

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU  
CHARLES F. MARVIN, Chief

# CLIMATOLOGICAL DATA

4 CALIFORNIA SECTION  
EDWARD H. BOWIE, METEOROLOGIST

Vol. XXXV SAN FRANCISCO, JULY, 1931 No. 7

## GENERAL SUMMARY

The weather in California during July progressed without decided changes but several of its features were markedly abnormal. Clear skies were prevalent during the forepart of the month, but during the latter part the usual summer fogs and night cloudiness prevailed over the coastal regions, while occasional cloudiness occurred over the interior portions of the State. As practically cloudless skies are usual during the summer months over the interior portions of California, there were no decided departures from the normal percentage of sunshine in these regions, but due to the infrequency of summer fogs in the north coast section during the forepart of the month, the amount of sunshine received in that section was considerably above the July average. Relatively few thunderstorms occurred in the mountain districts in the northern portion of the State. Wind movement in the interior was greater than usual during July.

The most marked feature of the month's weather was the prolonged period of high temperatures which continued practically without interruption except in the coastal regions during the latter part of the month. Records of high temperature were equaled or approximated at a number of stations, and records were exceeded at a few stations in northern California. At the majority of stations both the mean maximum and the mean minimum temperatures were from 5 to 10 degrees above normal, the exceptions being confined mostly to scattered stations in the coastal region.

Precipitation for the State averaged less than half the normal. The measurable amounts occurred generally in the southern Sierra and the desert regions, as did the greater number of thunderstorms during the month. The unusual infrequency of thunderstorms in other portions of the State was responsible for the deficiency in precipitation.

C. A. C.

## PRESSURE

The mean sea-level pressure, determined from the records of 9 regular Weather Bureau stations, was 29.80 inches. The highest was 30.20 inches at Eureka on the 1st, the lowest was 29.52 inches at Red Bluff and on the 23rd; the range for the State was 0.68 inch.

## TEMPERATURE

The monthly mean temperature for the State, as shown by the records of 193 stations was 77.2°, which is 4.2° above the normal.

The highest monthly mean was 102.4°, at Greenland Ranch; and the lowest was 55.3° at Point Reyes.

The highest temperature, 126°, occurred at Greenland Ranch on the 11th, and the lowest, 30° occurred at Madeline on the 1st and Fortola on the 30th.

The range for the State was 96°.

## PRECIPITATION

The average precipitation for the State, as shown by the records of 255 stations, was 0.64 inch, or 0.05 inch below the normal.

The greatest monthly amount was 1.48 inches, at Lake Sebrina; and the least monthly amount was 0.00, at 182 stations.

The greatest amount in 24 hours was 0.68 inch at Cuyamaca on the 27th.

## RELATIVE HUMIDITY, SUNSHINE AND WIND

Wind movement by 3 cup Anemometer since January 1, 1928

Stations	Relative Humidity Per cent				Sunshine		Total mov. for month	Average hour velocity	Maximum velocity	Direction	Date	Prev. dir.
	5 a. m.	5 p. m.	Mean	Noon	Actual No. of hours	Percent of possible						
Eureka.....	92	77	84	79	331	72	4.445	6.0	27	n.	2	nw.
Fresno.....	39	12	26	18	434	97	5.183	7.0	20	nw.	14	nw.
Los Angeles.....	84	59	72	52	308	84	2.949	4.0	15	w.	25	sw.
Red Bluff.....	41	13	27	18	448	98	3.671	5.0	22	nw.	3	s.
Redding.....	33	11	22	16	.....	.....	5.432	7.3	.....	.....	.....	nw.
Sacramento.....	68	24	46	40	430	95	5.717	7.7	18	sw.	14	s.
San Diego.....	87	73	80.	72	272	62	3.714	5.0	16	s.	9	sw.
San Francisco.....	85	64	74	60	370	82	5.470	7.4	25	nw.	14	sw.
San Jose.....	.....	43	.....	44	412	92	3.815	5.1	18	nw.	1	nw.

