

TWO-THIRDS OF FOREIGN BORN NOW CITIZENS

Naturalization Makes Good Showing in County

SCHOOL AID EXTENDED

Hearings Held in Circuit Court Today Result in Three Taking Oath of Allegiance—Three Cases Continued

Of the 1,026 foreign born white residents of Deschutes county, 375, or slightly over one-third, are not naturalized, according to figures given by E. C. Rowley, examiner for the department of labor, bureau of naturalization, while in Bend Saturday. Of those not naturalized, 308 are men and 67 women. Canadians are most numerous among the foreign born population, there being 212 of that nationality, 181 Norwegians, 139 Swedes, 31 Austrians, 28 Jugo-Slavs and 29 Italians, with smaller numbers from other countries.

Bend has 594, a majority of the foreign born population, with 167 of the men and 45 women unnaturalized.

The new county plan for education and Americanization of aliens is now in operation here, Rowley stated. At the time of application for declaration of intention or for second papers, the applicant is sent to the county school superintendent, who in turn refers him to some competent teacher. At the same time the Seattle headquarters of the bureau is notified, and both the applicant and the teacher are sent free text books and other necessary literature. If the number of applicants is sufficient, a special class is organized for them, but this has not been done here.

Three Take Oath
After repeated attempts, Antonio Zamprelli, born in Italy, and Dragon Mirich, native of Austria, passed their citizenship examination Saturday morning when naturalization proceedings were held in Circuit Judge Duffy's court. With David Kelly, Canadian, they took the oath of allegiance to America.

Absence of Dan Angland, Hendrick Craner and John McKenzie, natives of Ireland, Germany and Canada, respectively, caused their cases to be continued.

BEND SOLDIER DIES AT SAN BERNARDINO

Orville Worley Ends Long Struggle Against Illness in Government Hospital

Word of the suicide Friday of Orville Worley, for nearly two years a patient in government hospitals in California, was received here by friends. The body is being taken to Canyonville from San Bernardino by Worley's sister, Mrs. W. H. May, burial. Worley was a member of Percy A. Stevens Post, No. 4, American Legion. A revolver thought to have been given him by a friend, was used by Worley to end his life.

Worley was born in Roseburg, Oregon April 10, 1893. By occupation he was a machinist and stationary engineer when he enlisted at Portland in the first battalion, Oregon engineers, in July, 1917. A month later he was discharged on a surgeon's certificate of disability, an injury received previous to his enlistment becoming aggravated, and later developing into chronic rheumatism. Hardening of the joints developed, and Worley, who had been making his home with his sister, Mrs. W. H. May, of this city, was admitted in December, 1920, to the government hospital at Palo Alto. From there he was transferred to Arrowhead hospital at San Bernardino. Since his hospitalization he has been bedfast virtually all the time.

A sister, Mrs. C. C. Alley, is a resident of Portland, and it is believed that Worley's mother, Mrs. Irene Fouch, is still in Roseburg.

GRADE STATE STREET FOR THREE BLOCKS

Rapid sales of real estate on the flat below Congress street has caused the Bend Company to have State street, one block west of Congress, graded for the three blocks from Tumalo to Kansas. Most of the lots sold recently have been on Riverside, purchasers being Paul Hosmer, H. N. Fowler, Tracy Fairchild and John J. Cunningham. All are planning to build as soon as possible, according to J. C. Rhodes of the Bend Company.

Bulletin "WANT ADS" Bring Results—Try Them.

SQUAD SHOWS MUCH PROMISE

More Than Two Full Teams at Work Despite Absence of Coach

Even without the presence of Coach Leo Cossman, who has been ill, aspirants for positions on the Bend high school football team are going at the early training with a willingness which promises much for the coming season on the gridiron. Several hours of signal practice and work on fundamentals are taken seriously each evening, with two full teams on the field and several men besides. Cossman will be back on the field next week.

Captain Guy Claypool will be the last letter man to turn out, making his first appearance in a suit next Monday. A serious loss to the team will be felt in the failure of Leo Kohfeld, center on last year's team, to return to school. Kohfeld was an accurate passer, strong on defense and a good place kicker. His place is being filled for the present in signal practice by Stuart Rae, who shows considerable ability, but is one of the lightest men in the lineup.

From present indications, the back field will be much the same as last year, with Philbrook at quarter, Birdsall and McNeely playing the halves, and Norcott at full. All four played last year, although Birdsall was unable to play the entire season. Other backfield men who are showing up well are Moody, who is calling signals for the second team, and Epperson, halfback.

