THE BUREAU REPORT.

Weather and Crop Conditions in Utah, Season of 1894.

During the winter of 1893-4, which was not a severe one, less than the usual amount of snow fell in the mountains, especially in Summer, and central Utah, and, notwithstanding a late spring, the melting snow furnished a sufficient irrigation supply than during the average season. In northern Utah this scarcity was compensated for by an unusual frequency of showers during the season, which appear to have had a very beneficial effect upon the crops; southern Utah was not so fortunate in this respect, showers not occurring until late in the season. Dew, also, appears to have been more abundant than usual during the season.

Considered as the water supply for irrigation was, the general yield of the various crops was so bountiful that several intelligent observers have expressed the opinion that less water is needed for successful irrigation than has been used in times past. But the success of the past season may have been due to an unusual frequency of showers helping out the irrigation supply, and succeeding seasons may be far different, and crops require more watering. Whether the growth of grass and general vegetation, the cultivation of the soil, and the clearing of canals and ditches over the valleys is gradually recasting irrigation less of a necessity by increasing the supply of moisture in the air through evaporation, thus producing more rain in the valleys, or at least a more uniform distribution throughout the year, is a question that can only be speculated upon at present as it needs many more years of observation to determine it definitely.

The spring was cold and backward, frequent frosts and snows occurring as late as the first day of May, a general frost as late as May 10th, and frost in the higher valleys on the 14th of June.

General farming operations began, on an average, about the 1st of April, being in the extreme north about two weeks later. The lack of precipitation for two weeks or more after the snow had gone off rendered the soil quite dry. It was too dry for plowing and harrowing, and a warm rain was needed to sprout the grain that had been sown and bring it through the crust. Spring Wheat was not all sown until the first of May; by that time fall wheat began to look well, although rains during the latter days of April having given an impetus to vegetation.

The succeeding two weeks were dry, spring grain at the end of this period looked thin, and in need of rain. Heavy showers about the 21st of May gave a decided impetus to the growth of all grain.

Corn and potato planting was finished in the south by the close of the month, and in the north potatoes were in bloom. On June 7th a cool spell began, during which the weather was favorable for small grain only, and both winter and spring wheat began to look fine, the former heading out. The cool spell lasted until the 16th, the frosts in the colder valleys clipping the vines of potatoes, etc., severely on the 13th.

A long spell of favorable weather followed, with showers at frequent intervals, lasting up to September 1st. During this period all crops did well and made the usual advancement; all grain harvesting being finished by that time except in the idle valleys.

Heavy showers now delayed work, but were of great benefit to corn and potatoes. Considerable hay was spoiled and some grain destroyed or damaged. Corn cutting now began. Unfavorable weather followed for the next two weeks, being cool and wet, with frost succeeding the storms. Beginning with the 15th the weather became seasonable, and the late growing vegetables began to do well.

The cool weather of the close of September and first of October finished the crop season with a snowstorm on October 1. Fall work was delayed by the storm, but considerable of a start has already been made in plowing and sowing fall grain. As a rule, corn was saved from frost, though in some cases it had to be cut before fully ripe. Potatoes, where dug, have yielded well, and the crop will probably be abundant.

The season has been favorable to most crops, but especially to to grain. This is doubtless owing to the fact that in the wheat sections there were no prolonged droughts, and that there were cool spells during shooting and filling times. In Weber county the average of twenty threshings gave a yield of twenty-four bushels of wheat to the acre. Many pieces went as high as thirty-five bushels. In Juab county the average from twenty threshing places gave a yield of a little over thirty-five bushels to the acre of wheat. Rye and oats gave a good return.

