

**METEOROLOGY AND
CLIMATOLOGY OF THE GREAT
VALLEYS AND FOOTHILLS OF
CALIFORNIA, FOR FROM FIFTEEN
TO THIRTY-SIX YEARS**

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Meteorology and climatology of the great valleys and foothills of California, for from fifteen to thirty-six years by Various

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Collated and compiled by Sergeant JAMES A. FARWICK, Observer Signal Corps, U. S. A.,
and Meteorologist to the State Board of Agriculture.



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Compliments of

SERGEANT JAMES A. BARWICK,

Observer Signal Corps U. S. A.

AND METEOROLOGIST TO THE STATE BOARD OF AGRICULTURE,

Sacramento, California.

[PLEASE ACKNOWLEDGE RECEIPT OF THIS REPORT.]

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Collected and compiled by SERGEANT JAMES A. BARWICK, Observer Signal Corps U. S. A.,
and Meteorologist to the State Board of Agriculture.

To the Secretary of the State Agricultural Society of California :

SIR: I have the honor to submit the following meteorological report on the climate of California, and more especially that of the great interior valleys of this State. There will be found the rainfall by seasons, Spring, Summer, Autumn, and Winter, for Sacramento, compiled from observations taken by Dr. T. M. Logan, Dr. F. W. Hatch, and those of the United States Signal Service, covering a period from 1853 to April 1, 1886. Also a general review of the meteorological condition of Sacramento, as deduced from Signal Service observations from July 1, 1877, to February 28, 1886; showing the pressure of the atmosphere by seasons, the temperature, direction of wind, velocity of wind, clear, fair, cloudy, and rainy days, and various other data pertaining to the climatic conditions of the above named city. A tabulated statement of rainfall by months, years, and seasons, from near Fort Jones, in Scott Valley, Yreka, Red Bluff, Oroville, Marysville, Colusa, Princeton, West Butte, Grass Valley, Placerville, Georgetown, Nicolaus, Folsom City, Sacramento, Oakland, San Francisco, Salinas, Santa Barbara, Los Angeles, San Bernardino, San Diego, and Poway; the above places give the rainfall for from one to thirty-four years, making quite a fair average estimate of the precipitation from San Diego to Siskiyou, and from the Sierras to the sea. A supplemental report of the rainfall for January, 1886, and for the season of 1885-6, up to February 1, for the above named places. Also a tabulated statement of the average rainfall for January and February for many years, and the rainfall for January and February, 1886. The average seasonal rainfall up to March first, for many years, along with the rainfall for this season, 1885-6, up to March first, for each Signal Service Station, and for the stations of the Southern Pacific Railroad Company, voluntary observers, and Post Surgeons. This data was collated and tabulated at the United States Signal Service Office, Division of the Pacific, at San Francisco, Lieut. W. A. Glassford, United States Army, assistant officer in charge.

A complete meteorological report and weather review of the climate of Oakland for 1885, and comparison for ten years past, by J. B. Trembley, M.D., Oakland.

An instructive and interesting article entitled, "Storms on the Pacific Coast of North America," from the annual report of the Chief Signal Officer of the Army.

A portion of two articles by the late the Honorable B. B. Redding, and