	37	72	41	.....	.....	63	22	68	26	79	35	78	46	56	35
10	73	33	59	25	72	26	62	23	70	42	72	43	.....	.....	61	22	63	26	81	36	75	47	50	36
11	70	48	53	25	68	25	36	30	76	38	74	46	.....	.....	53	22	69	27	76	38	78	49	68	34
12	65	41	47	17	64	26	54	22	77	38	71	41	.....	.....	53	18	71	28	72	35	73	48	71	36
13	58	41	46	30	63	22	54	28	79	39	74	42	.....	.....	52	18	66	27	75	34	74	45	68	45
14	57	35	46	24	60	23	50	17	78	41	73	49	.....	.....	51	16	65	40	73	44	74	43	70	41
15	53	35	44	27	60	16	48	21	77	38	72	42	.....	.....	51	13	65	27	69	35	76	49	66	29
16	52	37	52	15	60	17	35	23	70	31	70	42	.....	.....	56	12	66	28	68	42	74	44	63	34
17	57	33	48	17	65	18	60	24	72	37	72	44	.....	.....	55	15	65	27	71	36	73	37	61	27
18	59	40	46	18	65	22	53	23	74	36	74	46	.....	.....	55	14	69	26	71	35	69	44	62	40
19	59	40	47	18	61	21	58	19	66	28	70	49	.....	.....	54	13	63	28	76	53	68	40	62	35
20	56	44	40	22	51	26	58	17	56	30	59	47	.....	.....	51	17	58	42	61	39	65	36	60	44
21	49	30	31	19	40	31	46	23	64	24	60	42	.....	.....	35	25	56	38	58	30	64	34	59	33
22	56	30	40	10	44	29	46	19	67	29	61	36	.....	.....	37	7	62	31	57	27	66	34	55	29
23	65	35	50	11	56	20	42	13	67	32	62	33	.....	.....	34	11	60	25	65	27	69	38	59	29
24	56	34	49	20	61	22	48	19	69	38	66	38	.....	.....	38	13	60	25	72	29	70	36	55	21
25	55	35	39	29	54	22	50	22	58	20	60	40	.....	.....	52	23	60	27	72	36	62	40	53	33
26	58	46	32	26	55	28	46	27	56	32	58	42	.....	.....	50	21	64	39	66	35	64	34	57	40
27	52	27	30	9	41	29	38	− 6	58	30	57	36	.....	.....	47	25	59	34	58	29	66	31	55	27
28	44	27	34	0	40	20	41	6	56	20	59	38	.....	.....	33	5	57	26	53	27	62	38	58	27
29	42	28	31	9	46	16	41	10	58	21	59	32	.....	.....	32	2	55	25	59	23	65	32	59	25
30	49	26	41	11	50	19	38	16	68	27	63	37	.....	.....	46	7	58	27	65	33	67	34	54	30
31	49	40	29	14	41	18	36	14	68	25	58	31	.....	.....	49	19	54	19	58	29	64	30	53	24
Mns.	59.3	37.3	46.8	19.5	59.1	23.2	50.4	20.9	69.6	32.6	68.0	41.2	.....	.....	50.6	17.3	63.6	29.4	70.1	35.0	71.4	41.7	61.2	33.3