

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

CALIFORNIA SECTION.

EDWARD A. BEALS, District Forecaster.

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GENERAL SUMMARY.

The driest January on record in California was that of 1920. At some stations where records of 70 years are available, no January has brought less precipitation. The average rainfall for the State as a whole, based upon the records of 241 stations, was 0.85 inch, or 16 per cent of the normal. It was the fourth consecutive month with deficient precipitation. At the close of January the accumulated seasonal precipitation was about 40 per cent of the normal in northern and central California, and about 50 per cent of the normal in southern California. Snowfall in the mountains was markedly deficient, and at all elevated stations from which reports were received there was less snow on the ground at the close of January than at the close of the preceding month, an extraordinary condition.

Because of the absence of storms, there was much more sunshine received than is usual during January. The days were warm and the nights cold. During a hot spell which occurred about the middle of the month the maximum temperature records for January were broken at several stations in northern California, while temperatures above 90° were recorded in the southern part of the State. As far as personal comfort was concerned, it was a pleasant month. The wind movement was light. Creek beds in many places were dry for the first time during a month of January. Even the largest streams maintained extremely low stages for a month which usually marks the middle of the rainy season.

The outstanding feature of the weather of the month from an agricultural viewpoint was the deficient precipitation. Because of the prolonged drought ranges deteriorated, stock had to be fed, and arrangements were made to ship some cattle to the neighboring states for pasturage. Some orchards had to be irrigated in order to save the trees, an almost unprecedented condition for January. The drought in southern, and frozen ground in northern counties retarded plowing and seeding, but all other farm, orchard and vineyard work progressed. Winter growing grains showed slight growth. Though frost caused some slight injury to citrus fruit in the San Joaquin Valley, there was little or no damage from low temperatures elsewhere. The spring-like weather of the middle and latter portions of the month brought out almond blossoms in profusion. At the close of the month there was everywhere urgent need of more moisture. The deficiency of densely packed snow in the mountains indicated that there would be a serious shortage of water for irrigation and hydroelectric power purposes during the coming summer.

A. H. P.

PRESSURE.

The mean sea level pressure, determined from the records of twelve regular Weather Bureau stations, was 30.12 inches. The highest was 30.49 inches at Eureka on the 6th; the lowest was 29.65 inches at San Diego on the 3d; the range for the State was 0.84 inch.

TEMPERATURE.

The monthly mean temperature for the State, as shown by the records of 100 stations, was 48.5°, which is 2.7° above the normal. The highest monthly mean was 56.8°, at Indio; and the lowest was 27.2°, at Fordyce Dam. The highest temperature, 95°, occurred at Tustin on the 17th; and the lowest, -3°, occurred at Portola on the 7th. The range for the State was 98°.

PRECIPITATION.

The average precipitation for the State, as shown by the records of 241 stations, was 0.85 inch, or 4.56 inches below the normal. The greatest monthly amount was 4.18 inches, at Crescent City. No rain fell at four stations. The greatest amount in 24 hours was 2.70 inches at Santa Cruz on the 21st.

RELATIVE HUMIDITY, SUNSHINE AND CLOUDINESS.

Stations.	Relative humidity. (Per cent.)			Sunshine.	
	5 a. m.	5 p. m.	Mean.	Actual No. of hours	Percent of Possible.
Eureka	92	84	88	156	52
Fresno	80	54	67	178	58
Independence	50	32	41	222	72
Los Angeles	71	66	68	235	74
Mount Tamalpais	58	58	58	215	70
Red Bluff	77	49	63	200	67
Sacramento	86	70	78	164	54
San Diego	77	72	74	155	49
San Francisco	78	62	70	211	68
San Jose	61	.....	.....	198	64
San Luis Obispo	72	56	64	217	69

WIND MOVEMENT.—(Miles.)

