

Crook County Journal

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Surveying Commenced Today on Prineville-Metolius Railroad

Engineer Brewster and a crew of seven men left today to begin the work of surveying the railroad between Prineville and Metolius.

Wonderful Stream Says Engineer Lewis

"There is some truth in the statement that the Deschutes river is the most wonderful stream in the world," said State Engineer John H. Lewis, upon his return from a 10 days' trip covering its entire drainage basin.

In support of his opinion the state engineer has given out some surprising figures which show something of the possibilities of the stream. Information on which these figures are based has required years to collect and thousands of dollars have been spent by the state and from other sources acquiring it.

"The Deschutes river at Benham falls, has a mean annual discharge of 1,220,000 acre feet of water, as shown by eight years' records," said Mr. Lewis. "The minimum year furnished 1,070,000 acre feet, that it is safe to say that there is available at this point for irrigation purposes, 1,000,000 feet of water. This will irrigate 333,000 acres of land, or a strip one mile wide, and 520 miles long.

"The regular flow will ultimately irrigate about 120,000 acres between Bend and Crooked river. Every drop of the remaining water can and should be stored for irrigation purposes through the construction of a 90 foot dam at Benham falls. This could be released in the summer and diverted near Cline falls for the irrigation of 110,000 acres on Agency Plain, for the irrigation of 60,000 acres in the Crooked river bottom near Prineville, and by diverting above Bend, irrigate 50,000 acres in the Benham falls segregation just south of Prineville. Except for an inverted siphon across Crooked River canyon, there are no great engineering difficulties to be overcome, and it appears that this is one of the cheapest in the state to construct.

"The entire flow at the head of the river can be used for the irrigation of about 60,000 acres of land above the the Benham falls reservoir without affecting these figures as the seepage will all be collected in the reservoir below.

"Between Benham falls and Cline falls, there is 1300 feet fall. About 60 per cent of the 1,000,000 acre feet of water will be discharged through the dam for irrigation purposes, during July and August, and will be available for the development of power which can be transmitted economically 200 to 400 miles for the pumping of water to irrigate other lands say along the Columbia river. This water at a 100 foot drop immediately below the dam will furnish 56,800 horsepower, which at 50 per cent plant efficiency will lift 2500 second feet 100 feet above the Columbia river, for the irrigation of 200,000 acres of land. There is another fall of 100 feet a short distance below and above the first diversion for irrigation, and the amount of summer power which

Prineville has not yet secured her full \$75,000 subscription to the 6 per cent bonds but that is a matter that is giving the promoters no concern. It can be raised at any time when things begin to move. By the terms of the subscription agreement work is to begin by August 5 and the road completed in eight months.

can be developed in the 1300 feet to the last diversion at Cline Falls is almost inconceivable.

"The farmers between Squaw creek and the Matoes river have a surveying party in the field locating a seven mile canal from the head of Matoes river, and it is expected that a one-half mile tunnel will pierce the ridge and permit the irrigation of 30,000 to 50,000 acres in this section. This canal, constructed for irrigation purposes, would make available about 25,000 horsepower which can be developed during the winter months only, but which if used in conjunction with the summer power on the Deschutes, would make a valuable and cheap perennial power.

"For the greatest good to the greatest number, the Deschutes river between Cline falls and the junction with Crooked river, should be dried up, except for seepage water. Below this point, the river is of the most value for power, and the total possible diversion for irrigation without considering return seepage, may improve the power value of the lower river.

"Sixteen dam sites have been located in the narrow rock walled canyon from the Columbia river to just below the junction of the Matoes with the Deschutes river. With 4000 second feet at the 1300 feet of fall which can be developed at these sites, 600,000 theoretical horsepower can be generated. With the low and high year flow equalized at the Benham falls reservoir, and with a 120 foot dam in the Crooked river about 40 miles above Prineville, this low water flow can be increased to about 6000 second feet and the power to nearly 900,000 horsepower. This about six times the present installed steam and hydro electric machine capacity in the vicinity of Portland and about 40 times the low water power developed at Oregon City. Besides this, an enormous quantity of power can be developed on the Matoes river, and at other points.

"These possibilities could be greatly complicated by develop-

ment at the wrong time and place, and if carried out under our present wasteful system of competition, the expense to the public will be greatly increased through lack of harmony between plants. After a number of dams have been constructed for power development, the most economical development of additional power would be by increased flow through storage.

"The above information, though preliminary, has been gathered by the state, and the United States geological survey, acting in co-operation. A complete report will be available early next year. This stream affords a striking example, where to secure the highest, most logical and orderly development, the entire stream should be turned over to one corporation subject to regulation, or else developed by the public as the need arises. To promote the immediate and best use of this stream is one of the problems which should receive careful consideration at the hands of the state legislature."

