

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

CALIFORNIA SECTION.

G. H. WILLSON, District Forecaster.

VOL. XVIII. SAN FRANCISCO, JULY, 1914. No. 7.

GENERAL SUMMARY.

With regard to temperature and precipitation, July, 1914, was very nearly a normal month; the temperature being slightly lower than the normal and the precipitation slightly greater. There was more than the usual number of foggy days along the coast, and the fog was denser and more disagreeable than usual, at times amounting to a heavy mist. In the northern part of the State most of the rain fell during the first decade, while in the central and southern sections the rainiest period was from the 14th to the 21st. Thunderstorms, with light rain were scattered throughout the month.

As a whole, the weather was favorable to agriculture, though some damage was done to the prune crop through the cracking open of the fruit before harvesting. Large crops of fruit, hay and grain are being harvested all over the state. The prevailing winds were from the south and there were but few days with drying north winds in the valleys.

There were no marked warm or cool periods during the month, although in most sections of the state, the maximum temperatures occurred from the 1st to the 15th, and the minimum temperatures from the 15th to the 31st.

All the snow is gone except on the highest mountains, but the water supply is normal.

PRESSURE.

The monthly mean atmospheric pressure for the State, reduced to sea-level, was 29.96 inches.

The highest was 30.18 inches at Eureka on the 31st.

The lowest was 29.67 inches at Red Bluff on the 25th.

The range for the State was 0.51 inch.

TEMPERATURE.

The monthly mean temperature for the State was 72.4 degrees, which is 1.6 degrees below the normal.

The highest monthly mean was 101.6 degrees at Greenland Ranch.

The lowest monthly mean was 53.8 degrees at Point Reyes.

The highest temperature, 122 degrees, occurred at Greenland Ranch on the 8th.

The lowest temperature was 28 degrees at Greenville on the 9th and other dates.

The range for the State was 94 degrees.

PRECIPITATION.

The average precipitation for the State was 0.06 inch or 0.02 inch above the normal.

The greatest monthly amount was 3.75 inches at Nellie while none occurred at 70 stations.

The greatest amount in 24 hours was 3.75 inches at Nellie on the 30th.

RELATIVE HUMIDITY.

The mean relative humidity from observations taken at 5 a. m. and 5 p. m., for each of the regular Weather Bureau stations, was as follows: Eureka 90; Fresno 36; Independence 40; Los

Angeles 80; Mount Tamalpais 46; Red Bluff 38; Sacramento 61; San Diego 82; San Francisco 88; San Jose 73; San Luis Obispo 76.

WIND.

The prevailing direction of the wind was south.

SUNSHINE AND CLOUDINESS.

At Eureka there were 148 hours of sunshine during the month or 32 per cent of the possible; at Fresno 447 hours or 96 per cent; at Los Angeles 303 hours or 69 per cent; at Mount Tamalpais 432 hours or 96 per cent; at Red Bluff 428 hours or 94 per cent; at Sacramento 414 hours or 92 per cent; at San Diego, 280 hours or 64 per cent; at San Francisco 209 hours or 46 per cent; at San Jose 339 hours or 76 per cent; at San Luis Obispo 292 hours or 66 per cent.

MISCELLANEOUS PHENOMENA.

Thunderstorms.—Alturas, 2-4, 19; Angels Camp, 18; Big Bar, 1-5, 20-22; Bridgeport, 26; Buck Creek, 1-3, 19; Cabuilla, 15, 26; Caliente, 16; Campo, 31; Chester, 1, 8, 19; China Flat, 2, 3; Colusa, 19; Converse Nursery, 9, 15, 16, 25, 30, 31; Covelo, 1-6; Crescent City, 2-4, 7; Deer Creek, 9; Dudleys, 18-20; Fresno, 17; Glennville, 17; Happy Camp, 1-3, 8; Hayfork, 1-6, 10, 11, 18; Hetch Hetchy, 18; Hornbrook, 7; Hullville (near), 3; Hume, 17, 18; Hyampom, 1-7, 10, 18; Independence, 17-22, 26, 27; Lake Eleanor, 18; Lemon Cove, 17; Lindsay, 16, 17; Livermore, 16, 17; Lone Pine, 20; Lookout, 1-4, 20; Lundy, 28; McCloud, 4, 20; McKinneys, 9; Madeline, 19-21; Markleeville, 9, 23; Montague, 2-5, 7, 19; Northfork, 18; Pilot Creek, 8; Red Bluff, 19; Ruth, 1-4, 6; Salinas, 16; Santa Cruz, 15; Seven Oaks, 15, 24, 25; Stockton, 18; Sulphur Banks, 1; Three Rivers, 16-19, 21, 22, 27, 31; Weaverville, 5; Weitchpec, 2, 3.

Earthquakes.—Livermore, 7.

