

AGRICULTURE AND LIVESTOCK NEWS

Up-to-date Information to Help Develop Progressive Farming

Ammonia Tries to Escape
To prevent loss of ammonia from manure either land plaster or super-phosphate can be used to advantage by putting a handful of the material in the gutter behind each animal once a day. Super-phosphate contains both phosphorous and land plaster, hence is of more value to the land. Hydrated lime or ground limestone should never be used with manure as they hasten the loss of ammonia.—O. A. C. Experiment station.

Vetch Aphid Scares
Growers will not need to fear the vetch aphid as much as usual if early indications hold true. The severe winter seems to have destroyed most of these troublesome pests.—O. A. C. Experiment Station.

Bees Need Water
Be sure your bees have a permanent supply of water near the apiary. This is especially important in the spring. Measure your success as a beekeeper by the average yearly production of honey from your colonies, and not by the number of swarms you get. Learn to prevent swarms.—O. A. C. Experiment station.

Climbing Pests Hurt Trees
Young pear and fibbert orchards especially suffer serious injury in the early spring from bud weevils, climbing cutworms, and similar bud-infesting insect pests. This is especially true where the orchard is on new ground. Barriers of tree tanglefoot placed around the trunks 11 to 18 inches from the ground are an effective check against these pests. Home-made barriers of cotton batting may be used. Cut the batting four inches wide and long enough to lap slightly. Tie it reasonably tight a the lower edge with a thin cotton string. Then take hold of upper edge and pull the band down over the tied edge. If then forms a fluffy, funnel shaped barrier.—O. A. C. Experiment station.

LEADING SWEET CHERRIES NEED CROSS-POLLINATION
Oregon's leading sweet cherries—Napoleon or Royal Ann, Bing and Lambert—are not only self-sterile but inter-sterile as well. This startling fact was brought out and announced

by the state college experiment station way back in 1911, 1912, and 1913. Based on these findings recommendations were made to topwork about 11 per cent of all sweet cherries in commercial orchards with pollenizers. Black Tartarian and Black Republican were recommended as pollenizers for the dark species such as Bing and Lambert, and Waterhouse for the light colored such as Royal Ann and Napoleon.

How many growers acted on the recommendations is not known but that at least five per cent of them did is certain. The net gain annually from even this small percentage of full bearing trees is about \$72,000. Had all growers followed the plan it is estimated the annual value of the cherry crop in Oregon would be five times what it is now—\$1,800,000 instead of \$36,000 as at present. Growers who have reported on the plan had better results than the estimated 500 per cent increase in production.

WOMEN LEARN HAT MAKING
Thirteen two and three day millinery schools conducted in various Oregon counties by home demonstration agents with the assistance of Esther B. Cooley, assistant in clothing, have engaged the interest of women quite fully during the last six weeks. Straw hats and cloth hats and new and renewed hats have been worked out to a becoming finish for over 200 women. It has been the aim of this institution to give the women technical points in construction of hats that will aid them in solving future hat problems. The counties conducting these schools were Morrow, Deschutes, Crook, Union, Malheur, Jackson, and Josephine.

Spring Handling of Bees
More than usual care should be exercised in removing bees from their winter home in the cellar, according to F. B. Paddock, state apiarist of Iowa. Bees that have been successfully wintered are generally ready to be put out of doors by the middle of March. However, the beekeeper must be a skillful judge of weather. Bees should not be removed from the cellar on a warm day. If this is done, they will invariably fly away and become lost. Bees will fly at tempera-

tures of from 40 to 50 degrees. Many beekeepers prefer to move the bees at night, especially if the night and the following day are cool.

If the food stores of the bees are light, they must be given extra food. Pure honey which is known to be disease-free is preferable, according to Mr. Paddock. It is best to buy the honey, dilute it 50 per cent with water and boil for thirty minutes. If honey is not available, sugar syrup may be used as feed.

Creosoting Fence Posts
"I have a lot of soft maple that would make nice fence posts if they were treated to prevent rotting. Would it be profitable for me to install a plant to creosote 5,000 maple fence posts this winter? Oak posts cost 15 cents each and cedar posts 50 cents in this locality."

Creosote seems to be selling at around 40 to 50 cents a gallon, or at about three times the pre-war normal. At this price it will probably cost our correspondent from 30 to 40 cents to give the average soft maple fence post a thorough creosote treatment. After treatment a soft maple post should last just about as long as an untreated red cedar. If our correspondent is interested in looking into further details of treating fence posts with creosote, we suggest that he write to the Iowa station at Ames for Bulletin No. 158; also look up some of the made-up preservatives.

