CLIMATOLOGICAL DATA FOR FEBRUARY, 1912.

DISTRICT No. 9, COLORADO VALLEY.

FREDERICK H. BRANDENBURG, District Editor.

GENERAL SUMMARY.

In the northern half of the Colorado Basin February was relatively mild, but in the southern part it was colder than the average. During the first 19 days there was a general absence of stormy weather and temperatures remained considerably above the normal, especially in the northern part of the district. After the 19th a marked change set in; the weather became unsettled and cold, high winds were common, and temperatures remained below the normal till the close of the month. The precipitation was light, making the fourth consecutive month with much less than the normal amount. The total for the four months, November and December, 1911, and January and February, 1912, for the basin of the Green River was 2.65 inches, or 77 per cent of the normal; for the basin of the Grand, 4.27 inches, or 74 per cent; for the San Juan Basin, 3.13 inches, or 56 per cent; for the Little Colorado Basin, 0.84 inch, or 16 per cent; for the Gila Basin, 1.33 inches, or 29 per cent; for the Mimbres Basin, 1.15 inches, or 50 per cent; and for the Colorado proper, 0.99 inch, or 30 per cent of the normal. For the corresponding months of 1910 and 1911 the totals were: Green, 4.68; Grand, 6.33; San Juan, 8.54; Little Colorado, 4.70; and Gila, 5.45 inches.

TEMPERATURE.

The mean for the 147 stations reporting was 36.9°, or 0.7° above the normal. The mean for February, 1911, was also 36.9°. By subdivisions the means and departures were: Western Wyoming, 17.5°, +2.3°; western Colorado, 24.0°, +0.9°; eastern Utah, 33.1°, +4.1°; western New Mexico, 37.0°, −1.1°; Arizona, 47.6°, −0.1°; and southeastern Nevada, 38.2°. The highest monthly mean was 60.2° at Aztec, Ariz., and the lowest, 5.7°, at Corona, Colo. There was but little variability in daily mean temperatures during the warm period that prevailed till near the close of the second decade, and similar conditions prevailed during the last decade after the change to colder occurred. Except in Wyoming and Colorado, the range of temperature in the different areas was not so great as during January. By subdivisions the extremes were: Western Wyoming, 51° at Green River and −28° at Daniel; western Colorado, 59° at Grand Valley and −30° at Fraser; eastern Utah, 84° at Escalante and −22° at Strawberry Tunnel (East); western New Mexico, 74° at Rodeo and −4° at Pinos Altos; Arizona, 88° at Yuma No. 1 and −7° at Lakeside; southeastern Nevada, 67° and 10° at Caliente.

PRECIPITATION.

The average for the 198 stations reporting was 0.56 inch, or 0.77 inch below the normal. The average for February, 1911, was 1.62 inches. A deficiency occurred on all drainage areas, and it was marked in the central and southwestern parts of the basin. By watersheds the averages and departures were: Green, 0.75, −0.31; Grand, 1.00, −0.58; San Juan, 0.67, −1.17; Little Colorado, 0.08, −1.50; Gila, 0.44, −0.89; Mimbres, 0.53, −0.25; and Colorado proper, 0.38, −0.54 inch. By subdivisions the greatest and least monthly amounts were: Western Wyoming, 1.40 at Daniel and 0.08 at Eden; western Colorado, 7.91 at Corona and a trace at Montrose; eastern Utah, 1.90 at New Harmony and none at three stations; western New Mexico, 1.15 at Lordsburg and a trace at Columbus; Arizona, 1.65 at Fort Huachuca and none at 25 stations, principally in the central part of the State. During the first decade the precipitation was confined to Colorado. The distribution extended over a somewhat larger area during the second decade, particularly on the 11th and 12th. During the last decade it occurred principally in the northern half of the district; on the 23d–25th, however, the distribution was the widest of the month, and measurable amounts occurred in all the different subdivisions. Monthly snowfalls of 30 inches or more occurred at six stations in Colorado; in the remaining subdivisions the maximum monthly falls were between 12 and 16 inches. The average number of days with 0.01 inch or more precipitation was three in western Wyoming, six in western Colorado, two in eastern Utah, and one in western New Mexico, Arizona, and southeastern Nevada. For the district as a whole the average was three days.

MISCELLANEOUS.

The amount of sunshine was above the average. At Grand Junction it was 70, Durango 78, Flagstaff 88, Phoenix and Yuma 92 per cent of the possible.

The relative humidity was much below the normal. The values reported were: Grand Junction 55, Durango 52, Flagstaff 47, Phoenix 30, and Yuma 29 per cent.

SNOWFALL IN THE MOUNTAINS.

Western Wyoming.—The snowfall in the foothills, about 6,000 feet elevation, was below the normal, but at higher elevations material additions were made, and at the end of the month the amounts were normal or above.

Western Colorado.—The snowfall was in excess of the normal in the eastern part of Grand County, and locally in Eagle County; elsewhere, however, throughout the region drained by the Yampa, White, Grand, Gunnison, and San Juan the light snowfall was a feature of the month. The deficiency was very marked on the San Juan watershed. There was much drifting, and the snow is now generally hard packed and icy, except the recent falls. On the other hand, the ground being deeply frozen, the run-off when melting begins will be more rapid than usual, thus lessening the duration of the late flow from this source. Whether the early flow will reach the average on these watersheds will depend upon weather

conditions during March, April, and May. At the end of February the average depth on the Grand watershed, average altitude, 8,700 feet, was 33 inches, or 2 inches greater, and for the Yampa, 8,100 feet, 41 inches, or 14 inches greater than at the corresponding date last year. For the Gunnison, 8,800 feet, 25 inches, and for the San Juan and Dolores, 7,900 feet, 8 inches, there was a deficiency of 2 inches and 24 inches, respectively, as compared with a year ago.

Eastern Utah.—In the regions drained by the Green and the Colorado the amount of snow in the mountains at the end of February was less than last year and less than the average.

Western New Mexico.—The month was dry in the region drained by the tributaries of the San Juan. A great scarcity of water is indicated. Somewhat more favorable conditions are indicated for the streams rising in the south.

Arizona.—The heaviest snowfall occurred in the region drained by the Gila in the southeastern part of the State. For this watershed the average depth was 6 inches, and the depth in the mountains is above the normal and is well packed. Very little snow remains on the watersheds of the Little Colorado, Salt, and Verde, and no snow fell during February on the Aqua Fria and Hassayampa watersheds.

TABLE 1.—*Climatological data for February, 1912. District No. 9, Colorado Valley.*