OBSERVERS NOTES.

Alturas.—All crops are in excellent condition and yields are larger than usual.—C. B. Towle.

Cloverdale.—Considerable damage has been done to prunes by breaking of the skins before harvesting.—John O. Ogle.

Converse Nursery.—July was a very windy month, the wind averaging 116 miles per day. Snow in canyons between 10,000 and 12,000 feet will last throughout the year. .61 inches of rain fell in 35 minutes on the 25th.—Edw. N. Munns.

El Cajon.—In this district this season seems to be the most favorable on record for the multiplication of scale insects. The lady bugs, on the other hand, are much less plentiful than usual. The reason for this may be that the cold weather last winter destroyed the preying insects and not the scale.—H. H. Kessler.

Greenland Ranch.—The lowest relative humidity during the month was 19 per cent, which occurred on July 8th at 5 p. m.—F. W. Corkhill.

Greenville.—The nights have been unusually cold. Haying is about over and grain harvesting has begun. The water is low.—C. H. Higbie.

Weitchpec.—All crops have done well. The water supply is normal. All snow is gone except on the highest peaks east of here.—M. E. Lathrop.

Climatological Data for July, 1914.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.						Precipitation, in inches.				Sky.			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 (un-melted).	Rainy days.	Clear days.			Pt. cloudy days.	Cloudy days.
Alburas	Modoc	4,400	10	68.3	.....	98	18	37	29	58	0.11	-0.72	0.08	0	3	25	6	0	w.	Prof. C. B. Towle.
Angiola	Tulare	208	14	79.0	+0.2	108	1	52	12	51	0.00	0	0.00	0	0	28	3	0	n.	Santa Fe Co.
Antioch	Contra Costa	46	35	84.9	+9.1	102	28 [†]	58	12	.....	0.00	0	0.00	0	0	0	0	0	.....	Southern Pacific Co.
Aptos	Santa Cruz	102	29	63.4	+1.1	72	8	54	9	.....	0.03	+0.02	0.03	0	1	23	3	5	nw.	do
Arrowhead Springs	San Bernardino	2,000	5	74.8	.....	97	8	52	10	37	0.00	0.00	0.00	0	0	26	4	0	.....	John Jurgens.
Auburn	Placer	1,360	43	72.7	-4.1	103	16	50	12	50	0.00	-0.01	0.00	0	0	28	3	0	ne.	Southern Pacific Co.
Avalon	Los Angeles	30	4	63.8	.....	71	1	56	12	13	0.03	0.03	0.03	0	1	31	0	0	w.	T. S. Manning.
Azusa	do	540	12	69.0	-4.4	91	5 [†]	45	29	45	T.	0	T.	0	0	30	1	0	.....	A. P. Griffith.
Bagdad	San Bernardino	784	11	95.2	-1.1	113	8	76	16	29	0.00	-0.26	0.00	0	0	0	0	0	.....	Santa Fe Co.
Bakersfield	Kern	404	25	78.0	-7.3	107	2 [†]	46	13	51	0.00	-0.01	0.00	0	0	31	0	0	.....	do
Barstow	San Bernardino	2,105	11	84.0	+0.6	106	1	61	28	38	0.03	-0.09	0.03	0	1	29	2	0	.....	E. L. White.
Berkeley	Alameda	3,167	27	60.4	-0.9	79	14	50	27	28	T.	-0.02	T.	0	0	8	18	5	sw.	State University.
Betteravia	Santa Barbara	155	1	64.5	.....	78	18 [†]	48	7	26	T.	0	T.	0	0	30	0	0	w.	Union Sugar Co.