Helping The Walnut Growers
The U. S. Senate sub-committee has adopted his resolution providing for an appropriation with which to investigate the Manchurian walnut industry. This will allow an expert to be detailed to Manchuria to obtain data on the whole industry of that country.

"The problem of the importation of the Manchurian walnut is becoming critical. Nearly 7,000,000 pounds of Manchurian walnuts were imported to San Francisco during December and January, with an average valuation of \$ 1.2 cents per pound. Senator McNary has been cooperating with the Oregon Growers to reduce the walnut importation which is a serious menace to our home industry."

Held, \$2.49; John Marshall, \$13.69; A. H. Miller, \$17.95.
ROAD DISTRICT No. 41—Paul R. (Continued on Page 8)

NOTICE OF FINAL ACCOUNT

Notice is hereby given that the undersigned, as Administrator of the estate of Hannah Llewellyn, deceased has filed his final account in the office of the County Clerk of Clackamas County, Oregon, and that Friday, the 12th day of May 1922, at the hour of 10 A. M. of said day, in the County Court Room of said County has been appointed by said Court as the time and place for the hearing of objections thereto and the settlement thereof.

Dated and first published April 13, 1922.
Last publication May 11, 1922.
C. W. HAYHURST,
Administrator of the estate of Hannah Llewellyn, deceased. (4-13-5)

SUMMONS

In the Circuit Court of the State of Oregon for Clackamas County
Lauretta F. Ferguson, Plaintiff,
vs.
Robert J. Ferguson, Defendant.

To Robert J. Ferguson, the above named defendant.
In the Name of the State of Oregon; You are hereby required to appear and answer the complaint filed against you in the above entitled suit on or before the expiration six weeks from the date of the first publication of this summons, which date of expiration is fixed by order of the above entitled Court as June 1, 1922; if you so fail to appear and answer plaintiff will apply to the Court for the relief prayed for in his complaint, to-wit: for a decree of absolute divorce and for the care and custody of the minor child named in the complaint and for general relief.

This summons is published by order of J. U. Campbell, Judge of the above entitled Court.
The order is dated April 15, 1922.
Date of first publication April 20, 1922.
Date of last publication June 1, 1922.

J. NAT HUDSON,
Address 209 McKay Bldg., Portland, Oregon, Attorney for plaintiff.

NOTICE OF FINAL SETTLEMENT

Notice is hereby given that the undersigned has filed his final report in the estate of Phillip J. Ott, deceased and the Court has set Monday the 15th day of May, 1922, at the hour of 10 o'clock A. M. on said day in the County Court Room in the County Court House in Oregon City, Oregon, as the time and place for hearing any and all objections to said final report, and the discharge of said administrator.

Dated 13th day of April, 1922.
ISAAC OTT,
Administrator of the estate of Phillip J. Ott, deceased.
G. B. DIMICK & W. L. MULVEY,
Attorneys for administrator. (4-13-5)

SUMMONS

In the Circuit Court of the State of Oregon for Clackamas County
Ralph Bush, Plaintiff,
vs.
Pansy Bush, Defendant.

To Pansy Bush, the above named defendant.
In the name of the State of Oregon you are hereby required to appear and answer the complaint filed against

you in the above entitled Court and cause on or before Thursday, the 4th day of May, 1922, and if you fail to so appear and answer said complaint, for want thereof, plaintiff will apply to the Court for the relief prayed for in his complaint on file in said cause, to-wit:

For a decree dissolving the marriage contract heretofore and now existing between plaintiff and defendant, and for such other and further relief as to this Court may seem meet and equitable.

This summons is published by order of the Honorable J. U. Campbell, Judge of the above entitled Court, and the first publication thereof to be Thursday the 30th day of March, 1922, and the date of the last publication hereof to be Thursday, the 11th day of May, 1922.

G. B. DIMICK & W. L. MULVEY,
Attorneys for Plaintiff, Oregon City Oregon. 3-30-7L

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NOTICE OF FINAL ACCOUNT OF ADMINISTRATOR

In the Matter of the Estate of Joseph W. Farrar, Deceased: Notice is hereby given that the undersigned, administrator of the estate of Joseph W. Farrar, deceased, has filed his final account in said estate in the County Court of the State of Oregon for Clackamas County, and that the Judge of said court has appointed Monday, the 22nd day of May, 1922, at 9 o'clock in the forenoon of said day, as the time for hearing objections to said final account and the settlement thereof.

