

# FARM CO-OPERATIVE DIVISION

A MESSAGE TO EVERY MEMBER.

## CANNING SCHEDULE.

We will be canning asparagus next week on Monday the 19th, Wednesday the 21st, and Friday the 23rd, from 9:00 A. M. to 3:30 P. M.

The price of canning will be the same as last year, with the exception of meat which will be one cent per can less, making all products the same price.

The prices are:  
No. 2 1/2 plain cans — 5 1/2 cents.  
No. 2 1/2 enamel cans — 6 cents.  
No. 2 plain cans — 5 1/2 cents.  
No. 2 enamel cans — 5 1/2 cents.

## HERMISTON COOPERATIVE CANNERY.

By O. L. Barlow, manager.

## GRANGE COUNCIL CONSIDERS PROJECT

(Continued from Page 1)

Umatilla area, with the help of H. K. Dean, Superintendent of the Experiment Station, and Jay T. Pierson, the assistant county agent, plan to make a survey of all the weeds growing within the West Umatilla area. Substantial prizes are offered by a number of the chemical companies and local organizations to boys and girls participating in special weed clubs. Grangers were asked to encourage their boys and girls to participate in this project, thus making it possible to locate and control weeds which have become such a menace in this section. It was suggested that each grange sponsor at least two 4-H clubs and make an earnest effort to provide one or more summer school scholarships for outstanding boys and girls in the community.

Another project suggested for each grange was that of the Agricultural Conservation Program. Each grange should be familiar with the act dealing with the agricultural conservation. Soil erosion control was also discussed as a possible project in several of the areas. Close cooperation was urged between the different granges in soil management problems, field meetings on erosion projects now established, and on farms outside of projects. In areas where trashy fallow is practiced, particular emphasis was given to this as a permanent practice. The agricultural chairman, representing the various granges within the county, will be responsible for this as his program of work for the 1937 year.

## Irrigon Grange Social Night.

The Irrigon Grange will hold its usual social night Saturday, April 17th, at the grange hall in Irrigon. There will be games for the young people and cards and dancing, followed by a pot luck supper.

## COLUMBIA PARK CLEANUP PLANNED

The ladies of the Farm Bureau Auxiliary are planning an all day meeting for Friday, April 16th, at which time they will clean the park grounds. Anyone interested is asked to attend and bring shovels, hammers and any other equipment usable in the cleanup. Shrubs and flowers will be planted and ladies are asked to bring any cuttings they have which can be used for this purpose. A pot luck dinner will be served at noon.

## Carrot Seed Ready.

Free carrot seed is available at the assistant county agent's office for farmers who desire to raise carrots for the Smith Canning company at Pendleton. The price for the carrots will be \$10 per ton. Mr. Pierson has on hand enough seed for fifteen acres and any farmer who wants to plant a half acre or more may have the seed by calling at his office.

## TO THE MEMBERS OF THE UMATILLA PROJECT FARM BUREAU.

The annual payment of \$1.00 per member was due March 1st, and if it remains unpaid will become delinquent after 60 days. To be entitled to deal with the Farm Bureau Co-operative, Grange Co-operative and Cooperative Service Station, you must be in good standing in the Umatilla Project Farm Bureau, or some other farm organization. The funds thus collected are used for various things of community benefit.

C. M. JACKSON, Sec.

## MUCH IRRIGATION WATER WASTED

The following article written by Loren H. Millman, farm editor for The Oregonian, which appeared in the Sunday edition, may be applied to our own district explicitly, due partly to the fact that it is an irrigated section and partly to the lack of knowledge in the system of irrigation and carelessness.

Many farmers in irrigation districts waste much of the water they apply to their fields. J. H. Brown, irrigation extension specialist from the University of California, indicated in a series of speeches at the sixth annual session of the Institute of Irrigation Agriculture held recently at Oregon State college.

In addition, farmers cultivating general crops do much needless work, studies which he has conducted reveal. "Cultivation in weed-free soil does not conserve moisture," he declared. "If the weeds are gone, leave the land alone unless you have some special reason, other than moisture conservation, for cultivating."

"We have fought subsiding in orchards because that cuts so many good roots," he added.

An inch of water will wet heavy soils four to five inches deep; it will wet medium soils from six to ten inches, and sandy soils 12 inches or more. Heavy soils require heavy applications of water at longer intervals. Light soils require light applications of water more frequently.