Biggs	Butte	98	15	82.9	+3.5	104	9 [†]	61	12 [†]	0.00	0	0.00	0	0	28	1	2	n.	Southern Pacific Co.
Bishop	Inyo	4,450	19	70.2 [†]	-3.0	97 [†]	1	42 [†]	4	54 [†]	T.	-0.09	T.	0	0	0	0	0	.....	Paul E. Lodge.
Bishop Creek	do	8,500	4	59.8	.....	78	1	41	11 [†]	38	0.00	0.00	0.00	0	0	28	0	3	.....	do
Blocksburg	Humboldt	1,700	8	68.2	.....	106	16	40	11 [†]	47	0.00	0.00	0.00	0	0	31	0	0	nw.	Victor Hope.
Blue Canon	Placer	4,695	15	62.3	-2.9	89	19	35	14	44	0.00	0	0.00	0	0	30	1	0	w.	Southern Pacific Co.
Blythe	Riverside	268	5	.....	.....	112	7 [†]	0.03	0.03	0.03	0	1	21	6	4	s.	C. L. Smith.
Branscomb	Mendocino	2,000	14	66.2	-0.5	95	15	45	5 [†]	41	0.00	-0.12	0.03	0	0	29	0	2	n.	A. J. Hamm.
Brawley	Imperial	-105	4	89.0	.....	109	9	65	6	41	T.	0	T.	0	0	0	0	0	.....	M. D. Witter.
Bridgeport	Mono	6,500	1	59.6	.....	85	14	30	7	52	0.32	0.30	0.30	0	2	21	5	5	w.	A. F. Scott.
Burney	Shasta	3,300	4	64.6 ^b	.....	94 ^b	18	37 ^b	23	49 ^b	0.09	0.09	0.09	0	1	17 ^b	6 ^b	0	sw.	Mrs. M. D. Chambers.
Cahuilla	Riverside	3,600	3	63.9	.....	94	31	29	5	62	0.26	0.25	0.25	0	2	21	6	4	sw.	Dr. W. L. Shawk.
Calaxico	Imperial	0	9	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	J. E. Peck.
Caliente	Kern	1,200	38	87.2	+2.4	104	11 [†]	69	3 [†]	0.00	0	0.00	0	0	26	0	5	w.	Southern Pacific Co.
Calistoga	Napa	363	42	72.0	-0.6	95	27 [†]	60	11	.....	0.00	-0.03	0.00	0	0	31	0	0	.....	do
Cambell	Santa Clara	217	17	64.6	-0.3	88	15	46	31	36	0.00	0	0.00	0	0	29	0	2	nw.	F. M. Righter.
Camptonville (near)	Yuba	3,500	7	72.6	.....	98	16 [†]	48	13	38	T.	-0.50	T.	0	0	26	4	1	s.	Cal. Gas and Electric Co.
Cathedral Park	El Dorado	6,400	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Carl Fluegge.
Cedarville	Modoc	4,675	20	71.7 ^b	+2.1	95 ^b	31	45 ^b	25	45 ^b	0.10	-0.16	0.10	0	1	14	17	0	sw.	T. H. Johnstone.
Chico	Butte	189	44	77.7	-6.2	109	15 [†]	52	23 [†]	48	0.00	-0.03	0.00	0	0	29	1	1	s.	G. H. Stephenson.
China Flat	Humboldt	600	5	76.0	.....	108	16	48	29 [†]	50	0.63	0.03	0.00	0	1	22	9	0	se.	O. I. Westenburg.
Chino	San Bernardino	714	22	75.6	-2.1	96	8 [†]	60	15 [†]	0.00	-0.02	0.00	0	0	24	4	3	.....	Southern Pacific Co.
Cisco	Placer	5,939	43	59.4	-3.8	80	14 [†]	50	11	.....	0.00	-0.02	0.00	0	0	31	0	0	sw.	do
Claremont	Los Angeles	1,200	22	71.6	-1.3	96	21	48	5	46	0.00	-0.02	0.00	0	0	23	8	0	.....	Prof. F. P. Brackett.
Cloverdale	Sonoma	340	12	68.6 ^a	-3.2	99 ^a	15	44 ^a	31	52 ^a	0.00	0	0.00	0	0	31	0	0	s.	John O. Ogilvie.
Coalinga	Fresno	663	2	80.9	.....	109	1	54	12	47	0.00	0.00	0.00	0	0	29	0	2	e.	Union Oil Co.
Colfax	Placer	2,421	43	73.8	-1.5	101	17	51	13	39	0.00	-0.02	0.00	0	0	30	0	1	.....	Southern Pacific Co.
Colusa	San Bernardino	600	11	74.0	-3.1	104	16	52	23	44 ^a	T.	-0.02	T.	0	0	28	3	0	e.	C. D. McComish.
