

# CLIMATOLOGICAL DATA.

## NEVADA SECTION.

HENRY F. ALPS, Meteorologist.

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### GENERAL SUMMARY.

The mean temperature and the average precipitation for the entire State were above normal. The greater part of Nevada was considerably warmer than normal, although there was a slight deficiency in temperature in the extreme north portion. The monthly mean temperature at Reno was 5.8° above normal. The temperature reached or exceeded 100° at 25 stations during the month, and above 90° was recorded at all stations. A moderately cool period occurred from the 19th to the close of the month, except in the extreme west portion where it ended on the 27th. The precipitation was above normal in northern counties and in the extreme west, and less than normal in the central and south portions. Only five stations recorded amounts in excess of one inch.

The warm weather favored the rapid development of vegetation and no damage to crops by high temperatures was apparent at the close of the month. The change to normal temperature came before the critical stage in the development of potatoes was reached, and the crop seemed to suffer no deterioration from the excessive temperature. The warm weather benefited cantaloupe development in the Newlands Project. The first cutting of alfalfa was completed during the first half of the month, and the harvesting of wild hay had started at the close of the month. Wheat, oats, and barley, were maturing well in irrigated districts. Dry-land crops were in need of more rain. Ranges were in fair to good condition. The supply of water was sufficient for irrigation and hydroelectric power.

### TEMPERATURE.

The monthly mean for the State, as shown by the records of 34 stations, was 74.1°. The mean for the 23 stations having ten or more years' record was 1.1° above normal. The highest recorded was 116°, at Logandale on the 5th; the lowest was 33°, at Rye Patch on the 26th. The greatest daily range was 62°, at Logandale on the 6th. The highest monthly mean was 87.6°, at Logandale; the lowest was 64.6°, at Lamoille.

### PRECIPITATION.

The average for 46 stations reporting was 0.54 inch. For the 33 stations having ten or more years' record, the mean was 0.19 inch above the normal. The average amount at 5 stations in the Columbia Basin was 0.69 inch; at 16 stations in the Humboldt Basin, 0.64 inch; at 1 station in the Truckee Basin, 0.33 inch; at 3 stations in the Carson Basin, 0.26 inch; at 5 stations in the Walker Basin, 0.41 inch; at 2 stations in the Colorado Basin, 0.62 inch; at 14 stations in the minor basins, 0.47 inch. The greatest monthly fall was 1.80 inches

at Lamoille. The least was 0.00 at Arthur. The average number of days with precipitation was 3.

### PRESSURE, HUMIDITY, AND WIND DATA.

Stations.	Barometric pressure (sea level).			Mean relative humidity.		Wind.			
	Mean.	Highest.	Lowest.	5 a. m.	5 p. m.	Average hourly velocity.	Max. velocity.		
							Miles per hour.	Dirac.	Date.
Reno.....	29.96	30.16	29.72	53	21	6.7	42	sw.	4
Winnemucca.....	29.98	30.15	29.71	52	19	6.0	38	nw.	4
Tonopah.....	29.96	30.16	29.62	35	20	7.5	39	nw.	5

### SUNSHINE AND CLOUDINESS.

At Reno, 88 per cent of the possible sunshine was recorded; at Winnemucca, 90 per cent; at Tonopah, 82 per cent. For the State, the average number of clear days was 20; partly cloudy, 7; cloudy, 4.

### MISCELLANEOUS PHENOMENA.

(Dates of).

*Hail.*—16, 19, 20.

*Thunderstorms.*—4, 5, 15, 16, 17, 18, 19, 20, 21, 22, 29, 30, 31.

*Brisk winds.*—4, 5, 7, 8, 9, 13, 17, 30.

*Solar Halos.*—8, 26.