## COMPARATIVE STATE DATA FOR JULY

Year	Mean temp.	Departure	Highest	Lowest	Precipitation	Departure	Year	Mean temp.	Departure	Highest	Lowest	Precipitation	Departure
1897.	74.5	+ 1.5	124	21	0.01	-0.08	1915.	72.7	- 0.3	120	29	0.06	-0.09
1898.	81.4	+ 8.4	124	27	T.	-0.09	1916.	70.3	- 2.7	127	24	0.31	+0.22
1899.	77.9	+ 4.9	123	25	T.	-0.09	1917.	75.8	+ 2.8	125	23	0.08	-0.01
1900.	75.9	+ 2.9	126	30	0.03	-0.06	1918.	71.5	- 1.5	120	29	0.07	-0.02
1901.	76.0	+ 3.0	121	28	0.01	-0.08	1919.	72.4	- 0.6	122	23	0.09	0
1902.	72.8	- 0.2	122	17	0.07	-0.02	1920.	71.7	- 1.3	125	26	0.06	-0.03
1903.	71.2	- 1.8	121	15	T.	-0.09	1921.	74.0	+ 1.0	123	24	0.05	-0.04
1904.	72.2	- 0.8	117	23	0.09	0	1922.	73.4	+ 0.4	126	28	0.15	+0.06
1905.	74.8	+ 1.8	128	18	0.01	-0.08	1923.	71.4	- 1.6	123	29	0.05	-0.04
1906.	76.8	+ 3.8	120	27	0.04	-0.05	1924.	71.3	- 1.7	124	26	0.01	-0.08
1907.	78.1	+ 0.1	123	28	0.03	-0.06	1925.	73.9	+ 0.9	125	27	0.15	+0.06
1908.	76.4	+ 3.4	119	34	0.04	-0.05	1926.	74.0	+ 1.0	125	26	0.07	-0.02
1909.	71.2	- 1.8	117	26	0.05	-0.04	1927.	73.5	+ 0.5	125	22	0.05	-0.04
1910.	75.5	+ 2.5	119	22	0.10	+0.01	1928.	72.1	- 0.9	125	26	0.01	-0.08
1911.	74.1	+ 1.1	117	28	0.10	+0.01	1929.	72.9	- 0.1	123	30	0.01	-0.08
1912.	71.0	- 2.0	118	23	0.06	-0.03	1930.	72.3	- 0.4	122	32	0.02	-0.07
1913.	73.1	+ 0.1	134	22	0.46	+0.37	1931.	77.2	+ 4.2	126	30	0.04	-0.05
1914.	72.4	- 0.6	122	23	0.06	-0.03							

MONTHLY NORMALS. Temperature, 73.0°; Precipitation, 0.09, inch

## Daily evaporation (inches) and wind movement (miles) for July (See temperature and precipitation data on the following pages)

Stations	Data	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	
Alvarado(nr)**	Evaporation.....	290	297	268	458	273	254	271	253	279	272	340	300	270	287	298	208	252	230	256	235	230	239	310	252	286	287	247	225	163	244	203	8,284
	Wind movement.....	122	128	80	115	110	127	158	132	160	133	85	140	92	140	160	90	128	92	238	50	102	160	140	158	150	130	170	112	150	108	4,000	
Chula Vista ***	Evaporation.....	280	256	283	292	272	228	221	209	266	277	281	296	231	258	231	250	277	200	210	246	290	265	268	239	282	276	299	295	294	290	286	8,228
	Wind movement.....	67	70	90	108	99	85	79	65	91	91	60	89	65	73	76	59	104	84	57	72	77	75	87	95	80	107	85	75	78	66	77	2,486
FallRiverMill***	Evaporation.....	432	404	476	462	516	520	329	439	517	456	404	493	543	435	407	393	444	483	484	543	515	538	484	407	538	515	451	489	555	293	446	14,470
	Wind movement.....	60	39	52	80	62	123	19	77	89	76	53	77	114	107	76	59	69	43	53	78	75	76	60	51	88	77	83	66	74	37	61	2,154
Lodi.....	Evaporation.....	460	510	620	520	530	510	460	360	510	490	590	450	450	420	400	350	380	480	530	460	310	450	440	450	460	440	520	420	390	290	380	13,940
	Wind movement.....	60	79	34	39	45	78	109	66	75	61	46	42	52	64	65	65	55	55	73	68	68	48	40	51	65	50	73	80	63	49	95	1,917
Oakdale (near)*	Evaporation.....	548	495	563	673	591	485	593	502	566	622	578	552	543	522	444	441	500	536	546	604	637	618	623	497	582	592	609	574	525	328	356	16,750
	Wind movement.....	135	140	140	140	110	139	160	200	160	90	180	105	135	150	220	150	160	115	135	155	155	130	130	135	110	105	140	150	130	150	150	4,375
Tahoe****	Evaporation.....	180	180	220	220	200	220	200	190	220	270	290	200	240	270	250	260	210	210	220	280	260	260	180	240	260	270	270	260	290	260	260	7,260
	Wind movement.....	29	20	30	19	17	30	34	31	28	50	50	26	35	49	55	43	31	24	25	22	34	27	23	20	26	32	33	36	39	45	36	1,009

\* Observations taken at 7 a. m.; \*\* at 7:20 a. m.; \*\*\* at 7:30 a. m.; \*\*\*\* at 8:00 a. m. Included in the next following entry.