## No Water Stored.

Wetting soil below the depth of the roots does not result in storing water, Mr. Brown continued. Further, the water requirements of a given crop are independent of the type of soil on which it is grown, so the irrigation practice must be adjusted to fit the type of soil.

Faulty irrigation practices, particularly running irrigation furrows down steep slopes, causes an enormous loss of soil and does great damage to the land, Harvey E. Reddick, regional conservator in the soil conservation service, pointed out.

As the grade approaches 3 per cent, the loss becomes increasingly heavy. Top soil is washed from the upper part of the field or orchard, tending to bury crops at the lower end of the run. Later, practically valueless subsoil is piled on the top soil at the bottom of the field.

Long irrigation runs and unnecessary heavy applications of water were condemned by the experts who had studied irrigation methods. That much water was wasted, creating shortages when that condition need not exist, was indicated by various speeches.

## Money Is Wasted.

When a farmer attempts to save money by constructing fewer pipelines or ditches, hoping to irrigate large areas in one irrigation, he is actually wasting money. Water either stands on the upper portion of the field, finally penetrating below the deepest roots, or else it rushes over the upper field, eroding valuable top soil.

Contour irrigation, with orchards or crops planted on grade lines instead of straight rows, was advocated by Mr. Reddick, who showed a series of pictures which illustrated the advantages of the newer type of irrigation.

Bench irrigation on steeper slopes can also be practiced if trees are planted on the grade lines and care in cultivation is used, he added. Irrigation furrows must be in before the trees are planted, he said. In about ten years, definite benches will have developed in this type of farming.

Trees will be growing at the edges of the benches, which is one disadvantage, because longer ladders will be needed to reach the fruit on one side of the trees.

Paradoxical as it may seem, the net result of draining a piece of land is to increase the amount of water available to the plants, Mr. Brown pointed out. Roots will not extend into the water table, but they will spread out through moist soil, so when the water table is lowered by drainage, the amount of soil which the roots can explore is increased, he explained.

A good orchard fertilizer contains readily available nitrogen. Nitrate of soda, sulphate of ammonia and cyanamid are common forms that meet this requirement.

## TURKEY MEN GET BREATHING SPELL

BY L. A. WILHELM

Assistant Poultryman, Washington State College.

The rapid mushroom growth of the turkey industry in the Pacific northwest in recent years has no doubt suffered a slight setback the past season. With the high-priced feed, "financed turkeys," and lower-than-expected returns the past season, many of the men who turned to raising turkeys to get "rich" will go out of business.

This should give the real turkey producers an opportunity to re-think their program, use better stock, better methods of feeding and management, and reap more profits.

The feeding and management of poulters has varied even more than that of chicks because there is great lack of information and facts on the subject. The chief requirements of brooding are the same for poulters and chicks: (1) correct temperature, (2) good ventilation, (3) sanitation, (4) plenty of room and (5) an abundance of good feed and water.

Temperature requirements are similar, but perhaps slightly higher than for chicks the first few days. The temperature under the hover should be about 100 degrees before the poulters are put in.

## Fresh Air Needed.

Poulters need more fresh air than chicks. The hover fringe should not be closer to the floor than 3 inches, unless there is a forced-ventilating system.

Poulters are less active and more inclined to crowd and smother than are chicks. Best results are obtained when not over 150 poulters are brooded in one lot. Small lots insure less crowding and more fresh air for each turkey. Young turkeys are not easy to teach to eat.

Frequently the grower has to resort to some device to get them to take their first meal. Until after the poulters have had their first feed or two it is advisable to keep a newspaper under them so they will not eat litter and get impaction of the crop.

The first feed may be given in shallow tins or on egg flats. Some growers crumble hard-boiled eggs over the mash to induce the birds to eat. Others use finely-chopped green feed. Many successful growers follow the practice of dipping the beak of each turkey into a pan of milk as it is taken from the box.

## Use Cod Liver Oil.

Another "first-feeding practice" that is gaining favor in some sections is to give each turkey a couple of drops of cod liver oil as it is taken from the box.

Feeders and fountains are important but the amount of space rather than the kind of equipment is the important factor. There should be fifteen to twenty feet of hopper space for each 150 poulters. The lack of feeder and fountain space is as serious a management fault as the crowded brooder house.

The feed and water should be kept on wire-covered platforms throughout the life of the turkeys. A frame of 1x4 boards covered with 16-gauge 1-inch mesh poultry netting is recommended.

