

EXPERIMENTS FOR CURLY TOP EXPANDED AT FIELD STATION

F. B. DANA, PATHOLOGIST, DIRECTS WORK HERE.

Plan to Develop New Vegetable Varieties Resistant to Curly Top; Cultured Tomatoes Expanded.

Experiments to determine the resistance of commercial varieties of vegetables and to develop new varieties resistant to curly top, are being carried on this year at the Hermiston Field Station, where the curly top project for the state is centered. B. F. Dana, Pathologist of the Division of Fruit & Vegetable Crops and Diseases, of the U. S. Department of Agriculture, working in cooperation with the state experiment station, and H. K. Dean, superintendent of the local field station, is here this week directing the work of setting out and plotting the 550 different varieties and strains of beans, and several score tomatoes, pumpkins, squash and cucumbers, and a lot of miscellaneous vegetables. A total of three acres is being devoted to this project, which includes breeding lines as well as crop testing.

Cultured tomatoes have been expanded this year. Experiments include permanent lath and cloth shades. Sunflower and corn are used as shade crops for tomatoes. Seeding in the field is being compared with transplanting and several fertilizer tests are set up for tomatoes. Sprinkling is also being compared with furrow irrigation, for tomatoes, beans and squash, in cooperation with M. R. Lewis, Irrigation and Reclamation Engineer with the U. S. Department of Agriculture.

The cultural experiments with tomatoes are designed to reduce losses, since commercial varieties with satisfactory resistance have not been found. Special selections, looking toward resistance, have been made for several years. Only a few varieties of a total of over 800 tested have survived these tests. Additional tests of these varieties are being made this year.

The bean resistant test is planted with a row of beets between the rows of beans to attract the beet leaf hoppers. Among the varieties of beans are included the string bean, pole bean, dry bean and bush bean types. There are a number of varieties collected from foreign sources. The bean hybrids are the fifth generation from the original cross. These hybrids were made between resistant and susceptible bean varieties to combine the desirable quality with resistance. Among the bean varieties found to be resistant are Red Mexican, California Red, California Pink, Jenkins and Burtner. The plot is particularly interesting this year because of the single plant selections taken from last year's crop.

Thirty-eight varieties of cucumbers include market cucumbers, pickle cucumbers, hot house cucumbers and some varieties which have shown resistance to other diseases but not to curly top.

Special selections of squash and pumpkin varieties have been made, and hybrids of Marbled and other squashes to obtain smaller resistant varieties. A few foreign pumpkin and squash varieties are being tested this year.

The curly top experiment has been carried on at the local station for a number of years. Mr. Dana has been working at the station since Tuesday of last week and expects to be here most of this week.

PYRETHRUM HARVEST READY AT LOCAL FIELD STATION

Two acres of pyrethrum being grown at the Umatilla Field Station south of town, is ready to harvest. The drug content taken from pyrethrum is used in making fly sprays and garden sprays, garden sprays being most effective when applied to cabbage and cauliflower. The spray has no effect upon the codling moth and on other insects only when applied by direct contact.

The plant was originally grown in Japan where it was harvested by hand, the blossoms picked at the proper stage for extraction of the drug content. Here the crop will be cut as a whole and will be shipped to the extension department at Oregon State college where it will be processed. The experiment is in its second year here. Pyrethrum is from the chrysanthemum family.

ARTHUR W. PURDY BURIED HERE FRIDAY, MAY 15TH

Arthur W. Purdy passed away Wednesday, May 13th, following a lingering illness, and funeral services were held from the Prann Funeral Parlors Friday, May 15th, at 2:00 o'clock in the afternoon with Rev. F. C. Wissenbach, Rector of the Episcopal church in Pendleton, conducting the services. Interment was made in the Hermiston cemetery.

Acting pall bearers were E. P. Dodd, H. T. Fraser, H. J. Ott, H. M. Sommerer, W. J. Warner and Chas. Taylor. A male quartet composed of E. D. Martin, W. L. Hamm, J. A. Clarke and Al Quiring sang "Beautiful Isle of Somewhere," and "When the Day is Done." Mrs. Quiring was accompanist.

Arthur W. Purdy was born in Amherst, Nova Scotia, May 1, 1870, and first came to Evanston, Wyoming. Later he moved to Nelson, B. C., and then to Wallace, Idaho. Mr. Purdy was the last of a group of twelve settlers who came here thirty years ago from Wallace, Idaho. He developed an 80-acre farm on the north side of the Hermiston project, and was in the furniture and undertaking business before coming to Hermiston.

