Climatological Data for June, 1910.

DISTRICT No. 9, COLORADO VALLEY,

FREDERICK H. BRANDENBURG, District Editor.

GENERAL SUMMARY.

Low pressure and a practically stagnant atmosphere exerted the controlling influence on the weather conditions of the month, and the hot, dry weather, characteristic of June, prevailed scarcely without interruption. Except in a few localities, temperatures were above the normal during the first 12 days, with marked excesses throughout the district, and in Arizona again on the 10th and 11th. During the remainder of the month the weather was somewhat cooler in the southern half, and in general it was warmer than normal in the northern half of the district, except during the last 3 days, which were relatively cool throughout the district. While scattering showers fell near the beginning of the month, the amounts and areas covered were too small to be of practical benefit to the ranges or to increase the discharge of the smaller streams, the flow from which had become inadequate for the needs of irrigation. Range grass remained very short and stock was suffering from the effects of the prolonged dry period. The drought, however, was somewhat relieved in most localities near the close of the month.

TEMPERATURE.

The mean temperature of the 125 stations reporting was 70.7°, or 0.9° above the normal. By subdivisions the means and departures were: Western Wyoming, 59.1°, +5.6°; western Colorado, 60.5°, +2.3°; eastern Utah, 66.8°, +3.5°; western New Mexico, 70.8°, +0.8°; Arizona, 78.5°, −0.3°. The highest monthly mean was 93.0° at Mohawk Summit, Ariz.; the lowest, 49.2°, at Fraser, Colo. The extremes were: 120° at Gila Bend and Mohawk Summit, Ariz., on the 10th, and 20° at Silverton, Colo., on the 22d. In western Wyoming the maximum reached 95°; in the valleys of western Colorado, 98°; and in eastern Utah, western New Mexico, southeastern Nevada, and Arizona readings considerably above 100° were noted at many stations.

PRECIPITATION.

The average precipitation for the 170 stations reporting was 0.56 inch, or 0.06 inch above the normal. By watersheds the means and departures were: Green, 0.46, −0.32; Grand, 0.58, −0.20; San Juan, 0.69, +0.01; Little Colorado, 0.53, +0.12; Gila, 0.52, +0.13; Mimbres, 0.99, +0.46; Colorado, proper, 0.51, +0.31. The greatest monthly amount was 4.00 inches at Baker, Utah, while none fell at 7 stations in Arizona and 2 in Nevada. On an average there were 2 days with 0.01 inch or more of precipitation.

Heavy showers over a small area in Paradise Valley, 18 miles north of Phoenix, during the afternoon and evening of June 27, caused the washing out of the large Arizona canal in 21 places in the distance of 1 mile, and caused a rise in the Salt River at Tempe of several feet. Some of the low lands in Paradise Valley, adjacent to Salt River, were badly eroded.

MISCELLANEOUS.

The amount of sunshine was extraordinary: Durango reported 88 per cent of the possible; Grand Junction, 89 per cent; Flagstaff, 92 per cent; Phoenix, 96 per cent; and Yuma, 99 per cent. The relative humidity was 40 per cent or lower.

There were a number of high winds and sandstorms, but the damage was not great.

THE WATER-POWER RESOURCES OF COLORADO, WITH SPECIAL REFERENCE TO STREAM FLOW.

By W. B. FREEMAN, District Engineer, U. S. Geological Survey.

For an intelligent discussion of the conservation of the water resources of Colorado it is quite important to know the amount and value of these resources. In this paper I will attempt to show first the total run-off or flow of our streams and rivers, and, secondly, the amount of water power which it will be possible to derive from them. The State has been divided into the following drainage basins, which include the streams named and their tributaries in Colorado: The Arkansas River; the South Platte River; the North Platte (Republican); the Rio Grande; the Green River, which embraces the White; the Grand River, including the Dolores and Gunnison; and the San Juan River.

RUN-OFF OF COLORADO STREAMS.

Records of stream flow, extending over periods of from 1 to 20 years, have been obtained on some of the streams in each of the drainage basins outlined above, from which it is impossible to make estimates of the total flow. Some time ago I made a study of this total run-off, with a view to determining the amount of run-off water which actually reached our streams. In this study I made the assumption that natural conditions existed; that is, the conditions which obtained before the settlement of the country and the construction of irrigation and other hydraulic work. Neglecting possible changes which may have been made in the average rate of run-off by cultivation, grazing, and deforestation, the average run-off should be the same now as it was at that time. These figures do not exactly represent the amount of water which would actually leave the State if no water were used, because no allowance has been made for evaporation and other losses. In a great many cases they are very approximate because of the inadequacy of stream measurements. I think, however, they are of considerable value as showing the relative size of our stream systems.

TABLE 1.—*Estimated mean annual run-off of rivers in Colorado.*

Stream system.	Annual run-off.
	Acre-feet.
Arkansas River and tributaries in Colorado	1,600,000
Cimarron River and tributaries in southeastern Colorado	10,000
Grand River, including Dolores-Gunnison, in Colorado	6,500,000
Green River drainage in Colorado	2,000,000
North Platte River and tributaries in Colorado	600,000
Republican River and tributaries in Colorado	30,000
Rio Grande River and tributaries in Colorado	1,100,000
San Juan River and tributaries in Colorado	2,400,000
South Platte River and tributaries in Colorado	1,400,000
Total in Colorado	15,640,000

It will be noted that of this total average of 15,640,000 acre-feet per annum, the eastern slope, with a drainage area of 65,000 square miles, or 63 per cent of the total area of the State, yields but 4,750,000 acre-feet, or 30 per cent of the total; while the western slope, with an area of 38,700 square miles, yields 10,900,000 acre-feet, or 70 per cent of the total. The average rate of run-off for the State is 150 acre-feet per square mile per annum, equivalent to a depth of 3 inches over the entire surface. The rate for the western slope is 280 acre-feet per square mile per annum, equivalent to a depth of 5⅓ inches; and for the eastern slope it is 73 acre-feet per square mile per annum, or a little over 1⅓ inch. This large difference between the rates of run-off on the two sides of the Continental Divide is easily accounted for when it is considered that there is very little area on the western slope below an elevation of 6,000 feet, and a great deal of it is between 10,000 and 14,000 feet high, while fully one-half the eastern drainage area is at an elevation of 5,000 feet or less. Moreover, in the high mountains the run-off is usually greater for the western than for the eastern slope.

