

**Bulletin Summaries
Water Knowledge**

A brief summary statement of present information concerning ground water supplies in five Oregon regions, together with an outline of additional work needed or contemplated has just been issued in the form of Oregon Experiment station circular No. 124, entitled, "The Ground Water Problem in Oregon."

With more demand for irrigation water both east and west of the Cascades, and with the increasing population needing more domestic water supplies, many inquiries have been received regarding the availability of water from wells.

Until a shortage of funds compelled a halting of the work in 1932, the Oregon Experiment station has cooperated with the United States geological survey in systematic surveys of ground water supplies in three leading areas. Two of these areas, the Harney basin and The Dalles region, have been covered by final reports, while the Willamette valley region has been covered by a preliminary summary of findings.

The Willamette valley is described in the new circular as being essentially a ground water reservoir, the bottom and sides of which are formed from sedimentary and volcanic rocks such as compose the enclosing mountains. Irrigation from wells can be developed in small units adapted to individual farms, although well irrigation ordinarily proves more costly than gravity systems where the latter may be developed.

In the southern part of the valley pumping from wells seems best adapted to irrigation at outlying localities or during the preliminary stages of developing a gravity system, and possibly assisting drainage of depressions in cultivated land by lowering the water table, according to the circular.

Similar brief discussions are contained for The Dalles region, the Harney basin, Milton-Freewater district and the Butter creek basin. A proposed six year program for further investigations, recommended by the state planning board, is appended to the circular.

read and approved. Claims were presented and the Court allowed, continued, or disallowed them, and ordered approved claims paid by proper warrant from the proper funds.

Court heard petition of delegation from Irrigon and agreed to fix roads this fall or as soon as dust could be settled.

Court ordered that \$20 per night be charged for dances held in county dance hall and \$10 per night for smokers.

Sheriff was allowed to hire a deputy during Rodeo at the rate of \$5 per day.

Court orders increase of salaries of deputies as follows: Elbert L. Cox, \$115.00; Neva S. Cochell, \$100.00; Mary Chaffee, \$85.00; and Mrs. Thomson, \$85.00.

Court agreed to sell the NE 1/2 NE 1/4 SE 1/4, SE 1/4 NE 1/4, Section 9, and SW 1/4 NW 1/4, NW 1/4 SW 1/4, Section 10, all in 1 South, Range 24, E. W. M., for \$140.00, payable in ten installments.

Dance license was ordered to be issued to the Ione American Legion Post No. 95, for 1937.

Sheriff was ordered to advertise and sell at public auction the East 99 feet of lots 4 and 5 in Block 4 to Heppner for \$115.00.

General Fund Warrants, July (Except Salaries)

Mack Smith, Emergency (Ditch Creek)	\$ 78.52
First National Bank, Poor	269.17
Pacific Stationery & Printing Company, Clerk	21.99
Sheriff	10.95
Superintendent	1.85
Treasurer	.35
Justice Court	3.65
Frank C. Alfred, District Attorney	7.50
Justice Court	4.70
Humphreys Drug Co., Superintendent	2.70
Lucy E. Rodgers, Supt. mileage	34.20
Incidentals	6.76
Thomas J. Wells, Assessor's mileage	48.85
Incidentals	2.00
Sylva Wells, Assessor	80.50
Chas. Peterson, Assessor	7.50
Employment Donation Fund,	