Mr. Purdy's father served as a member of the Canadian Parliament and was given the title of Sir Amos Purdy of Halifax, Nova Scotia, by the King of England.

He is survived by his widow, one daughter, Zona Vera Morfitt, one granddaughter, Bette Morfitt, one grandson, Robert Purdy Morfitt, all of Portland, one sister, Mrs. Maude Kennedy of Montreal, Quebec, one brother, Amos Purdy of Arcola, Saskatchewan.

PRODUCE COMPANY WILL OPERATE IN AUDITORIUM

Jack House, proprietor of Jack's Cafe, has purchased the auditorium building from F. B. Swayze, and in partnership with Ed Schell of Pendleton, will operate the Square Deal Produce company.

Improvements will be made in the building to make it suitable for such use. Doors will be built in the rear, of sufficient size to permit trucks to enter, and the building will be painted. These improvements will not be started, however, until later this week in order to allow the use of the building for the dance and entertainment following the half-holiday sponsored by the city.

Mr. Schell has operated the Square Deal Poultry company in Pendleton for some time and is known in this district, and Mr. House has been in business here for several years.

HERMISTON MOTOR COMPANY WILL STAGE GRAND OPENING

The Hermiston Motor company which has been operated here for the past few months by C. Jack Shumate, joined recently by V. C. Smith in the automotive shop, will put on a grand opening and free dance Wednesday, May 27th. The dance will be staged in the main garage starting at 9:00 P. M. with music by the Merry Makers. There will be new and old time dances and the public is invited to attend.

The garage now has a complete automotive machine shop and offers service to any car. Mr. Shumate and Mr. Smith invite the public to be their guests on the night of the grand opening.

LEGION AUXILIARY NEWS

Hermiston Unit No. 37 met at the Legion hall Thursday, May 14th, in regular business session with Mrs. L. C. Todd, president, in the chair. Plans were made for the Memorial Day program and committees appointed.

Memorial Day services will be held Saturday, May 20th, at 10:00 o'clock at the Methodist church with the Rev. Hugh McCallum of Milton, Department Chaplain of the Legion, giving the main address. Services at the cemetery will follow. As usual the day's activities will be conducted by the Legion.

Plans were also made for a dinner to be served to a group of CCC boys who were to build the retaining wall around the club house yard. Incidentally, the wall was built and the dinner served; the former job being supervised by Harry Kelley, and the latter by Mrs. Guy Amaberry.

Saturday is the date of the annual Poppy sale. Those who are planning to sell poppies will please contact Mrs. Walter Hamm.

Visit Experiment Station.

A group of agriculturalists from Oregon State college at Corvallis visited H. K. Dean at the Umatilla Field Station last week. Among them were B. F. Dana, pathologist, who is working with curly top plottings here, M. R. Lewis, Irrigation and Reclamation Engineer, U. S. Department of Agriculture, H. E. Cosby, poultry specialist at O.S.C. and Dr. I. R. Jones and Dr. J. R. Haag, of the U. S. Department of Dairy. They went into the work at the station with Mr. Dean.

LADY GOLFERS WILL PLAY AT 6:30 WEDNESDAY MORNINGS.

Lady golfers who are interested in tournament play are asked to meet at the golf course next Wednesday morning at 6:30 o'clock in order that play may get under way by 7:00 o'clock. By starting at this time in the morning the round may be completed by ten o'clock.

Considerable interest has been shown in the play and with warmer weather in evidence it is probable that increased activity will be seen on the course.

Anyone interested in playing should get in touch with Mrs. Sam Moore.

AL G. BARNES CIRCUS IN PENDLETON WED., MAY 27.

The great Al G. Barnes circus which has excelled with its training of wild animals for more than a quarter of a century, will be in Pendleton Wednesday, May 27th, for both afternoon and evening performances. More than a score of international wild animal trainers will be seen.

The world's largest tent, seating 10,000 persons, will also contain rings, arena, stages and hippodrome track filled with performers. Bert Nelson, daring and youthful animal trainer, will battle ferocious man-eating lions and tigers along with Terrell Jacobs and Mabel Stark in other thrilling displays.

Weather Report.

Date	Max.	Min.
May 13	92	53
May 14	89	58
May 15	73	51
May 16	72	49
May 17	77	38
May 18	88	40
May 19	85	50
May 20	72	40

Precipitation was .28.