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.																				
Battle Mountain	Carbon	7,300																		U. S. Forest Service.
Daniel	Uinta	6,740	13	14.6	+ 2.3	39	6	−28	29	50	1.40	+ 0.11	0.60	14.0	4	5	20	4	nw.	J. M. Van Dervort.
Eden	Sweetwater	6,577	3	18.0		41	6	−16	29	48	0.08		0.08	0.8	1	10	11	8	w.	Eden Valley Land & Irrigation Co.
Green River	do	6,083	7	23.7		51	17	− 4	29†	41	0.17		0.13	3.2	3	10	10	9	w.	Geo. H. Maxom.
Pinedale	Fremont	7,167	6	13.6		36[b]	17	−20[b]	9	45[b]	0.46		0.15	7.0	5	16[b]	8[b]	3[b]	nw.	U. S. Forest Service.
Rambler	Carbon	9,232	1																	Do.
Willow Creek Cabin	Fremont	7,500	3																	Do.
Colorado.																				
Ashcroft	Pitkin	9,483	10	14.6	− 3.9	41	7†	−12	21	48	0.96	− 0.57	0.27	17.0	12					Dan McArthur.
Breckenridge	Summit	9,536	23	12.9	− 3.3	39[b]	7	−18[b]	29	52[b]	1.20	− 1.39		13.1		3[b]	11[b]	13[b]	nw.	Mrs. J. G. Thompson.
Buford	Rio Blanca		1								1.41		0.44	16.8	9	15	6	8	w.	Mrs. H. Genier.
Cascade	San Juan	8,900	5								0.67		0.50	11.0	4	17	2	10		San Juan W. & P. Co.
Cedaredge	Delta	6,175	14	31.4	+ 1.4	52	14	9	26	34	0.27	− 0.91	0.22	6.5	2	14	10	5		Harry A. Cobbett.
Chromo	Archuleta	7,500	6	24.6		52[b]	17	− 5[b]	21	47[b]	0.30		0.20	5.5	3	21[b]	5[b]	1[b]	sw.	Lawrence Nolan.
Cochetopa	Saguache	9,088	3								0.14		0.10	1.0	2	3	10	16	sw.	Miss Bessie McDonough.
Collbran	Mesa	6,000	19	28.0	− 0.7	46	17	6	26	32	0.74	− 0.54	0.23	10.5	7	11	12	6	sw.	A. A. Wood.
Columbine	Routt	8,766	2								2.35		0.47	42.0	12	3	17	9	sw.	Mrs. M. A. Caron.
Columbine Ranch	Delta	6,925	2								0.45		0.30	4.5	2	12	12	5	s.	Geo. W. Wade.
Corona	Grand	11,660	5	5.7		21	7	−12	25	22	7.91		0.96	84.0	16				w.	U. S. Weather Bureau.
Craig	Moffat		2	17.8[c]		40[c]	9†	−15[c]	21	40[c]	0.69		0.23	7.0	4	21[c]	2[c]	3[c]		Joseph F. Haubrich.
Crawford (near)	Montrose	6,600	2	26.6		45	7†	7	22†	32	0.14		0.12	3.5	3	13	9	7		C. W. Roe.
Crested Butte	Gunnison	8,867	2	13.0		40	17	−21	21	48	1.02		0.76	13.0	3	13	9	7		Charles L. Ross.
De Beque	Mesa	4,935	2	33.8[c]		58[c]	8	10[c]	2†	43[c]	0.06		0.03	T.	2					H. M. Quigley.
Delta	Delta	4,965	22	31.4	0	57	10	5	29	48	0.10	− 0.45	0.05	1.0	2	15	10	4		E. M. Getts.
Dillon	Summit	8,800	2	15.4		42	14	−22	5	46	1.71		0.67	20.0	6	14	5	10		Harry T. Hamilton.
Durango	La Plata	6,534	17	31.9	+ 2.0	55	8	6	26	40	0.47	− 0.97	0.26	4.8	2	12	14	3	nw.	U. S. Weather Bureau.
Eureka	San Juan	10,000	5								0.94		0.19	10.0	7	15	1	13	n.	San Juan W. & P. Co.
Fraser	Grand	8,560	3	10.6		37	7†	−30	29	59	2.36		0.60	24.0	7	1	6	22	n.	L. D. C. Gaskill.
Fruita	Mesa	4,510	13	32.2	+ 0.8	55	16	11	2†	36	0.27	− 0.68	0.20	1.7	2	12	15	2	nw.	J. B. Willsea.
Glade Park	do	7,000	1								0.30		0.15	4.0	2	13	14	2	e.	A. F. Terrill.
Gladstone	San Juan	10,400	5																	San Juan W. & P. Co.
Glenwood Springs (near)	Garfield	5,823	14	25.6	− 1.5	55	8	0	1†	44	0.49	− 0.31	0.11	9.0	10	14	5	10	w.	E. A. O'Neil.
Grand Junction	Mesa	4,608	21	34.8	+ 3.3	54	16	16	3	33	0.10	− 0.54	0.07	0.9	3	9	13	7	se.	U. S. Weather Bureau.
Grandlake	Grand	8,153	4								2.03		1.05	25.0	11	13	9	7	w.	Mrs. Belle Kauffman.
Grand Valley	Garfield	5,089	20	32.8	+ 2.8	59	17	9	2†	41	0.29	− 0.73	0.09	1.0	5	8	12	9		David Evans.
Gunnison	Gunnison	7,670	19	15.2	+ 1.7	44	18	−19	1	51	0.25	− 0.50	0.16	3.0	4	17	6	6		Clarence Adams.
Hesperus (near)	La Plata	7,610									0.22		0.08	4.2	3	12	10	7		G. F. Snyder.
Horsefly	Montrose	8,700	2								0.71		0.30	20.1	4	17	6	6	w.	Lawrence J. Finch.
Ironton	Ouray	10,000	2								1.86		0.33	20.7	10	10	6	13	ne.	P. H. Foley.
Ladore	Moffat		2								0.15		0.15	4.8	1	15	9	5		Mrs. Geo. C. Bassett.
Lake City	Hinsdale	8,686	7	19.6		46	3	−13	26	45	0.79		0.22	11.9	7	11	8	10	n.	J. F. Maurer.
Lay	Moffat	6,190	18	21.6	+ 2.0	56	6	−13	26†	53	0.89	− 0.36	0.27	15.0	10	7	4	18		A. G. Wallihan.
Mancos	Montezuma	6,960	13	29.4	− 0.9	51	7	− 6	26	42	0.59	− 0.99	0.28	5.7	3	18	9	2	nw.	B. M. Krumpanitzky.
Marble	Gunnison	7,951	3	21.4		48	7	−10	21	49	0.78		0.30	14.0	12	19	6	4	ne.	F. E. Morse.
Marshall Pass	Saguache	10,846	9								3.35		0.70	31.0	8	17	0	12		Wm. L. Williams.
Meeker (near)	Rio Blanca	6,182	20	22.9	− 0.9	48	4	− 9	26	48	0.60	− 0.45		11.0	8	14	5	10		T. Baker.
Montrose	Montrose	5,811	23	33.1	+ 1.8	54	18	13	27†	37	T.	− 0.70	T.	T.	0	15	11	3		U. S. Recla. Service.
Nast	Pitkin	7,953	2	15.9		42	14	−13	20	47	0.80		0.29	20.1	5	13	8	8	w.	Arthur Hanthorn.
Pagoda	Routt	6,500	21	24.0	+ 1.5	52	1	− 4	29	49	1.43	− 0.53	1.33	12.0	2	14	0	15		Mrs. J. W. Scott.
Pagosa Springs	Archuleta	7,108	5	25.0		50	18	− 9	27	48	0.45		0.17	4.5	4	16	8	5	sw.	E. T. Walker.
Palisades	Mesa	4,729	1	34.6		55	10	17	26	32	0.12		0.12	0.5	1	17	5	7	ne.	Elmer Hiatt.
Paonia	Delta	5,694	17	32.8	+ 0.8	53	17	11	21	37	0.17	− 1.15	0.12	0.5	2	8	18	3	sw.	J. M. Underwood.
Parshall	Grand		3																	F. A. Field.
Pitkin	Gunnison	9,500	3								0.52		0.42	10.6	2	18	5	6	s.	Mrs. Maggie Cammann.
Pyramid	Rio Blanca		1	22.0		47	7	− 9	20	42	2.09		1.00	34.0	8	7	17	5	w.	E. E. Egry.
Rangely	do	5,050	13	29.5	+ 9.1	54	10	− 1	4†	42	0.50	− 0.22	0.33	6.0	2	12	5	12	e.	J. H. McGuire.
Redcliff	Eagle	8,695	19								2.68	+ 0.72	0.82	30.5	7	15	5	9		Dorothea Greiner.
Rico	Dolores	8,824	10								0.53	− 3.50	0.19	11.0	5	15	9	4	s.	Clinton B. Smith.
Rifle	Garfield	5,437		30.0		48	9†	10	3†	37	0.17		0.05	0.4	6	12	2	15	nw.	Herman Eiche.
River Portal	Montrose	6,570	6	27.4		49[a]	17	5[a]	22	37[a]	0.04		0.04	0.5	1	11[a]	4[a]	13[a]		U. S. Recla. Service.
Sapinero (near)	Gunnison	8,135	9	19.9		40	8†	− 8	22	38	0.87		0.15	10.2	12	11	10	8	w.	W. F. Irving.
Shoshone	Garfield	6,110	2	29.9		47	13	8	21	34	0.56		0.18	9.5	10	9	7	13		Central Colo. P. Co.
Silverton (near)	San Juan	9,400	5	17.8		46	6	−16	21	56	0.59		0.28	7.8	6	16	5	8	sw.	San Juan W. & P. Co.
Spruce Lodge	Grand	9,600	4								3.93		0.90	66.0	16	3	14	12	n.	H. J. Wills.
Steamboat Springs	Routt	6,683	9	17.0		46	16	−29	29	49	3.57		0.92	28.0	11	19	1	9		M. Elliot Houston.
Tacoma	La Plata	7,300	5								0.76		0.41	9.0	3	13	9	7	s.	San Juan W. & P. Co.
Telluride	San Miguel	8,756		22.2		47	7	−10	21	53	1.03		0.45	16.8	10	14	5	10	w.	Wm. T. March.
Terminal Dam	La Plata	8,300	5								0.60		0.40	12.0	2	21	2	6	n.	San Juan W. & P. Co.
Uncompahgre Plateau	Montrose	8,400	2																	Martin Esser.
Yampa (near)	Routt	8,000	3								1.17		0.33	11.9	12	6	13	10	n.	Percy A. Hughes.
Utah.																				
Aneth	San Juan	4,800	9	36.4		63	17	13	27	42	0.05		0.03	0	2	23	4	2		H. R. Antes.
Bluff	do		1																	Mrs. H. P. Raplee.
Castle Dale	Emery	5,500	13	32.3	+ 7.5	56	18	4	26	37	0.60	− 0.18	0.60		1	24	5	0		James Jeffs.
Cisco	Grand	4,447																		John J. Anderson.
Desert Lake	Emery																			H. G. Mills.
Dragon	Uinta		1	28.8		57	17	− 4	26	44	1.18		0.55		3	16	8	5	n.	Gilson Asphalt Co.
Duchesne	Wasatch		6	29.4		53	17	2	3†	47	0.52		0.23	2.9	4	8	18	3		M. M. Smith.
Elkhorn	Uinta	6,657	2								0.20		0.20	2.0	1	10	15	4		Forest Supervisor.
Emery	Emery	6,200	11	34.4	+ 4.2	61	17	5	26	48	0.70	− 0.10	0.70	7.0	1	2	2	25	n.	H. C. Wickman.
Escalante	Garfield	5,700	11	44.3		84	4	9	14	48	0.60		0.60		1	19	0	10		Geo. H. Barney.
Fisher Valley	Grand															10	3	16		R. J. Saunders.
Fort Duchesne	Uinta	5,700	22	29.6	+11.1	58	10	1	4	42	0.00	− 0.48	0.00		0	22	1	6	w.	W. H. Allen.
Fruitland	Wasatch	7,625	2	25.8		47	9†	− 1	29	41	0.53		0.20	5.8	5	8	12	9	nw-sw.	J. Peter Naab.
Green River	Emery	4,080	11	35.0	+ 0.4	65	10	9	4	43	0.40		0.25	3.5	2	16	12	1		Edgar E. Adams.
Hanksville	Wayne	4,200	2	40.8		70	26†	11	27	55	0.42		0.39	5.0	2	19	9	1	sw.	F. J. Weber.
Hite	Garfield	3,000	11	42.0	− 0.7	66	10†	22	3	38	0.34		0.23		2	11	13	5		John P. Hite.
Hurricane	Washington										0.00		0.00	0.0	0	10	12	7		Amos Workman.
Kanab	Kane	4,925	1	40.2		64	16	10	26	45	0.07		0.05	1.5	2	11	15	3		Vermeilture & Farming Assn.
La Sal	San Juan	7,000	11	29.4		51	17	3	26	32	0.85		0.85		1	9	16	4		Gertrude W. Carpenter.

