

WARRANT CUTS HALT WORK ON COUNTY ROADS

FALL TAX RECEIPTS AWAITED

DAMAGES TOTAL \$9,000

Fund Suffers from Unforeseen Expenditure On North Highway—Regulations To Be Drawn Governing Weight of Truck Loads.

Discounting of county warrants by the banks necessitates the postponement of work on all new road projects in the county, it was learned Saturday from official sources. With the road program as laid out previous to the road bond issue only partially completed, the county court has found it necessary to defer further development and to discontinue work on roads now under way pending the receipt of further funds from the fall tax payments. Chief among the projects affected are mentioned the Tumalo hatchery road, the Terrebonne-Lower Bridge road and the Butler road.

It is explained that the banks are now insisting on the allowance of a discount in cashing road fund warrants and, as most of the outlays are for labor, which cannot stand such a reduction, it has been deemed more advisable to wait until the county's paper will be accepted at par.

Damages Reduce Funds.
Depletion of road funds at this time is due to the damages which were exacted on the Dalles-California highway right of way from Bend to the Jefferson county line, the amount which was withdrawn for this unforeseen expenditure amounting approximately to \$9000.

On the Central Oregon highway there is \$10,000 available from the bond issue, and the work is going on. Trees are being pulled on the right of way and a grading crew is out with a caterpillar tractor. When the money is expended, all work will stop, with the exception of culvert and bridge repair deemed absolutely necessary.

A number of county roads, used for lumber trucking, have been so badly cut up that the court is taking action under the Oregon laws of 1919, and through the district attorney, is asking that all truck operators using the county roads attend a meeting set for 2 o'clock on the afternoon of September 2, in the court rooms, to work out regulations which will feature rules regarding load limits.

Surveys Completed.
Surveys are now complete for the location of the Central Oregon highway from Horse Ridge east to the Lake county line.

On the Redmond-Sisters and the Tumalo-Sisters highways, the sums of \$20,000 and \$25,000, respectively, are available, and the state highway commission has authorized the county to proceed with grading. It is doubtful when this will be started, however, on account of the possibility of heavy right of way damages.

FRIDAY THIRTEEN BRINGS HEAT WAVE

Mercury Goes Soaring On Proverbially Unlucky Day; Heat Record For the Year Is Set.

Friday the 13th is an unlucky day. This is not news—you knew it already. We weren't going to mention it, because our business is news. But when the thermometer took a notion to go soaring up to the highest mark of the summer, it became inevitable. We aren't superstitious, but then, undoubtedly, the date has something to do with the weather. The temperature on Friday was 97, the warmest of the season. Two weeks ago the mercury touched 98 on two successive days. Friday's mark is two degrees cooler than the highest mark last year and three below the record of 100, which was set in 1917.

OREGON DEER SEASON OPENS SEPTEMBER 1

Belief That Date of Opening On Other Side of Cascades Is Earlier, Erroneous.

As the deer season nears, there is considerable confusion in the minds of many Central Oregon hunters as to the exact dates, District Game Warden McDonald declared Friday. Although it is well established that the open season on this side of the Cascades does not commence until September 1, a considerable number are still of the belief that they can cross the summit of the range dividing districts Nos. 1 and 2 and kill deer west of the Cascades on August 15.

As a matter of fact, Mr. McDonald states, the same open season is in effect, in both districts, from September 1 to October 31, inclusive. This excepts Multnomah, Clatsop, Columbia and Tillamook counties, where the season begins on September 15 and ends on December 31.

NEW BAKERY OPENED HERE

The most expensively equipped bread manufactory in Oregon outside of Portland was opened for the inspection of the people of Bend on Tuesday, when production started at I. S. Strasburger's Bake-Rite Sanitary bakery, located in the Sphier building. The opening was to have been several days later, but in response to popular demand, Mr. Strasburger decided not to wait for the arrival of the electric mixer, which will complete the equipment of the establishment.

The new industry occupies the location fronting on Bond and on Minnesota formerly held by the postoffice, and a feature of the bakery as it is conducted by Mr. Strasburger is that every operation in the production of bread and pastry is conducted within full view of patrons of the shop. The work is personally conducted by K. Swanson, expert baker, recently arrived here from Spokane.