There is a very large drainage area in eastern Colorado which is practically nonproductive as to run-off, so that the average depth of run-off over the area on the eastern side of the mountains is probably more nearly 2 inches for the portion which is

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

Stations.	Counties.	Elevation, feet.	Length of record, yrs.	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.																				
Daniel	Uinta	6,740	11	54.8	+ 4.9	85	27	25	3†	53	0.15	− 0.94	0.15	0.0	1	20	9	1	nw.	J. M. Van Dervort.
Dixon	Carbon																			Chas. Spillman.
Eden	Sweetwater	6,577	2	59.8		88	20†	26	4	50	0.16		0.10	0.0	3	12	15	3	w.	Eden Valley L. and I. Co.
Green River	...do	6,083	5	65.4	+ 6.2	95	27	32	4†	46	0.01		0.01	0.0	1	20	6	4	w.	Geo. H. Maxon.
Kendall	Fremont	7,630																		Art. Doyle.
Pinedale	...do	7,167	4	56.4		88	27	21	22	63	0.03		0.02	0.0	2	19	10	1	nw.	U. S. Forest Service.
Rambler	Carbon	9,232									1.02		0.62	0.0	3	16	12	2	w.	J. C. Fothergill.
Colorado.																				
Ashcroft	Pitkin	9,483	8	53.8[c]		79[c]	12†	26[c]	10	47[c]				0.0						Dan McArthur.
Breckenridge	Summit	9,536	20	51.0	+ 2.8	77	20	24	10	49	0.36	− 0.70	0.20	0.0	3	0	29	1	nw.	Mrs. J. G. Thompson.
Cascade§	San Juan	8,900	4								1.08		0.72	0.0	6	21	5	4	e.	San Juan P. and W. Co.
Chromo	Archuleta	7,500	4	58.9		87[a]	19	27[a]	9	57[a]	0.36		0.30	0.0	4				sw.	Lawrence Nolan.
Cochetopa	Saguache	9,088									0.50		0.36	0.0	4	12	15	3	w.	Bessie McDonough.
Collbran	Mesa	6,000	17	65.0		87	19	42	9	37	0.08	− 0.53	0.08	0.0	1	22	7	1	sw.	A. A. Wood.
Columbine	Routt	8,766																		Mrs. M. A. Caron.
Columbine Ranch	Delta	6,925									0.03		0.03	0.0	1	20	5	5	s.	Geo. W. Wade.
Corona	Grand	11,660	3																	U. S. Weather Bureau.
Crawford (near)	Montrose	6,600		66.3		85	12†	43	30	34	0.14		0.11	0.0	2	25	4	1		C. W. Roe.
Crested Butte	Gunnison	8,867		51.5		78	11†	26	7†	51	0.93		0.50	0.0	3	15	11	4	w.	Charles L. Ross.
De Beque	Mesa	4,935																		C. M. Paine.
Delta	Delta	4,965	19	70.0	+ 2.1	97	19	40	10	52	0.04	− 0.28	0.03	0.0	2	24	2	4		E. M. Getts.
Dillon	Summit	8,800	1			81	20†				0.50		0.30	0.0	2	18	10	2	n.	Harry T. Hamilton.
Dolores	Montezuma	6,500	1																	Geo. R. Simmons, jr.
Durango	La Plata	6,534	17	63.6	+ 1.5	88	12	39	17	44	0.72	+ 0.07	0.64	0.0	3	15	14	1	nw.	U. S. Weather Bureau.
Eagle	Eagle	6,598	5																	J. M. Witteman.
Eureka§	San Juan	10,000	3								0.85		0.45	T.	5					San Juan P. & W. Co.
Fraser	Grand			49.2		75	19†	23	9†	50	0.90		0.40	0.0	5	12	9	9	w.	L. D. C. Gaskill.
Fruita	Mesa	4,510	11	70.6	+ 2.1	98	20	42	6	50	0.84	+ 0.59	0.81	0.0	2	21	7	2	sw.	J. B. Willsea.
Gladstone §	San Juan	10,400	3																	San Juan P. & W. Co.
Glenwood Springs (near)	Garfield	5,823	12	64.8	+ 3.6	91	23†	36	11	52	0.27	− 0.41	0.27	0.0	1	29	1	0	w.	E. A. O'Neil.
Grand Junction	Mesa	4,608	19	75.4	+ 3.8	98	19	51	10	39	0.25	− 0.09	0.24	0.0	2	22	6	2	nw.	U. S. Weather Bureau.
Grandlake	Grand	8,153	2								1.23		0.40	0.0	6					Mrs. Belle Kauffman.
Grand Valley	Garfield	5,089	18	69.0	+ 2.9	96	3	39	7†	51	0.33	− 0.25	0.33	0.0	1					David Evans.
Gunnison	Gunnison	7,670	17	56.5	+ 1.6	90	20	25	16	55	0.27	− 0.32	0.15	0.0	3	16	12	2	sw.	Clarence Adams.
Hayden	Routt	6,337	1																	C. W. Harkness.
Hesperus	La Plata	8,870	11																	John S. Spear.
Horsefly	Montrose	8,700									0.41		0.21	0.0	3	15	12	3	sw.	L. J. Finch.
Ironton	Ouray	10,000									0.70		0.33	0.0	6	6	21	3	sw.	P. H. Foley.
Kremmling (near)	Grand	7,337	2	57.2		85	27	31	10	49	1.18		0.40	0.0	5	15	12	10		H. A. Howe.
Lake City	Hinsdale	8,686	5	58.1		82	19	33	10†	45	0.43		0.28	0.0	4	14	15	1	s.	J. F. Maurer.
Lay	Routt	6,190	16	61.5	+ 2.3	92	19	24	9	56	0.20	− 0.39	0.16	0.0	2	16	8	6	sw.	A. G. Wallihan.
Leal	Grand	8,750									0.07		0.03	0.0	4	17	13	0		L. J. Wade.
Lujane	Montrose	6,620	4	68.4		90	1†	46	10†	39	0.11		0.10	0.0	2	20	7	3	sw.	U. S. Reclamation Service.
Mancos	Montezuma	6,960	11	62.6	+ 2.5	87	19	35	10	48	0.96	+ 0.17	0.96	0.0	1	20	8	2	sw.	B. M. Krumpanitzky.
Marble	Gunnison	7,951	1	56.9		84	19	28	10	47	0.83		0.30	0.0	4	16	12	2	se.	Homer Harrington.
Marshall Pass	Saguache	10,846	7								T.		T.	T.	0	19	11	0	w.	William D. Lillard.
Meeker	Rio Blanco	6,182	18	58.6	+ 0.8	89[b]	19	30[b]	8†	59[b]	0.60	− 0.43	0.37	0.0	3	14	15	1	sw.	T. Baker.
Montrose (near)	Montrose	5,811	21	63.4	− 0.3	90	13	37	10	48	0.21	− 0.11	0.20	0.0	2	26	4	0		R. Butterfield.
Nast	Pitkin	7,953		56.9		80	22	36	10	40	0.87		0.51	0.0	2	19	10	1	w.	Arthur Hanthorn.
Pagoda	Routt	6,500	19	58.7	+ 1.5	88	19	28	9	52	0.40	− 0.58	0.16	0.0	3	28	1	1		Shaw Brothers.
Pagosa Springs	Archuleta	7,108	3	58.2		87	12†	27	23	57	1.02		0.75	0.0	3	16	13	1	sw.	E. T. Walker.
Paonia	Delta	5,694	15	68.5		93	19	45	7	41	0.05	− 0.37	0.05	0.0	1	19	9	2	sw.	J. M. Underwood.
Parshall	Grand		1								0.25		0.20	0.0	2					F. A. Field.
Pitkin	Gunnison	9,500	1								0.75		0.54	0.0	3	24	5	1	s.	Mrs. Maggie Cammann.
Rangely	Rio Blanco	5,050	11	68.3	+ 5.2	97	11	38	9	53	0.95	− 0.46	0.95	0.0	1	13	12	5	w.	Mrs. C. P. Hill.
Redcliff	Eagle	8,695	15																	Dorothea Greiner.
Rico	Dolores	8,824	8								1.20		0.64	0.0	5	22	5	3	sw.	Clinton B. Smith.
River Portal	Montrose	6,570	4	65.0		89	11†	39	9†	46	0.12		0.04	0.0	3	23	5	2		U. S. Reclamation Service.
Sapinero	Gunnison	8,125	8	55.1		80	19	30	17	46	0.34		0.13	0.0	8	20	8	2	w.	W. F. Irving.
Shoshone	Garfield	6,110		64.8		81	19	46	17	30	0.27		0.11	0.0	4	13	12	5		Central Colo. Power Co.
Silt	...do	5,441	13																	W. S. Park.
Silverton (1)	San Juan	9,285	6	53.2		89	24	20	22	61	0.96		0.36	0.0	8	19	11	0	sw.	A. P. Root, jr.
Silverton (near) §	...do	9,400	3	50.2		75	12†	26	17	46	0.97		0.48	0.0	3	18	6	6	sw.	San Juan P. & W. Co.
Spruce Lodge	Grand	9,600	2								1.45		0.72	0.0	9					H. J. Wills.
Steamboat Springs	Routt	6,683	7	56.3		87	19	24	9	58	0.37		0.19	0.0	3	28	0	2		M. E. Houston.
Tacoma §	La Plata	7,300	3	60.5		85	12†	35	10	46	0.90		0.90	0.0	1	19	6	5		San Juan P. & W. Co.
Terminal Dam §	...do	8,300	3								1.27		0.66	0.0	5	23	6	1	n.	Do.
Uncompahgre Plateau	Montrose	8,400									0.57		0.28	0.0	3	18	10	2	sw.	Martin Esser.
Whitepine	Gunnison	9,500	10	51.2		74	19	28	17	42	T.		T.	0.0	0	16	14	0	s.	C. E. Macy.
Yampa	Routt	8,000	1								0.38		0.20	0.0	2	9	18	3	w.	Percy A. Hughes.
Utah.																				
Baker	San Juan	7,560	1								4.00		3.80	0.0	3	23	4	3	s.	Maude A. Palmer.
Basin	Grand	9,500	1								2.38		1.92	0.0	3	14	14	2	sw.	E. H. Wolf.
Castle Dale	Emery	5,500	11	67.2		93	14	40	22†	48	2.25		1.40	0.0	2	29	1	0		James Jeffs.
Emery	...do	6,260	10	62.6		87	26	40	3†	45	0.45		0.45	0.0	1	1	11	18	s.	H. C. Wickman.
Escalante	Garfield	5,700	10	65.2		92	11	37	7	47	0.72		0.72	0.0	1	24	0	6		Geo. H. Barney.
Fort Duchesne	Uinta	5,000	22	67.1	+ 2.3	97	26†	36	4†	54	0.39	+ 0.12	0.25	0.0	3	21	5	4	s.	B. F. Mudd.
Grayson	San Juan	5,750	6								1.25		0.75	0.0	2					Joseph A. Lyman.
Green River	Emery	4,080	13	78.7	+ 5.8	105	1	51	5	45	0.33	+ 0.28	0.24	0.0	2	26	4	0	sw.	B. F. Miller.
Hanksville	Wayne																			F. G. Weber.
Hite	Garfield	3,000	11																	John P. Hite.
La Sal	San Juan	7,000	10	64.2[d]		86	1	45	7	37	1.18		0.60	0.0	2	22	2	2		Gertrude W. Carpenter.
Loa	Wayne	7,000	18																	Michael Hansen.
Mill Canyon	Washington	8,400																		J. A. Gardner.
Moab	Grand	4,000	21	76.2	+ 5.0	103	1	48	11	52	1.32	+ 1.11	1.02	0.0	2	19	8	3		Henry Crouse.
Monticello	San Juan		2																	D. B. Perkins.
Orderville	Kane										0.36		0.36		1					F. A. Porter.
Price	Carbon	5,557																		C. A. Guiwits.
Ranch	Kane	6,700	9	57.0		86	25	31	7†	49	0.46		0.24	0.0	2	27	2	1	w.	J. W. Seaman.
Saint George	Washington	2,880	29	77.8	+ 3.2	107	26	48	9	57	0.60	+ 0.55	0.60	0.0	1					Joseph T. Atkin.
Scofield	Carbon	7,625	2																	O. E. Jorgensen.
Springdale	Washington		3								0.20		0.20	0.0	1					Wm. W. Flanigan.
Strawberry	Wasatch		4	57.8		83	11	30	9	44	0.29		0.20	0.0	3	17	11	2		U. S. Reclamation Service.
Sunnyside	Carbon	5,280	2								0.45		0.40	0.0	3					Henry Cullum.
Teasdale	Wayne	7,000	2	65.4		88	1	44	9†	42	0.70		0.70	0.0	1					Josiah Shurts.
Theodore	Wasatch	5,507	5	64.2		92	27	35	7	51	0.51		0.33	0.0	2	13	14	3		M. M. Smith.
Tropic	Garfield	7,000	13	65.2	+ 4.2	94	1	35	7	49	1.08	+ 0.69	0.57	0.0	2	23	7	0	nw.	E. P. Bolton.