Climatological Data for July, 1931

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation, in inches				Number of days				Prevailing direction of wind	Observers	
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Snowfall (unmelted)	With precip., 0.01 in. or more	Clear	Partly cloudy	Cloudy			
Alvarado (near)	Alameda	3	7	65.0		99	4	53	1	34	0	0	0	0	31	0	0	nw.	Leslie California Salt Co.		
Amago	San Diego	2,715	17	74.2	+ 5.2	92	8	62	78	30	T.	-0.21	T.	0	23	0	0	w.	Ben Amago		
Amos	Imperial	255	52																Southern Pacific Co.		
Angiola	Tulare	205	31	87.6	+ 7.2	115	24	45	1	450	0	0	0	0	0	0	0	0	Santa Fe Co.		
Antioch	Contra Costa	46	52			114													G. W. Vanderbunt		
Ash Mountain	Tulare	1,600	5	88.6		113	25	61	1	89	T.	0	T.	0	30	1	0	w.	Supt. National Park		
Auberry	Fresno	15	85.0		+ 5.4	110	25	51	15	50	0	-0.06	0	0	25	6	0	ne.	San Joaquin & Eastern Ry.		
Auburn	Placer	1,360	60	82.8	+ 5.5	106	25	53	15	36	0	0	0	0	26	5	0	nw.	Southern Pacific Co.		
Avalon	Los Angeles	30	20	73.4	+ 6.9	92	28	59	1	19	0	0	0	0	18	7	0	e.	T. M. Polhanus		
Bakersfield	Kern	404	42	89.7	+ 8.3	117	26	61	1	42	0	-0.02	0	0	24	7	0	0	Santa Fe Co.		
Barrett Dam	San Diego	1,600	15	80.4	+ 5.2	107	27	53	1	41	0.25	+0.17	0.14	0	2	29	1	1	s.	Supt. Barrett Dam	
Berkeley	Alameda	299	44	62.5	+ 0.5	92	3	52	17	35	T.	-0.02	T.	0	16	9	0	6	State University		
Betteravia	Santa Barbara	155	18	66.4	+ 2.1	91	10	40	1	44	0	0	0	0	31	0	0	0	Union Sugar Co.		
Big Creek	Fresno	4,900	15	78.4	+ 5.7	99	25	60	11	28	0	-0.08	0	0	0	20	11	0	San Joaquin & Eastern Ry.		
Bishop Creek	Inyo	8,390	20	65.8	+ 5.6	85	19	40	4	36	0.89	+0.46	0.60	0	4	19	7	5	Philip Huber		
Blue Canyon	Placer	4,695	32	70.7	+ 6.5	94	20	46	3	39	0	-0.08	0	0	27	1	3	0	Mrs. K. M. Bartlett		
Blythe	Riverside	268	22	96.2	+ 6.0	117	24	75	5	41	0.02	-0.33	0.02	0	1	21	9	1	sw.	Palo Verde Water Co.	
Bonita	San Diego	110	15	73.8	+ 3.3	91	21	55	1	81	T.	0	T.	0	21	10	0	0	R. M. Allen		
Bowman Dam	Nevada	5,347	4	69.6		94	19	40	14	68	0	-0.19	0	0	20	11	0	0	F. J. Wilson		
Brawley	Imperial	-119	9	93.2	+ 3.6	118	2	70	17	41	0	-0.14	0	0	31	0	0	0	E. P. Crane		
Brooks	Yolo	350	9	85.8	+ 3.6	115	18	50	16	56	0	0	0	0	31	0	0	0	Earl Smith		
Camptonville (near)	Yuba	3,500	24	73.0	+ 2.3	102	19	42	13	42	0	-0.06	0	0	30	0	1	n.	Pacific Gas & Electric Co.		