General Road Warrants, July

Harry Tamblin	\$83.21
Frank W. Gentry	\$52.66
James Farley	\$26.91
Robert S. Wilson	\$18.44
Roy Ball	\$3.99
Frank Walker	\$8.47
John McEntire	\$6.23
Jack E. McEntire	\$4.48
Harry Ford	\$2.24
Nate Thorpe	\$2.24
Charles Dillon	\$3.35
Paul Partlow	\$3.99
Oliver Forbes	\$3.99
Ted Wilson	\$2.24
Harry Tamblin, Jr.	\$26.91
Harry Wells	\$2.99
Ralph Marlatt	\$154.28
Albert Connor	\$86.98
Clair Ashbaugh	\$78.10
W. Cunningham	\$70.63
John Miller	\$60.55
H. Sherer	\$4.48
Harold Peck	\$5.98
Dale Ray	\$16.81
Walter Gilman	\$12.71
Ross Langdon	\$50.08
Glenn Sherer	\$78.12
H. S. Taylor	\$121.23
M. V. Nolan	\$107.73
Jack Stotts	\$80.73
Marion Hayden	\$130.61
Harold Sherer	\$73.61
Harold Peck	\$71.76
Dale Ray	\$53.81
A. J. Chaffee	\$97.89
Vernon Munkers	\$99.74
James Farley	\$23.92
Chas. Williams	\$39.74
Wm. Cunningham	\$7.47
Geo. N. Peck	\$7.50
L. N. Morgan	\$65.10
Walter Gilman	\$37.38
Henry Schwarz	\$116.74
F. S. Parker	\$3.00
Standard Oil Company	\$87.50
Sanders Magneto Service	\$13.33
Union Oil Com-	

Experimental Station Facts and Figures

Comparative tests made by feeding cows alfalfa hay with and without grain on the Hermiston branch experiment station indicate that it is profitable to feed grain to cows that are capable of producing a good volume of milk. Feed costs per pound of fat were about the same with both groups, but the cows fed grain produced consistently higher. Fears that a straight ration of alfalfa hay might be a cause of poor breeding efficiency were not borne out by the test, however, as there appeared to be no difference in this respect between the two groups.

The ability of trashy fallow to prevent water erosion, even under exceptional conditions, was demonstrated this summer in an area in Umatilla county where a near cloudburst struck. A field with trashy fallow held the downpour with no perceptible erosion, while a neighboring field which had been summer fallowed the old way was washed out to plow depth. In five years of testing on the Pendleton branch experiment station there has been only one year in which the yield on disked trashy fallow was significantly lower than on the old clean cultivated type.

Experimental Station Facts and Figures

MOUNTAIN TRAVEL

In traveling through mountainous country remember this simple rule: use the same gear going down a hill as you used in going up it, warns the Oregon State Motor association.

Court Proceedings For July Term

Court met on Wednesday, July 7th, with the following members present: Bert Johnson, County Judge; George N. Peck, Commissioner; L. D. Neill, Commissioner; C. J. D. Bauman, Sheriff; C. W. Barlow, Clerk; Frank C. Alfred, District Attorney.

Minutes of the June term were

Small farm for sale. See Wm. Le-Trace, city. 23-26

12 fine wool rams for sale. Joe Kenny, Heppner. 23tf.

100 head young ewes for sale or trade for cattle. Will keep until Sept. 1. W. H. French, Hardman. 23

For Sale—Luitweiler deep well pump, in fine condition; cap. 100 gals. per min., 200 foot lift, complete, with drop pipe, rods, etc., suitable for irrigation. Cheap if sold at once. Apple Growers Association, Hood River, Ore. 23

To trade—30 Remington automatic for .35. Will pay difference. Homer Tucker, city. 2223p

Room and board available with Mrs. Rosa Eskelson. Will take teachers, high school students, or others.

6 ft. McCormick Deering binder, nearly new. W. H. Cleveland, city. 17-30p

International combine harvester, 16-ft. cut, to trade for sheep, calves or ? Write Box 23, Condon, Ore. 16-23p

Want Ads

Watch Your Kidneys!

Help Them Cleanse the Blood of Harmful Body Waste

Your kidneys are constantly filtering waste matter from the blood stream. But kidneys sometimes lag in their work—do not act as Nature intended—fail to remove impurities that, if retained, may poison the system and upset the whole body machinery.

Symptoms may be nagging backache, persistent headache, attacks of dizziness, getting up nights, swelling, puffiness under the eyes—a feeling of nervous anxiety and loss of pep and strength. Other signs of kidney or bladder disorder may be burning, scanty or too frequent urination.