Stations.	Total moy. for month.	Ave. hr. velocity.	Maximum velocity.	Direction.	Date.	Prev. dir.
Eureka	3,487	4.7	37	nw.	5	se.
Fresno	3,040	4.1	27	nw.	5	nw.
Independence	5,663	7.6	34	nw.	11	nw.
Los Angeles	3,967	5.3	28	w.	3	ne.
Mount Tamalpais	15,555	20.2	74	n.	7	ne.
Point Reyes	10,247	13.8	67	nw.	7	se.
Red Bluff	3,835	5.2	33	nw.	7	nw.
Sacramento	4,483	6.0	33	e.	7	se.
San Diego	3,776	5.1	34	e.	7	nw.
San Francisco	5,217	7.0	45	ne.	7	n.
San Jose	3,725	5.0	36	n.	7	se.
San Luis Obispo	2,195	3.0	17	ne.	16	n.

COMPARATIVE DATA FOR JANUARY.

Year.	Mean temp.	Ave. precip.	Year.	Mean temp.	Ave. precip.	Year.	Mean temp.	Ave. precip.	Year.	Mean temp.	Ave. precip.
1897	45.5	2.69	1903	46.6	4.56	1909	47.8	16.17	1915	44.2	7.58
1898	41.0	1.05	1904	45.8	1.38	1910	41.9	4.36	1916	39.8	15.61
1899	46.4	3.53	1905	48.3	4.37	1911	45.7	13.20	1917	39.2	2.71
1900	47.9	3.30	1906	47.5	7.86	1912	47.7	3.53	1918	46.8	1.14
1901	43.9	5.21	1907	43.9	7.46	1913	41.6	5.06	1919	46.4	2.69
1902	44.5	1.38	1908	46.7	4.63	1914	46.9	13.09	1920	48.5	0.85

The departures from the normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. † Also on other dates. a, b, c, etc., indicate respectively, 1, 2, 3, etc., days missing from the record.

Daily evaporation (inches) and wind movement (miles) for January, 1920.

Stations.	Data.	Day of Month.																															Monthly.
		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	
Chula Vista**1	Evaporation.....	.066	.143	.107	.039	.078	.130	.099	.096	.118	.154	.084	.069	.083	.077	.069	.087	.110	.059	.081	.070	.085	.066	.089	.095	.066	.062	.043	.063	.091	.062	.096	2.639
	Wind movement.....	50	75	142	58	72	107	66	58	62	118	81	56	76	70	70	66	40	63	71	46	54	102	98	44	60	51	86	69	79	61	74	2,175
Dodgeland**2	Evaporation.....	.003	.001	.013	.022	.025	.047	.133	.115	.098	.016	.053	.014	.130	.143	.093	.038	.042	.026	.012	.040	.030	.000	.005	.035	.020	.010	.025	.006	.010	.013	.007	1,225
	Wind movement.....	20	30	30	20	66	38	166	120	95	91	46	68	37	76	48	47	4	6	12	20	10	10	20	20	20	20	30	20	20	30	1,260	
Oakdale (near)*3	Evaporation.....	.012	.021	.022	.022	.000	.066	*	*	*.463	*.114	.054	.066	.073	.109	.066	.056	.061	.006	.011	.034	.036	.048	.012	.027	.000	.064	.026	1.469				
	Wind movement.....	78	34	72	30	80	75	355	60	70	90	60	56	94	80	64	36	90	48	62	75	105	160	68	116	46	50	80	100	70	70	60	2,534
Tahoe**4	Evaporation.....	.060	.180	.090	.060	.060	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.110	.070	.....	.080	.100	.060	.100	.....	.030	.100	.030	.010	.000	.030	.030	.010	.....
	Wind movement.....	47	87	104	23	72	142	147	424	84	125	127	77	73	13	107	26	24	41	94	36	42	47	34	42	86	3	43	0	60	38	25	2,293

* Observation taken at 7 a. m.; ** at 8 a. m. † Included in next following entry. 1 Ele. 9 ft.; 10 miles SE of San Diego. 2 Ele. 125 ft.; 16 miles SW of Chico. 3 Ele. 215 ft.; Woodward Reservoir, 8 miles N of Oakdale. 4 Ele. 6230 feet; float in Lake Tahoe.