Converse Nursery	San Bernardino	6,000	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Edw. N. Munns.
Corning	Tehama	277	28	89.8	+6.4	106	16	.....	.....	.....	0.00	0	0.00	0	0	16	15	0	.....	Southern Pacific Co.
Corona	Riverside	615	.....	73.7	.....	102	8	50	28 [†]	45	0.01	0.00	0.00	0	0	23	5	3	nw.	J. W. Garthwaite.
Crescent City	Del Norte	125	.....	58.8	.....	91	16	45	21	35	0.34	0.25	0.25	0	1	19	3	9	nw.	Thos. E. Peacock.
Cuyamaca	San Diego	4,677	15	70.6	+3.4	92	9	47	30	41	0.04	-0.23	0.04	0	1	23	4	4	s.	Cuyamaca Water Co.
Davisville	Yolo	51	42	71.3	-6.6	104	15	37	22	53	0.00	-0.02	0.00	0	0	30	1	0	sw.	S. H. Beckett.
Deer Creek	Nevada	3,700	7	67.0	.....	94	16	44	12	43	0.00	0.00	0.00	0	0	30	1	0	w.	Cal. Gas and Electric Co.
Del Monte	Monterey	25	3	61.4	.....	72	11 [†]	52	14	20	0.00	0.00	0.00	0	0	21	3	7	w.	H. R. Warner.
Delta	Shasta	1,138	29	77.7	-0.7	93	21	57	27	31	0.00	-0.10	0.00	0	0	31	0	0	s.	Southern Pacific Co.
Denair	Stanislaus	126	14	73.6	-3.6	98	15	48	5	45	0.00	0.00	0.00	0	0	31	0	0	.....	Santa Fe Co.
De Sabla	Butte	2,500	10	71.0	.....	98	15 [†]	48	9 [†]	42	0.00	0.00	0.00	0	0	25	6	0	s.	Cal. Gas and Electric Co.
Dobbins (near)	Yuba	1,650	10	77.0	.....	102	15 [†]	56	12 [†]	38	0.00	-0.02	0.00	0	0	19	12	0	s.	do
Downieville	Sierra	3,150	3	68.7	.....	100	15	42	9 [†]	53	0.00	0.00	0.00	0	0	28	3	0	s.	J. T. Mason.
Dudley	Kings	595	2	88.7	.....	107	1 [†]	55	12	39	T.	.....	.....	.....	.....	.....	.....	.....	.....	Producers Trans. Co.
Dudleys	Mariposa	3,000	5	67.2	.....	91	24 [†]	44	4	44	T.	.....	.....	.....	.....	.....	.....	.....	.....	W. H. Dudley.
Dunlap (near)	Fresno	2,800	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	U. S. Forest Service.
Dunigan	Yolo	65	37	87.6	+5.8	105	15	62	3	.....	T.	0	T.	0	0	26	4	1	n.	Southern Pacific Co.
Dunsmuir	Siskiyou	2,285	25	71.4	+0.2	100	1	47	13 [†]	43	0.10	-0.06	0.10	0	1	.....	.....	.....	.....	do
Durham	Butte	160	19	76.9	-1.6	104	15	48	12	50	0.00	0	0.00	0	0	30	1	0	s.	R. W. Durham.
East Park	Colusa	.....	.....	75.6	.....	107	15 [†]	49	27	49	0.00	0.00	0.00	0	0	30	1	0	s.	J. J. Lea.
Edison	Kern	2,500	.....	86.8	.....	104	31 [†]	67	12	27	0.00	0.00	0.00	0	0	29	2	0	.....	So. Cal. Edison Co.
El Cajon	San Diego	482	10	70.2	-2.4	95	51	51	22	35	0.00	-0.10	0.00	0	0	31	0	0	sw.	H. H. Kessler.
Electra	Amador	752	10	74.8	.....	100	15	52	12 [†]	44	0.00	0.00	0.00	0	0	31	0	0	.....	Cal. Gas and Electric Co.
Emigrant Gap	Placer	5,230	40	73.8	-1.8	90	16 [†]	58	28	48	0.00	-0.03	0.00	0	0	31	0	0	.....	Southern Pacific Co.
Escondido	San Diego	657	20	72.8	+0.5	98	31	50	29	26	0.00	-0.01	0.00	0	0	22	19	0	.....	A. R. Moon.
Eureka	Humboldt																			