Uncle Sam's Fighters At the Lyric

The gathering of the greatest fleet ever assembled under the American flag set the world agog. One hundred and two fighting vessels strung along the beautiful Hudson River is an inspiring sight, and most appropriate it is that Uncle Sam chose that the magnificent setting for this gigantic display of his strength on the seas. We steam up along the line of grim fighters, then take a survey of the general make-up of several of the biggest of the water bull-dogs, with their trim decks and majestic new-style skeleton masts.

But even more than this, for we now go into the quarters of the men, and call them out on the big parade deck to go through their masterful drills for us. We size up the work of various crews, then watch them at the serious work of keeping their big floating home in order. By this time they are all pretty well tired out, so they adjourn to the forecastle, and start their dances, music, and those hundred and one pranks and tricks that have made your Uncle Sammy's Jacktars the rollicking, jolly sailor boys that they are. This picture is part of the regular program at the Lyric Friday and Saturday evening.

House for Sale.

New five-room bungalow, with space for three large rooms on second floor. Built with built in shelves, bins and drawers. Built in buffet, bath toilet, basement. Terms, \$1000 down, balance easy terms. Address Dr. R. D. Ketchum, Bend, Ore. 6-6

Taft Forces Capture Temporary Chairman

The Taft forces elected Senator Root temporary chairman at the National Republican Convention at Chicago Tuesday, in spite of the fact that Victor Rosewater, chairman of the national committee, consistently ruled out of order every motion made by the Roosevelt forces. It required more than five hours to reach a vote on the chairmanship.

The calling of the roll was beset with difficulties from the first name of the list of delegates to the end. Senator Root won by a vote of 558 to 502 for Gov. McGovern of Wisconsin.

Both the Taft and Roosevelt forces assert that this vote indicates that their candidate is sure to win.

Socialists Hold County Convention

The county convention of the Socialist party of Crook county met in mass convention on Saturday, June 15th. The meeting was held in Stewart's hall and was well attended. The following ticket was nominated and placed in the field: Clerk—Bert D. Barnes, Prineville. County Judge—J. H. Barkley, Culver.

Sheriff—M. J. Maine, Bend. County Commissioner—W. H. Birdsong, Prineville. Superintendent of Schools—Mrs. Della W. Nichols, Laidlaw. Assessor—Henry Bivins, Culver. Treasurer—B. F. Wilhoit, Prineville. Surveyor—Luther Mitke, Bend. Coroner—Glenn Loucks, Madras. Executive Committee—W. H. Birdsong, Chairman, B. F. Wilhoit, Secretary, J. H. Horney, J. H. Barkley, M. J. Maine, Henry Bivins, Bert B. Barnes, J. W. Pettitt, J. R. Benham.

Russian Killed Near Madras

Five Russian railroad laborers from Pelton, a small railroad station a few miles north of Madras, decided to break the monotony of pick and shovel work by taking the handcar to Madras for a jamboree. About 11 o'clock, when the party was well tanked up, they decided to go home. In some way two of the men fell off the car. One was run over and killed and the other got off with a few bruises.

Coroner Hyde and Dr. Edwards held an examination Sunday morning. It was evident to them that the man had been killed accidentally so the body was ordered buried. The man was 29 years of age and a native of Russia.

Expert on Potato Culture Gives Growers Advice

(By C. L. Smith, Agriculturist, O.-W. R. & N. Co.)

The following summary covers the conclusions and suggestions of the most successful potato growers in Eastern Washington.

The best soil for potatoes is a rich, well-drained, rather light loam. For family use, potatoes may be grown upon almost any soil capable of producing grain or grass.

The great thing is to get your soil loosened up deep, full of humus and fine at time of planting.

Fertilizing—Fresh manure tends to produce scab and rot and to injure the quality of potatoes.

Clover sod on land previously enriched by stable manure is perhaps the best condition for a potato crop.

Planting—The average results of early planting are probably best. Next to early planting very late planting is preferable, in order that the potatoes may ripen during the cool weather of fall. Potatoes intended for seed should be kept in a cool cellar. In land well enriched and prepared in the best manner, single eye cuttings are sufficient and probably preferable. The cuttings should be planted as fast as made. Plant only smooth, well-shaped, well-matured tubers of medium to large size that have not formed sprouts. The best tubers from the best bills are the ideal.