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

Stations.	Counties.	Elevation, feet.	Length of record, yrs.	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 melted.	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.
Utah—Cont'd.																				
Vernal	Uinta	5,050	15	67.2	+ 0.7	95	19	36	9	48	0.15	− 0.24	0.15	0.0	1	27	2	1		Joab Collier.
New Mexico.																				
Alma	Socorro	5,500	11	73.4	+ 4.0	104	10	39	17	60	0.09	− 0.35	0.08	0.0	2	15	14	1	s.	M. A. Balke.
Aragon	...do	5,856	3	61.2		90	8†	30	17	57	0.30		0.23	0.0	3	18	9	3	sw.	John R. Milligan.
Blackrock	McKinley	6,500	2	67.0		90	1†	40	16†	46	0.62		0.62	0.0	1	20	10	0	w.	Wm. J. Oliver.
Bloomfield	San Juan	5,500	15	69.9	+ 1.7	100	19	39	9	56	0.07	− 0.30	0.07	0.0	1	13	15	2	sw.	Fred Le Clerc.
Cambray	Luna	4,215	11								0.95	+ 0.42	0.50	0.0	3	8	22	0	w.	Southern Pacific Co.
Columbus	...do	4,054				106	18	61	27	38	2.34		1.84	0.0	4	18	2	10	sw.	El Paso & Southwest. R.R
Deming	...do	4,333	33	78.0		105	10	47	17	48	0.43	− 0.15	0.43	0.0	2	5	6	19	w.	Southern Pacific Co.
Dulce	Rio Arriba	6,767	12	62.0	+ 1.9	91	19	31	9†	58	0.44	− 0.01	0.42	0.0	4	16	8	6	sw.	John M. Commons.
Fort Bayard	Grant	6,152	35	68.2	− 3.0	95	19	42	19	53	2.40	+ 1.68	1.10	0.0	4	20	4	6	w.	U. S. Gen'l. Hospital.
Fort Wingate	McKinley	6,997	46	68.8	+ 1.0	89	12	46	16†	38	0.30	− 0.32	0.20	0.0	2	12	11	7	sw.	Post Hospital.
Fruitland	San Juan	4,800	17	70.2	+ 1.7	96	12†	37	9	54	0.25	+ 0.11	0.25	0.0	1	20	10	0	w.	Cyril James Collyer.
Gage	Luna	4,486	3	78.2		104	19	54	17	46	0.50	− 0.10	0.29	0.0	2	19	10	1	e.	Southern Pacific Co.
Gila (near)	Grant	4,470	11	74.0	0.0	106	19	40	17	64	1.10	+ 0.67	1.00	0.0	5					Miss Cozella Clark.
Hachita	...do	4,504									0.45		0.20	0.0	4	18	10	2	nw.	El Paso & Southwest. R.R.
Haynes	Rio Arriba	6,600									0.04		0.04	0.0	1	30	0	0	nw.	Dr. John Roger Haynes.
Hermanas	Luna	4,451									0.51		0.50	0.0	2	20	8	2	w.	El Paso & Southwest. R.R.
Lordsburg	Grant	4,245	10	78.6	− 0.6	103	19	54	16†	42	0.60	+ 0.34	0.48	0.0	3	19	10	1	sw.	Southern Pacific Co.
Luna (near)	Socorro	7,300	5																	C. B. Martin.
Manuelito	McKinley	6,252	5																	Mrs. H. F. Irick.
Mimbres	Grant	5,007	5								0.68		0.22	0.0	5	20	8	2	nw.	Chas. Dennis.
Pratt	...do	4,415									0.77		0.30	0.0	5	21	9	0	sw.	El Paso & Southwest. R.R.
Putnam	San Juan	6,200									0.01		0.01	0.0	1	19	11	0	w.	Richard Wetherill.
Redrock	Grant	4,150	5								0.16		0.16	0.0	1	16	14	0		Robert N. Woods.
Rodeo	...do	4,118									1.29		0.60	0.0	5					El Paso & Southwest. R.R.
Rosa	Rio Arriba	6,000	5																	B. A. Candelaria.
Arizona.																				
Allaires Ranch	Cochise	4,184	14								1.08	+ 0.85	0.92	0.0	3	25	1	4	w.	Thos. Allaire.
Arizona Canal Dam	Maricopa	1,372	15	84.7	+ 2.0	111	10	58	16	45	0.27	+ 0.18	0.27	0.0	1	25	3	2	sw.	U. S. Reclamation Service.
Aztec	Yuma	492	12	84.0	− 5.7	117	10	52	15	52	0.00	− 0.02	0.00	0.0	0	28	2	0	w.	Southern Pacific Co.
Benson	Cochise	3,523	28	80.0	− 2.9	105	10	52	16	47	0.39	+ 0.07	0.30	0.0	2	17	6	7	e.	Southern Pacific Co.
Bisbee	...do	5,500	20	74.6	− 0.6	94	10	56	3	31	0.54	+ 0.24	0.36	0.0	5	23	5	2	se.	Rev. J. G. Pritchard.
Bonita	Graham	4,916																		A. Johnson & Co.
Bowie	Cochise	3,756	33	82.0	+ 1.9	107	10†	50	3	45	0.35	− 0.20	0.35	0.0	1	17	9	4	sw.	Southern Pacific Co.
Buckeye	Maricopa	980	17	82.4	+ 1.9	112	10†	54	8†	55	0.02	+ 0.01	0.02	0.0	1	27	3	0	sw.	H. E. Kell.
Canille	Santa Cruz	5,225	1								1.78		0.80	0.0	4	9	17	4	sw.	R. A. Rodgers.
Casa Grande	Pinal	1,396	28	86.4	− 2.4	116	10†	53	16	52	0.00	− 0.09	0.00	0.0	0	23	5	2	sw.	Southern Pacific Co.
Cave Creek	Maricopa	1,520	3	85.5		114	1†	55	8	50	0.50		0.40	0.0	2	28	1	1	sw.	E. A. Howard
Chin Lee	Apache	6,090	2	70.7		98	19	40	8	54	T.		T.	0.0	0	20	8	2	sw.	Fr. L. Ostermann, O. F. M.
Chiarsons Mill	Graham	8,000	3	63.2		87	10†	36	16	47	0.98		0.80	0.0	3	23	6	1		H. R. Chiarson.
Clifton	Graham	3,584	19	84.9		106	18	63	15	38	0.28		0.20	0.0	3	26	2	2		P. Reisinger.
Cline	Gila	2,300	10	79.4	+ 1.4	106	10†	51	17†	50	0.42	+ 0.24	0.40	0.0	2	24	5	1	sw.	W. M. Clanton.
Cochise	Cochise	4,219	11	73.4	− 5.9	103	9	48	3†	49	0.20	+ 0.03	0.10	0.0	2	25	4	1	e.	Southern Pacific Co.
Columbia	Yavapai	1,900	11	85.0	+ 2.5	111	10	62	7	40	0.66		0.63	0.0	2	25	0	5	se.	M. J. Nolan.
Congress	...do	3,688	14	82.4	+ 1.0	105	10	60	16	29	0.01	− 0.06	0.01	0.0	1	27	2	1	sw.	Congress Mine.