Climatological Data for January, 1920.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation, in inches.					Number of days.			Observers	
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Snowfall (un-melted).	Precipitation of inch or more.	Clear.	Partly cloudy.	Cloudy.		Prevailing direction of wind.
Antioch	Contra Costa	46	41	52.6	+6.1	73	19	39	8	24	0.25	-2.24	0.15	0	2	23	4	n.	C. G. McDaniel.	
Atascadero	San Luis Obispo	837	4	46.0		75	24	15	11	48	0.54	0.53	0	2	9	20	2	sw.	Colony Holding Corp.	
Bakersfield	Kern	404	31	47.6	+0.2	73	20	24	8	40	0.51	-1.20	0.38	0	2	12	3	se.	Santa Fe Co.	
Barstow	San Bernardino	2,105	17	46.2	-1.6	66	18	20	9	35	0.16	-0.46	0.16	0	1	21	10	0	w.	E. L. White.
Berkeley	Alameda	317	33	50.9	+3.4	76	17	33	14	31	0.83	-4.55	0.56	0	3	22	4	5	n.	State University.
Blue Canon	Placer	4,695	21	42.0	+3.7	62	16	30	6	18	1.99	-14.58	1.07	4.0	3	26	1	4	se.	Southern Pacific Co.
Blythe	Riverside	268	11	53.4		80	29	31	6	39	0.23	0.20	0	2	15	7	9	9	ne.	Palo Verde Water Co.
Bonita	San Diego	110	4	53.4		87	17	29	18	46	0.59	0.40	0	4	12	13	6	w.	R. M. Allen.	
Branscomb	Meudocino	2,000	20	51.2	+8.3	82	18	25	10	47	0.31	-18.85	0.21	0	2	21	6	8	n.	A. J. Haun.
Brawley	Imperial	-105	10	55.4		81	17	33	10	41	0.90	0.72	0	2	19	6	2	w.	M. D. Witter	
Calexico	Butte	189	15	55.6	+1.9	81	17	33	10	41	0.88	+0.60	0.80	0	2	17	9	5	w.	H. M. Kousse.
Chico	Butte	189	50	48.8	+1.9	77	14	27	9	45	0.47	-4.73	0.33	0	2	20	9	2	n.	U. S. Bureau Plant Ind.
Chula Vista	San Diego	9	2	52.1		77	17	34	9	33	0.53	0.46	0	2	17	1	3	n.	Western Sales Works.	
Claremont	Los Angeles	1,200	28	52.6	+1.6	86	17	28	9	43	0.72	-11.50	0.12	0	4	22	4	5	n.	Prof. F. P. Brackett.
Cloverdale	Sonoma	340	18	51.0	+3.6	78	17	28	12	44	0.33	-8.53	0.76	2.0	2	27	1	3	n.	John O. Ogle.
Colfax	Placer	2,421	49	50.2	+5.8	83	18	27	8	39	1.48	-3.34	0.13	0	4	22	1	3	nw.	Southern Pacific Co.
Colusa	Colusa	60	17	48.8	+2.8	74	14	29	10	44	0.23	0.60	0	4	14	8	9	ne.	E. A. Houchins.	
Corona	Riverside	615	6	53.6		86	17	32	12	35	0.87	-1.50	1.70	0	6	19	3	9	se.	Edwin T. Brink.
Crescent City	Del Norte	125	6	48.0	+1.2	69	13	29	1	35	4.18	-3.76	0.26	0	2	16	9	6	n.	Thos. F. Paacock.
Davis	Yolo	51	48	47.0	-0.6	71	16	27	14	38	0.37	0.08	0	2	16	9	6	n.	Prof. S. H. Beckett.	