The later crops of hay received considerable damage from the unusual rains; the fourth seed crop was light. The frequent and late frosts in spring prevented the fruit crop from being quite the average abundance, excepting apples, which have done the best of the large fruits. A large percentage are wormy, and spraying, as advised by law, does not appear to have accomplished what was hoped for it. Many are of the opinion that it does no good; others have proven that it is efficient where applied properly, in season, and persistently. The weather in May and June was very favorable to strawberries, and a very heavy crop of most excellent quality was gathered, the heaviest yields being in Utah, Weber and Box Elder counties. Recent weather has been favorable to the drying of late fruit, and a larger amount than usual has been dried. Taken altogether, the past crop season in Utah has been one of prevailing pleasant weather and profitable yields.

The following is a general summary of the weather conditions:

Peaches—April 16th to 20th; May 1st to 15th; August 7th to 14th.

Wheat—April 14th to 20th; April 25th to 30th; May 25th to 31st; June 7th to 8th; August 25th to September 1st; September 7th to 11th.

Spring wheat—July 10th to August 25th; September 15th to 25th.

Corn—Up to April 25th; April 25th to May 1st; May 1st to 15th; June 7th to 15th; 15th to 20th; September 1st to 8th; 14th to 20th; September 25th to October 5th.

Warm spells—May 5th to 14th; May 24th to June 6th; July 1st to 7th; August 21st; 31st.

Very respectfully submitted,

GEORGE N. MARMOUNT,

Observer Weather Bureau, Director Utah Weather and Crop Service.

HE TOLD THE TRUTH AT LAST.

How Jim's Ticket to Fame Was Lost in Common Garden Ditch.

"Dead broke" is a phrase now more use than "dead broke" ever was before, and it "dated broke" and they really is wicked. It's pretty bad broke" when you haven't even the one nickel for which you want to get from Twenty-third to Fulton street, so to a hurry, couldn't walk for a fortune, and know there's money waiting for you at the other end if you can get there.

This was the case with a young man one day last week, and this is how he got there. Boarding a broadway car at Twenty-third street among a crowd of fellows, he walked forward and took his stand beside the gripman. It was some time before he noticed the conductor was behind him, when he touched the young man, as though he knew he had it to out and tender pockets, fairly trembling that every he couldn't find the supposed he "have to go off." The conductor saw it in that light, too, and politely made way for the young man, who by this time had reached Thirteenth street.

Walking down a few blocks, he boarded the third car following, and this time the conductor called for his fare. Again he affected his searching pockets, and again the conductor waited patiently, while the car spun along until at last the young man anxiously declared that he must have lost his pocketbook. The conductor dinged the bell, declaring that the best thing to be done was to step off and look for it.

Eighth street was now reached, and again at Fifth street a fresh car was boarded. Another search after change was made through and another fairly suggestion from a conducting behind for, but this one said: "Ain't got necessary? Here far are you going? Either off, or you'll better get off." And he got off after these elaborate bits of acting just 20 blocks before his original point.

"I guess I'll try the fresh air," he thought to himself, and this time he stood out on the back platform and didn't make a first class halo his pockets. He had got sick of it, and it wasn't paying either.

"Look here, conductor," he said, "I'm dead broke. Haven't a nickel. Will have lots when I get to Fulton street. Will you give me your number and trust me to ride down?"

"Ride you do," said the conductor, and that motorman hasn't regretted it. He's got more than the fare since, and the young man who began on the line has learned a first rate lesson on the old fashioned policy of honesty.—New York Herald.

Producing New Grapes.

A correspondent of American Agriculturist advises a trial of Esther, a seedling coming from the originator of the Concord. It is a native, white in color, large in bunch and berry, excellent in quality and ripens nearly with Worden. The Rockwood, another of Mr. Bull's grapes, is a very large black extra early variety, brilliant in probably the best of the new multicolored and adapted to the northern states. Columbia will, it is thought, prove to be an acquisition. Green's Golden is a remarkably good winter grape. Those who have not tried Ancient Briar will find it the finest of all good grapes to cover rockeries, arbors, verandas, barns, outbuildings and houses. It is a luxuriant grower, while the fruit is fine.

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