Courtland	Cochise	4,543	1								0.81		0.72	0.0	4	8	19	3	sw.	El Paso & Southwest. R.R.
Dos Cabezos	...do	5,250	2	76.7		108	10	45	18	60	1.24		0.48	0.0	4	20	7	3	w.	N. Erickson.
Douglas	...do	3,930	7	78.5		106	10†	49	17	52	1.07		0.39	0.0	6	20	7	3	sw.	Dr. F. T. Wright.
Dudleyville	Pinal	2,204																		G. F. Cook.
Fairbank	Cochise	3,862	1								0.90		0.60	0.0	3	16	11	3		El Paso & Southwest. R.R.
Flagstaff (1)	Coconino	6,907	18	59.9	+ 0.6	87	10	31	16	50	0.61	+ 0.06	0.56	0.0	2	25	3	2	sw.	U. S. Weather Bureau.
Florence	Pinal	1,504	11	86.4	+ 2.0	114	1	57	15	48	T.	− 0.01	T.	0.0	0	23	2	5	e.	Pacific & Eastern R. R.
Fort Apache	Navajo	5,200	39	69.1	− 0.3	95	9†	41	17	49	0.26	− 0.28	0.18	0.0	3	24	3	3	e.	Post Hospital.
Fort Huachuca	Cochise	5,100	25	75.9	− 0.4	100	10†	44	3	44	1.35	+ 0.87	1.35	0.0	2	19	11	0	se.	Post Hospital.
Fort Mohave	Mohave	604	39																	A. F. Duclos.
Gilabend	Maricopa	737	19	87.8	0.0	120	10	57	17	49	T.	− 0.04	T.	0.0	0	27	3	0	w.	Southern Pacific Co.
Globe	Gila	3,525	9	80.0		107	10	54	16†	45	0.15		0.15	0.0	1	26	4	0	nw.	Dr. B. G. Fox.
Grand Canyon	Coconino	6,866	7	61.5		86	3†	32	16	48	0.48		0.40	0.0	2	24	5	1	sw.	Grand Canyon Ry.
Greer	Apache	9,200	6								0.50		0.40	0.0	2	23	4	3	s.	Mrs. M. Butler.
Hereford	Cochise	4,180	1								0.33		0.33	0.0	1	22	0	8	s.	El Paso & Southwest. R.R.
Holbrook	Navajo	5,069	21	71.8	+ 2.6	100	11	43	6	52	0.41	+ 0.26	0.29	0.0	2	25	5	0	sw.	T. Larson.
Intake	Gila	2,230	3								0.60		0.60	0.0	1	24	6	0	sw.	A. J. Robinson.
Jerome	Yavapai	4,743	13	77.0	+ 0.2	98	10	53	16	30	0.61	+ 0.43	0.61	0.0	1	27	1	2	s.	Dr. L. A. Hawkins.
Keams Canyon	Navajo		6	66.8		92	13	42	9†	45	0.37		0.30	0.0	3	13	17	0	sw.	L. R. Ballard.
Kingman	Mohave	3,326	8	76.0		107	10	45	16	55	0.15		0.15	0.0	3	1	3	1	sw.	J. R. Gooding.
Lewis Springs	Cochise	4,029	1								1.52		1.12	0.0	3	18	9	3	c.	El Paso & Southwest. R.R.
Maricopa	Pinal	1,186	33	86.6	− 2.7	115	10	61	16	40	0.14	+ 0.06	0.14	0.0	1	27	2	1	c.	Southern Pacific Co.
Mesa	Maricopa	1,244	14	86.2	+ 6.2	115	9	54	14	52	0.48	+ 0.35	0.48	0.0	1	27	2	1	sw.	C. L. Diehl.
Mohawk Summit	Yuma	538	9	93.0	+ 0.1	120	10	65	4†	48	0.00	0.00	0.00	0.0	0	29	1	0	e.	Southern Pacific Co.
Naco	Cochise	4,570	1																	El Paso & Southwest. R.R.
Natural Bridge	Gila	4,990	21								0.60	+ 0.32	0.60	0.0	1	27	3	0	sw.	D. G. Goodfellow.
Nogales	Santa Cruz	3,830																		Wallace & Summerhayes.
Oracle	Pinal	4,500	18																	W. H. Winters.
Osborn	Cochise	4,676	1								1.65		0.98	0.0	4	18	8	4	sw.	El Paso & Southwest. R.R.
Paradise	Cochise	3,940	4	71.6		97	9	45	16†	47	2.35		0.90	0.0	4	12	13	5	sw.	J. C. Hancock.
Parker	Yuma	345	13	80.7	− 4.2	115	26	43	8	60	0.00	− 0.01	0.00	0.0	0	28	1	1	sw.	Dr. H. V. King.
Payson	Gila	5,500	1	67.6		94	4†	39	7†	52	0.71		0.56	0.0	2	18	7	5	sw.	M. McDonald.
Phoenix (1)	Maricopa	1,108	15	85.1	+ 0.7	111	11	62	16	40	T.	− 0.12	T.	0.0	0	27	2	1	e.	U. S. Weather Bureau.
Pinal Ranch	Pinal	4,520	15								0.07	− 0.31	0.07	0.0	1	27	2	1		Irion & Craig.
Pinto	Apache	5,660	5																	Mrs. C. F. Henning.
Prescott	Yavapai	5,320	45	67.3	− 0.2	96	10	40	16	50	1.05	+ 0.79	0.70	0.0	2	27	1	2		Dr. J. W. Flinn.
Quartzsite	Yuma	800	2	87.4		114	11	61	15	43	T.		T.	0.0	0	27	3	0	w.	W. E. Scott.
Redrock	Pinal	1,856	2	88.4		112	9†	58	16	45	0.24		0.18	0.0	2	17	13	0	w.	W. J. Crowell.
Roosevelt	Gila	2,175	6	87.0		112	10	66	8†	40	0.02		0.02	0.0	1	27	3	0		W. A. Schoenfeld.
Sacaton	Pinal		2	85.0		114	10	56	15	50	0.00		0.00	0.0	0	27	2	1		M. F. Gilman.
Saint Johns	Apache	5,650	5	67.9		95	1	37	16	48	0.57		0.33	0.0	2	19	9	2	sw.	A. Shreeve.
Saint Michaels	...do	6,950	22	66.4	+ 1.7	92	1†	39	16	47	0.76	+ 0.08	0.53	0.0	3	22	8	0	sw.	Rev. A. Weber, O. F. M.
Salome	Yuma	1,875	3																	Mrs. M. B. Swartz.
San Carlos	Gila	2,456	28	80.9	+ 1.1	111	10	50	17	55	0.07	− 0.07	0.05	0.0	2	26	3	1	sw.	F. S. Thomas.
San Simon	Cochise	3,609	26	76.4	− 7.6	98	1†	50	3†	48	0.02	− 0.08	0.02	0.0	1	24	6	0	w.	Southern Pacific Co.
Seligman	Yavapai	5,219																		C. W. Dougherty.
Sentinel	Maricopa	685	11	88.6	− 1.1	116	10†	61	16	43	0.00	0.00	0.00	0.0	0	26	2	2		Southern Pacific Co.
Showlow	Navajo	6,300	7																	G. Woolford.
Silverbell	Pima	2,650	4	86.4		106a	11	63a	15	30a	1.16		0.62	0.0	3	27	1	2	w.	Imperial Copper Co.
Supai	Coconino	3,200																		C. E. Coe.
Tempe	Maricopa	1,165	6	83.0		111	10†	56	16†	49	0.06		0.06	0.0	0	27	1	2	sw.	F. H. Simmons