An electric revolving Bake-Rite oven, with a capacity of 120 1½-pound loaves every 40 minutes, is installed near the Bond street entrance and an electric doughnut cooker is seen on the other side of the bakery. Proofing cabinets, in which the bread is placed for a short time to prevent too sudden a change of temperature after it leaves the oven, and storage cabinets for the completed product; a bun divider, which will turn out three dozen buns with one movement of a lever, and enameled steel bread troughs are other features of the equipment.

Bake-Rite bread, Mr. Strasburger explains, is made with only the highest grade of flour, and fresh milk enters into its composition. White is the prevailing color in the new bakery and up-to-the-minute sanitary production will be the keynote of the managements' policy.

INDEPENDENT OUT FOR COUNTY JUDGE

A third factor Monday entered into the race which will be held in Deschutes county for the election of county judge when Charles Hofstetter, Tumalo rancher, announced his candidacy as an independent for the position. R. W. Sawyer, incumbent, is the republican nominee, and Mayor J. A. Eastes of Bend is the choice of the democratic party. Mr. Hofstetter was formerly a resident of Bend, working chiefly as a printer in this city.

NEW BUILDING TO BE FINISHED SOON

By the first of September L. B. Baird, who is constructing the new brick office and store building on Bond street, expects to have the new structure completed as far as the upper story is concerned. He is unable as yet to give a definite date on which the work on the first floor will be completed. All office rooms have been leased for some time and the two store rooms will be occupied by R. H. Loven and by the Owl Pharmacy.

NEW HEAD FOR FOREST OFFICE NOW ON DUTY

H. L. PLUMB TO TAKE SUPERVISORSHIP

IS EXPERIENCED MAN

Formerly of Siskiyou Forest and Portland Office—Graduate of Michigan University—Jacobson Turns Over Office.

H. L. Plumb, recently appointed supervisor of the Deschutes National forest to succeed Norman L. Jacobson, who has resigned, arrived in Bend today to take over the position. Jacobson turned over the details of his office on Monday.

Plumb comes from Grants Pass, where he has been deputy supervisor of the Siskiyou forest for the last two months. Previous to this he was forest assistant in the Olympic and Okanogan forests in Washington and, for the last three years, connected with the district forest office in Portland, part of this time in charge of trail construction throughout the district. He is a graduate of the University of Michigan school of forestry and has been in active forest service six years.

"Jacobson has made a wonderful record here," said Plumb on Monday, "and, in taking over his work, I will have my hands full to keep it up to the present standard."

Jacobson, who has just returned from Pine Mountain, reports that work on the Quartz mountain well is progressing slowly and that the forest is becoming dry again.

YOUTHFUL BURGLARS CAUGHT WITH GOODS

Columbia Grocery Entered By Boys—Tobacco and Cigarettes Taken—Located By the Police.

A quantity of plunder, consisting chiefly of tobacco and cigarettes, was taken from the Columbia grocery recently opened by Henry Byrud near the Tumalo avenue bridge on the west side, when two Bend boys, both within the jurisdiction of the juvenile court, entered the establishment by prying off a board which was used to close a window in the rear of the place. The value of the loot was given this morning by Mr. Byrud as slightly over \$13. The older of the boys gave his age as 12 years.

Chief Carlson and Mr. Byrud trailed the boys on Tuesday, finding part of the plunder cached a short distance from the store. The young offenders were located soon afterward.

Star Chamber Sessions for Commercial Club, and Exclusion of News Writers Hudson's Idea; Suggestion Falls Flat

Star chamber sessions and the elimination of newspaper publicity by the Bend Commercial club were advised by C. S. Hudson, president of the First National Bank of Bend, at the weekly meeting of the club held Wednesday at the Pilot Butte inn. His suggestion in which he spoke slightly of the accuracy of newspaper reports, was received without enthusiasm.