Plant in drills running the long way of the field and aim to plant the seed at such a distance apart that the tops when fully grown shall shade the ground like a crop of clover. Strong-growing late va-

rieties would be better planted 16 to 18 inches apart in drills 36 inches apart. The poorer the land, the farther apart the seed should be planted within certain limits. Moderately deep planting (about four inches) with very slight hilling is best for good potato soils, in very light soils a little deeper without hilling, and in very heavy, a little shallower with a little more hilling.

Plant varieties that sell well in market and that yield well. The latter point must generally be settled by experiment.

Cultivation—Drag just as many times as you possibly can, until they begin to prick through the ground. As soon as up, cultivate the ground very fine and very loose, instead of fine and solid, and repeat this cultivation as often as weeds appear on the surface, or the soil is puddled by rains, until nearly time to begin to set. Then cultivate once with a tool that makes a slight ridge about the plants without going more than two inches deep.

Harvesting—Dig when fully ripe and insist that the tubers be not injured in digging. Sort the field, and if prices are fair, sell at once. Do not allow potatoes to lie exposed to the sun in hot weather.

Treatment for Potato Scab—The treatment for scab is this: Soak the seed in a solution consisting of one pound of corrosive sublimate to 1000 pounds of water or two ounces to 15 gallons of water, dissolving the sublimate first in boiling water. Let the seed before cutting soak from one and a half to two hours.

Redmond Man Tell of Our Potato Crop

Even the most optimistic reports regarding the coming potato crop of Oregon which were recently received have passed into eclipse by the latest information brought in from the great central Oregon section by H. Hanks of Redmond.

Mr. Hanks is with the Redmond Wholesale Lumber and Produce Company of the thriving Central Oregon city, and said that the Redmond country would this season market 1000 carloads of potatoes, or practically its first real try at the market.

"We have 2000 acres planted to potatoes within a few miles of Redmond," says Mr. Hanks, "and present expectations are for a crop of 1000 cars. Considering the fact that last

season was the first season that practically anything was grown or marketed in that section, the showing is wonderful.

"Not only will there be a heavy production of potatoes this season, but the output of onions will be enormous. We have between 200 and 300 acres growing in onions at this time. Last year I started production in that country by growing 140 bushels of first-class stock from a single pound of seed."

Mr. Hanks was in town recently in an effort to market several carloads of old crop potatoes which the growers of the Redmond district had overhauled the high market.—Portland Journal.

Smallpox Scare Over at Burns

The few cases of smallpox that were developed in Burns were so completely isolated and special care taken that no new cases have developed and this city is now entirely free from the disease. It has caused some uneasiness upon the part of some but there is no longer any danger. The reports that have gone out respecting the disease has hurt Burns to some extent in a business way, as it was greatly exaggerated. There have been but few cases, yet the knocker has caused the general public to think a terrible epidemic has been raging, while as a matter of fact those who were afflicted had only mild cases.—Times-Herald.

Dog Lost.

Airedale terrier, answers to name of Bosco; black body and tan legs, heavy black leather collar and ring. Return to Dale Jones, Prineville, and get reward. 6-20 2tp

For Sale or Trade.

One Warrior Jack, four years old, for sale or will trade for good horses. Warranted. Address, 6-13-2t NEW SIX, LaPine, Ore.



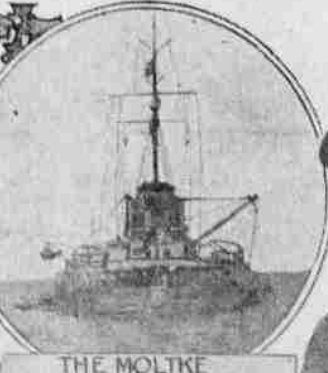
THE LATE SENATOR NIXON



AT THE CHICAGO CONVENTION



MARINES AT GUANTANAMO



THE MOLTKE OFF FORT MONROE



DUCHESS OF CONNAUGHT

Photos of Hadley and Guantanamo by American Press Association. Many of the delegates to the Republican national convention arrived in Chicago. Those in the picture are: 1, D. W. Mulvane of Kansas; 2, Henry S. Chubb of Florida; 3, Cecil Lyon of Texas; 4, A. M. Stevenson of Denver, who is attending the meeting of the national committee as a proxy. Eight hundred marines were landed at Guantanamo, making a total of 1,500 men ready to intervene in Cuba if necessary. Senator Nixon of Nevada died of toxic poisoning following an operation for an abscess. Aviator Hadley was sworn in as a postman to carry mail between New York and Washington. President Taft visited the German fleet in Hampton Roads. The fleet later went to New York. The Duchess of Connaught was stricken with appendicitis, and grave fears were entertained for her life.