CARD OF THANKS.

In sincere appreciation of remembrances and kind expression of sympathy in our loss, we wish to thank our many friends.

MR. and MRS. JULIAN F. Gretchen Purdy.
Mr. and Mrs. Julian F. Morfitt, Bette and Robert.

PREDATORY BIRD AND ANIMAL CONTEST PRIZE LIST LARGE FOR 1936 CAMPAIGN

Keen competition is already being shown in the predatory bird and animal contest, sponsored annually by the Hermiston Rod & Gun club, Umatilla Project Farm Bureau and other local organizations. More than 2500 magpies and hawks have already been turned in on the contest.

Since the prize list is still incomplete and the number of contestants as yet undetermined, it has been decided to postpone classification of the prizes until a later date. Very gratifying response was given by Echo, Stanfield and Umatilla contributors, and it is hoped that many persons in these communities will enter the contest so that over a wide area the predators will be diminished to the point that they will not be a menace to poultry, game and song birds that they are at the present time.

If it develops that there are more prizes than contestants, a number of the smaller cash prizes will be pooled to make more valuable awards to the several persons who rank high when the contest closes, which will be about August 31st.

Chas. Reece at Echo, Claude McCall at Stanfield, and Harry Rodenbough at Umatilla will receive and score for those contestants for whom these points are more convenient than the Hermiston receiving stations, which are Hale's and the Hermiston Drug Co.

The following is the list of contributors and their donations:
Model T Ford Coupe in serviceable

President of Men's Hall.

Oregon State College, Corvallis, May 20—Bob Henderson of Hermiston, junior in agriculture at Oregon State college, has been elected president of the associated men's halls for next year. Other officers chosen were Keith Chamberlain of Mosier, vice-president; Maynard Ringham of Portland, secretary; Marion Thomas of Scotts Mills, treasurer; and George Cunningham of Portland, sergeant-at-arms.

RETAINING WALL IMPROVES LEGION HALL GROUNDS

A group of twelve CCC boys from the Stanfield camp working on their own time, under the supervision of Harry Kelley, mixed and poured concrete for a retaining wall along the front and east side of the American Legion hall on the corner of Main and Fourth. The American Legion Auxiliary members served lunch at noon for the boys, and the work was finished early in the afternoon.

The grounds will be leveled and seeded to rye and clover as soon as the frames are removed from the retaining wall. This will make a great improvement in the grounds and will enhance the beauty of the corner on which the highway enters the city.

POOL SHIPMENT BREEDING STOCK MADE BY E. O. T. G.

The first pool shipment of breeding stock was made through the Eastern Oregon Turkey Growers' association Wednesday morning, May 20th, a total of 32,620 pounds being shipped. Birds were brought into the pool at an early hour in order to prevent infestation from flies. The car went to an eastern market.

The majority of the birds showed first grades, and slightly over four hundred birds as seconds.

There were 26,237 pounds first grade birds and 6383 pounds seconds. The car was not shipped out until Wednesday night.

Ritner Thanks Supporters.

Pendleton, Ore., May 20—Roy W. Ritner, who won the nomination for representative in Congress in the recent primaries, made the following statement today: "I wish to thank my supporters in Umatilla county for the vote which I received for representative in congress. It made it possible for me to win the nomination in a close contest. If I should be successful in being elected at the general election, it is my ambition to be as efficient a representative as was the late Nick Sinnott. By hard work and careful study of the problems of Eastern Oregon, Nick was a real help to his district. I intend to visit each section of the Congressional district for the purpose of learning its needs."

COMMENCEMENT EXERCISES HELD FOR WEST END SCHOOLS

Commencement exercises for the various schools in this end of the county are being held this week, except those for the Hermiston graduates which will be Friday, May 29th, in the Methodist church at 8:15 o'clock. The commencement address will be given by Prof. Sigurd H. Peterson, head of the department of English at Oregon State college, and will be on "The Gifts of the Magi."

Barbara Reid, daughter of Mr. and Mrs. J. H. Reid, will give the salutatory address, and William L. Jackson, son of Mr. and Mrs. C. M. Jackson, will give the valedictory address.

A mixed quartet composed of Mr. and Mrs. J. A. Clarke and Mr. and Mrs. Al Quiring will give two numbers, and Miss Esther Fredrecks of Stanfield will please with a violin solo. Miss Margaret Clarke will accompany the quartet, and Miss Rose Hoosier will serve as accompanist for Miss Fredrecks. Miss Golda Mumma will play the processional.