Mr. Hudson's recommendation was made when he was called on by President McPherson to give his ideas in regard to the motion of T. H. Foley for the appointment of a committee for the future financing of the club. Mr. Hudson stated that he had no objection to giving his opinion personally to Mr. McPherson, but emphasized that he was unwilling to discuss the question with two newspaper men present. He asserted that he would be in favor of excluding all newspaper men from club meetings, or in default of this to have some officer of the club read copy on every news article before it is printed. A dead silence followed his

BEND PROBABLE MEETING PLACE FOR NEWS MEN

ASTORIA ROYAL HOST, SAYS GUEST

RESOURCES ARE SEEN

Docking Facilities, Flour Mills, and Salmon Canneries Contribute to Prosperity of City Which Entertained Journalists.

Astoria is a royal host. Astoria gave the newspaper editors of the state a three days' round of pleasure, interspersed during the State Editorial association's convention Friday, Saturday and Sunday, during which Bend was recommended as the state's city to entertain the ink daubers in 1921. This was the report of a Bend newspaper man who attended the convention.

Few cities in the Northwest occupy the prominent position in development that is manifested by the big port at the mouth of the Columbia river. Under construction is one of the largest port docks in the world—in fact, second only on one dock, situated in Hamburg, Germany. Recently there opened the thoroughly modern flour mill of the Astoria Milling company, with a capacity of 4000 barrels daily. This flour mill, constructed of concrete, is considered by milling experts to be the last word in sanitation and efficiency.

The canneries along the Columbia at Astoria are turning out their capacity of the famous Columbia river Chinook salmon.

Clatsop county has recently voted a tremendous bond issue of nearly \$3,000,000 to finance the huge construction of docks to accommodate the heavy export and import trade coming via the Columbia.

The editors of the state adopted resolutions favoring legislation looking toward the immediate relief of the print paper situation throughout the country, denouncing the Non-Partisan league, urging legislation looking toward raising the legal rate for publication of legal notices in the state press, and encouraging legislation that will assist in the development of the port of Astoria.

ARRIVAL HELD ON VAGRANCY CHARGE

Percy Santmyer, who arrived in Bend two days ago from Washington, Pa., was arrested Monday by Chief Carlson and is being held on a charge of vagrancy pending investigation in connection with the depot robbery of Sunday night. Santmyer made no admissions this morning when questioned.

BIRD MAKES FLIGHT WITH BROKEN WING

Carrier Pigeon from Sproat Loft Falls Exhausted In River at End of Trip from Odell Lake.

With one wing broken and a foot caught in the aluminum message tube attached to one leg, a carrier pigeon belonging to W. J. Sproat of the Deschutes National forest completed the trip from the Cascade Sky-line survey camp at Odell lake Monday, but fell, exhausted, into the Deschutes river when only a hundred yards from its home on Highland boulevard.

The injured messenger was taken from the water when nearly dead, but will recover from the injuries sustained in its strenuous flight, it is thought. The homing pigeon is one of Mr. Sproat's most valued birds.

STOCK RAISERS TO MEET HERE

The executive committee of the Cattle & Horse Raisers' association will hold a meeting in Bend September 11 at 7:30 p. m., probably in the circuit court rooms, according to an announcement received at the Central Oregon bank recently. All members of the association are requested, and all persons interested in the livestock business are cordially invited, to attend this meeting, or any of the meetings held in September in Eastern Oregon towns. The association, with headquarters at Tumalo, Metolius and Crane Prairie, and other points in this district, will meet with the committee here.

The dates for the meetings, as reported, are: Canyon City, Sept. 3; Burns, Sept. 4; Lakeview, Sept. 5; Klamath Falls, Sept. 7; Ft. Klamath, Sept. 8; Medford, Sept. 9; Bend, Sept. 11; Prineville, Sept. 12. The Lakeview Roundup will be September 4, 5 and 6 and the association officers will stay there from the 5th to the 7th, at the invitation of the Roundup association.

The notice sent out by the secretary promises that the meetings will be both interesting and valuable, and urges the members to be present.

MACHINERY COMING TO BUILD HIGHWAY

Work of Surfacing The Dalles-California Road To Begin Next Week; Contractors Here.

