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SAN FRANCISCO DIRECTORY.

With the extensive railroad building now commencing upon the Pacific Coast must come a great revival of business. The roads are not only at the two extremes of north and south, but are through out the entire extent of our territory. Both the new transcontinental roads are well endowed, their routes lay through portions of the country of great resources, they are a necessity, and their prospects of business are good. A vast extent of our own and foreign territory is to be supplied, and peopled and made productive. New and prosperous States will be added to the Union by them, and the now sparsely settled regions, from British Columbia on the north to Mexico on the south, will become busy with miners, farmers, lumbermen and manufacturers, making it one of the most important grand divisions of the Bepublic. The California and Oregon and the Southern Pacific Railroads will connect the Northern Pacific with the Texas Pacific, thus constituting a grand trunk line from the northern to the southern border, from the Columbia to the Colorado. With the many minor lines projected, there appears a prospect for a generous employment for labor, and a busy time for all.

Meteorological Observations made at San Francisco from January, 1850, to December, 1870.

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In the following tables the reader will find, in a condensed form, the results of twenty years' diligent observation of the climate of San Francisco, with more particular reference to rain. A single glance at the rain tables will present the quantity of rain which has fallen in each month since 1850 the quantity in each season; the quantity before and after the end of the year; the date of the be ginning and ending of each rainy season, and the date of the first and last scattering rains. The following are some of the deductions presented by this record:

Rain has fallen in every month of the year. In July it has rained only in one year; August has furnished rain in four years; June in six years; September in seven years; October in eleven years. No account is made of a mere sprinkle, nor of the deposit of Summer mist. The greatest quantity of mist which ever falls in twenty-four hours is about three-hundredths of an inch. But this quantity is very rare. Near the ocean the mist is much more copious.

The driest season was 1850-1, which gave only seven inches. Next to that was 1863-4, with eight and one-half inches. The winter of 1867-8 gave the most rain—forty_inches. The average is between twenty-one and twenty-two inches.

The earliest setting in of the rainy season was November 1st; the latest, January 12th. An early beginning and an abundant supply are apt to go together, but there is no rule in this respect. The latest beginnings have been followed by an average supply.

The average date of the beginning of the rainy season is November 28th; of the termination, April 10th. March is as certain to bring rain in liberal amount as any other month. In one year out of every three, there is no rain of importance after March. The last showers of the seasou come, with remarkable uniformity, about the third week of May.

The middle of January is the average dividing point of the rainy season. The mean quantity before January 1st is about equal to the mean quantity after January 31st.

December gives the greatest average quantity; January is not far behind; February, March and November come next, and are nearly alike; then April, May, and October, in the order named.

The greatest amount of rain in any one month was in January, 1862, when there fell the enormous quantity of eighteen inches.

It is worthy of note that, in the driest scasons, there has been an abundant supply for agricultural purposes, had it been distributed evenly. Three inches in December, with one inch in each of the four following months would answer all purposes.

The rain-table of San Francisco may be made the basis for estimating the fall in other parts of the State. The mountains of the north have from two to three times as much, and the southern section of the State about half as much, or even less in some localities. The valley of the Sacramento has nearly the same quantity as San Francisco; that of the San Joaquin one-fourth or one-third less, the quantity diminishing southward.

By reference to the tables showing the extremes of heat and cold, it appears that the coldest weather was in January, 1854, when the mercury fell to 25°. At that time, the mud in the streets was frozen solid, and the shallow ponds were covered with ice strong enough for boys to skate on. But such weather is extremely rare, though since that time the ground has been frozen several times so as not to thaw fully in the shade for a day or two. The coldest noonday embraced in the record was 37°. Often the entire winter passes by without bringing the thermometer so low as the freezing point. In 1853 it fell at no time below 40°.

The extreme of heat was on the 10th and 11th of September, 1852, when the thermometer reached 97° and 98° on the two days respectively. This, however, was entirely exceptional, and might not occur again in half a century. The air was dry as a sirocco, and caused the woodwork of houses to crackle and the plaster to break on the wooden walls.

With the exception just noted, the hottest day on record was 93° on the 6th of July, 1867. In October, 1864, and in September, 1865, it reached 91°, and in July, 1855, it reached 90°. Thus it appears that there were only six days in twenty years when the thermometer rose as high as 90°.