TABLE 1.—*Climatological data for February, 1912. 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. 0.01 inch or more.	Sky. Number of clear days.	Number of partly cloudy days.	Number of cloudy days.	Prevailing wind direction.	Observers.
Utah—Continued.																				
Loa	Wayne	7,000	1																	W. S. McClellan.
Manila	Uinta	6,225	2	25.8		50	2	− 19	29	41	0.57		0.26	10.5	3	10	13	6	nw.	Daniel M. Nelson.
Moab	Grand	4,000	23	36.8	+ 0.5	63	18	15	3	39	0.26	− 0.39	0.13	4.0	2	12	12	5		Henry Crouse.
Monticello	San Juan	7,545	3																	Geo. F. Barton.
New Harmony	Washington										1.90		1.00	10.0	2	20	3	6		Geo. F. Price.
Orderville	Kane	6,660	2								0.06		0.04		2					F. A. Porter.
Pine Valley	Washington	6,000	1								0.90		0.90	14.0	2	11	12	6	nw.	Mason Gardner.
Price	Carbon	5,557	1	34.9		56	9	11	2	36	0.08		0.08	1.5	1	22	2	5	se.	R. H. Thompson.
Ranch	Kane	6,700	10	33.5		56	18	2	26	40	0.55		0.55		1	17	12	0	n.	J. W. Seaman.
San Rafael	Emery																			W. C. Foy.
St. George	Washington	2,880	22	43.4	+ 1.4	76	18	13	3	51	0.00	− 0.96	0.00	0.0	0	9	19	1		A. B. Ballantyne.
Scofield	Carbon	7,625	2	20.7		45	6	− 15	29	55	0.47		0.19	3.0	6	19	0	10	s.	B. Newren.
Springdale	Washington	3,500	4	42.6		69	10	15	26	49	0.10		0.10	1.0	1	23		6		Hattie Wood.
Strawberry Tunnel (east end).	Utah			16.0		36	3†	− 22	2	57	0.72		0.24	10.0	7	9	9	11	w.	U. S. Reclamation Service.
Sunnyside	Carbon	5,280	7																	H. Cullum.
Teasdale (near)	Wayne	7,000	4	26.5		54	17	− 1	26	37	1.60			16.0	2	12	10	7	w.	Henry Cullum.
Thompsons	Grand	5,150	1	33.2		55	18	14	20†	29	0.42		0.33	5.8	2	11	16	2		A. M. Starmont.
Tropic	Garfield	7,000	14	35.7	+ 5.6	59	18	10	27	38	0.30	− 0.53	0.30	3.0	1	16	9	4	nw.	E. P. Bolton.
Troutcreek Ranger	Uinta	9,200	2																	Forest Supervisor.
Vernal	do	5,050	16	29.3	+ 6.9	57	17	4	26	40	0.22	− 0.38	0.15	2.8	2	21	6	2		S. P. Trim.
White Rocks	do										0.34		0.34	2.5	1	11	16	2		Chas. De Moisy, jr.
Woodside	Emery	4,645	1	33.2		58	10	9	2	40	0.42		0.22	6.0	2	11	15	3	n.	D. P. Adams.
New Mexico.																				
Alma	Socorro	5,500	15	40.2	− 1.1	73	18	8	3	60	0.10	− 0.58	0.10	0.4	1	11	17	1	sw.	Max A. Balke.
Aragon	do	5,856	5	36.0		64	18	7	21	49	0.60		0.60	5.0	1	18	7	4	sw.	John R. Milligan.
Aztec	San Juan	5,590	12								0.22	− 0.55	0.22	4.0	1	14	13	2	sw.	Dr. T. J. West.
Berger's Ranch	McKinley	8,000		30.3		58	11†	8	26†	44	0.08		0.08	1.0	1	16	9	4	nw.	Herman Berger.
Blackrock	do	6,500	3	34.0		60	7†	7	25	49	0.09		0.05	1.7	2	11	11	7	w.	D. Blackwater.
Bloomfield	San Juan	5,500	17	31.8	− 1.4	60	18	5	21	42	0.26	− 0.47	0.26	3.5	1	15	11	3	sw.	Fred Le Clerc.
Cambray	Luna	4,215	13								0.08	− 0.49	0.08	1.0	1	7	18	4	w.	Agent Southern Pacific Ry
Cliff	Grant	4,470	12																	W. C. Belden.
Columbus	Luna	4,054	3			72	18	15	2†		T.		T.	0.2	0	22	2	5	nw.	Agent E. P. & S. W. R. R.
Deming	do	4,333	35	44.9		70	1†	18	27	49	0.48	− 0.04	0.48	2.0	1	28	0	1	w.	Agent Southern Pacific Ry.
Dulce	Rio Arriba	6,756	15																	
Fort Bayard	Grant	6,152	37	40.9	+ 0.3	63	17	13	4	38	0.85	− 0.12	0.78	9.0	2	24	4	1	w.	U. S. General Hospital.
Fruitland	San Juan	4,800	18	34.4	− 0.6	60	18	12	2†	42	0.13	− 0.53	0.08	1.5	2	20	7	2	sw.	Cyril J. Collyer.
Gage	Luna	4,486	12	42.0		70	1	11	4	50	0.25	− 0.35	0.25	2.5	1	28	0	1	w.	Agent Southern Pacific Ry.
Gila Planting Station	Grant	6,475	1	39.6		64	18	12	4†	38	0.80		0.71	10.0	2	23	5	1	w.	U. S. Forest Service.
Hachita	do	4,504	3			72	14†	19	5		0.45		0.45	5.0	1	27	1	1	nw.	Agent E. P. & S. W. R. R.
Haynes	Rio Arriba	6,600	1	29.6		62	18	2	4	40	0.45		0.45	4.5	1	23	2	4	nw.	Dr. John R. Haynes.
Hermanes	Luna	4,451	3			70	18†	20	4		0.08		0.08	1.0	1	24	3	2	w.	Agent E. P. & S. W. R. R.
Lordsburg	Grant	4,245	29	43.6	− 2.6	72	14†	8	26	59	1.15	+ 0.64	1.15	7.0	1	13	15	1	sw.	Agent Southern Pacific Ry.
Luna	Socorro	7,300	7	31.7		60	18	0	3	53	0.60		0.50	6.0	2	11	18	0	w.	Charles B. Martin.
Mimbres	Grant	5,007	7								0.54		0.54	6.0	1	19	10	0	w.	C. Dennis.
Pinos Altos (near)	do	7,253	1					− 4	25		0.86		0.85	12.0	2	16	11	2	nw.	O. L. Scott.