Dodge Land	Butte	125	2	48.0		74	14	27	10	43	0.09	0.60	0	2	17	0	14	n.	Dodge Land Co.	
Durham	Butte	160	25	49.1	+3.8	76	14	29	19	45	0.55	-5.62	0.35	0	2	25	3	2	n.	R. W. Durham.
El Cajon	San Diego	482	21	54.0	+0.7	90	17	26	10	50	0.70	-1.73	0.30	0	3	20	9	2	sw.	Engene P. Kessler.
Elsinore	Riverside	1,300	4	53.6		88	18	30	10	49	0.67	0.55	0	2	8	8	15	se.	W. L. Wilhite.	
Escondido	San Diego	742	26	54.3	+4.8	89	17	32	17	45	0.63	-3.23	0.30	0	5	10	6	15	w.	H. L. Harlow.
EUREKA	Humboldt	64	34	47.9	+1.0	66	13	32	7	30	1.87	-5.76	0.91	0	7	13	7	11	se.	U. S. Weather Bureau.
Folsom	Sacramento	252	47	50.6	+3.5	71	18	30	9	32	0.91	-2.51	0.40	0	3	17	0	14	e.	G. I. Marvin.
Fontana	San Bernardino	1,325	8	52.8		84	17	32	16	42	0.85	0.44	0	5	18	5	8	sw.	Fontana Land Co.	
Fort Bidwell	Modoc	4,375	31	35.4	+5.6	75	30	5	10	57	0.45	-3.61	0.18	0	3	17	5	9	n.	C. R. Decious.
FRESNO	Fresno	293	33	48.2	+2.8	72	17	26	11	31	0.69	-0.91	0.69	0	1	15	4	12	nw.	U. S. Weather Bureau.
Grass Valley	Nevada	2,690	48	49.4		78	17	29	6	34	1.64	-9.78	0.93	0	4	23	1	7	sw.	Mrs. L. M. Wentworth.
Greenland Ranch	Inyo	-178	9	51.2		70	14	32	12	35	0.60	0.60	0	1	17	0	14	n.	O. A. Denton.	
Hanford	Kings	249	20	46.0	-0.4	70	17	21	10	38	0.76	-1.25	0.68	0	3	13	0	18	n.	Santa Fe Co.
Hallsburg	Sonoma	110	27	48.9	+2.9	80	15	25	8	46	0.78	-9.27	0.35	0	3	14	13	4	n.	Dr. F. J. Kinley.
Healdsburg	San Benito	284	46	48.0	-0.8	77	17	23	9	40	0.11	-2.60	0.05	0	3	21	5	5	nw.	Graungers' Union.
INDEPENDENCE	Inyo	3,957	24	44.7	+4.2	71	16	24	9	31	0.05	-0.91	0.00	0	0	12	15	4	nw.	U. S. Weather Bureau.
Indio	Riverside	-20	42	56.8	+8.9	84	29	33	110	41	0.90	+0.19	0.95	0	2	10	15	6	se.	U. S. Bureau Plant Ind.
Inskip	Riverside	4,975	13	44.2		83	18	27	6	17	1.05	0.67	3.8	2	18	10	3	n.	Pacific Gas & Electric Co.	
Kennett	Butte	5,000	8	51.6		83	18	27	6	17	1.05	0.67	3.8	2	18	10	3	n.	Mammoth Copper Mine.	
La Porte	Plumas	5,000	26	35.7	+2.2	62	18	5	6	30	1.60	-16.60	1.08	2.5	3	23	5	3	n.	C. W. Hendel.
Lemon Cove	Tulare	600	25	49.7	-1.5	71	18	25	110	37	0.87	-2.26	0.58	0	3	16	6	9	nw.	T. E. Bencke.
Lick Observatory	Santa Clara	4,209	31	46.6	+4.7	70	19	26	16	28	0.63	-4.93	0.49	0	2	10	6	9	n.	Lick Observatory.
Lindsay	Tulare	384	6	46.8		74	18	21	11	44	1.14	1.14	0	1	13	8	10	nw.	Basil Prior.	