### COMPARATIVE DATA FOR JULY.

Year.	Temperature.			Average precipi- tation.	Average snowfall.	Number of days.				Prevailing wind.
	Mean.	Highest.	Lowest.			With precipi- tation.	Clear.	Partly cloudy.	Cloudy.	
1889.....	76.1	119	36	0.17	.....	1	29	1	1	S.
1890.....	74.0	118	28	0.15	0	1	22	7	2	SW.
1891.....	70.4	102	26	0.53	0	3	17	8	6	W.
1892.....	70.6	115	30	0.67	0	1	23	5	3	SW.
1893.....	70.3	110	24	0.40	0	2	26	4	1	SW.
1894.....	71.7	108	32	0.75	0	5	17	9	5	W.
1895.....	70.2	112	28	0.05	0	1	25	4	2	W.
1896.....	72.7	112	33	0.79	0	2	14	9	8	W.
1897.....	69.4	116	25	0.28	0	1	20	7	4	SW.
1898.....	73.5	114	30	0.12	0	1	23	6	2	W.
1899.....	72.6	106	34	0.14	0	2	22	5	4	W.
1900.....	70.9	113	33	0.37	0	1	23	4	4	W.
1901.....	70.8	109	31	0.31	0	2	21	6	4	SW.
1902.....	67.9	116	25	0.44	0.5	2	21	5	5	SW.
1903.....	65.4	111	26	0.01	0	1	27	3	1	SW.
1904.....	68.7	110	30	0.51	0	3	19	8	4	SW.
1905.....	72.1	109	31	0.03	0	1	24	5	2	SW.
1906.....	74.7	114	32	0.68	0	4	17	9	5	W.
1907.....	69.2	113	27	0.06	0	1	22	6	3	SW.
1908.....	74.3	116	32	0.42	0	3	18	10	3	W.
1909.....	69.5	112	23	0.14	0	2	23	6	2	S.
1910.....	72.9	110	28	0.65	0	3	18	8	5	W.
1911.....	70.9	109	30	0.31	0	3	17	10	4	W.
1912.....	68.6	113	25	0.67	0	4	17	7	7	W.
1913.....	69.1	113	18	1.30	0	6	16	9	6	W.
1914.....	72.4	118	32	0.52	0	3	16	10	5	W.
1915.....	70.8	110	31	0.38	0	2	19	8	4	W.
1916.....	71.0	113	30	0.31	0	2	25	4	2	SW.
1917.....	74.5	111	31	0.46	0	2	21	7	3	SW.
1918.....	72.9	112	21	0.33	0	2	21	7	3	SW.
1919.....	75.2	113	35	0.28	0	1	23	5	1	SW.
1920.....	72.7	113	33	0.19	0	1	24	5	3	W.
1921.....	74.2	114	27	0.19	0	1	24	4	3	W.
1922.....	74.1	116	33	0.54	0	3	20	7	4	W.
Entire period.....	71.6	119	18	0.39	T.	2	21	6	4	W.

Climatological Data for July, 1922.

Table with columns: Stations, Counties, Elevation, Length of record, Temperature (Mean, Departure from normal, Highest, Date, Lowest, Date, Greatest daily range), Precipitation (Total, Departure from normal, Greatest in 24 hours, Total snowfall), Number of days (Clear, Partly cloudy, Cloudy), Prevailing direction of the wind, Observers.

The departures from 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. \*\*Post-office addresses of these stations are as follows: Of Alamo, Hiko; of Clover Valley, Wells; of Hylton, Jiggs; of Lahontan, Hazen; of Mahoney Ranger Station, Jar-bridge; of Quinn River Ranch, Amos; of Rebel Creek, Orovida; of Rye Patch, Rye Patch Ranch, via Gerlach; of Sand Pass, Flanigan; of Shields Ranch, Coleville, Cal. Reference letters, a, b, c, appearing in the table indicate number of days missing, for example, b represents two days missing, etc. † Also on other dates. †† Received too late to be included in means and summaries. T. Precipitation is less than 0.01 inch rain or melted snow.

Daily Precipitation for July, 1922.

Table with columns for Stations, Day of month (1-31), and Total. Rows are grouped by basin: Columbia Basin, Humboldt Basin, Truckee Basin, Carson Basin, Walker Basin, Colorado Basin, and Minor Basins.

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 stations; precipitation is for the 24-hour period, midnight to midnight. T, Trace, or less than 0.01 inch. ||| Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. \* Precipitation included in next following measurement. † Separate dates of falls not recorded.

Daily Evaporation (inches) and Wind Movement (miles) for July, 1922.

(See temperature and precipitation data in climatological tables, pages 34 to 36.)

Table with columns for Stations, Data (Evaporation, Wind movement), Day of month (1-31), and Monthly. Rows include Lamolle, Pahrump, and Tahoe, Cal. with multiple data points per day.

\* Observations taken at 7 a. m.; \*\* at 8 a. m. † Included in next following entry. ‡ Readings made in standard pan exposed on float in lake.

Daily Temperatures for July, 1922.

Table with columns for Stations, 1-31, and Mean. Rows are grouped by basin: Columbia Basin (Owyhee, San Jacinto), Humboldt Basin (Austin, Battle Mountain, Beowawe, Clover Valley, Elko, Eureka, Golconda, Inlay, Lamolles, Lovelock, Montello, Winnemucca), Truckee Basin (Reno, Tahoe, Cal. §§), Carson Basin (Fallon, Lahontan §§, Minden), Walker Basin (Mina, Schurz, Thorne, Yerington), Colorado Basin (Las Vegas, Logandale), and Minor Basins (Alamo, Beatty, Gerlach, Goldfield, McGill, Millett, Pahump §§, Quinn River Ranch, Rebel Creek, Rye Patch, Sand Pass, Searchlight, Sharp, Sulphur, Tonopah). Each station entry includes maximum and minimum temperature values for each day.

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.