The food requirements of poulters are similar to but not identical with those of chicks. Poulters seem to require about 25 per cent more protein, 25 per cent more vitamin G, and from two to three times as much vitamin D in the ration, and grow about 25 per cent faster than chicks.

## Many Good Rations.

There are many good commercial rations, as well as many formulae for good home-mixed rations. The cost of the feed required to produce a pound of high-quality turkey should be the chief consideration. This will depend upon the initial cost as well as upon the efficiency of the ration.

Where home-grown grain, milk and green feed are available, they should of course be used in the formation of a balanced ration. But the use of home-grown feeds without reference to a balance of required substances is seldom economical in the long-run.

The starting and developing rations with protein supplement incorporated in the mash which are recommended by the state college of Washington poultry department are:

Starting mash — 640 pounds ground yellow corn, 200 pounds ground wheat, 200 pounds finely-ground oats, 250 pounds wheat bran, 100 pounds dehydrated alfalfa, 200 pounds fishmeal (70 per cent protein), 150 pounds meat

scrap (55 per cent protein), 150 pounds skim milk powder, 60 pounds shell flour, 20 pounds salt, 20 pounds biologically-tested cod liver oil or its equivalent in concentrated vitamin D. 2020 pounds.

Developing mash — 300 pounds ground yellow corn, 200 pounds ground wheat, 580 pounds ground oats, 320 pounds wheat bran, 100 pounds dehydrated alfalfa, 175 lbs. fishmeal (70 per cent protein), 100 pounds meat scrap (55 per cent protein), 100 pounds skim milk powder, 25 pounds bone meal, 80 pounds shell flour, 20 pounds salt. 2000 lbs.

The scratch to be fed from the fifth to the twelfth week is composed of 200 pounds cracked yellow corn and 300 pounds whole wheat. Following is a feeding schedule for 100 poulters:

First four weeks—Keep turkey starter mash in hoppers. Feed finely-chopped green feed or crisp yellow carrots, what the poulters will clean up in 30 minutes three times a day. Sprinkle granite grit or coarse sand on the mash once a day—about 2 ounces for each 100 poulters.

Fifth week—Keep starting mash in hoppers, continue green feed—all that the poulters will eat. Scatter 1/2 pint of scratch on top of mash once daily for each 100 poulters. Keep hard grit and shell in separate hoppers from now on. Provide low roosts.

Sixth week—Continue starting mash and green feed and scatter 1 pint of scratch on mash once daily for each 100 poulters.

Seventh week—Continue starting mash and green feed and scatter 1 1/2 pints of scratch on mash once daily for each 100 poulters.

Eighth week—Continue starting mash and green feed and scatter 1 quart of scratch once daily for each 100 poulters.

"For additional information on rations, feeding schedules, and management of turkeys, write to your county agent or the extension service of the State College of Washington for Poultry Pointers 16, "Turkey Raising in Washington."

Mr. and Mrs. T. G. Gregory were business visitors in town from Stanfield Tuesday. Alfred Gregory expects to receive 1500 turkey poulters this week from Parrish & Jefferson near Junction City and will place them in brooder houses on the Coe ranch at Stanfield. For two years he operated a turkey farm near Klamath Falls for the Coe Ranch.

## WANT ADS

LOST — RED FEEDER PIG WITH black spots, weight about 55 lbs. F. F. Knerr, Hermiston. 34-tfc

FOR SALE — BRONZE TURKEY eggs, 10c each. Can save 150 before April 18th. L. R. Peterson, 3 miles S. W. of Hermiston on Butter Creek road. 34-1tp

WEANER PIGS — NOW READY. Chester Whites. Guy Cronk, Hermiston, Ore. 33-3tp

LIFE COMPANIONS — OUR DIGNIFIED method assures happiness. No names published. Write for particulars. Eureka Club, 1233 SW Hall, Portland, Oregon. 35-3tp

FOR SALE — THE BUILDING North of the Osborn Apartments, now being used as the Pilgrim Holy-ness Church. Reasonable. Mrs. Antone Soneson, Hermiston. 33-3tp

FOR SALE OR WILL TRADE FOR stock—hay stacker with cable and fork, mower, plow and rake. Mrs. Tom Stewart, Columbia district, Hermiston. 33-3tp

GOOD USED INCUBATORS FOR sale; moderately priced. Grange Co-op., Hermiston. 33-3tc