There should be no doubt that prompt treatment is wiser than neglect. Use Doan's Pills. Doan's have been winning new friends for more than forty years. They have a nation-wide reputation. Are recommended by grateful people the country over. Ask your neighbor!

DOAN'S PILLS

KEEP COOL

At least an occasional respite from the hot kitchen will make the summer days less burdensome . . . Such respite will be given by our zestful menus.

Try Our FOUNTAIN SERVICE

A Good Meal Anytime at the **Elkhorn Restaurant**

ED CHINN, Prop.

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At least an occasional respite from the hot kitchen will make the summer days less burdensome . . . Such respite will be given by our zestful menus.

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Poor 15.00

Oregon State College; County Agent 1,100.00

C. J. D. Bauman, Circuit Ct. Sheriff 42.65 33.85

Harry Tamblin, Watermaster Pac. Power & Light Co., Courthouse 8.50 39.87

Heppner Gazette Times, official Publications 19.18

Sheriff 6.80

Lovinger Disinfectant Co., Courthouse 164.30

Clarke F. Davis, Courthouse State Industrial Acc. Com., Sheriff 7.82

Ditch Creek (Emergency) 2.59

M. Clarke Webb, Sealer 5.29

E. R. Huston, Jail 17.94

Thomson Bros., Ditch Creek (Emergency) 6.90

West Coast Printing & Binding Co., Clerk 6.25

Supt. 4.70

Alex Green, Ditch Creek (Emergency) 1.50

Case Furniture Co., Circuit Court 7.32

Gilliam & Bisbee, Courthouse 9.93

Bert Johnson, County Court 8.35

George N. Peck, County Ct. L. D. Neill, County Court 42.20

Oregon State College, Emergency 60.00

First National Bank, Poor 7.89

First National Bank, Widows' Pensions 92.90

First National Bank, Old Age Pensions 308.74

City of Heppner, Emergency 100.00

Total \$4,031.65

General Road Warrants, July

Harry Tamblin \$83.21, Frank W. Gentry \$52.66, James Farley \$26.91, Robert S. Wilson \$18.44, Roy Ball \$3.99, Frank Walker \$8.47, John McEntire \$6.23, Jack E. McEntire \$4.48, Harry Ford \$2.24, Nate Thorpe \$2.24, Charles Dillon \$3.35, Paul Partlow \$3.99, Oliver Forbes \$3.99, Ted Wilson \$2.24, Harry Tamblin, Jr., \$26.91, Harry Wells \$2.99, Ralph Marlatt \$154.28, Albert Connor \$86.98, Clair Ashbaugh \$78.10, W. Cunningham \$70.63, John Miller \$60.55, H. Sherer \$4.48, Harold Peck \$5.98, Dale Ray \$16.81, Walter Gilman \$12.71, Ross Langdon \$50.08, Glenn Sherer \$78.12, H. S. Taylor \$121.23, M. V. Nolan \$107.73, Jack Stotts \$80.73, Marion Hayden \$130.61, Harold Sherer \$73.61, Harold Peck \$71.76, Dale Ray \$53.81, A. J. Chaffee \$97.89, Vernon Munkers \$99.74, James Farley \$23.92, Chas. Williams \$39.74, Wm. Cunningham \$7.47, Geo. N. Peck \$7.50, L. N. Morgan \$65.10, Walter Gilman \$37.38, Henry Schwarz \$116.74, F. S. Parker \$3.00, Standard Oil Company \$87.50, Sanders Magneto Service \$13.33, Union Oil Com-