Pratt	do	4,415	3								0.58		0.50	4.0	2	25	4	0	e.	Agent E. P. & S. W. R. R.
Redrock	do	4,150	7								0.87		0.77	8.0	3	21	3	5		Robert H. Woods.
Rodeo	do	4,118	3			74	15†	14	5		0.30		0.30	2.0	1	20	8	1		Agent E. P. & S. W. R. R.
Silver City	do	5,860	1	39.7		65	14	10	4	42	0.70		0.70	7.0	1	27	2	0		E. M. Brumback.
Arizona.																				
Allaires Ranch	Cochise	4,184	16								0.73	− 0.11	0.68	9.5	2	24	2	3	sw.	Thos. Allaire.
Aztec	Yuma	492	14	60.2	+ 3.1	84	17†	31	4	45	0.00	− 0.70	0.00	0	0	25	2	2	w.	Agt. So. Pac. Co.
Benson	Cochise	3,523	30	48.4	− 2.0	76	7	20	2†	52	0.60	− 0.36	0.60	6.0	1	24	4	1	w.	Do.
Bisbee	do	5,500	22	45.8	− 1.1	68	14	21	26	34	1.20	− 0.20	0.68	6.0	3	21	3	5	w.	Rev. J. G. Pritchard.
Bowie	do	3,756	34	49.6	+ 2.1	77	18	21	5	46	0.70	− 0.85	0.70	0.8	1	16	13	0	se.	Agt. So. Pac. Co.
Buckeye	Maricopa	980	17	52.6	− 8.6	85	29	23	26	55	0.00	− 0.78	0.00	0	0	28	1	0	e.	H. E. Kell.
Canille	Santa Cruz	5,225	3								1.07		0.80	16.5	4	19	8	2	n.	R. A. Rodgers.
Casa Grande	Pinal	1,396	29	55.6	− 0.1	84	3	24	4	57	0.00	− 0.62	0.00	0	0	21	0	8		Agt. So. Pac. Co.
Casa Grande Ruins	do	1,422	4	53.4		82	18†	24	26	50	T.		T.	0	0	18	8	3	w.	F. Pinkley.
Cavecreek	Maricopa	1,520	5	51.8		80	6	22	27	48	0.00		0.00	0	0	22	7	0		E. A. Howard.
Chin Lee	Apache	6,090	4	33.4		64	18	6	1†	48	T.		T.	T.	0	13	8	8	n.	F. L. Ostermann, O. F. M.
Chiarsons Mill	Graham	8,000	5								0.80		0.80	8.0	1					H. R. Chiarson.
Clifton	Greenlee	3,584	23	49.4		74	14	23	5	40	0.38	− 0.87	0.38	0	1	24	2	3		P. Reisinger.
Cline	Gila	2,300	12	58.6	+ 8.3	80	18†	21	3	47	T.	− 1.79	T.	0	0	17	11	1	sw.	W. M. Clanton.
Cochise	Cochise	4,219	12	43.6	− 3.2	73	19†	− 6	27	71	1.20	± 0.00	1.20	12.0	1					Agt. So. Pac. Co.
Columbia	Yavapai	1,900	12	57.2	+ 3.7	80	8	32	24	42	0.00	− 2.15	0.00	0	0	25	4	0	se.	M. J. Nolan.
Courtland	Cochise	4,543	4								1.30		1.10	2.0	2	20	6	3	sw.	Agt. E. P. & SW. Co.
Dos Cabezos	do	5,250	4	41.4		70	14	8	26	44	0.90		0.75	11.0	2	22[a]	5[a]	1[a]	w.	N. Erickson.
Douglas	do	3,930	9	48.6		86	19	16	2	60	0.47		0.45	2.0	2	25	2	2	nw.	Dr. F. T. Wright.
Dudleyville	Pinal	2,204	20	49.6	− 1.6	78	17†	20	5	52	0.51	− 0.96	0.50	1.0	2	14	12	3	sw.	G. F. Cook.
Fairbank	Cochise	3,862	3								1.10		0.75	8.5	2	16	13	0	sw.	Agt. E. P. & SW. Co.
Flagstaff	Coconino	6,907	20	32.6	+ 1.8	58	18	3	25	47	0.02	− 3.33	0.01	0.3	2	21	4	4	nw.	U. S. Weather Bureau.
Flagstaff (1)	do	7,452	4																	C. C. Moers.
Flagstaff (2)	do	7,500	3																	U. S. Forest Service.
Florence	Pinal	1,504	13	54.7	+ 0.7	80	11†	25	23†	50	0.06	− 0.64	0.06	0	1	28	0	1	w.	Agt. Ariz. Eastern R. R. Co
Fort Apache	Navajo	5,200	41	39.0	− 0.9	69	17	5	1†	61	0.03	− 0.77	0.02	0.3	2	25	2	2	sw.	Post Surgeon, U. S. A.
Fort Huachuca	Cochise	5,100	26	42.8	− 4.4	76	17†	7	26	48	1.65	+ 0.53	0.60	8.0	4	25	0	4	s.	Do.
Gilabend	Maricopa	737	21																	Agt. So. Pac. Co.
Globe	Gila	3,525	10	49.0	+ 1.5	74	17†	23	26	43	T.	− 1.28	T.	T.	0	9	20	0	sw.	B. G. Fox, M. D.
Grand Canyon	Coconino	6,866	6	33.9		57	3†	12	10†	41	0.25		0.25	2.5	1	16	12	1	sw.	Agt. G. C. R. R. Co.
Grand Canyon (1)	do	3,676	4																	C. C. Spaulding.
Granite Reef Dam	Maricopa	1,372	20	55.8	− 0.2	80	6†	30	26	43	0.00	− 1.17	0.00	0	0	17	12	0	e.	U. S. Reclamation Service.
Hereford	Cochise	4,180	3								0.59		0.50	0	2	24	1	4	sw.	Agt. E. P. & SW. Co.
Holbrook	Navajo	5,069	23	37.6	− 1.5	72	17	5	25	55	0.05	− 0.61	0.05	0.5	1	25	0	4	sw.	T. Larson.
Indian Oasis	Pima	3,000	2								T.		T.	0	0	15	0	14	se.	J. Menager.
Intake	Gila	2,230	6								0.00		0.00	0	0	28	0	1	w.	U. S. Reclamation Service.
Jerome	Yavapai	4,743	14	49.4	+ 3.0	72	18	25	24	31	T.	− 2.04	T.	T.	0	23	5	1	s.	Dr. L. A. Hawkins.
Keans Canyon	Navajo	6,600	7	34.8		60	18	8	26	39	T.		T.	T.	0	19	9	1	w.	D. E. Livesay.
Kingman	Mohave	3,326	7	49.1		80	17	17	24	50	0.00		0.00	0	0	7	22	0	w.	E. L. Yule.
Lakeside	Navajo	6,500	16	33.5		63	18	− 7	26	49	0.41	− 2.03	0.30	4.1	2	22	0	7	sw.	Prof. J. Peterson.
Lewis Springs	Cochise	4,029	3								0.60		0.35	11.0	3	20	6	3		Agt. E. P. & SW. Co.