Climatological Data for July, 1914.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.						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.	Snowfall (un-melting).	Rainy days.	Clear days.		Pt. cloudy days.	Cloudy days.	Prevailing direction of wind.
Kentfield	Marin	65	26	63.8	.....	94	14	42	30	45	0.00	-0.01	0.00	0	0	13	18	0	R. Cunningham.
King City	Monterey	333	27	71.6	+4.1	98	17	42	30	51	0.00	0.00	0.00	0	0	31	0	0	Southern Pacific Co.
La Jolla	San Diego	2,715	...	75.9	.....	97	7	56	117	38	0.00	.....	0.00	0.00	0	30	1	0	Ben Amago.
Lake Eleanor	Tuolumne	4,700	4	66.2	.....	91	31	42	123	44	0.04	.....	0.04	0	1	27	2	2	Lasley Lee.
Lake Spaulding	Nevada	4,600	...	65.6	.....	92	16	42	124	44	0.12	+0.05	0.12	0	1	.....	.....	.....	M. Magnusen.
La Porte	Plumas	5,000	20	61.2	-1.2	90	18	34	10	44	0.00	-0.14	0.00	0	0	27	3	1	C. W. Hendel.
Las Plumas	Butte	506	...	80.2	.....	107	16	55	19	39	0.00	.....	0.00	0.00	0	31	0	0	Great Western Power Co.
Le Grande	Merced	255	14	76.8	-3.5	105	15	50	12	47	0.00	0	0.00	0	0	31	0	0	Santa Fe Co.
Lemon Cove	Tulare	600	19	82.4	+0.8	110	1	56	11	48	T.	-0.01	T.	0	0	24	7	0	H. B. Howard.
Lick Observatory	Santa Clara	4,209	25	69.4	+0.3	84	24	42	13	28	0.00	0	0.00	0	0	26	5	0	The Director.
Lindsay	Tulare	...	...	80.0	.....	110	1	54	12	51	0.00	.....	0.00	0.00	0	.....	.....	.....	Basil Prior.
Livermore	Alameda	485	43	69.4	-0.7	103	15	46	29	48	T.	-0.01	T.	0	0	27	3	1	E. G. Still.
Louie Pine	Inyo	3,728	9	73.2	.....	96	17	48	4	43	T.	-0.09	T.	0	0	21	10	0	G. P. Marsh.
LOS ANGELES	Los Angeles	293	37	66.8	-0.6	81	31	56	23	24	0.01	-0.01	0.01	0	1	18	13	0	U. S. Weather Bureau.
LOS BANOS **	Merced	121	27	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Southern Pacific Co.
Los Gatos	Santa Clara	600	27	66.8	-1.0	95	15	47	29	44	0.00	0	0.00	0	0	26	4	1	F. H. McCullagh.
Lyon Valley	San Diego	2,250	...	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	R. Wuest.
McCloud	Siskiyou	3,410	4	64.4	.....	97	18	35	29	50	0.08	.....	0.08	0	1	29	2	0	F. P. Spencer.
Macdoel	do	4,528	9	63.6	.....	98	19	40	1	45	0.08	.....	0.08	0	1	24	2	5	Butte Valley Land Co.
Madeline	Lassen	5,270	5	63.9	.....	91	18	36	29	52	T.	.....	T.	0	0	25	3	0	J. H. Williams.
Magalia	Butte	2,321	10	84.1	+10.5	98	7	64	1	22	0.00	-0.02	0.00	0	0	30	1	0	Butte Co. R. R. Co.
Manmoth Tank	Imperial	257	36	.....	.....	119	15	.....	.....	.....	0.00	-0.06	0.00	0	0	31	0	0	Southern Pacific Co.
Maricopa	Kern	640	3	83.6	.....	108	1	57	12	41	0.00	.....	0.00	0.00	0	31	0	0	Union Oil Co.
Marysville	Yuba	67	43	75.6	-4.4	105	16	52	23	46	0.00	0	0.00	0	0	29	0	2	Southern Pacific Co.
Meera	Riverside	-185	8	91.4	.....	110	7	71	37	36	0.28	.....	0.28	0	1	19	10	2	E. A. Palmer.
Menlo Park **	San Mateo	64	36	63.9	-3.8	78	37	53	18	41	0.00	-0.01	0.00	0	0	31	0	0	Southern Pacific Co.
Merced	Merced	173	46	78.0	-3.7	102	15	.....	.....	.....	-0.01	0.00	0.00	0	0	31	0	0	Southern Pacific Co.
Middlewater	Kern	803	3	78.2	.....	106	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Union Oil Co.
Mill Creek -1	Amador	2,500	7	67.7	.....	89	15	46	2	36	0.00	.....	0.00	0.00	0	29	2	0	Cal. Gas and Electric Co.
Mill Creek -2	San Bernardino	2,950	...	78.6	.....	102	8	56	23	41	0.00	-0.12	0.00	0	0	25	2	4	So. Cal. Edison Co.
Milton (near)	Calaveras	660	23	76.7	-1.2	103	15	51	1	48	0.00	0	0.00	0	0	24	7	0	J. H. Southwick.
Modesto **	Stanislaus	90	42	83.2	+1.7	100	15	65	7	.....	0.00	-0.01	0.00	0	0	.....	.....	.....	Southern Pacific Co.
Mojave	Kern	2,751	37	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	do