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

Stations.	Counties.	Elevation, feet.	Length of record, yrs.	Temperature, in degrees Fahrenheit.							Precipitation, in inches.					Sky.				Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmelted.	Number of rainy days, .01 inch or more.	Number of clear days.	Number of partly cloudy days.	Number of cloudy days.	Prevailing wind direction.	
Arizona—Cont'd.																				
Thatcher	Graham	2,800	7	78.4	.....	105	10†	47	17	55	0.20	.....	0.20	0.0	1	27	2	1	nw.	Prof. J. H. Larson.
Tombstone	Cochise	4,550	11	77.2	+ 0.1	98	10†	54	15	36	0.81	+ 0.49	0.55	0.0	3	20	10	0	.....	F. N. Walcott.
Truxton	Mohave	4,197	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	E. B. Atkinson.
Tuba	Coconino	4,500	12	71.9	.....	98	1	49	9†	44	0.75	+ 0.51	0.50	0.0	2	16	10	4	ne.	G. H. Kraus.
Tucson	Pima	2,390	30	82.9	+ 0.9	109	10	52	16	47	0.12	− 0.06	0.12	0.0	1	14	14	2	nw.	University of Arizona.
Vail	....do	3,421	11	81.9	+ 0.4	108	10	50	16	47	0.08	0.00	0.08	0.0	1	21	8	1	.....	Southern Pacific Co.
Walnut Grove	Yavapai	3,649	18	.....	.....	.....	.....	.....	.....	.....	0.12	+ 0.09	0.11	0.0	2	25	5	0	.....	J. O. Carter.
Wickenburg	Maricopa	2,072	....	79.0	+ 0.5	108	30	50	3	51	0.05	+ 0.03	0.05	0.0	1	27	3	0	sw.	Santa Fe, Presc't & Phoenix
Willcox	Cochise	4,164	28	76.3	− 2.3	104	2†	50	17†	54	0.23	− 0.01	0.20	0.0	2	14	12	4	s.	Southern Pacific Co.
Williams	Coconino	6,750	8	65.2	+ 1.7	92	1†	32	16	56	0.38	+ 0.27	0.32	0.0	2	26	2	2	sw.	E. J. Nordyke.
Winslow	Navajo	4,853	5	74.5	.....	103	12	47	10†	53	0.41	.....	0.20	0.0	3	26	0	4	.....	J. F. Bauer.
Yarnell	Yavapai	4,700	12	.....	.....	.....	.....	.....	.....	.....	0.10	− 0.07	0.10	0.0	1	27	0	3	s.	E. L. Bartholomew.
Yuma	Yuma	141	29	84.2	− 0.5	115	10	58	14	45	0.00	0.00	0.00	0.0	0	28	2	0	w.	U. S. Weather Bureau.
Nevada.																				
Las Vegas	Clark	.....	....	81.7	.....	112	1	40	21	59	0.00	.....	0.00	0.0	0	.....	.....	.....	nw.	Salt Lake Route.
Logan	....do	.....	....	79.7	.....	111	1	52	15	51	T.	.....	T.	0.0	0	15	9	6	s.	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 June, 1910. District No. 9, Colorado Valley.*