Canyon Dam	Plumas	4,570	17	70.4	+ 2.3	102	19	42	1	48	T.	0	T.	0	27	3	1	s.	Great Western Power Co.		
Cedarville	Modoc	4,675	36	78.0	+ 7.7	108	20	48	1	48	T.	0	T.	0	21	9	0	0	T. H. Johnstone Co.		
Centerville P. H.	Butte	490	16	84.8	+ 10.6	116	19	54	15	52	0	-0.07	0	0	31	0	0	0	Pacific Gas & Electric Co.		
Chico	Butte	189	60	84.0	+ 5.1	112	26	53	16	47	0	-0.04	0	0	30	0	0	0	U. S. Bureau Plant Ind.		
China Flat	Humboldt	600	22	73.2	- 0.1	108	19	47	3	57	0	-0.14	0	0	31	0	0	0	O. J. Westenburg		
Chula Vista	San Diego	9	11	72.2	+ 5.7	84	12	61	1	17	0.02	+0.02	0.02	0	1	22	6	3	nw.	Western Salt Works	
Claremont	Los Angeles	1,196	39	79.5	+ 5.7	107	25	54	2	41	0	-0.02	0	0	28	3	0	0	Prof. F. P. Brackett		
Clear Lake	Lake	1,350	7																J. C. Crocker		
Cliff Camp	Fresno	6,150	8	69.7		94	20	39	13	51	T.	0	T.	0	2	10	0	0	San Joaquin L. & P. Co.		
Cloverdale	Sonoma	340	29	75.8	+ 5.0	108	13	49	17	51	0	-0.04	0	0	31	0	0	0	John O. Ogle		
Clovis (near)	Fresno	409	14	87.0	+ 5.2	116	26	56	1	47	0	0	0	0	24	4	3	nw.	W. A. Bootsma		
Coalinga	Fresno	663	18	88.3	+ 7.0	119	26	53	30	63	0	-0.11	0	0	30	0	1	ne.	Union Oil Co.		
Colfax	Placer	2,421	60	83.4	+ 8.6	105	14	56	15	85	0	-0.05	0	0	30	1	0	n.	Southern Pacific Co.		
Colusa	Colusa	60	27	88.4	+ 6.6	111	19	52	16	50	0	-0.02	0	0	30	0	1	se.	G. H. Lamphere		
Corona	Riverside	1,049	17	80.0	+ 4.3	110	25	55	1	44	0	-0.03	0	0	31	0	0	0	Edward Davis		
Crescent City	Del Norte	125	32	69.4	+ 5.6	100	4	42	22	50	0	-0.40	0	0	29	2	0	0	nw.	Calif.-Hawaiian Sugar Co.	
Crockett	Contra Costa	12	12	70.3	+ 4.3	97	13	54	31	34	0	-0.01	0	0	30	1	0	0	Thos. E. Peacock		
Cuyamaca	San Diego	4,677	32	77.4	+ 8.5	96	13	48	1	42	0.68	+0.25	0.68	0	1	30	1	0	sw.	California Hawaiian Sugar Co.	
Davis	Yolo	51	69	79.4	+ 4.8	111	6	47	16	55	0	-0.01	0	0	26	5	0	0	University Farm		
Deer Creek	Nevada	3,700	23	71.0	+ 5.4	100	3	42	11	53	0	-0.06	0	0	29	2	0	0	nw.	Pacific Gas & Electric Co.	
Del Monte	Monterey	40	3	61.9		94	3	46	1	43	0	0	0	0	17	9	5	sw.	Del Monte Properties Co.		
Denair	Stanislaus	126	31	82.5	+ 6.1	111	25	53	16	48	0	0	0	0	31	0	0	0	Santa Fe Co.		
De Sable	Butte	2,700	27	78.0	+ 5.8	107	18	45	1	55	T.	-0.02	T.	0	31	0	0	0	n.	Pacific Gas & Electric Co.	
Dinkey Meadow	Fresno	5,440	9	66.9		100	26	34	76	58	T.	0	T.	0	21	10	0	0	San Joaquin L. & P. Co.		