Tractors and other road-building machines are already on the way and will be here in time to start the work of surfacing The Dalles-California highway from Bend to the Jefferson county line, early next week. H. F. Wickner of the firm of Wickner, Sharp, Chindahl Co., successful bidders for the contract, announced today on his arrival in Bend from Portland. Mr. Wickner was accompanied by A. L. Chindahl, who will be in direct charge of operations.

Both Mr. Wickner and Mr. Chindahl plan to make their headquarters in Bend.

GRASSHOPPERS TAKE COUNTY CROPS

Grasshoppers have taken the northern end of Lake county, according to the report of a recent visitor there. In many parts of the county the crops will be reduced 50 per cent on this account.

Previously the grasshoppers have never been able to cross the Klamath marsh, but the water is so low this summer that the insects crossed in great swarms and are doing great damage to all crops.

WANT MEMORIAL SUBSCRIPTIONS

Sheriff S. E. Roberts has been asked by a committee, which has charge of the building of a memorial to the late T. H. Taylor, sheriff of Umatilla county, who was killed by jail breakers several weeks ago, to accept donations toward the memorial from anyone in Deschutes county who wishes to subscribe. Donations will be accepted at the sheriff's office in the court house.

CROSBY REPORT TELLS HISTORY OF EARLY AGES

CRETACEOUS PERIOD STARTING POINT

LAVA DAMMED WATER

Glacial Action Not Important—Natural Reservoir Site Formed at Benham Falls By Rhyolite Dyke, Geologist Writes.

Today The Bulletin begins the publication in the weekly of Professor W. O. Crosby's report on the Benham Falls reservoir site in the belief that its readers will find it extremely interesting. To the one who has his eyes open for the facts of nature there is always something turning up that adds to the pleasure and enjoyment of daily life. The Crosby report, by telling of the geologic facts back of much that we see in this Deschutes country, should make the country itself more interesting and give a new meaning to it all.

The report opens with a summary of the points visited by Prof. Crosby during his stay in Central Oregon last summer. Following this is the list of the works of other scientists which were found of value in connection with the personal investigation necessary in gathering data for the report, with the actual report beginning under the heading of:

OUTLINE OF GEOLOGIC HISTORY

The data gleaned from the foregoing extended review of the literature indicate the following as the probable principal events in the geological history of the region:

For our purpose we need go back no further in geologic time than the Cretaceous period, during which for the last time the sea covered what is now Central Oregon and during the closing stages of which, chiefly, were developed the granitic rocks and the other plutonic or deep-seated igneous formations of the Pacific Coast.

The earliest or Eocene Tertiary was for this region mainly a period of erosion, during which were developed, as wholly independent systems, the great valleys of the Snake and Columbia rivers. The Snake pursued with marked directness a west-southwest course for 800 miles from the Yellowstone National park in northwestern Wyoming to the head of the Sacramento valley in northern California, whence it was unobstructed to the Golden Gate; while the valley of the Columbia, in ancient times as now a complex system of southward and westward drainage, became a vast branching basin of dominant southern trend embracing extensive areas of the great Northwest, on both sides of the international boundary. The dividing ridge of these two great valleys included, as now, the Salmon river, Sawtooth and other mountain ranges of Central Idaho, the Blue or Shoshone mountains of north-eastern and Central Oregon and the Siskiyou and Klamath mountains of southwest Oregon and northern California. The Deschutes river and valley, it will be noted, are wholly on the northwest or Columbia slope of the ridge; and the two ends of the Oregon section of the ridge are the two islands—Siskiyou and Shoshone—covered by Condon's title, "Two islands and what came of them." During this period, also, the conditions were favorable in some parts of the Columbia basin for the formation of important seams of coal.

Lava Not Far-Spreading.

But, finally, these quiet geologic processes were interrupted by the beginning of the development, transverse to the great valleys, of the stupendous Cascade fault. The upthrow of the fault was to the west and marked the beginning of the formation of the Cascade mountains, which, prior to this time, had no existence. The development of the fault fissure was soon characterized by the ejection of immense volumes of lava, mainly, at first, in the form of dust (ash) and fragments (lapilli), followed by flows of molten rock—rhyolite and andesite. Owing