TABLE 1.—*Climatological data for February, 1912. 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, 0.01 inch or more.	Sky. Number of clear days.	Number of partly cloudy days.	Number of cloudy days.	Prevailing wind direction.	Observers.
Arizona—Continued.																				
Maricopa	Pinal	1,186	34	58.1	+ 1.2	83	17	25	1	55	0.00	− 0.69	0.00	0	0	29	0	0	.....	Agt. So. Pac. Co.
McNeal	Cochise	4,490	2	.....	.....	.....	.....	.....	.....	.....	0.59	.....	0.43	1.0	2	20	6	3	w.	C. E. Bolton.
Mesa	Maricopa	1,244	16	53.6	− 1.0	79	18†	26	26	45	0.00	− 0.92	0.00	0	0	24	5	0	ne.	C. L. Diehl.
Mohawk Summit	Yuma	538	12	57.0	− 3.6	86	17	26	19†	52	0.00	− 0.55	0.00	0	0	.....	.....	.....	.....	Agt. So. Pac. Co.
Naco	Cochise	4,579	3	.....	.....	.....	.....	.....	.....	.....	0.63	.....	0.33	5.0	3	21	6	2	.....	Agt. E. P. & SW. Co.
Natural Bridge	Gila	4,990	23	.....	.....	.....	.....	.....	.....	.....	T.	− 2.43	T.	T.	0	19	7	3	sw.	D. G. Goodfellow.
Oracle	Pinal	4,500	20	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	W. H. Winters.
Osborn	Cochise	4,676	3	52.2	.....	78	17	30	26	35	0.62	.....	0.50	2.0	2	24	3	2	w.	Agt. E. P. & S. W. Co.
Paradise	....do	5,436	7	40.8	.....	71	17	9	26	53	0.08	.....	0.08	1.0	1	12	15	2	sw.	J. C. Hancock.
Parker	Yuma	345	17	53.8	− 2.0	86	17†	21	2†	58	0.00	− 0.53	0.00	0	0	27	1	1	.....	M. A. Israel, M. D.
Payson	Gila	5,550	3	41.4	.....	74	1	10	26	57	0.08	.....	0.06	0.5	2	9	10	10	w.	M. McDonald.
Phoenix	Maricopa	1,108	17	56.2	+ 1.7	79	17	33	26	39	0.00	− 0.72	0.00	0	0	24	5	0	e.	U. S. Weather Bureau.
Phoenix (1)	....do	1,092	21	53.9	+ 0.3	81	17†	28	26†	49	T.	− 0.73	T.	0	0	21	5	3	w.	G. Acuff.
Phoenix (2)	....do	1,189	3	57.3	.....	82	18	30	4†	48	0.00	.....	0.00	0	0	20	9	0	sw.	Horne & Armstrong.
Pinal Ranch	Pinal	4,520	16	.....	.....	.....	.....	.....	.....	.....	0.02	− 2.91	0.02	T.	1	.....	.....	.....	.....	Irion & Craig.
Pinto	Apache	5,660	7	.....	.....	.....	.....	.....	.....	.....	0.20	.....	0.20	2.0	1	26	2	1	sw.	Mrs. C. F. Henning.
Prescott	Yavapai	5,320	46	38.8	+ 0.8	66	16	9	26	51	T.	− 1.67	T.	T.	0	24	4	1	.....	J. W. Flinn, M. D.
Quartzsite	Yuma	800	4	53.3	.....	85	17	24	26	44	0.00	.....	0.00	0	0	.....	.....	.....	nw.	W. E. Scott.
Redrock	Pinal	1,864	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	W. J. Crowell.
Roosevelt	Gila	2,175	7	53.0	.....	76	18	31	4	37	0.00	.....	0.00	0	0	15	11	3	e.	U. S. Reclamation Service
Sacaton	Pinal	1,280	4	54.8	.....	84	29	25	22	50	0.00	.....	0.00	0	0	.....	.....	.....	.....	E. W. Hudson.
St. Johns	Apache	5,650	5	36.2	.....	69	15	7	4	54	0.00	.....	0.00	0	0	14	7	8	sw.	A. Shreeve.
St. Michaels	....do	6,950	24	33.2	+ 2.1	58	6†	8	21	47	0.10	− 1.00	0.10	1.0	1	14	12	3	sw.	Rev. A. Weber, O. F. M.
Salome	Yuma	1,875	5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Mrs. M. B. Swartz.
San Carlos	Gila	2,456	30	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Miss M. A. Bingham.
San Simon	Cochise	3,609	29	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Agt. So. Pac. Co.
Seligman	Yavapai	5,219	7	39.7	.....	70	25	10	12	43	0.00	.....	0.00	0	0	.....	.....	.....	sw.	Lib. A., T. & S. F. R. R. Co
Sentinel	Maricopa	685	13	55.6	− 1.1	82	18	28	26	40	0.00	− 0.53	0.00	0	0	20	8	1	.....	Agt. So. Pac. Co.
Silverbell	Pima	2,650	7	59.0	.....	81	18	34	24	41	0.25	.....	0.25	0	1	19	9	1	nw.	Imperial Copper Co.
Snowflake	Navajo	5,644	5	36.9	.....	68	18	7	28	48	T.	.....	T.	T.	0	14	15	0	sw.	W. J. Flake.
Springerville	Apache	6,862	1	33.6[a]	.....	62[a]	6	3[a]	1	49[a]	.....	.....	.....	.....	.....	18	10	1	s.	U. S. Forest Service.
Supai	Coconino	3,200	5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	O. C. Upchurch.
Tempe	Maricopa	1,165	8	53.0	.....	80	17†	27	3†	45	0.00	.....	0.00	0	0	25	4	0	w.	F. H. Simmons.
Thatcher	Graham	2,800	9	48.4	.....	77	18†	17	3	52	0.50	.....	0.50	4.0	1	14	15	0	w.	Prof. J. H. Larson.
Tombstone	Cochise	4,550	14	48.8	− 0.3	76	7	21	24	46	1.28	+ 0.23	0.70	7.0	3	20	7	2	.....	F. N. Walcott.
Truxton	Mohave	3,997	2	.....	.....	.....	.....	.....	.....	.....	T.	.....	T.	T.	0	.....	.....	.....	s.	G. A. Dennis.
Tuba	Coconino	4,500	14	38.1	− 0.4	67	18	13	26	43	T.	− 0.54	T.	T.	0	12	15	2	sw.	H. P. Marble.
Tucson	Pima	2,390	30	51.7	− 1.6	80	6	25	26	49	0.37	− 0.54	0.35	0	2	7	19	3	nw.	University of Arizona.
Tucson (1)	....do	2,380	4	50.8	.....	80	6†	20	5†	55	0.55	.....	0.40	T.	2	23	6	0	nw.	J. M. Robe.
Tucson (2)	....do	2,526	1	50.8	.....	79	6†	22	4	51	0.46	.....	0.29	0	2	17	11	1	w.	U. S. Coast & Geod. Surv.
Vail	....do	3,421	14	42.0	.....	65	20	17	24	36	0.50	− 0.43	0.50	5.0	1	23	5	1	.....	Agt. So. Pac. Co.
Walnut Grove	Yavapai	3,649	21	.....	.....	.....	.....	.....	.....	.....	0.00	− 1.50	0.00	0	0	.....	.....	.....	.....	J. O. Carter.
Wickenburg	Maricopa	2,072	12	50.6	+ 1.8	80	6†	20	29	53	0.00	− 1.02	0.00	0	0	25	3	1	.....	Agt. S. F., P. & P. Ry.
Willcox	Cochise	4,164	31	42.0	− 3.8	72	7	14	1	52	0.90	− 0.02	0.90	9.0	1	14	0	15	s.	Agt. So. Pac. Co.
Williams	Coconino	6,750	10	34.9	+ 1.3	63	6	4	26	53	0.10	− 1.98	0.10	1.0	1	22	4	3	.....	E. J. Nordyke.
Winslow	Navajo	4,853	8	42.6	.....	83	18	12	23	54	0.00	.....	0.00	0	0	26	2	1	w.	J. F. Bauer.
Yuma	Yuma	141	32	59.9	+ 0.7	86	17	32	26	42	T.	− 0.60	T.	0	0	28	1	0	n.	U. S. Weather Bureau.
Yuma (1)	....do	150	5	55.0	.....	88	17	25	26	52	0.00	.....	0.00	0	0	23	5	1	n.	E. L. Crane.
Nevada.																				
Caliente	Lincoln	4,407	2	38.2	.....	67	16†	10	27	48	0.10	.....	0.10	1.0	1	21	7	1	ne.	Salt Lake Route.
Logan	Clark	1,700	5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	O. W. Jarvis.