pany \$507.94, Heppner Blacksmith & Machinery Co. \$97.06, Braden-Bell Company 171.75, Heppner Gazette Times \$43.20, Pac. Power & Light Co. \$2.60, State Indus. Acc. Comm. \$63.80, Harry Tamblin \$28.39, Ferguson Motor Company \$77.19, Frank Nixon \$45.77, E. R. Lundell \$25.35, Pure Iron Culv. & Mfg. Co. \$44.93, Austin-Western Road Mchy. Co. \$4.56, Tum A-Lum Lumber Co. \$243.85, Feenaughty Machy. Company \$1,002.69, Howard-Cooper Corp. \$63.96, Isaacson Iron Works \$27.00, C. A. Kane \$27.45, Pure Iron Culv. & Mfg. Co. \$144.50, Foster A. Odom \$40.00, Shell Oil Company \$72.87, Beall Pipe & Tank Co. \$247.35, Wm. Greener \$52.80, Frank Dunsath \$22.20, City of Heppner \$2.80, A. K. McMurdo \$22.90, J. B. Adams \$45.52, John Allen \$20.16, Everett Hadley \$2.16, James Stevens \$13.18, Jess Coats \$2.24, Lewis Batty \$6.90, Woodrow Tucker \$8.96, J. O. Swearington \$20.48, Gilliam & Bisbee \$60.55, L. A. Snow Company \$131.20, C. R. Langdon \$5.98, Harry Tamblin \$3.34, Leonard Carlson \$12.50, Henry Schwarz \$50.00, Jack Stotts \$10.00, John Miller \$44.85. Total \$5,649.58.

Market Road Warrants, July

Harry Tamblin \$83.21, Frank W. Gentry \$30.94, Jim Farley \$17.94, A. J. Chaffee \$12.34, James Farley \$8.22, L. N. Morgan \$51.64, Walter Gilman \$28.40, Harry Tamblin \$49.80, State Industrial Accident Commission \$5.46. Total \$287.95.

NOTICE OF ADMINISTRATOR'S SALE OF REAL PROPERTY

Notice is hereby given that the undersigned, administrator of the estate of James A. Knighten, deceased, will on and after the 3rd day of September, 1937, offer for sale and sell for cash to the highest bidder, the following described real property, situate in Morrow County, State of Oregon, to-wit:

E 1/2 of SE 1/4, Sec. 21; W 1/2 of SW 1/4, Sec. 22; NE 1/4 of SW 1/4 of Sec. 22; NE 1/4 of NE 1/4 of Sec. 28 and NW 1/4 of NW 1/4 of Sec. 27, all in Township Five South, Range Twenty-Six east of Willamette Meridian.

Sale to be made at private sale for cash.

LEWIS E. KNIGHTEN, Administrator of the estate of James A. Knighten.

Date of first publication August 5, 1937.

Date of last publication September 2, 1937.

NOTICE TO CREDITORS

Notice is hereby given that the undersigned was duly appointed by the County Court of the State of Oregon for Morrow County, executor of the estate of MOLLIE JOHNSON, deceased, and all persons having claims against the estate of said deceased are hereby required to present the same with proper vouchers duly verified as required by law, to the undersigned at the law office of Jos. J. Nys, at Heppner, Oregon, within six months from the date hereof.

Dated and first published this 5th day of August, 1937.

JEFF JONES, Executor.

NOTICE TO CREDITORS

Notice is hereby given that the undersigned was duly appointed by the County Court of the State of Oregon for Morrow County, administrator of the estate of J. H. Jones, deceased, and all persons having claims against the estate of said deceased are hereby required to present the same to the undersigned administrator with proper vouchers as required by law at the law office of W. Vawter Parker, at Heppner, Morrow County, Oregon, within six months from the date hereof.

Dated and first published this 5th day of August, 1937.

FRED M. AKERS, Administrator.

OFFICIAL PROPOSAL

Sealed bids will be received by the City of Heppner up until 6 o'clock, on the evening of August 16, 1937, at the City Hall in Heppner, for:

1. The construction of a reinforced concrete roof over the existing old reservoir in the City of Heppner.
2. The cleaning and water-proofing treatment of the walls of the aforesaid reservoir, and
3. Repairs to be made to the existing intake.

It has been estimated that approx-

imately 26 cubic yards of concrete will be involved.