Howell, Clarno and Kribs are lining up at the ends of the line in practice, but Claypool is expected to resume the position which he has held for three years on the right extremity. Boyd seems to be a fixture at tackle, and Erickson, a substitute last year, is showing promise in the other tackle position. Eallek and Harryman, both with experience from last year, are the most likely candidates for guards.

On the second squad are several men who are too young and light to make the team this year, but who show ability which will win them letters in future. Among them are Dugan, McKay and Cottingham. Hall, who entered Bend high this year from Jefferson high of Portland, is also a promising candidate.

FISH LADDER FOR NEW DAM IS ASKED

State Game Officials Here on Way to Inspect Conditions at Crane Prairie

To investigate the possibility of installing a fish ladder at the North Canal Company's storage dam now being constructed at Crane Prairie, W. O. Hadley, in charge of this department of the state game commission's work, was in Bend Saturday from The Dalles. He was accompanied by William Coleman of Medford, who has general supervision of the screening of irrigation and other ditches.

After visiting Crane Prairie, they will go into Lake county.

SHOTGUN COSTS LAD LEFT HAND

Piece, Falling From Auto, Discharged as Boy Reaches for It

(Special to The Bulletin.)
REDMOND, Sept. 25.—Clarkston Buckley, 14 year old son of Mr. and Mrs. W. J. Buckley of this city, blew his left hand off with a shotgun yesterday while returning to Redmond in an auto from a duck hunt in the vicinity of Powell Butte. The boy was reported this morning by Dr. J. F. Hoach, attending physician, to be doing as well as could be expected. The car in which young Buckley was riding was nearing Redmond when a loaded shotgun started to fall from the auto. The boy reached for the piece, and his hand was just over the muzzle when the gun was discharged.

The lad was prominent in grade school track athletics, having represented the Deschutes county schools for several years in the midget and grade competition in high and broad jumping and the pole vault.

The boy's father is one of Central Oregon's pioneers, having been president of the Central Oregon Transportation Company, which operated a four horse stage from Shaniko to Bend for many years before the coming of the railroads.

BOOZE IS OFFERED TO CHIEF HOUSTON

Hospitable Logger Forfeits \$25 Bail After Dance—Ex-Sailor Is Given Fine

Although Willard Houston was introduced by Officer Tom Carlson to Donald Smith, logger, as chief of police, Smith invited both officers to share a bottle with him, and escorted his new found friends to a room in the rear of the Hippodrome where the liquor was cached and readily admitted ownership when asked on this point. The arrest followed, and after reaching the police station, Smith secured his freedom by furnishing \$25 cash bail. He failed to appear for trial in city court Monday morning.

Stanley Mitchell, ex-sailor, was also arrested at the Hippodrome dance, and was booked on a charge of drunkenness and disorderly conduct. Mitchell pleaded guilty in city court today and was fined \$20 or 10 days. He chose the 10 days.

SPRING LAMBS SENT TO CHICAGO MARKET

The first spring lambs to be shipped from Central Oregon this season left last night in a train of 12 cars, consigned to the Chicago market by Rea & Fleming, it was announced today by J. T. Hardy, traveling freight and passenger agent for the Oregon Trunk railway.

CUT THIS OUT—IT IS WORTH MONEY

Cut out this slip, enclose with 5c to Foley & Co., 2835 Sheffield Ave., Chicago, Ill., writing your name and address clearly. You will receive in return a trial package containing Foley's Honey and Tar Compound, for coughs, colds and croup, Foley Kidney Pills and Foley Cathartic Tablets. Sold everywhere.—Adv.

ABANDONMENT OF LINE RECOMMENDED

Public Service Commission Finds No Justification for Two Roads Up Deschutes

SALEM, Sept. 23.—Recommendation that the application of the Oregon Trunk railway for permission to abandon its line between South Junction and Metolius, be granted, is made to the interstate commerce commission by the Oregon public service commission in its report on its findings based on hearings held in Portland last July.

In recommending the abandonment of the line in question the Oregon commission declares that "there does not seem to be sufficient present or future public necessity and convenience to warrant the maintenance and operation of this very expensive property at a great loss to its owners."

In its report to the interstate commerce commission the Oregon commission points out that in the event

Moonshine Plant Cleverly Hidden Near City; Officers Locate Still While Hunting Imported Whiskey

So cleverly had moonshiners who had been distilling on the very edge of the city concealed their operations that the sheriff's office had no hint of their activities until Sheriff S. E. Roberts and Deputy Stokoe, while hunting for a cache of Scotch, stumbled on a 30 gallon plant just north of the dump ground. The officers were unable to locate the imported whiskey.