[a], [b], [c], etc., indicate respectively 1, 2, 3, etc., days missing from the record.
** Temperature extremes are from observed readings of the dry bulb; means are computed from observed readings.
† Also on other dates.
T. Precipitation is less than 0.01 inch rain or melted snow.

TABLE 2.—*Daily precipitation for February, 1912. District No. 9, Colorado Valley.*

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	
Wyoming.																															
Battle Mountain	Snake																														
Daniel	Green												T.	T.			.20	.30	.60				T.					.30			1.40
Eden	do													.08																	0.08
Green River	do												.01						.03		T.		T.	.13	T.	T.			T.		0.17
Pinedale	do																.15	.07	.12									.06	.06		b 0.46
Ramble	Snake																														
Willow Creek Cabin	Green																														
Colorado.																															
Ashcroft	Grand					.23	.02		T.	.02	.02		T.			.10	.23		.27	.02	.02			T.	.01		.01		.01		0.96
Breckenridge	do			.20		T.			T.	.19	T.	.08	T.				*	*	*	*	*	*	*	*	*	*	*	*	.73		1.20
Buford	White					.15				.10	.18	.15					.12		.44	.07			.08						.12		1.41
Cascade	San Juan																.04							.13		*	.50				0.67
Cedaredge	Gunnison																							.22	.05						0.27
Chromo	San Juan												T.										.05	.20	.05						0.30
Cochetopa	Gunnison								T.								T.		.04						.10	T.					0.14
Collbran	Grand					T.				.01	.15	.23	.01						.18					.02	.14	T.			T.		0.74
Columbine	Yampa		.02			.17		.05		.21		.18	.22				.15	.47	.40					.15				.18		.15	2.35
Columbine Ranch	Gunnison			T.						T.									.30						.15						0.45
Corona ‖	Grand	.19			.28		.40			.44		.38	.08	.32			.26	.95	.90	.92	.42				.68	.40		.70	.53		7.91
Craig	Yampa					.12		.12											.23						.22						0.69
Crawford (near)	Gunnison																		.01	.01				.12							0.14
Crested Butte	do					T.		T.	T.	.05	T.	T.	T.				.21	T.	.76	T.						T.					1.02
De Beque	Grand							T.																.03	.03						0.06
Delta	Gunnison																							.05	.05						0.10
Dillon	Grand			T.			.28		T.		T.		.26			.20	T.	.20	.67										.10		1.71
Durango	San Juan												T.				T.		T.					.21	.26						0.47
Eureka	do									.09							.18	.11	.19	.10					.19	.08					0.94
Fraser ‖	Grand		T.	T.		.10			.04		T.	T.	T.		T.	.12	.40	.60	.60				T.			T.		.50			2.36
Fruita	do					T.							T.						T.	T.				.07		.20					0.27
Glade Park	do																							.15	.15						0.30
Gladstone	San Juan																														
Glenwood Springs (n'r)	Grand					*	.03				T.	.04	.03				.10	.11	.10	.04				.02	.02						0.49
Grand Junction	do																	T.	.01	T.				.02	.07						0.10
Grandlake	do			T.	T.	T.					T.						.40	.20	1.05	T.	T.							T.	.38		2.03
Grand Valley	do					T.	.01				T.	.05							.04					.09	.06				T.		0.24
Gunnison	Gunnison										T.	T.	T.				.07		.16	T.						.01				.01	0.25
Hesperus	La Plata												T.				T.							.06	.03	.06					0.22
Horsefly	Gunnison					T.			T.		T.		.27				T.		T.	T.	.06			T.	.06	.30					0.71
Ironton	do						T.			.02	.15	T.	.32			.25	.10	*	.33	.20	.20				T.	.24	T.				1.86
Ladore	Yampa								T.										T.	T.				.15				T.			0.15
Lake City	Gunnison									.09	T.		.03			T.	.10	T.	.22	.03					.10	.22					0.79
Lay	Yampa				.15				.07		.03	T.	.05				T.	T.	.27	.05				.15	.02			.05	.05		0.89
Mancos	San Juan										T.								T.					.06	.28	.25					0.59
Marble	Grand					*	.04			*	.05	.04			.04	.17		.30						*	.07			*	.07		0.78
Marshall Pass	Gunnison						.22				.21							.70	.68	.32						.28		.32	.62		3.35
Meeker (near)	White					T.							.16				*	*	*	.25				*	.15			T.	.04		0.60
Montrose	Gunnison												T.							T.				T.	T.						T.
Nast	Grand					.12			T.		T.		.04			T.	.18		.17	T.				T.	T.			T.	.29		0.80
Pagoda	Yampa							.10												1.33			T.		T.						1.43
Pagosa Springs	San Juan												.05											.17	.16	T.	.07				0.45
Palisades	Grand																								.12						0.12
Paonia	Gunnison									T.			T.						.12					.05							0.17
Parshall	Grand																														
Pitkin	Gunnison																.10		.42	T.									T.		0.52
Pyramid	Yampa					.33				.05	.05		.33					1.00	.13					.13					.67		2.69
Rangely	White												.33												.17						0.50
Redcliff	Grand			T.		.16						.17					.36	.82	.45	.34	T.			T.				T.	.38	T.	2.68
Rico	Dolores										.07										.12	.07						.08	.19	T.	0.53
Rifle	Grand					.03					T.	T.	.02				.01		.05					.03	.03						0.17
River Portal	Gunnison										T.		T.							T.					.04	T.					0.04
Sapinero (near)	do					T.	T.			.07	.05		.08			.02	.09		.15	.14				.08	.02	.06	.06		.05		0.87
Shoshone	Grand					.03			T.	T.	.03	.04	.06				.06	T.	.18		.03			.04	.03				.03		0.55
Silverton (near)	San Juan									.09	.04						.03	T.	.07	.08					.28						0.59
Spruce Lodge	Grand			.18		.19	.16			.37	.10	.16	.12			.18	.18	.32	.90	.45	.12			.11			.15		.24		3.93
Steamboat Springs	Yampa					*	*	*	.42		*	.13					.92	.60	.43	.23								.84			3.57
Tacoma	San Juan																							.10	.25	.41					0.76
Telluride	San Miguel						T.			.05	.04		.07			.06	.07		.07	.03	.10				.09	.45	T.				1.03
Terminal Dam	San Juan																								.40	.20					0.60
Uncompahgre Plateau	Gunnison																														
Yampa (near)	Yampa					.17			*	.10	*	.06	.09				.07	.10	.33	.02					T.			*	.23		1.17
Utah.																															
Aneth	San Juan																						.02	.03							0.05
Bluff	do																														
Castle Dale	Green																								.60	T.					0.60
Cisco	Grand																														
Desert Lake	Green																														
Dragon	do																		T.					.55	.10	.53					1.18
Duchesne	do																T.		.23					.07	.07	.15					0.52
Elkhorn	do																							.20							0.20
Emery	Colorado																								.70						0.70
Escalante	do																			.60											0.60
Fisher Valley	do																														
Fort Duchesne	Green																														0.00
Fruitland	do								T.		T.					T.	T.	.20	.02			T.		.12	.05	.14					0.53
Green River	do																							.25	.15	T.					0.40
Hanksville	Colorado																							.39	.03						0.42
Hite	do																							.11	.23						0.34
Hurricane	Virgin																														0.00
Kanab	Colorado																								.05	.02					0.07
La Sal	Grand										T.		T.		T.		T.		T.	T.				.85	T.	T.					0.85
Loa	Colorado																														
Manila	Green					T.										T.	T.		.26			T.		.15	.16						0.57
Moab	Grand																							T.	.13	.13					0.26
Monticello	San Juan																														
New Harmony	Colorado																							1.00	.90						1.90
Orderville	do																							.04	.02						0.06
Pine Valley	do																							*	.90	T.					0.90
Price	Green																						.08								0.08