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	
Wyoming.																																			
Daniel	Green	T.					T.								T.														T.	.15	T.		0.15
Dixon	Snake																																		
Eden	Green												.01	T.	T.		.06	.04	T.												.05		0.16
Green River	...do													T.			.01	T.													T.		0.01
Kendall	...do																																		
Pinedale	...do													T.	.01		.02													T.			0.03
Rambler	Snake	T.											T.	T.	T.	T.	.62	T.										T.	.10	.30	T.		1.02
Willow Creek Cabin	Green																																		
Colorado.																																			
Ashcroft	Grand																																		
Breckenridge	...do															.06											.10			.20			0.36
Cascade	San Juan															T.	T.			.03	T.					.02	.03	.08	.72	.20			1.08
Chromo	...do														.02	T.						T.			T.			.02	.30	.02			0.36
Cochetopa	Gunnison	T.				T.										.02	.36				T.	T.					.07		T.		.05		0.50
Collbran	Grand																													.08			0.08
Columbine	Yampa																																		
Columbine Ranch	Gunnison																T.													.03			0.03
Coronal‖	Grand																																		
Crawford	Gunnison																.11												.03				0.14
Crested Butte	...do	T.												T.	T.	T.	.50										.11	T.	.32	T.			0.93
De Beque	Grand																																		
Delta	Gunnison																												.01	.03			0.04
Dillon	Grand															T.	.20	T.					T.					.30	T.	T.			0.50
Dolores	Dolores																																		
Durango	San Juan															T.					T.						T.	.14	.52	.06			0.72
Eagle	Grand																																		
Eureka	San Juan				.05								.08															.06	.45	.21			0.85
Fraser‖	Grand													T.	T.			.10	.10							.10		T.		.20	.40		0.90
Fruita	...do		T.													T.	T.											T.	.03	.81			0.84
Gladstone	San Juan																																		
Glenwood Springs	Grand																												.27				0.27
Grand Junction	...do															T.	T.												.01	.24			0.25
Grandlake	...do											.10	.10				.24										.24			.15	.40		1.23
Grand Valley	...do																T.	T.											T.	.33			0.33
Gunnison	Gunnison	T.													T.		.10								.02			T.		.15			0.27
Horsefly	...do																												.21	.09	.11		0.41
Ironton	...do	.15														.04	.05				.02								.33	.11			0.70
Kremmling	Grand	T.												.28			.25				.02									.23	.40		1.18
Lake City	Gunnison															.02	.28										.11	T.	.02	T.			0.43
Lay	Yampa	T.	T.														T.	T.											T.	.16	.04		0.20
Leal	Grand	T.											T.			.01	.03												.02	.01			0.07
Lujane	Gunnison																T.				T.								.10	.01			0.11
Mancos	San Juan																												.96	T.			0.96
Marble	Grand	T.												.10			.22												.30	.21			0.83
Marshall Pass	Gunnison													T.		T.	T.					T.		T.						T.			T.
Meeker	White	T.																											.37	.03	.20		0.60
Montrose	Gunnison																												.01	.20			0.21
Nast	Grand																.51												.36				0.87
Pagoda	Yampa														T.		T.	.08											.16	.16			0.40
Pagosa Springs	San Juan	T.													T.	.04						T.			T.		T.		.75	.23			1.02
Paonia	Gunnison													T.			T.													.05			0.05
Parshall	Grand																												.05	.20			0.25
Pitkin	Gunnison																.54											.13	.08				0.75
Rangely	White																												T.	.95	T.		0.95
Redcliff	Grand																																		
Rico	Dolores																T.				T.					.24	.21	.64	.06	.05			1.20
River Portal	Gunnison																			.04							.04	.04					0.12
Sapinero	...do	.01				.01										.01	.02				T.						.10	.13	.05	.01			0.34
Shoshone	Grand													T.	T.	T.	.11									.03			.11	T.	.02		0.27
Silverton (1)	San Juan															.20	.10				.01					.01	.01	.36	.22	.05			0.96
Silverton (near)	...do															.10											T.	T.	.48	.39			0.97
Spruce Lodge	Grand													.02			.40	.01			.02				.72	.04			.08	.11	.05		1.45
Steamboat Springs	Yampa														T.		.19												.15	.03			0.37
Tacoma	San Juan															T.										T.	T.	T.	.90				0.90
Terminal Dam	...do														T.	.06					.02							.44	.66	.09			1.27
Uncompahgre Plateau	Gunnison																.03				T.								.26	.28			0.57
Whitepine	...do																										T.						T.
Yampa	Yampa											T.	T.				.18												.20				0.38
Utah.																																			
Baker	Colorado																											.12	3.80	.08			4.00
Basin	Grand																											.08	.38	1.92			2.38
Castle Dale	Green																												1.40	.85			2.25
Emery	Colorado																											T.	.45				0.45
Escalante	...do																											.72					0.72
Fort Duchesne	Green																.01												.25	.13			0.39
Grayson	San Juan																											.50	.75				1.25
Green River	Green																												.24	.09			0.33
Hanksville	Colorado																																		
Hite	...do																																		
La Sal	Grand																T.												.60	.58			1.18
Loa	Colorado																																		
Mill Canyon	...do																																		
Moab	Grand																T.											T.	.30	1.02			1.32
Monticello	...do																																		
Orderville	Colorado																												.36				0.36
Price	Green																																		
Ranch	Colorado															T.												.22	.24				0.46
St. George	...do																												.60				0.60
Scofield	Green																																		
Springdale	Colorado																										.20						0.20
Strawberry	Green												T.	T.			.06												.20	.03			0.29
Sunnyside	...do																.02	T.										T.	.03	.40			0.45
Theodore	...do	T.					T.							T.			T.	T.						T.					.18	.33			0.51
Tropic	Colorado																											.57	.51				1.08
Vernal	Green																													.15			0.15
New Mexico.																																			
Alma	Gila			.01																							T.	.08					0.09
Aragon	...do																									T.	.03	.04	.23				0.30
Blackrock	Little Colorado																				T.							T.	.62				0.62
Bloomfield	San Juan															T.					T.					T.	T.	T.	T.	T.			T.
Cambray	Mimbres																									.30	.50	.15					0.95
Columbus	Gila			T.										T.									.07	T.	T.	.02	.41	1.84					2.34
Deming	Mimbres																										*	.43					0.43
Dulce	San Juan														.01										T.	T.	T.	.01	*	.42			0.44