All heirs, creditors or other persons interested in said estate are hereby notified and required to file their objections to said final account in said court and estate on or before said date appointed for the hearing of the same.
Dated at Oregon City, Oregon, April 10th, 1922.
LORING K. ADAMS,
Administrator.
Date of first publication April 13, 1922.
Date of last publication May 11, 1922. (4-13-5L)

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The County Court

EXPENDITURES FOR THE MONTH OF MARCH, 1922

ROAD DISTRICT No. 11—A. Mathers, \$90.25; V. C. Jackson, \$13.40; Oswego Lake Water, Light & Power Co., \$57.35; G. S. Bullock, \$554.20; G. Hunsucker, \$59.80; J. Thomas, \$26.14; J. Quigley, \$26.14; H. Worthington, \$2.49; Wm. Lorenz, \$4.47; C. H. McFerron, \$12.45; Dan Reynolds, \$12.45; J. H. Cox, \$82.22; F. E. Davidson, \$197.55; Lloyd Davidson, \$14.94; F. E. Whitten, \$34.93; J. P. Cook, \$29.88; F. E. Davidson, \$15.96; O. C. Davidson, \$13.72.

ROAD DISTRICT No. 12—Standard Oil Company, \$500; Standard Oil Company, \$500; L. Endizzi, \$7.47; E. M. Lecker, \$7.47; A. Worthington, \$15.96; J. Sigrist, \$7.47; J. Johnson, \$7.47.

ROAD DISTRICT No. 13—A. A. Wood, \$28.69; E. L. Baker, \$4.99; F. Chapman, \$9.98.

ROAD DISTRICT No. 14—Hogg Brothers, \$1.10; George Oldenstadt, \$14.97; Smith Turner, \$17.46; Fred Scherer, \$7.48; Amos Mays, \$1.24; J. M. Turner, \$27.93; H. Gephardt, \$22.24.

ROAD DISTRICT No. 15—N. S. Oldham, \$9.98; Sam Moser, \$3.99.

ROAD DISTRICT No. 16—Schuld Brothers, \$23.00; Portland Railway, Light and Power Company, \$16.38; O. P. Roethe, \$134.70; D. J. Abbey, \$22.45; J. S. Blair, \$1.24; C. D. Atchley, \$6.23; H. C. Faulk, \$12.45; Ira Hart, \$2.49; Hans Baumgartner, \$12.45; J. S. Booth, \$11.20.

ROAD DISTRICT No. 17—Clackamas Garage, \$2.72; J. W. Hart, \$133.96; W. E. Godsey, \$3.45; Verdenius Robinson Motor Company, \$5.33; Milwaukee Service Station, \$9.00; Standard Oil Company, \$63.52; Schuld Brothers, \$458.75; W. H. Counsell, \$60.00; Wm. Strange, \$69.86; Earl Atwood, \$39.92; R. Atwood, \$39.93; D. Kanne, \$29.94; Jno Davis, \$9.98; H. Ameerle, \$62.29; W. H. Counsell, \$99.75; G. Beecham, \$47.31; C. E. Battin, \$47.84; H. Stratton, \$14.94; G. Hartung, \$14.94; Jno. Young, \$19.92; F. Walthers, \$14.94; C. Parry, \$12.45; O. Walsh, \$22.37; C. H. Counsell, \$35.88; Geo. Haylet, \$27.39; T. E. Bruck, \$17.45; H. Imel, \$24.95; Peter Schuld, \$184.69; Seth Cook, \$234.52; Art Wetmore, \$195.15; S. Gibson, \$73.40; E. Dause, \$76.76; D. Mazzie, \$189.82.

ROAD DISTRICT No. 19—Schuld Brothers, \$22.50; Pete Schuld, \$43.10; J. W. Schuld, \$21.00; F. M. Townsend, \$9.97.

ROAD DISTRICT No. 20—Matt Greenslade, \$14.90; C. A. Vincent Co., \$29.70; Joe Papsch, \$49.33; Hugh Lays, \$43.57; Walter Hall, \$38.58; Walter Young, \$90.83; Lawrence Stradley, \$14.94; Christ Eckert, \$29.88; Herman Siebert, \$47.83; Carl Wolfhagen, \$28.63; H. Branson, \$14.97.

ROAD DISTRICT No. 21—Schuld Brothers, \$33.00; Damascus Telephone Co., \$2.95; Portland Railway, Light and Power Company, \$54.18; Jake DeYoung, \$75.38; Phillip Schanzen, \$34.93; Albert Hoffmeister, \$7.47; August Walch, \$4.99; Emil Exely, \$4.99; Arthur Gran, \$4.98; W. L. Sharkley, \$4.98; Oscar Noreen, \$2.49.