Specifications and plans for the construction of the above may be obtained from the City Recorder of the City of Heppner upon deposit of \$2.00. This deposit may be returned to the bidder upon receipt of the same specifications and plans in good condition.

E. R. HUSTON, City Recorder.

OFFICIAL PROPOSAL

Sealed bids will be received by the City of Heppner up until 6 o'clock, on the evening of August 16, 1937, at the City Hall in Heppner, for the purchase of approximately 750 feet of 12 gauge steel pipe.

Specifications for the above mentioned pipe may be procured from the City Recorder of the City of Heppner.

E. R. HUSTON, City Recorder.

NOTICE TO CREDITORS

Notice is hereby given that the undersigned was duly appointed by the County Court of the State of Oregon for Morrow County, executor of the estate of LUCRETIA SOMMO, deceased, and all persons having claims against the estate of said deceased are hereby required to present the same with proper vouchers to the undersigned executor at his office at Heppner, Oregon, within six months from the date hereof.

Dated and first published this 5th day of August, 1937.

JOS. J. NYS, Executor.

NOTICE TO TAXPAYERS

NOTICE IS HEREBY GIVEN that on the second Monday in August (Monday, August 9, 1937) the Board of Equalization of Morrow County, Oregon, will attend, at the Court House in Heppner, Oregon, and publicly examine the assessment rolls of said County for the year 1938, and will correct errors in valuation, description or quality of land, lots or other property, assessed by the Assessor of Morrow County, Oregon, as of March 1, 1937.

All persons interested or having any complaints against their assessments for the year 1938, should appear at that time. Petitions for the reduction in assessment must be in writing, verified by oath of applicant or his attorney and must be filed with the board the first week it is in session. Any petition or application not so made, verified and filed shall not be considered or acted upon by the board.

Dated at Heppner, Oregon, July 15th, 1937.

THOMAS J. WELLS, Assessor, 19-22 Morrow County, Oregon.

IN THE CIRCUIT COURT OF THE STATE OF OREGON FOR THE COUNTY OF MORROW.

KINZUA PINE MILLS COMPANY, a corporation, Plaintiff,

vs.

HIRAM M. HAMILTON and CARRIE L. HAMILTON, his wife, also all the unknown heirs of Hiram M. Hamilton, deceased. Also all other persons or parties unknown claiming any right, title, estate, lien or interest in the real estate described in the complaint herein, Defendants.

SUMMONS.
Equity No. 3246.

To Hiram M. Hamilton, and Carrie L. Hamilton, his wife, also all the unknown heirs of Hiram M. Hamilton, deceased; and also all other persons or parties unknown claiming any right, title, estate, lien or interest in the real estate described in the complaint herein, Defendants:

IN THE NAME OF THE STATE OF OREGON, you and each of you are hereby required to appear or answer plaintiff's complaint filed against you in the above entitled court and cause on or before four weeks from the date of the first publication of this summons upon you and if you fail to so appear or answer, plaintiff will apply to the above entitled court for the relief prayed for in its complaint, to-wit: That you and each of you be required to assert and set forth the nature of your right, title, estate, lien or interest in the real property described in plaintiff's complaint and as follows, to-wit:

The SE 1/4 of the NW 1/4 of Section 26 in Township six (6) South, Range 25 East of Willamette Meridian, in Morrow County, Oregon, and it be adjudged and decreed that plaintiff is the owner in fee simple of the said real property and that you and each of you be forever barred of and from all right, title, estate, lien or interest in and to said real property and for such other and further relief as may be just and equitable.

This summons is served upon you by publication thereof once a week for four successive weeks in the Heppner Gazette Times, a newspaper of general circulation, published in Morrow County, Oregon, pursuant to an order of Hon. Bert Johnson, Judge of the County Court of the State of Oregon for Morrow County, which order is dated July 20th, 1937, and the date of the first publication of this summons is July 22nd, 1937.

JOS. J. NYS, Attorney for Plaintiff, Residence and Postoffice Address, Heppner, Oregon. 20-24