Mokelumne Hill	Calaveras	1,550	21	77.6	+0.8	98	1	57	37	34	0.00	0	0.00	0	0	25	2	4	C. E. Prindle.
Mono Ranch	Ventura	3,210	8	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Herbert Lathrop.
Montague	Siskiyou	2,450	26	73.1	-4.1	104	18	44	21	60	0.85	+0.62	0.75	0	2	15	13	3	J. E. De Boy.
Monterey **	Monterey	15	49	61.2	+0.2	74	19	48	37	.....	0.00	0	0.00	0	0	31	0	0	Southern Pacific Co.
MOUST LAMALPAIS.	Marin	2,375	15	67.6	-2.9	86	15	46	21	24	T.	-0.01	T.	0	0	25	5	1	U. S. Weather Bureau.
Napa City	Napa	20	37	.....	.....	92	27	.....	.....	.....	0.00	.....	0.00	0.00	0	31	0	0	Alex Hull.
Napa (S. H.)	do	60	30	67.0	-0.6	92	14	51	29	38	0.00	-0.01	0.00	0	0	5	26	0	A. R. Edgar.
Needles	San Bernardino	477	22	91.0	-3.6	107	7	72	3	31	0.81	+0.54	0.55	0	5	24	7	0	Santa Fe Co.
Nellie	San Diego	5,350	5	.....	.....	.....	.....	.....	.....	.....	3.75	.....	-3.75	0	1	.....	.....	.....	T. O. Bailey.
Nevada City	Nevada	2,850	22	70.2	+1.4	98	16	44	12	48	T.	-0.02	T.	0	0	28	3	0	S. W. Marsh.
Nevis	Plumas	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	A. R. Bidwell.
Newhall **	Los Angeles	1,200	37	83.6	+7.0	104	8	74	16	.....	0.11	+0.11	0.11	0	1	28	2	1	Southern Pacific Co.
Newman	Stanislaus	91	25	76.0	-0.9	102	1	50	10	43	0.00	0	0.00	0	0	.....	.....	.....	E. S. Wangerheim.
North Bloomfield	Nevada	3,214	17	70.6	-6.9	98	16	47	12	41	0.00	-0.07	0.00	0	0	25	3	3	J. R. McIntosh.
North Fork	Madera	3,600	19	74.2	.....	101	17	46	25	50	0.06	-0.03	0.06	0	1	26	0	5	U. S. Forest Service.
Oakdale **	Stanislaus	156	20	75.6	+0.3	104	15	59	12	.....	0.00	0	0.00	0	0	29	2	0	Southern Pacific Co.
Oak Grove	San Diego	2,751	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	B. L. Johnson.
Oakland	Alameda	36	38	62.2	+0.4	82	14	53	24	26	0.00	-0.02	0.00	0	0	2	23	6	Chabot Observatory.
Oceanside	San Diego	60	4	70.4	.....	78	9	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	H. D. Brodie.
Orland	Ventura	900	8	69.2	.....	100	31	45	11	48	0.04	.....	0.04	0	1	29	1	1	W. H. Duncan.
Orleans	Glenn	254	32	79.4	-7.0	103	16	55	22	45	T.	-0.01	T.	0	0	30	1	0	U. S. Rec. Service.
Oroville (near)	Humboldt	520	11	78.6	-1.0	108	17	52	31	46	0.48	+0.30	0.48	0	1	30	0	1	F. T. Hale.
Palermo	Butte	250	30	78.8	-1.4	109	16	54	22	46	0.00	-0.02	0.00	0	0	29	1	1	E. D. Fairchild.
Paloma	do	213	23	84.0	+5.8	110	16	60	37	39	0.00	-0.03	0.00	0	0	31	0	0	Western Pacific Co.
Palms Springs **	Riverside	584	25	89.1	-5.4	112	17	72	37	.....	0.00	-0.02	0.00	0	0	.....	.....	.....	Southern Pacific Co.
Pasadena	Los Angeles	827	24	69.7	-1.7	92	8	47	29	44	0.04	+0.04	0.04	0	1	29	2	0	E. D. Sorver.
Paso Robles	San Luis Obispo	800	27	69.3	-2.7	101	24	40	7	58	0.00	0	0.00	0	0	30	1	0	Dr. F. W. Sawyer.
Peachland	Sonoma	190	18	63.0	-2.6	92	14	40	31	47	T.	-0.02	T.	0	0	14	17	0	E. H. Parnell.
Petaluma	do	...	...	63.6	.....	90	14	41	31	43	0.00	.....	0.00	0.00	0	15	15	1	John Landis.
Placerville	El Dorado	1,875	25	72.2	-0.4	96	1	50	12	40	0.00	-0.02	0.00	0	0	.....	.....	.....	A. E. May.
Point Lobos	San Francisco	250	21	53.9	-3.0	65	14	48	9	13	0.02	+0.01	0.02	0	1	5	2	24	Jas. E. Farelly.
POINT REYES	Marin	490	22	53.8	+0.3	66	14	48	17	16	0.07	0	0.03	0	4	1	6	24	U. S. Weather Bureau.
Pomona	Los Angeles	857	...	71.9	.....	97	8	45	29	49	0.00	.....	0.00	0.00	0	5	1	25	J. E. Adamson.
Porterville	Tulare	464	25	80.8	-4.0	103	1	56	12	39	0.00	-0.03	0.00	0	0	28	3	0	Leslie McAniff.
Quincy	Plumas	3,400	19	65.0	-0.3	96	18	37	30	51	0.00	-0.08	0.00	0	0	30	1	0	U. S. Forest Service.
RED BLUFF	Tehama	307	37	80.2	-1.9	105	16	58	12	38	T.	-0.03	T.	0	0	27	4	0	U. S. Weather Bureau.
Redding	Shasta	552	39	80.1	-1.9	105	16	52	12	43									