The still, states Roberts, was complete in every detail, and was

of an entirely new type in this section. The boiler was round, with a retort top, and had apparently been in use not long before. No moonshine could be found, and any mash that might have been used had been carefully disposed of. A five gallon keg and an abundance of bottles were found close to the still.

The entire equipment was brought to Bend and added to Sheriff Roberts' collection at the county jail.

of the abandonment of the 29 mile of railroad between South Junction and Metolius there would be available for highway purposes an excellent grade which would greatly facilitate vehicular traffic between Mecca and South Junction, where two rail-

road lines would be available for shipping.

Territory now served by the Oregon Trunk line would in the event of the abandonment of the line be adequately served by the Deschutes railroad, the report points out.

FARM ADVISER AIDS GROWERS



Hardy W. Campbell, Farm Adviser for the Southern Pacific Company, and grain showing the efficacy of the principles of tillage he advocates. Above, at right, the four heads in the center were grown according to Campbell's plan; the other two by the ordinary method.

Principles of Tillage to Increase Yields Explained by S. P. Farm Adviser.

The same principles of tillage, in preparation of land for crops and subsequent cultivation, which have proven so successful in raising grain crops on Western semi-arid lands without irrigation, are proving successful for crops raised under irrigation and for orchards and vineyards, according to Hardy W. Campbell, Farm Adviser for the Southern Pacific Company. Campbell has inspected this season a number of new orchards and vineyards in California, Oregon, Nevada, Arizona, and New Mexico.

Campbell is the man who evolved what is now called the "Campbell System of Dry Farming." Campbell, however, objects to the word "dry" and insists that the principles used in his present plan apply to all kinds of farming, with or without irrigation, as well as under a much lower rainfall than even now is commonly conceded necessary for successful crops. Campbell emphasizes the importance of proper preparation of the seed-bed and sufficient intelligent cultivation afterwards.

Campbell arranged to address the Nebraska Bankers Association at Omaha, September 22 on the subject of "Soil Fertility by Utility of Soil Water," and to discuss the same subject before the Minnesota Bankers' Association at Minneapolis. On his return from these conventions he will stop at Yuma, Arizona, to investigate conditions there.

Interesting evidence of the direct effect of properly prepared lands was recently received by Campbell from a Metropolis, Nevada, grain field prepared under his direction. In the form of three stools of wheat. One stool had 81 stalks, one 103 and one 120, each the result of one grain of wheat drilled in well prepared soil that was liberally supplied with fertility through well planned and timely work. This crop was raised without irrigation, but was prepared for by summer tillage in 1921 and grown this year.

More evidence of what cultivation of a growing crop means was sent to Campbell by A. B. Shield of Delano, Kern County, California, in four heads of wheat from a stool grown on Shield's ranch. This stool had ample space and was cultivated while growing, no fertilizers or irrigation being used. The stool contained forty-four heads averaging 78 grains each or slightly over 3400 grains from one stool. Such results, says Campbell, simply mean that under certain physical conditions brought about by the right kind of tillage at the proper time, very much more grain, fruit or vegetables may be grown per acre than is commonly obtained. The usual query is "Does it pay?" to which Campbell replies very emphatically in the affirmative.

Campbell saw here in connection with his general observations shows that the real advantage of careful preparation of the soil before setting is sometimes, but not generally fully considered and appreciated.

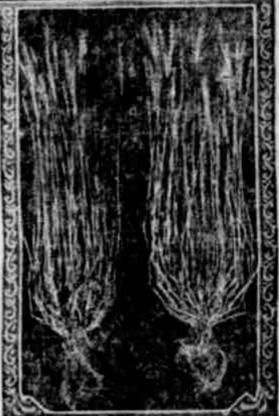
"It is very important to first prepare the surface by leveling," says Campbell. "Then arrange for irrigating in such a manner that water may not only be evenly applied over the whole surface but in as short a time as possible, in other words establish an even surface with reasonably short laterals. Too much water in the soil beneath some trees or too little for others is detrimental, usually. Again, the lower places, especially in heavy soils, gather more water, keeping the surface wet longer and frequently delaying timely cultivation, and not infrequently causing the higher spots to lose much of its already short supply. When the trees or vines reach the bearing period, the profit is increased or decreased in both quantity and quality of the crop. Both of these results are governed by the amount of fertility resulting from soil condition in which the per cent of moisture and air carried therein, especially during the warmer weather, is a big factor. The ability to supply this desired moisture in proper quantities the entire season through each year, is the first consideration.