"VIGORBILT" CHICKS — ORDER now for April and May. Leghorn sexed and unsexed; cockerels; New Hampshire Reds; R. I. Reds; Banded Rocks. Buy "Vigorbilt" for profit. Custom hatching, turkey and chicken eggs. "Vigorbilt" Hatchery, Phone 661, Hermiston, Ore. 33-3tp

BARGAIN—80 ACRES ADJOINING City of Hermiston, or will trade for equity in Portland house. 1003 Guardian Bldg., Portland, Oregon. 33-2tp

FORD "A" 1931; FINE CONDITION Sport Coupe, rumble seat. Terms. Mrs. Bessie Strader, Irrigon, Oregon. 32-3tp

BRONZE TURKEY EGGS FOR Sale after April 20th. Kelley & Boynton, Hermiston, Ore. 32-3tc

PUREBRED DUROC WEANERS For Sale. Stella Paulson, Irrigon, Oregon. 32-3tp

FOR RENT—FOUR ROOM HOUSE, Good screened porch; first house on road north Rohman Garage; 80 rods from Hermiston, G. Massengale. 32-3tp

FOR SALE—ONE GRADE JERSEY cow. Tested. Four years old. J. R. Jordan, Echo, Ore. 33-3tp

FOR SALE—FRESH COWS; HAY and large Bronze turkey eggs. A. C. Swarner, Hermiston. 31-3tc

I AM IN THE MARKET AGAIN for wool as soon as sheared. Would like to talk to former customers and farmers who will have wool this spring. E. P. Dodd, Hermiston. 32-3tc

WANTED—CAR LOAD OF HEAVY springers; Jerseys or Guerneys preferred. Leave word at Co-op. Store or County Agent's office. Lyle Tilden, Hermiston. 32-3tp

PORTLAND PROPERTY & WILLAMETTE Valley lands and also stock ranches in Eastern Oregon, to trade for farms in this irrigated belt. E. P. Dodd, Hermiston. 30-tfc

FOR RENT—LIGHT HOUSEKEEPING rooms; Garage; 2 roomed cabins, furnished. H. E. Hanby, Hermiston. 27-tfc

## Buy Your Farm Now.

Now is the time to buy land at snap prices. Come and look at these very desirable home tracts—

Ten acres, good soil, fair buildings, all improved. Only \$850.

Twenty acres. Good soil, ready for crop. Good five room plastered house. Price \$1200.

Fifteen Acres. Good house, several buildings, berries, fruit trees, good location. \$1100.

Forty Acres. Good house, basement, sheep fenced, running water year round. Only \$1700.

Three acre tract, house, good garden soil, close in. \$750.

E. P. Dodd — Hermiston, Ore. 31-tfc

## CITATION.

In the County Court of the State of Oregon for Umatilla County.

In the Matter of the Estate of C. M. Jump, Deceased.  
TO: Catherine P. Jump; Howard A. Jump; Addie R. Jump Treacle; Lola L. Jump; R. Lester Jump; Wm. F. Jump, also all other heirs unknown, if any there be of C. M. Jump, Deceased.

IN THE NAME OF THE STATE OF OREGON

You and each of you are hereby cited and required to appear at the office of the County Judge of Umatilla County, Oregon, in the County Court House, Pendleton, Umatilla County, Oregon, within twenty-eight (28) days from the date of the first publication of this citation, to-wit, on the 15th day of April, 1937, and show cause, if any exists, why the judgment of the above court should not grant the prayer of the petition filed herein by Frank Sloan, as administrator of said estate, praying that he be authorized to sell at private sale, in the manner provided by law, upon such terms and conditions as the court may deem proper, the following described real property, belonging to said estate, to-wit:

The SW 1/4 NW 1/4 SW 1/4, lying North and West of the Furnish Ditch, in Section 9, Township 4 North Range 29 E.W.M., and the interest of said deceased in and to a contract for purchase of that part of the NW 1/4 SW 1/4 lying North and West of the Furnish Ditch in Section 9, Township 4 North Range 29 E.W.M., Umatilla County, Oregon.

This citation is published pursuant to the order of the Hon. Carl W. Chambers, Judge of the above entitled court, entered herein on the 13th day of April, 1937.

WITNESS the Hon. Carl W. Chambers, Judge of the above entitled court, with the seal of the court hereto affixed this 13th day of April, 1937.

E. B. CASTELL,  
County Clerk of Umatilla County, Oregon.  
By Jessie M. Bell, Deputy.  
(April 15-May 13)

## Call for Warrants.

School Districts No. 26-51, Morrow and Umatilla county, are calling all warrants issued during 1934 and a few issued in 1935, up to and including No. 229. Interest ceased February 20th, 1937. Payable at First National Bank at Pendleton, Oregon.