Climatological Data for July, 1914.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.						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.	Snowfall (unmelted).	Rainy days.	Clear days.	Pt. cloudy days.	Cloudy days.		Prevailing direction of wind.
Sonora	Tuolumne	1,825	3	73.6		96	14	50	31	45	0.00	-0.02	0.00	0	0	29	2	0	nw.	Chas. P. Jones.
Spreckels	Monterey	48	8	62.4		81	14	48	29	28	0.05	0.05	0.05	0	1	27	4	0	w.	Spreckels Sugar Co.
Springville	Tulare	4,000	7	71.0		95	24	42	11	47	0.18	0.10	0.10	0	2	29	1	1		D. L. Wishon.
Squirrel Inn	San Bernardino	5,280	4	66.4		84	5†	50	2†	28	0.00	0.00	0.00	0	0	30	1	0		A. D. Frantz.
Stanwood	Butte	2,140	10	75.8		104	16	52	11†	36	0.00	-0.02	0.00	0	0	23	8	0	n.	Cal. Gas and Electric Co.
Stirling City	do	3,525	10	71.6		99	17	45	12	40	0.00	-0.01	0.00	0	0	29	1	1	se.	Butte Co. R. R. Co.
Stockton (S. H.)	San Joaquin	23	43	72.4	-0.2	98	15	52	23	43	T.	0	T.	0	0	29	2	0	nw.	State Hospital.
Storey	Madera	296	14	77.4	-1.3	103	24	52	6†	46	0.00	0	0.00	0	0	31	0	0		Santa Fe Co.
Suisun **	Solano	20	34																	Southern Pacific Co.
Sulphur Banks	Lake	1,350	2	74.8		104	15	46	13	43	T.		T.	0	0	22	8	1	w.	M. S. Walters.
Summit	Placer	7,017	41	57.6	-3.4	80	15†	35	30†	37	0.00	-0.16	0.00	0	0	27	0	4	s.	Southern Pacific Co.
Susanville	Lassen	4,175	25	70.1 ^a		98 ^d	15	47 ^a	15	44	T.	-0.16	T.	0	0	30	1	0		G. H. Taylor.
Tahoe	Placer	6,240	8	58.0		79	16†	35	5	40	0.00	0.00	0.00	0	0	30	0	1	w.	Robert Watson.
Tamarack	Alpine	8,900	8	54.6		81	29	32	27	46	0.37	-0.26	0.35	0	2	26	5	0	sw.	Cal. Gas and Electric Co.
Tehachapi **	Kern	3,964	27	83.2	+6.8	103	1	66	12		0.00	-0.01	0.00	0	0					Southern Pacific Co.
Tehama	Tehama	1,220	43	84.5	+0.4	104	16	70	8†		0.00	-0.06	0.00	0	0	28	3	0	s.	do
Tejon Rancho	Kern	1,500	11	78.5		103	1†	51	12	42	T.		T.	0	0	29	2	0	sw.	W. B. de Billier.
Three Rivers	Placer	8,704	28	68.8	-1.9	95	16	47	10†	37	0.00	-0.02	0.00	0	0	29	0	2	e.	J. H. Pierce.
Towle	San Joaquin	5,704	43	83.8	+3.9	104	15	66	12		0.00	0	0.00	0	0					Southern Pacific Co.
Tracy **	Nevada	8,819	43	68.6	+3.2	90	18	48	30	39	T.	-0.16	T.	0	0	30	1	0		do
Tustin (near)	Orange	125	21	71.5		90	31	47	29	39	0.00	0	0.00	0	0	28	3	0	w.	Irvine Co.
Ukiah	Modocino	620	21	73.3	+2.0	108	15	43	31	56	0.00	-0.02	0.00	0	0	28	3	0	nw.	Dr. George McCowen.
Upper Lake	Lake	1,350	29	74.2	+0.3	104	16	47	28	50	0.00	-0.02	0.00	0	0	30	1	0	nw.	C. M. Hammond.
Vacaville	Solano	175	26																	W. E. Lawrence.
Valley Springs **	Calaveras	673	25	80.5	+0.5	105	1	60	3†		0.00	-0.01	0.00	0	0	29	2	0	nw.	Southern Pacific Co.
Victorville	San Bernardino	3,000																		B. J. Cloes.
Visalia	Tulare	334	26	79.6	-0.4	108	1	54	7	45	0.00	-0.02	0.00	0	0	30	0	1	nw.	Santa Fe Co.
Walnut Creek	Contra Costa	149		68.8		99	15	52	23†	41	T.		T.	0	0					R. L. Nougaret.
Warner Springs	San Diego	3,165	6	74.4		98	8†	47	5	48	0.16		0.12	0	2	24	4	3		Mrs. F. S. Sanford.
Wasco	Kern	336	14																	Santa Fe Co.
Watsonville	Santa Cruz	23	18	62.0	-0.4	83	21	38	8	39	0.03	+0.03	0.03	0	1	1	28	2	w.	Spreckels Sugar Co.
Weaverville	Trinity	2,162	2	71.0		102	18	42	23	51	0.02	-0.11	0.02	0	1	23	8	0		U. S. Forest Service.
Weitchpec	Humboldt	1,700	4	70.0		100	16	43	27	42	0.13		0.13	0	1	31	0	0	s.	M. E. Lathrop.
West Branch	Contra Costa	3,216		67.7		100	16	44	12†	48	0.00	0.00	0.00	0	0	30	1	0	s.	Cal. Gas and Electric Co.
Westley **	Stanislaus	90	25	80.8	-1.9	103	15	50	23		0.00	-0.02	0.00	0	0	31	0	0		Southern Pacific Co.
Wheatland	Yuba	84	27	75.1	-1.6	102	15	53	9†	41	0.00	-0.01	0.00	0	0	19	12	0	s.	Wm. Lombard.
Willows	Glenn	136	35	77.4	-5.5	111	16	48	19	50	0.00	0	0.00	0	0	28	3	0	s.	F. E. Barhouse.
Yorba Linda	Orange	405		67.8		89	1	47	27	37	0.00		0.00	0	0	22	9	0	w.	S. J. Walker.
Yosemite	Mariposa	3,949	10	69.3		100	1†	37	4	60	0.00	-0.20	0.00	0	0	30	0	1	s.	J. P. Kelly.
Section Means				72.4	-1.6						0.06	+0.02			1	25	5	1	s.	