Lone Pine	Inyo	3,293	15	44.5	+4.8	67	31	24	7	36	0.00	-0.95	0.00	0	0	23	2	0	s.	G. P. Marsh.
LOS ANGELES	Los Angeles	9	43	56.6	+2.3	89	17	41	10	39	0.50	-2.34	0.27	0	3	12	9	10	se.	U. S. Weather Bureau.
McCloud	Siskiyou	3,270	10	40.0		71	19	13	9	46	0.30	0.18	T.	2	23	0	8	s.	McCloud River Lbr. Co.	
Marysville	Yuba	67	49	46.8	-1.6	66	26	28	110	36	0.60	-3.59	0.43	0	4	19	2	10	n.	Southern Pacific Co.
Mecca	Riverside	-185	14	55.2	+3.1	81	26	34	10	37	1.00	-0.03	0.78	0	4	12	15	4	se.	Cooperative Date Garden.
Merced	Merced	173	46	45.0	-2.0	70	17	20	111	41	0.42	-1.80	0.27	0	2	20	0	11	nw.	Santa Fe Co.
MOUNT TAMALPAIS	Marin	2,375	21	48.5	+2.6	71	18	29	1	23	0.38	-5.57	0.22	0	4	16	8	7	ne.	U. S. Weather Bureau.
Mount Wilson	Los Angeles	5,704	3	45.8		75	17	20	8	23	0.84	0.36	0	4	14	5	12	se.	Solar Observatory.	
Napa	Napa	20	43	47.8	+0.9	76	16	25	1	42	0.39	-4.75	0.27	0	2	23	3	5	ne.	State Hospital.
Needles	San Bernardino	477	28	50.7	-2.1	70	17	30	14	34	1.41	+0.96	1.10	0	4	11	4	16	w.	Santa Fe Co.
Nevada City	Nevada	2,850	28	44.6	+8.1	83	17	18	11	55	1.31	-10.00	0.69	0.5	4	19	11	1	w.	B. H. Preston.
Newman	Stanislaus	91	31	45.4	-2.3	71	16	18	10	41	0.21	-1.89	0.21	0	1	17	5	9	n.	E. S. Wengenheim.
Oakdale (near)	Stanislaus	215	2	46.8	+2.1	70	18	24	8	33	0.43	-2.66	0.27	0	3	17	5	9	n.	S. San Joaquin Irr. Dist.
Oakland	Alameda	322	44	50.2	+2.6	70	17	36	14	22	1.04	-4.01	0.74	0	3	16	7	8	s.	Chabot Observatory.
Ojai	Ventura	900	14	52.7	+1.1	91	17	26	10	53	0.60	-7.79	0.50	0	3	22	4	5	sw.	W. H. Duncan.
Orland	Glenn	254	38	49.5	+1.9	75	14	30	3	39	0.14	-3.77	0.12	0	3	16	3	12	n.	U. S. Rec. Service.
Orville (near)	Butte	250	36	49.2	+2.4	73	14	31	10	41	0.60	-5.62	0.30	0	3	17	1	13	nw.	Thomas Cole.
Pasadena	Los Angeles	808	30	52.6	-0.1	86	17	29	10	42	0.51	-3.62	0.32	0	4	18	8	5	sw.	Morris S. Jones.
Paso Robles-1	San Luis Obispo	800	33	48.0	+2.6	75	17	22	18	42	0.80	-2.66	0.48	0	4	13	7	11	sw.	Mrs. A. Z. Campbell.
Petaluma	Sonoma	9	6	47.4		77	16	24	19	44	0.24	-4.93	0.19	0	2	19	7	5	s.	John Landis.
Placeville	El Dorado	1,925	31	46.8	+5.2	80	18	20	8	49	1.25	-6.98	0.75	0	3	19	4	8	w.	U. S. Weather Bureau.
POINT REYES	Marin	490	28	51.3	+1.8	78	18	37	2	25	1.19	-4.83	0.11	0	5	14	9	8	sw.	J. E. Adamson.
Pomona	Los Angeles	467	6	50.8		85	17	25	15	49	0.68	0.45								