ROAD DISTRICT No. 22—Eri & Jonsrud, \$13.25; Schuld Brothers, \$76.00; Portland Railway, Light and Power Co., \$45.36; Portland Railway, Light and Power Co., \$25.20; Portland Railway, Light and Power Company, \$66.78; M. H. Wheeler, \$63.84; J. A. Imel, \$26.14; W. E. Wheeler, \$69.86; Victor Johnson, \$19.99; C. J. Lecker, \$42.41; V. H. Hillyard, \$29.94; C. A. Wheeler, \$14.94; Frank Van Dolmen, \$29.94; S. S. Waybill, \$2.49.

ROAD DISTRICT No. 23—Schuld Brothers, \$53.00; Eri & Jonsrud, \$10.00; Portland Railway, Light and Power Company, \$99.53; Fred Wagner, \$43.87; F. G. Wagner, \$13.71; Frank Beers, \$4.99; D. S. Robertson, \$4.99. W. H. Bancke, \$7.48; Elbert Killen, \$4.99; L. L. Griffin, \$4.99; Peter Hauglum, \$20.58; Alvin Andrews, \$2.49; Albert Ault, \$2.49.

ROAD DISTRICT No. 25—Portland Railway, Light and Power Co., \$38.36; Sandy Lbr. Co., \$50.00; Paul R. Meinig, \$17.40; George A. Ten Eyck, \$26.18; Nicholas Vanderhoof, \$9.96; Otto Aschoff, \$4.98; Henry Helms, \$4.98; Carl Helms, \$4.98; J. A. Roberts, \$6.22.

ROAD DISTRICT No. 26—Paul R. Meinig, \$4.60; Sandy Lbr. Co., \$6.55; Carl B. Schilling, \$22.41; Joe Hilsencompf, \$22.41; W. A. Stone, \$40.89.

ROAD DISTRICT No. 28—W. Widmer, \$13.96; Henry Herman, \$14.35; Will Bell, \$14.35; Gust Finger, \$7.47.

ROAD DISTRICT No. 29—Eri & Jonsrud, \$15.25; D. L. Erdman, \$7.98; A. M. Mowrey, \$17.46; C. Hansen, \$17.46; E. Borling, \$7.47; H. Ackerson, \$8.71.

ROAD DISTRICT No. 31—Eli Swales, \$43.57; Clarence Swales, \$54.78; John Tschopp, \$48.17; Henry Tschopp, \$101.04; Henry Swales, \$154.78.

ROAD DISTRICT No. 33—Oregon City Sand & Gravel Company, \$121.50; Parkplace Store, \$1.00; R. Mattoon, \$70.20; C. R. Livesay, \$33.88; J. R. Livesay, \$13.68; O. W. Imel, \$4.97; E. R. Graves, \$2.73.

ROAD DISTRICT No. 34—Hal Lindley, \$17.46; E. L. Blackburn, \$12.44; C. T. Blackburn, \$17.95.

ROAD DISTRICT No. 35—J. E. McCluer, \$10.00; Braatz, Wm., \$15.98; Johnson, A. E., \$2.49; H. A. Allen, \$11.98; Wm. Braatz, \$11.97; A. E. Johnson, \$14.95; Emiel Larson, \$7.47; Lewis Norman, \$7.47; Guy Brown, \$7.47; Fred Mueller, \$7.47; Gus Leach,

\$7.47; Linn Hulet, \$8.47; Allison Allen, \$4.98; Wm. Carlson, \$6.22; Wm. Lewis, \$2.73; Swanson, Chris, \$4.98; Alva Bonney, \$4.98.

ROAD DISTRICT No. 36—Standard Oil Company, \$13.75; J. Hamilton, \$4.99.

ROAD DISTRICT No. 37—A. J. Coeta, \$11.97; C. L. Garinger, \$3.73; Henry Grossmiller, \$3.73; Eli Fellows, \$3.73; Burt Cole, \$2.49; August Martin, \$9.96; Herman Moehne, \$3.74; Tom H. Paek, \$4.98; John Wiegler, \$2.49; Clayton White, \$2.49; Richard Griffith, \$16.95.

ROAD DISTRICT No. 38—J. W. Miller, \$11.00; Smith Hardware Co., \$1.99; P. T. Monroe, \$35.65.

ROAD DISTRICT No. 39—Fenauhaugh Machinery Co., \$85.09; American Railway Express Co., \$4.89; Coast Culvert & Plume Co., \$99.75.

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