TABLE 2.—*Daily precipitation for June, 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—Cont'd.																																	
Fort Bayard	Mimbres		T.	.60	.20																T.				T.	.50	1.10	T.	T.				2.40
Fort Wingate	Little Colorado																				T.						T.	.10	.20				0.30
Fruitland	San Juan																												.25				0.25
Gage	Mimbres		.21																									.39					0.50
Gila (near)	Gila			.02	1.00																					.05	.02	.01					1.10
Hachita	...do				.06																						.20	.05	.14				0.45
Haynes	San Juan																										.04	T.					0.04
Hermanes	Gila																				T.	T.			T.		T.	.50	.01				0.51
Lordsburg	...do		.10																							.02	.48						0.60
Luna (near)	...do																																
Manuelito	Little Colorado																																
Mimbres	Mimbres			.08	.05																				.06		.22	.11	.16				0.68
Pratt	Gila		.30	.12																						.10	.05	.20					0.77
Putnam	San Juan																												.01				0.01
Redrock	Gila																									.16							0.16
Rodeo	...do		.10	.60																		T.	T.				.50	.07	.02				1.29
Rosa	San Juan																																
Arizona.																																	
Allaires Ranch	Sonora	T.	.92	.07																								.09	T.				1.08
Arizona Canal Dam	Salt																										.27						0.27
Aztec	Gila																																0.00
Benson	San Pedro		.30																								T.	.09	T.				0.39
Bisbee	...do		T.	.36	.03																						.05	.03	.07				0.54
Bonita	Mimbres																																
Bowie	Gila			.35																							T.	T.					0.35
Buckeye	...do																										.02						0.02
Canille	San Pedro	T.	.80	.71	T.	T.																						.15	.12				1.78
Casa Grande	Gila																																0.00
Cave Creek	Verde																											.40	.10				0.50
Chin Lee	San Juan																			T.								T.	T.				T.
Chiarsons Mill	Gila																										.17	.80	.01				0.98
Clifton	...do																									.20	.03	.05					0.28
Cline	Salt																										.40	.02					0.42
Cochise	Desert		.10																								.10						0.20
Columbia	Agua Fria																										.03	.63					0.66
Congress	Hassayampa																										T.	.01					0.01
Courtland	White		.72	.06														.01		.02													0.81
Dos Cabezos	Desert	.19		.48																							.38	.19					1.24
Douglas	Sonora		.39	.02	.37																		.02			.05		T.	.22				1.07
Dudleyville	Gila																																
Fairbank	San Pedro		.25	.60																							.05						0.90
Flagstaff (1)	Little Colorado																										T.	.51	.10				0.61
Florence	Gila																										T.	T.					T.
Fort Apache	Salt	T.																									.18	.05	.03				0.26
Fort Huachuca	San Pedro			1.35	T.																												1.35
Fort Mohave	Colorado																																
Gilabend	Gila																										T.						T.
Globe	Salt																												.15				0.15
Grand Canyon	Colorado																											.40	.08				0.48
Greer	Little Colorado																			T.							T.	.40	.10	T.			0.50
Hereford	San Pedro																																
Holbrook	Little Colorado																			T.								.29	.12				0.41
Intake	Salt																											.60					0.60
Jerome	Verde																											T.	.61				0.61
Keams Canyon	Little Colorado																										.01	.30	.06				0.37
Kingman	Colorado																											.15					0.15
Lewis Springs	San Pedro		1.12	.38																						.02							1.52
Maricopa	Gila																											.14	T.				0.14
Mesa	Salt																										T.	.48	T.				0.48
Mohawk Summit	Gila																																0.00
Naco	San Pedro																																
Natural Bridge	Verde																										.60						0.60
Nogales	Santa Cruz																																
Oracle	San Pedro																																
Osborn	...do		.40	.98																								.04	.23				1.65
Paradise	Desert		.90	.15																			T.			T.	.80	.50					2.35
Parker	Colorado																																0.00
Payson	Verde																											.56	T.	.15			0.71
Phoenix (1)	Salt																										T.	T.	T.				T.
Pinal Ranch	...do																										T.	.07					0.07
Pinto	Little Colorado																																
Prescott	Hassayampa																											.70	.35				1.05
Quartzsite	Colorado																											T.					T.
Redrock	Santa Cruz	T.	T.																								.18	.06					0.24
Roosevelt	Salt																										T.	.02	T.				0.02
Sacaton	Gila																																0.00
St. Johns	Little Colorado																										.24	.33	T.				0.57
St. Michaels	...do																			T.	T.					.07	.53	.16	T.	T.			0.76
Salome	Colorado																																
San Carlos	Gila																											.02	.05				0.07
San Simon	...do			T.																						T.	.02						0.02
Seligman	Verde																																
Sentinel	Gila																																0.00
Showlow	Little Colorado																																
Silverbell	Santa Cruz																										.62	.06	.48				1.16
Supai	Colorado																																
Tempe	Salt																										T.	.06	T.				0.06
Thatcher	Gila																											.20					0.20
Tombstone	San Pedro		.55	.04																								.22					0.81
Truxton	Little Colorado																																
Tuba	...do																										T.	.25	.50				0.75
Tucson	Santa Cruz		T.	T.																							T.	.12	T.				0.12
Vail	...do		T.																								T.	.08	T.				0.08
Walnut Grove	Hassayampa																											.11	.01	T.			0.12
Wickenburg	...do																											.05	T.				0.05
Willcox	Desert		.20	.03																													0.23
Williams	Colorado																											.32	.06				0.38
Winslow	Little Colorado																										T.	.20	.20	.01			0.41
Yarnell	Hassayampa																												.10				0.10
Yuma	Colorado																																0.00
Nevada.																																	
Las Vegas	Colorado																																0.00
Logan	...do																												T.				T.