MRS. BERNICE WATTENBURGER, District Clerk, Echo, Oregon.

## Land Sale Notice.

NOTICE IS HEREBY GIVEN that the undersigned, Sheriff of Umatilla County, Oregon, by virtue of an order duly made and entered herein by the County Court of Umatilla County, Oregon, on the 5th day of April, 1937, will, on the 8th day of May, 1937, at the hour of ten o'clock in the forenoon, sell to the highest bidder for cash in hand, at the front door of the Umatilla County Court House, Pendleton, Oregon, subject to a minimum price of \$40.00 therefor, to be paid in cash, at the time of sale, the following described parcel of land, heretofore by Umatilla County, Oregon, acquired for delinquent taxes, to-wit:

SW 1/4 of SW 1/4 Section 23, Township 5, North Range 29, E.W.M., Umatilla County, Oregon.

R. E. GOAD, Sheriff of Umatilla County.  
(April 8-May 6)

## SUMMONS.

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

## TILLA COUNTY.

Charles A. Peterson, Plaintiff, vs. William Cimon, Defendant.  
TO WILLIAM CIMON, DEFENDANT ABOVE NAMED:

IN THE NAME OF THE STATE OF OREGON, you are hereby required to appear and answer the complaint of the plaintiff filed against you in the above entitled cause within four weeks of the date of the first publication of this summons, namely on or before Thursday, the 22nd day of April, 1937; and you will take notice that if you fail to appear and answer said complaint, or otherwise plead thereto within said time, the plaintiff, for want thereof, will ask judgment against you for the sum of \$345.00 and interest thereon, and for the costs and disbursements of this action; an order of the court for the sale of the following described real property in Umatilla County, Oregon: The Northeast Quarter (NE 1/4) of Section Twenty-One (21) in Township Three (3) South, Range Thirty-One (31), E.W.M., containing 160 acres, more or less, attached in this action, to satisfy the judgment that may be obtained by the plaintiff against the defendant.

This summons is published pursuant to an order made by Hon. C. L. Sweek, Judge of the above entitled court, dated the 22nd day of March, 1937. The first publication of this summons will be made on Thursday the 25th day of March, 1937, and the last publication on Thursday the 22nd day of April, 1937, and will be published for four consecutive weeks in the Hermiston Herald, a newspaper published weekly at Hermiston, Umatilla County, Oregon.

Dated this 22nd day of March, 1937.  
PETERSON & PETERSON,  
Attorneys for Plaintiff.  
Residence and post office address: Pendleton, Oregon.  
(March 25-April 22)

Get Your Lumber, Cement and Nails at Wholesale Prices by Ordering from J. C. HOSKINS, Stanfield, Ore. Phone 28F4

W. L. Morgan, D. M. D. General Dentistry X-Ray and Diagnosis Bank Bldg. Phone 9-J Residence Phone 25-J Sunday and Evenings by Appointment

FARMERS AUTOMOBILE Inter-INSURANCE Exchange C. A. JACKMAN, Local Agent All Kinds of Auto and Truck Insurance Hermiston - Oregon

WATCH - CLOCK REPAIRING A. W. BEHRMAN WATCHMAKER HERMISTON OREGON

RADIO NOISE ELIMINATED FOR PARTICULARS SEE Radio Louie

DR. A. E. MARBLE CHIROPRACTOR Office: Two doors west post office Office Hours: 8 to 12 - 1:30 to 6 Phone 481 — Hermiston, Ore

Hermiston Post No. 37 Meets first and third Thursday. Legion Auxiliary meets second and fourth Thursday. Legion Hall.

V. R. "Bob" RUNNION AUCTIONEER FARM SALES AND LIVE STOCK A SPECIALTY Make Dates at My Expense Heppner, Oregon Phone 452

Dr. A. C. Willcutt OSTEOPATHIC PHYSICIAN & SURGEON OSBORN APARTMENTS

PETERSON & PETERSON ATTORNEYS AT LAW U. S. National Bank Building Practice in State & Federal Courts Pendleton, Ore.

DR. F. B. BELTON PHYSICIAN & SURGEON Office Hours: Other 10:30 to 12:30 A.M. Hours by 2 to 5 P.M. Appointment Res. 712 — PHONE — Office 713

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