TABLE 2.—*Daily precipitation for February, 1912. District No. 9*—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	
Utah—Continued.																															
Ranch	Colorado																							.55							0.55
San Rafael	Green																														
St. George	Colorado																														0.00
Scofield	Green																.05	.03	.07					.19	.08	.05					0.47
Springdale	Colorado	*																					.10								0.10
Strawberry tunnel (east end).	Green								T.	T.			.10				.09		.24	.03		.03		.15	.01						0.65
Teasdale (near)	Colorado										T.					T.						T.	*	*	1.60						1.60
Thompsons	Green																							.33	T.	.09					0.42
Tropic	Colorado																			T.			T.	T.		.30					0.30
Troutcreek Ranger	Green																														
Vernal	do																		T.					.15	.07						0.22
Whiterocks	do																		T.					.34		T.					0.34
Woodside	do																							.22	.20						0.42
New Mexico.																															
Alma	Gila																								.10	T.					0.10
Aragon	do																								.60						0.60
Aztec	San Juan																							T.	T.	.22					0.22
Berger's Ranch	Little Colorado												T.							T.					.08	T.					0.08
Blackrock	do																							.04		.05					0.09
Bloomfield	San Juan																							T.	.26	T.					0.26
Cambray	Mimbres																								.08						0.08
Cliff	Gila																														
Columbus	do												T.												T.						T.
Deming	Mimbres																								.48						0.48
Dulce	San Juan																														
Fort Bayard	Mimbres																								.78	.07					0.85
Fruitland	San Juan																						T.	.08	.05						0.13
Gage	Mimbres																								.25						0.25
Gila Planting Station	do												T.												.71	.09					0.80
Hachita	Gila												T.												.45						0.45
Haynes	San Juan																							T.		.45					0.45
Hermanes	Gila																								.08						0.08
Lordsburg	do																								1.15						1.15
Luna	do																						T.		.50	.10					0.60
Mimbres	Mimbres																								.54						0.54
Pinos Altos (near)	Gila																								.85	.01					0.86
Pratt	do												.08												.50						0.58
Redrock	do												.06												.77	.04					0.87
Rodeo	do																								.30						0.30
Silver City	Mimbres																								.70	T.					0.70
Arizona.																															
Allaires Ranch	Sonora											.05												.68	T.	T.					0.73
Alpine	Gila																														
Aztec	do																														0.00
Benson	San Pedro																								.60	T.					0.60
Bisbee	do												.50												.68	.02					1.20
Bowie	Gila																								.70						0.70
Buckeye	do																														0.00
Canille	San Pedro											.05													.80	.16	.06				1.07
Casa Grande	Gila																														0.00
Casa Grande Ruins	do												T.																		T.
Cavecreek	Verde																														0.00
Chin Lee	San Juan												T.												T.	T.					T.
Chiarsons Mill	Gila																							.80							0.80
Clifton	do																								.38						0.38
Cline	Salt																					T.									T.
Cochise	Desert																											1.20			1.20
Columbia	Agua Fria																														0.00
Courtland	White											1.10													.20	T.					1.30
Dos Cabezos	Desert												.15												.75						0.90
Douglas	Sonora																								.45	.02					0.47
Dudleyville	Gila											T.	T.									T.		.01	.50						0.51
Fairbank	San Pedro												.35												.75						1.10
Flagstaff	Little Colorado																							.01	.01	T.					0.02
Flagstaff (1)	do																														
Flagstaff (2)	do																														
Florence	Gila											.06																			0.06
Fort Apache	Salt																								.02	T.	.01				0.03
Fort Huachuca	San Pedro												.60												.60	.20	.25				1.65
Gilabend	Gila																														
Globe	Salt																								T.						T.
Grand Canyon	Colorado																								.25						0.25
Grand Canyon (1)	do																														
Granite Reef Dam	Salt																														0.00
Hereford	Gila																								.50	.09					0.59
Holbrook	Little Colorado																							.05							0.05
Indian Oasis	Desert																														
Intake	Salt																														0.00
Jerome	Verde																									T.					T.
Keams Canyon	Little Colorado																									T.	T.				T.
Kingman	Colorado																														0.00
Lakeside	Little Colorado											T.												.11		.30					0.41
Lewis Springs	San Pedro												.10												.35	.15					0.60
Maricopa	Gila																														0.00
McNeal	Desert												.16												.43						0.59
Mesa	Salt																														0.00
Mohawk Summit	Gila																														0.00
Naco	San Pedro												.20												.33	.10					0.63
Natural Bridge	Verde																									T.					T.
Oracle	San Pedro																														
Osborn	do												.12												.50						0.62
Paradise	Desert												T.												.08	T.					0.08
Parker	Colorado																														0.00
Payson	Verde																								.06	.02					0.08
Phoenix	Salt																														0.00
Phoenix (1)	do																								T.						T.
Phoenix (2)	do																														0.00

TABLE 2.—*Daily precipitation for February, 1912. District No. 9*—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	
Arizona—Continued.																															
Pinal Ranch	Gila																								.02						0.02
Pinto	Little Colorado																								.20						0.20
Prescott	Hassayampa																									T.					T.
Quartzsite	Colorado																														0.00
Redrock	Santa Cruz																														
Roosevelt	Salt																														0.00
Sacaton	Gila																														0.00
St. Johns	Little Colorado																														0.00
St. Michaels	do																								.10						0.10
Salome	Colorado																														
San Carlos	Gila																														
San Simon	do																														
Seligman	Verde																														0.00
Sentinel	Gila																														0.00
Silverbell	Santa Cruz																								.25						0.25
Snowflake	Little Colorado																									T.					T.
Springerville	do																														
Supai	Colorado																														
Tempe	Salt																														0.00
Thatcher	Gila																								.50						0.50
Tombstone	San Pedro												.48												.70	.10					1.28
Truxton	Colorado																							T.							T.
Tuba	Little Colorado																				T.										T.
Tucson	Santa Cruz																								.35	.02					0.37
Tucson (1)	do												.15												.40	T.					0.55
Tucson (2)	do												.17												.29						0.46
Vail	do																							.50							0.50
Walnut Grove	Hassayampa																														0.00
Wickenburg	do																														0.00
Willcox	Desert																								.90						0.90
Williams	Colorado																									.10					0.10
Winslow	Little Colorado																														0.00
Yuma	Colorado																							T.							T.
Yuma (1)	do																														0.00
Nevada.																															
Caliente	Colorado																							.10							0.10
Logan	do																														

* Precipitation included in that of the next measurement.
‡ Separate dates of falls not recorded.
‖ Precipitation for the 24 hours ending on the morning when it is measured.
T. Precipitation is less than 0.01 inch rain or melted snow.