Daily Temperature for January, 1920.

Table with 32 columns (Stations, 1-31, Mean) and 45 rows of temperature data for various California locations like Bakersfield, Calexico, Chico, etc.

SUPPLEMENTAL PRECIPITATION TABLE.

Table with 10 columns (Stations, Watersheds, Precip. inches) and 100 rows of precipitation data for various California locations.

* Data obtained from 3-inch rain gage.

SNOWFALL IN THE MOUNTAINS.

At the close of December, 1919, the higher portions of the Sierra Nevada Mountains were snow-covered, but there was little snow on the ground below the 5,000-foot level. Except on the higher peaks, there was no snow in the Coast Ranges or in the mountains of southern California.

Little snow fell anywhere in California during January. Practically no snow fell below the 5,000-foot level in the Sierras, while above that level the snowfall was less than 25 per cent of the normal. The greatest snowfall in the State was but 24 inches, at Tamarack, Alpine County, altitude 8,000 feet. The normal January snowfall at that place is 187 inches. At Summit, Placer County, altitude 7,017 feet, the total snowfall was but 20 inches, whereas the January normal is 79 inches. At every station in the Sierras from which reports were received, the snow on the ground at the close of January was less than that at the close of the preceding month, an extraordinary condition.

Snowfall was also markedly deficient in the Coast Ranges and in the elevated portions of southern California. The peaks were snow-covered on several occasions, but little unmelted snow was to be found at the close of January.

The marked deficiency in snowfall has become serious. There has been no appreciable run-off from melting snow during the winter, and most streams have maintained the lowest stages ever recorded during January, the month which usually marks the middle of the rainy season. Even if the normal precipitation is received during the remainder of the present rainy season there will be an inevitable shortage of water for irrigation and power purposes during the coming dry season. The past three years have brought deficient precipitation throughout the State. As a result, the reserve supply of water in storage reservoirs is largely depleted. Moreover, the ground water in most agricultural regions has receded to an abnormally low level. Measures favoring the utmost conservation of water are demanded by the present conditions.

A. H. P.

COMPARATIVE SNOWFALL DATA FOR JANUARY.

(Amount on the Ground.)

	FORDYCE DAM.			SUMMIT.			TAMARACK.		
	1st.	15th.	End of mo.	1st.	15th.	End of mo.	1st.	15th.	End of mo.
1907.....	58	106	94	45	142	148	125	175	180
1908.....	69	63	68	87	72	87	75	94	104
1909.....	25	68	107	28	90	172	35	150	190
1910.....	60	78	67	54	87	68	72	96	106
1911.....	0	99	124	4	136	215	24	130	310
1912.....	49	39	59	60	46	41	44	50	55
1913.....	28	73	78	17	79	38	40	98	118
1914.....	63	95	107	80	132	192	116	178	274
1915.....	30	59	67	24	56	80	26	50	116
1916.....	54	140	161	44	173	215	62	153	203
1917.....	37	68	73	79	74	85	87	82	65
1918.....	0	15	8	0	26	2	8	25	20
1919.....	22	24	44	16	10	42	30	22	35
1920.....	34	33	32	37	43	32	28	28	20

T. means trace.

Snowfall Data. [In inches.]