TABLE 3.—*Maximum and minimum temperatures at selected stations, June, 1910. 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 (Experiment station).		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	78	40	92	50	87	44	97	58	80	32	81	34	77	32	66	41	92	52			103	55	105	63	85	51	85	60
2	65	37	79	49	84	46	95	59	82	30	86	41	81	37	70	45	92	44			98	62	99	68	87	50	85	64
3	73	25	76	37	82	44	88	59	80	32	77	34	74	32	67	40	84	40			95	52	94	59	71	50	80	56
4	65	25	79	32	83	43	88	54	78	34	76	34	75	26	72	48	88	36			94	51	97	55	78	52	82	54
5	74	29	86	41	85	44	93	58	79	32	83	35	79	26	73	42	89	40			95	50	95	56	83	49	83	58
6	71	43	84	43	81	44	90	58	80	30	81	37	80	31	75	45	89	39			93	53	94	55	85	50	80	63
7	68	35	82	39	82	40	90	57	82	34	75	37	77	31	85	42	88	39			93	58	95	54	86	54	81	54
8	58	32	76	37	82	45	87	63	78	36	72	30	77	33	82	46	84	53			92	56	96	57	90	55	83	58
9	64	30	76	32	82	44	83	54	80	44	72	31	71	24	83	50	86	36			93	51	100	48	93	60	83	53
10	76	26	83	38	84	40	87	51	77	27	73	33	75	25	80	49	86	38			93	51	100	52	91	58	83	54
11	84	31	93	47	84	41	92	56	79	29	84	34	82	28	82	42	96	42			100	48	105	75	90	55	86	50
12	74	42	85	56	88	50	95	64	81	34	84	40	84	37	85	41	92	48			100	59	105	55	92	55	89	52
13	75	36	83	52	85	46	94	63	80	30	82	41	79	40	82	45	89	51			98	53	98	55	90	52	83	56
14	69	38	85	50	82	46	91	68	79	28			79	35	76	47	88	42			95	66	90	63	87	51	84	60
15	79	34	84	52	80	45	92	62	82	26	83	36	84	30	75	42	89	43			95	55	85	51	85	48	82	63
16	69	56	78	49	74	44	78	65	65	25	70	40	62	44	81	47	81	58			91	63	90	53	84	45	83	46
17	70	38	79	44	82	39	89	59	78	34	73	46	75	33	82	45	86	48			94	55	96	59	90	52	81	46
18	79	35	90	49	87	43	94	63	80	30			83	32	85	47	93	45			98	54	99	60	94	44	86	48
19	80	32	92	46	87	44	98	65	84	32	89	30	87	29	84	48	91	54			100	53	100	60	95	42	85	60
20	79	34	91	50	84	47	96	70	90	35	87	41	86	34	82	46	94	43			99	62	97	60	85	64	84	61
21	72	38	85	49	86	45	94	65	84	30	83	41	85	33	80	46	92	41			98	68	95	53	88	54	83	60
22	71	40	86	46	86	44	92	64	82	35	84	34	83	31	81	47	92	42			97	56	94	65	86	55	83	62
23	70	42	82	47	84	40	93	65	86	34	83	36	82	28	85	46	90	42			97	61	94	59	89	52	84	66
24	70	30	85	43	85	46	90	60	80	37	81	35	79	39	81	45	91	47			98	55	100	57	88	50	82	49
25	79	36	88	45	84	46	94	62	84	33	81	40	84	33	86	50	94	47			100	55	105	58	74	50	82	50
26	84	38	92	49	81	49	93	66	80	36	80	39	83	37	87	55	97	45			100	70	107	50	70	44	82	49
27	85	40	95	52	81	48	89	67	79	37	83	41	84	36	86	51	97	47			95	69	94	77	67	48	82	52
28	76	39	83	57	70	53	79	63	77	39	80	37	79	39	70	55	85	57			80	64	86	66	70	52	74	52
29	75	40	82	57	72	49	68	59	75	35	75	50	71	41	69	52	75	57			80	58	94	64	84	58	78	47
30	76	40	88	51	82	46	82	54	79	39	74	40	79	45	72	55	86	44			89	54	95	56	86	52	80	48
Mns	73.6	36.0	84.6	46.3	82.5	44.8	89.7	61.0	80.0	33.0	79.7	37.4	79.2	33.4	78.8	46.5	89.2	45.0			95.1	57.2	96.8	58.8	84.8	51.7	82.6	55.0

Date.	Arizona.																								Logan, Nev.	
	Bisbee.		Flagstaff.		Fort Apache.		Grand Canyon.		Parker.		Phoenix.		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	89	67	84	49	94	51	80	45	108	62	106	74	91	65	92	60	105	62	104	70	105	72	111	60
2	83	64	78	54	87	54	83	44	106	58	101	76	83	63	87	47	99	72	97	70	104	78	102	62
3	74	56	75	48	83	57	86	47	104	53	96	71	82	57	82	56	95	67	95	69	97	72	99	56
4	80	57	78	46	87	51	80	45	107	61	96	71	83	53	84	54	99	65	97	62	100	63	100	58
5	85	61	79	38	89	51	80	45	104	53	100	68	84	43	86	50	101	57	100	63	101	61	100	59
6	87	61	77	42	88	47	78	38	105	48	102	70	83	49	84	46	102	55	101	65	102	59	101	58
7	88	62	77	37	88	48	78	46	106	50	100	65	86	46	85	44	103	60	102	63	102	60	100	54
8	92	66	81	34	92	45	78	37	103	43	102	65	89	44	85	43	107	52	104	61	104	62	102	59
9	93	67	85	37	95	51	80	38	109	53	107	70	91	49	85	44	110	55	106	63	110	65	105	57
10	94	68	87	37	95	51	82	36	114	57	110	70	96	46	88	42	111	57	109	65	115	71	108	65
11	92	64	86	41	91	51	84	44	107	70	111	73	94	54	89	42	106	64	107	70	111	76	108	53
12	90	62	84	50	91	54	80	48	106	66	104	74	90	55	92	64	106	65	105	70	108	66	105	55
13	88	71	78	37	89	46	86	50	102	53	103	68	84	46	87	50	104	54	103	66	103	62	100	53
14	86	67	74	41	88	49	78	44	103	60	98	67	80	55	86	44	102	61	99	67	94	58	92	65
15	82	58	69	41	84	44	78	42	104	52	88	64	75	43	85	43	97	54	96	60	88	59	91	52
16	83	57	74	31	84	44	80	32	103	47	93	62	81	40	76	39	95	53	93	52	98	60	97	55
17	88	57	80	36	90	41	80	36	100	60	100	64	86	43	85	41	104	50	102	55	104	64	97	55
18	91	62	82	38	92	46	80	38	106	64	102	69	89	46	90	46	106	54	105	60	104	60	101	59
19	93	65	83	38	94	52	82	40	106	63	104	68	90	47	89	46	107	57	104	66	105	66	103	58
20	92	67	82	42	83	50	82	42	107	62	104	71	88	48	90	47	106	58	105	65	105	66	102	57
21	90	66	80	35	91	51	80	37	100	61	100	68	85	43	88	48	104	59	103	66	102	62	100	56
22	92	64	76	39	86	48	78	38	104	60	103	68	83	49	85	45	102	60	101	64	99	60	98	54
23	85	61	76	41	86	46	82	44	99	58	97	64	81	45	84	43	101	57	100	60	99	64	97	57
24	87	63	81	36	90	46	80	48	101	54	100	65	87	45	88	42	104	55	102	61	102	63	105	60
25	87	63	85	38	90	52	78	39	106	56	106	67	93	51	88	53	104	64	108	62	107	66	109	61
26	77	63	84	45	81	53	78	48	115	62	106	80	82	57	76	55	97	69	104	73	111	66	110	59
27	76	63	65	52	79	58	78	50	103	52	91	74	78	56	73	53	89	70	91	73	105	77	99	68
28	80	60	65	49	82	57	81	46	101	53	97	73	77	56	83	48	98	61	98	65	103	76	94	75
29	83	59	74	46	86	49	86	46	103	52	101	71	81	48	82	45	101	59	100	62	102	61	94	57
30	85	59	75	40	87	50	78	42	104	53	99	70	82	43	83	51	103	59	101	62	103	61	100	55
Means	86.4	62.7	78.5	41.3	88.4	49.8	80.5	42.5	104.9	56.5	100.9	69.3	85.1	49.5	85.2	47.7	102.3	59.5	101.4	64.3	103.1	65.2	101.0	58.4