"The next question is the perfect root bed. This should be supplied liberally with available plant food evenly distributed, so that when the trees or vines are set, there is a condition so favorable that not only the weaker sets may quickly take root and grow vigorously, instead of withering and dying, but a healthy, uniform growth may be obtained the first year, which means much to the early and annual fruitage of the trees or vines.

"To achieve this result, after leveling, the field should be cultivated practically an entire season before setting to trees or vines, with only sufficient irrigation to assist in establishing the ideal root bed which should be both fine and fairly firm from the very start. The object is to continually carry the proper quantity of both air and water through the heated part of the season. Under this condition, with the high percentage of moisture held at the top of the firm soil, through careful and timely cultivation, there will be a liberal development and growth of that most desirable soil bacterium. This procedure increases the much needed plant food more evenly in all parts of the field, before setting, than can possibly be developed after setting. This gives an advantage not otherwise obtainable.

"Much can be said of irrigation and cultivation after setting, but to be brief, care should be taken not to over-irrigate, for to obtain the best results, the soil in and about the root zone must be moist but not wet. When the soil is saturated there is practically no healthy growth. As rule cultivation is not only insufficiently frequent but too often is so untimely as to be of little value.

"There are certain conditions of moisture in the soil following irrigation, the same as following rain, when the high value of cultivation to the final crop is very much greater. These conditions



must be considered. Nothing can prove this more convincingly than the soil auger.

"It is very desirable, so far as possible, to not only carry the high percentage of moisture at the top of the firm soil, immediately below the mulch, but also to induce free access of air throughout the entire growing season. The ideal condition to furnish this is to cover the firm soil with a granular mulch, neither too fine nor too coarse. To obtain this ideal mulch, the cultivation must be done when the soil is moist—not wet or dry. The loosened soil soon dries, leaving the firm soil moist to the top. This is usually easy to obtain in sandy soils, but to do this properly in heavy soils it is sometimes necessary to go over the field a second time, after first going over just enough to loosen the top when the surface is simply dry enough not to stick. This prevents the crusting or drying out. Then the second operation should come one to four days later, after the free water has gone down, leaving the soil moist, when it more readily separates, and makes a finer and much more effective mulch. This procedure means much to the tree, as a higher percentage of moisture is held in the root zone and a crusting and cloddy mulch is prevented.

"The high value of this plan of preparation and one season's cultivation before the setting of the trees or vines, is borne out by the interesting results obtained from careful summer tilling for wheat, oats and barley, and the preciseness of time in doing this work is just as vital. There are numerous records of large yields of wheat as high as 40 to 60 bushels per acre, grown on correctly summer tilled land, where nearby fields, prepared and sowed under the more common plan of 'any old way,' yielded very poorly or nothing at all."

The Southern Pacific Land Department "Bulletin No. 10" deals quite explicitly with questions of increased fertility by tillage. Bulletin No. 12 also explains in detail the summer tilling question as applied to the coast country. One or both may be obtained without cost by letter or personal application to Hardy W. Campbell, 951 Southern Pacific Building, San Francisco. A Bulletin is now under way dealing with tillage and irrigation of orchards and vineyards.

Campbell's greatest pleasure is to visit a farm or ranch where the proprietor or manager feels he is not getting satisfactory returns and work out, as far as possible, a practical remedy. The Southern Pacific follows the theory that its interests are tied up with the territory it serves, and Campbell and the Company wish to be helpful in increasing agricultural productivity.

THIRD ANNUAL Deschutes County FAIR!

Agricultural, Machinery and Industrial Exhibits

Substantial Cash Premiums given in the following classes:

- Horses, Cattle, Swine, Sheep, Poultry Department, School Display, Woman's Department, Farm Products, Grains and Grasses, Fruits and Flowers, Latest Fashions, Horse Racing, Vegetables, Foods, Art Department, Inventions, Wild Horse Races, Trap Shooting.

Arrange to attend every day of this fair, as it will be bigger and better than ever before. Plan to have some of your best stuff entered for some of the premium money. Bring all the family every day.

REMEMBER THE DATE AND COME

Redmond, Oct. 12, 13, 14

WM. WILSON, Pres. W. E. VAN ALLEN, Sec.

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