Dobbins (near)	Yuba	1,650	27	83.4	+ 4.8	110	4	56	1	43	T.	-0.03	T.	0	27	3	1	nw.	Pacific Gas & Electric Co.		
Doyle	Lassen	4,300	8	77.3		111	21	41	16	57	0.07	0.07	0	0	1	26	4	1	s.	Reay MacKay	
Dudley	Kings	595	19	89.7	+ 4.0	114	23	62	12	43	0	-0.03	0	0	0	0	0	0	Union Oil Co.		
Dudley's	Mariposa	3,000	20	73.6	+ 6.2	106	26	33	11	62	0	-0.02	0	0	31	0	0	0	nw.	Mrs. A. D. McLean	
East Park	Colusa	1,205	50	81.6	+ 4.8	111	26	51	9	51	0	-0.02	0	0	0	31	0	0	0	U. S. Reclamation Service	
El Cajon	San Diego	560	32	75.6	+ 2.6	100	4	52	11	42	0.02	-0.06	0.02	0	1	26	3	2	sw.	E. V. Clark	
Electra	Amador	699	26	83.2	+ 5.0	112	4	52	15	48	0	0	0	0	29	6	0	0	nw.	Pacific Gas & Electric Co.	
Elery Lake	Mono	9,600	6	58.6		118	19	33	1	33	0.14	0.06	0.06	0	3	19	6	0	nw.	Southern Sierra Power Co.	
Esccondido	Riverside	1,800	44	82.4	+ 4.1	112	25	54	6	52	0	-0.10	0	0	14	17	0	0	se.	A. G. Johnson	
Escondido - 1	San Diego	750	37	76.0	+ 3.9	98	27	55	1	39	T.	-0.04	T.	0	0	27	4	0	w.	A. P. Hubbard	
EUREKA	Humboldt	62	44	56.6	+ 1.1	76	4	48	27	24	0.01	-0.11	0.01	0	1	13	5	0	nw.	U. S. Weather Bureau	
Fairmont	Los Angeles	3,036	9	85.6		106	26	64	14	27	0.08	-0.04	0.08	0	1	29	2	0	sw.	G. Kelsey	
Fall River Mills (near)	Shasta	3,340	7	73.1		103	18	40	15	51	0	0	0	0	31	0	0	0	sw.	Mt. Shasta Power Co.	
Folsom	Sacramento	252	42	83.4	+ 3.8	113	27	54	16	48	0	-0.01	0	0	27	2	2	0	e.	Pacific Gas & Electric Co.	
Fontana	San Bernardino	1,325	16	81.4	+ 7.0	108	25	54	10	47	0	-0.02	0	0	29	2	0	0	sw.	Frank B. Williams	
Fort Bidwell	Modoc	4,735	42	74.8	+ 6.5	105	20	44	1	44	0.04	-0.26	0.04	0	1	16	10	5	0	0	C. R. Deicius
FRESNO	Fresno	327	43	87.6	+ 5.5	113	26	60	16	39	T.	-0.01	T.	0	28	3	0	0	nw.	U. S. Weather Bureau	
Gem Lake	Mono	9,120	6	66.4		91	19	46	1	36	T.	0	T.	0	20	11	0	0	sw.	Southern Sierra Power Co.	
Giant Forest	Tulare	6,350	21	70.4		90	21	48	1	34	0.01	0.01	0	0	1	21	6	4	nw.	Supt. National Park	
Glennville (near)	Nevada	3,300	22	79.3	+ 7.6	108	26	55	1	37	0	-0.11	0	0	27	2	2	0	w.	M. J. Dwyer	
Grass Valley	Nevada	2,690	22	85.7	+ 11.7	106	14	50	15	33	0	-0.05	0	0	29	2	0	0	sw.	E. J. Barnard	
Graton	Sonoma	190	35	68.6	+ 0.9	102	4	43	27	52	0	-0.04	0	0	31	0	0	0	sw.	I. H. Parnell	
Greenland Ranch	Inyo	-178	19	102.4	+ 0.9	126	19	70	130	50	0	-0.06	0	0	26	0	0	0	sw.	E. H. Parnell	
Hanford																					