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.

** Temperature extremes are used in determining section or division means.

† Also on other dates.

T. Precipitation is less than 0.01 inch rain or melted snow.

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

COMPARATIVE DATA FOR JULY.

(MEAN MONTHLY TEMPERATURE FOR THE STATE.)

1897	74.5	1906	76.8
1898	81.4	1907	73.1
1899	77.9	1908	76.4
1900	75.9	1909	71.2
1901	76.0	1910	75.5
1902	72.8	1911	74.1
1903	71.2	1912	71.0
1904	72.2	1913	73.1
1905	74.8	1914	72.4

(AVERAGE PRECIPITATION FOR THE STATE.)

1897	0.01	1906	0.04
1898	T.	1907	0.03
1899	T.	1908	0.05
1900	T.	1909	0.05
1901	0.01	1910	0.10
1902	0.07	1911	0.10
1903	0.03	1912	0.06
1904	0.09	1913	0.46
1905	0.01	1914	0.06

DELAYED REPORTS.

Stations.	Month.	Temperature.					Total precipitation
		Mean	Max.	Date	Min.	Date	
Boca	March.	73.4	98	17†	52	29	0.10
Greenland Ranch		63.9	90	19†	40	11†	0.00
Dudley	April.	69.6	94	31	52	2†	0.36
Vacaville	May.						0.00
Bear Valley	June						T.
Beaumont.							0.41
Beaumont (near).							0.39
Corona		69.5	105	28	45	8	0.44
Cathedral Park		54.0	88	28	30	6†	1.10
Dinuba							0.00
Gilta		74.8	102	17	36	4	2.16
Glen Ranch							0.94
Kennett		69.9	109	17	33	5	9.52
Livermore		66.2	111	28	42	9†	0.19
Menlo Park		64.8	79 ²	28	56 ³	12	0.27
Mill Creek-2		71.5	102	26†	45	7	0.49
Nellie							1.44
Newman		71.8	102	29	42	6†	0.06
Orleans		69.2	103	30	44	4†	2.29
Sisquoc Ranch							0.41
Stanwood		70.2	98	18†	48	6†	4.22
Suisun		70.4	106	27	58	1†	0.31
Tracy		78.0	104	28	60	5†	0.09
Tustin (near).		67.6	95	28†	46	8†	0.09

ERRATA, JUNE, 1914.

Chico, page 70, monthly mean temperature 70.0, should be 71.5; page 76, mean maximum temperature 85.3, should be 88.3.

Rocklin, page 71, total precipitation 1.40, should be 1.30.

Sacramento, page 76, mean minimum temperature 54.6, should be 54.5; page 71, mean temperature 67.2, should be 67.1.

San Luis Obispo, page 71, mean temperature 60.5, should be 60.4; page 76, mean minimum temperature 49.6, should be 49.5; minimum temperature on June 26th, 64, should be 60.

Summit, page 72, greatest precipitation in 24 hours 0.40, should be 0.42.

Daily Temperature for July, 1914.

Table with columns for Stations, 1-31, and Mean. Rows list various California locations such as Alturas, Bakersfield, Barstow, etc., with their corresponding temperature data for each day of the month.