WATERSHED, COUNTY, STATION.	Elevation, feet.	Total snow-fall.	Compr'd with normal.	Am't on ground 15th.	Am't on ground end mo.
Klamath Watershed.					
<i>Siskiyou County.</i>					
Yreka.....	2,625	0	.....	0	0
<i>Trinity County.</i>					
Hayfork.....	2,300	T.	.....	T.	0
Ruth.....	2,925	.....	.....	.....	.....
Weaverville.....	2,162	0	.....	0	0
Mountain Lakes.					
<i>Inyo County.</i>					
Bishop Creek.....	8,390	T.	-52	0	0
Independence.....	3,907	0	.....	0	0
Lone Pine.....	3,723	0	.....	0	0
<i>Lassen County.</i>					
Madeline.....	5,270	.....	.....	.....	.....
Standish.....	4,000	2	.....	0	0
<i>Modoc County.</i>					
Alturas.....	4,400	.....	.....	.....	.....
Cedarville.....	4,675	2	-13	0	0
Fort Bidwell.....	4,375	0	.....	0	0
<i>Nevada County.</i>					
Grass Valley.....	2,690	0	.....	0	0
Nevada City.....	2,850	T.	-9	0	0
North Bloomfield.....	3,214	0	-15	0	0
Truckee.....	5,817	T.	.....	0	0
<i>Placer County.</i>					
Tahoe.....	6,230	8	.....	30	28
Sacramento Watershed.					
<i>Butte County.</i>					
De Sable.....	2,500	0	-18	0	0
Inskip.....	4,975	4	-74	12	T.
West Branch.....	3,216	2	-44	0	0
<i>Nevada County.</i>					
Deer Creek.....	3,700	2	-62	T.	T.
Fordyce Dam.....	6,500	11	-87	33	32
Lake Spaulding.....	4,600	7	-51	6	T.
<i>Placer County.</i>					
Blue Canon.....	4,695	4	-50	0	0
Emigrant Gap.....	5,230	8	-46	3	0
Summit.....	7,017	20	-59	43	32
<i>Plumas County.</i>					
Canon Dam.....	4,570	1	.....	12	8
Chester.....	4,550	1	-73	12	6
La Porte.....	5,000	2	-61	15	3
Portola.....	4,832	4	.....	1	0
Quincy.....	3,400	T.	-29	T.	T.
<i>Sierra County.</i>					
Downieville.....	3,150	T.	-35	0	0
Serraville.....	5,000	4	-46	6	0
<i>Siskiyou County.</i>					
McCloud.....	3,270	T.	-62	T.	0
Sisson.....	3,555	1	-36	0	0
<i>Yuba County.</i>					
Camptonville.....	3,500	2	-30	0	0
San Joaquin Watershed.					
<i>Alpine County.</i>					
Markleeville.....	5,525	1	.....	0	0
Tamarack.....	8,000	24	-163	28	20
Twin Lakes.....	7,970	.....	.....	.....	.....
<i>Calaveras County.</i>					
Calaveras Ranger Station.....	3,400	.....	.....	.....	.....
<i>Fresno County.</i>					
Camp Seven.....	6,980	4	.....	16	16
Cascada.....	4,900	0	.....	0	0
Hume.....	3,300	.....	.....	.....	.....
Huntington Lake.....	6,950	8	.....	16	9
Stevenson Creek.....	4,250	T.	.....	0	0
<i>Kern County.</i>					
Glennville.....	3,300	0	-4	0	0
<i>Mariposa County.</i>					
Glacier Point.....	.....	9	.....	22	20
Yosemite.....	3,945	1	-38	1	0
<i>Tulare County.</i>					
Hot Springs.....	3,300	0	-2	0	0
Springville.....	4,000	T.	-15	0	0
<i>Tuolumne County.</i>					
Hetch Hetchy.....	3,665	1	-10	0	0
Lake Eleanor.....	4,700	1	-50	T.	T.
Mountains of Southern California.					
Cuyamaca.....	4,677	2	-6	0	0
Julian.....	4,222	1	.....	0	0
Mount Wilson.....	5,704	0	.....	T.	0
Nellie.....	5,350	T.	.....	0	0
Seven Oaks.....	5,000	3	-11	0	0
Squirrel Inn.....	5,280	.....	.....	.....	.....