TABLE 3.—*Maximum and minimum temperatures at selected stations for February, 1912. District No. 9, Colorado Valley.*

Date.	Wyoming.				Colorado.										Utah.										New Mexico.			
	Daniel.		Green River.		Durango.		Grand Junction.		Gunnison.		Meeker.		Steamboat Springs.		Emery.		Fort Duchesne.		Hite.		Moab.		St. George.		Bloomfield.		Fort Bayard.	
	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....	30	− 3	43	4	48	11	47	21	25	−19	37	2	20	−17	45	14	42	12	53	25	48	17	65	19	47	6	52	22
2....	34	7	41	6	50	12	44	18	34	−17	40	5	34	− 4	55	16	43	3	53	24	48	16	62	15	48	9	60	25
3....	31	6	44	8	50	12	49	16	38	−11	35	2	33	13	58	17	44	2	55	23	49	15	64	13	52	10	62	26
4....	29	0	31	− 4	47	12	44	22	27	−14	48	2	20	−20	52	13	34	1	53	28	46	16	59	16	47	8	51	13
5....	33	3	32	3	50	16	43	20	36	− 9	29	6	22	−14	53	20	37	3	55	28	50	17	63	20	53	12	57	23
6....	39	− 7	42	6	51	17	50	23	26	−11	38	− 1	29	−12	55	21	44	5	58	28	52	19	69	25	52	16	53	32
7....	36	1	48	7	49	21	46	26	30	−11	45	8	36	0	50	22	45	15	60	29	50	23	66	31	52	14	62	29
8....	36	3	47	14	55	25	47	20	37	− 9	43	9	34	− 1	53	25	49	11	60	29	58	19	66	21	54	14	56	26
9....	35	7	41	15	53	23	52	24	39	9	47	12	42	25	51	20	49	12	63	30	59	22	69	23	55	25	59	31
10....	38	11	44	21	52	27	53	30	40	12	42	27	42	25	52	21	58	25	66	37	61	27	72	26	56	19	60	34
11....	32	7	48	12	50	21	50	31	37	9	43	23	42	22	55	25	51	21	63	30	62	24	65	26	55	15	57	32
12....	30	7	45	13	49	27	48	28	35	8	38	19	39	5	56	26	50	19	58	30	54	25	64	29	53	17	57	33
13....	26	−10	37	5	48	16	50	25	30	− 7	27	0	34	− 8	55	28	47	10	60	30	54	21	65	23	51	9	57	25
14....	29	−10	45	6	49	21	52	25	32	− 3	43	9	34	−10	56	29	45	11	48	29	52	21	70	25	56	14	61	27
15....	32	3	41	7	49	22	53	28	37	− 4	41	14	39	18	55	22	51	13	63	30	57	21	67	27	55	15	59	35
16....	35	5	43	8	49	18	54	27	35	3	43	17	46	12	56	24	46	20	66	28	60	27	74	26	52	16	62	26
17....	34	8	45	20	55	21	54	25	36	5	42	15	36	12	61	22	50	24	50	30	62	25	73	28	55	16	63	32
18....	32	7	51	22	53	24	52	28	44	25	45	10	36	25	60	17	56	15	50	33	63	27	76	26	60	19	61	32
19....	22	2	38	11	40	22	41	27	32	19	29	9	27	− 1	59	11	51	11	51	34	53	25	59	29	44	15	54	25
20....	26	− 8	35	9	39	13	42	22	30	− 3	31	− 7	29	−14	55	12	42	7	53	33	50	23	57	25	44	16	45	14
21....	25	− 6	34	8	43	9	42	21	29	−16	21	− 7	21	−15	53	11	49	12	55	27	48	21	59	17	42	5	59	39
22....	32	− 6	29	4	44	13	45	19	34	−17	35	− 2	25	−15	42	10	45	15	54	30	50	17	59	24	46	8	50	28
23....	32	− 1	33	5	31	18	39	30	31	− 6	37	23	35	10	41	11	42	21	48	35	38	33	48	38	41	12	50	21
24....	28	−10	23	15	31	20	34	26	30	7	35	12	30	20	42	13	43	22	40	29	39	26	56	30	40	15	46	28
25....	22	−17	29	13	36	15	38	25	33	−14	33	23	28	18	41	11	44	20	44	29	40	30	53	19	38	17	33	17
26....	26	− 6	29	5	39	6	38	17	28	− 6	31	− 9	32	1	38	5	44	21	50	25	44	19	56	14	41	15	43	16
27....	29	12	33	10	44	9	43	19	29	4	39	15	32	12	41	18	45	22	57	24	52	19	63	18	50	14	53	20
28....	21	−10	35	2	47	18	42	20	36	−11	29	10	28	1	42	20	45	5	58	28	50	21	65	19	52	14	59	31
29....	22	−28	28	− 4	50	10	46	21	30	−15	42	− 6	20	−29	41	21	45	3	53	27	52	18	66	15	52	14	55	34
Mns..	30.2	−1.3	38.4	9.0	46.6	17.2	46.1	23.6	33.1	−2.6	37.5	8.3	31.9	2.0	50.8	18.1	46.1	13.1	55.1	29.0	51.8	21.9	63.8	23.0	49.8	13.8	55.0	26.8

Date.	Arizona.																				Logan, Nevada.	
	Bisbee.		Flagstaff.		Fort Apache.		Grand Canyon.		Parker.		Phoenix.		Prescott.		St. Michaels.		Tucson.		Yuma.			
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.
1	59	34	48	16	66	5	52	17	80	26	74	41	60	13	52	10	74	29	78	48	.....	.....
2	61	31	57	11	66	5	55	19	78	21	75	39	60	13	50	11	72	29	76	48	.....	.....
3	62	33	58	11	66	6	57	18	77	21	73	36	63	12	56	9	73	28	77	45	.....	.....
4	57	29	57	10	65	14	54	16	78	23	72	34	62	15	53	10	74	27	77	42	.....	.....
5	66	32	57	17	68	14	52	14	81	23	72	38	65	20	55	17	74	28	79	41	.....	.....
6	63	39	53	21	66	16	54	14	78	24	79	40	65	24	58	17	80	31	77	44	.....	.....
7	66	34	52	20	66	20	53	13	78	24	72	50	58	29	58	21	78	42	72	40	.....	.....
8	56	41	52	17	60	16	54	13	79	29	69	42	59	17	50	20	67	30	76	43	.....	.....
9	60	38	57	24	66	18	55	14	81	32	73	40	62	23	53	35	72	29	81	40	.....	.....
10	60	39	55	21	61	17	55	12	79	35	75	41	61	24	58	32	73	34	79	43	.....	.....
11	62	38	51	18	59	19	48	20	80	45	76	46	60	25	53	20	76	38	78	45	.....	.....
12	54	33	50	15	61	24	51	20	77	29	72	47	60	21	52	19	70	42	78	53	.....	.....
13	60	34	58	17	62	17	52	19	79	33	75	42	65	21	57	12	74	33	81	45	.....	.....
14	68	37	50	20	58	20	50	19	77	38	74	41	60	24	55	11	78	35	80	44	.....	.....
15	57	37	51	21	62	20	54	20	77	33	74	39	63	23	54	11	68	34	77	50	.....	.....
16	61	34	55	18	68	18	53	18	82	34	74	38	66	21	56	27	71	30	83	48	.....	.....
17	66	40	58	21	69	20	56	15	86	36	79	42	63	25	54	20	77	34	86	45	.....	.....
18	67	38	58	21	68	24	57	17	86	37	79	46	64	32	53	19	80	38	85	52	.....	.....
19	66	43	45	20	48	29	52	14	76	40	79	45	60	27	58	22	75	38	82	51	.....	.....
20	56	29	38	14	50	21	47	12	70	25	64	40	48	16	38	20	62	37	68	46	.....	.....
21	58	26	38	10	60	17	49	15	66	30	61	35	46	16	44	8	64	26	69	35	.....	.....
22	50	29	44	18	55	19	50	18	73	32	71	37	51	15	38	13	66	26	72	48	.....	.....
23	51	30	37	16	44	20	50	16	72	32	68	42	49	25	40	19	66	30	74	34	.....	.....
24	44	27	32	8	45	19	46	13	72	30	58	40	40	10	34	13	53	33	63	43	.....	.....
25	35	25	33	3	50	20	48	15	70	29	61	37	41	13	34	8	54	38	64	37	.....	.....
26	43	21	42	3	62	10	50	16	71	23	64	33	49	9	39	11	61	25	68	32	.....	.....
27	54	27	52	9	65	12	49	17	75	22	69	33	59	13	49	9	68	28	72	34	.....	.....
28	61	38	51	18	65	18	48	15	85	30	77	44	60	21	56	11	71	36	81	39	.....	.....
29	64	42	53	14	.....	22	50	16	82	32	79	42	63	22	56	10	79	39	81	41	.....	.....
Means	57.8	33.7	49.7	15.6	60.7	17.2	51.8	16.0	77.6	29.9	72.0	40.3	58.0	19.6	50.4	16.0	70.7	32.7	76.3	43.3	.....	.....

[a], [b], [c], etc., indicate respectively 1, 2, 3, etc., days missing from the record.
§ 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.