Daily Precipitation for July, 1931—Continued

Stations	Drainage-basin	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			
Ruth (near)	Coast							T																									0			
SACRAMENTO***	Sacramento																															T	0			
St. Helena	Coast																																0			
St. John	Sacramento																																0			
Salinas	Salinas																																0			
San Bernardino	Coast																																0			
San Clemente	do																																0			
SAN DIEGO***	do																				T			T									T	0		
San Fernando	do																																	0		
SAN FRANCISCO***	do																										T							T	0	
San Jacinto	do																										26							0		
SAN JOSE***	do																																	0		
San Luis Obispo	do																																	T	0	
San Pedro	do																																		0	
Santa Ana	do																																		0	
Santa Ana River	do																										.02	.15		T					0.17	
Santa Barbara	do																																		0	
Santa Clara	do																																		0	
Santa Cruz	do																																		0	
Santa Maria	do					.01																													0.01	
Santa Rosa	do																																		0	
Scottia	do																																		0	
Scott Bar	Klamath																																		0	
Seriterre	Sacramento										T																								0	
Seven Oaks	Coast																																		0	
Shield's Ranch	Walker																																		0	
Sierra Madre	Coast																																			0
Sierraville	Sacramento																																			0
Soda Springs	do																																			0
Sonora	San Joaquin																																			0
South Lake	Owens						T																													0
Spreckels	Salinas																																			0
Springville (near)	San Joaquin																																			0
Squirrel Inn	Coast																																			0
Steele Swamp	Klamath																																			0
Stockton-1	San Joaquin																																			0
do -2	do																																			0
Stony Gorge Res.	Sacramento																																			0
Sunnyvale	Coast																																			0
Susanville	Mountain Lakes																																			0
Tahoe	do																																			0
Tehachapi	San Joaquin																																			0
Tejon Rancho	do																																			0
Three Rivers	do																																			0
Trona	Desert																																			0
Turlock	San Joaquin																																			0
Tustin (near)	Coast																																			0
Twin Lakes	Mountain Lakes																																			0
Ukiah	Coast																																			0
Upper Mattole	do																																			0
Vacaville	do																																			0
Ventura	do																																			0
Visalia	San Joaquin																																			0
Volta	Sacramento																																			0
Wallace	do																																			0
Walnut Creek	Coast																																			0
Warner Springs	do																																			0
Wasco	San Joaquin																																			0
Watsonville	Coast																																			0
Weaverville	Trinity																																			0
West Branch	Sacramento																																			0
Westhaven	San Joaquin																																			0
West Point	do																																			0
Westwood	Sacramento																																			0
Willows	do																																			0
Woodland	do																																			0
Wrights	Coast																																			0
Yorba Linda	do																																			0
Yosemite	San Joaquin																																			0
Yreka	Klamath																																			0

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. \*\*\* Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight.  
 ||| Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. \* Precipitation included in the next following measurement. † Separate dates of fall not recorded. T, trace, or less than 0.01 inch

DATES OF MISCELLANEOUS PHENOMENA

**THUNDERSTORMS.**—Amago, 27, 28; Baker, 13; Barrett Dam, 18, 27; Bishop Creek, Doyle, Independence, 24, 25; Blythe, almost every night; Bonita, Chula Vista, 26, 27; Ellery Lake, 3, 4, 20, 21, 22, 24; Giant Forest, 21, 22; Imperial, 21; Indio, 13, 27; Kingston, San Bernardino, 26; Lake Sebrina, 3, 24, 25, 27; Mill Creek-2, San Diego, 27; Riverside, Tehachapi, 25; Santa Ana River, 25, 26; Sierraville, 23; Squirrel Inn, 20, 22, 26; Tahoe, 23, 24; Three Rivers, 20, 22, 23, 24; Trona, 20; Warner Springs, 10.

OBSERVERS' NOTES

**BISHOP CREEK.**—Almost all of the rain on the 24th, (0.60) fell in less than 30 minutes and caused some damage to the roads. Phil Huber

**BLYTHE.**—The minimum temperature on the 25, 91°, was the



Daily Temperature for July, 1931

Table with columns for Stations, Day of Month (1-31), and Mean. Rows list 50 stations: Auburn, Bakersfield, Blythe, Chico, Cloverdale, Colusa, Del Monte, Elsinore, Escondido-1, Eureka, Fort Bidwell, Fresno, Grass Valley, Hanford, Hollister, Imperial, Indio, King City, Lemon Cove, Los Angeles, Los Gatos, McCloud, Marysville, Merced, Modesto, Needles, Oakland, Orland, Oroville (near), Paso Robles, Placerville, Pomona, Porterville, Quincy, Red Bluff, Redlands, Sacramento, San Bernardino, San Diego, San Francisco, San Jose, San Luis Obispo, Santa Barbara, Santa Rosa, Sonora, Stockton-1, Vacaville, Weaverville, Yosemite, Yreka.

# Location of Co-operative and Other Stations in California