Commencement exercises for Irrigon, Umatilla and Echo schools were held Thursday night of this week. Dr. Wm. H. Bleakney delivered the address to the Irrigon class, William Scarlett gave the salutatory and Wayne Caldwell the valedictory. Other members of the class were Earl Leach and Joyce Buckett.

Joseph H. Gaiser, professor of social science at the Eastern Oregon Normal school at La Grande, delivered the address for the Umatilla graduates. Alice Cooney was presented with the honorary cup as the best all-around student. Bessie Dexter was named valedictorian and Juanita Bray as salutatorian. Other members presented diplomas were Margaret Brown, Bill Bousquet and Orin Lane.

President W. M. Landeen of the Walla Walla College at College Place, Wn., delivered the address at the Echo school graduation at which Alice Bowman was valedictorian, Iris Omohundro, salutatorian. Other graduates presented with diplomas were Geneva Lane, Lucille Corea, Zelma Garner and Harold Liesegang.

Hermiston graduates who will receive diplomas are Kenneth Knerr, Hugh E. Driscoll, Eleanor Mae Dawson, Jack Reeves, Charlotte Ralph, Oliver F. Knerr, Deverde Elwood, William F. Nelson, Maxine E. Paul, June Richards, Ellis L. Coxen, Harold A. Rainwater, Paul Alan Marble, Barbara Reid, Fred Rankin, Waldo Chester Dyer, Coy F. Dunham, Omega A. Sater, Margaret Earnhart, William L. Jackson, Ruth Alexander Dodd, Marnie Jean Smith, William D. Carson, Archie Frye, Earl S. Watson, Alton E. Sison, Harold Lawrence Throop, Gene Herbert Skovbo, Richard F. Cox, Norma Dell Ambsberry, Jo Ellen Mopps and Lois Hutchison.

HERMISTON MAYOR ISSUES POPPY DAY PROCLAMATION.

Saturday, May 23, was designated as Poppy Day in a proclamation issued by Mayor F. C. McKenzie. The proclamation urged all citizens to observe the day by wearing memorial poppies in honor of the World War dead. It stated:

"When the United States was plunged into the World War in 1917, the City of Hermiston responded to the nation's call in a spirit of exalted patriotism. The citizens of the city offered their efforts and their means in the nation's defense, serving and sacrificing in the national cause. The City of Hermiston holds in proud memory its part in the great national effort which brought victorious peace in 1918.

"Many of the nation's young men were called into the armed services and some of them were called upon to sacrifice their lives in that service, dying upon the battle fields of France. There, over their graves, a little flower sprang up and bloomed, nature's tribute to the heroic dead. It was the poppy, and their comrades ask Americans to wear a poppy in their memory, one day of each year. On Saturday, May 23, the American Legion and the American Legion Auxiliary will distribute these memorial poppies in our city.

"Therefore, I, Mayor of the City of Hermiston, do hereby proclaim Saturday, May 23, to be Poppy Day in the City of Hermiston, and I urge all citizens to observe the day by wearing the inspiring memory of those who made the highest patriotic sacrifice during the war may be recalled to every mind."

F. C. MCKENZIE, Mayor.

POULTRYMAN FAVORS EGG PACKING PLANT FOR HERMISTON AREA

GEO. GENN FARM MAINTAINS BREEDING STOCK.

Expect to Make Extensive Improvements This Fall; Forced Laying Discouraged.

Confident that this project is an ideal poultry raising country and looking toward an increase in laying hens in order to aid in securing a much needed egg packing plant here, Mr. and Mrs. Geo. Genn, who live on a 20-acre farm on the west side of the Butte, maintain a flock of 800 laying White Leghorns. They plan to increase their laying hens to 1200 this fall.

The Genns use two and three year old hens in their breeding pens adding thoroughbred Hollywood cockerels every three years. Incubators of a capacity for 2740 eggs may be used during this hatching season, and they do some custom hatching.

Forced laying of the breeding stock is not practiced since experience shows that such practice lessens the vitality of the hen to a greater extent than the natural laying. Lights are used in the evening for two hours on the year old pullets. A 65 per cent egg laying production is considered high for breeding stock.

When the pullets are placed in the laying house this fall they will be hand culled, having been vaccinated and de-wormed when about eight weeks old. The culled pullets are sold on the open market.

The laying houses are five in number, each with three 24x30 units and a ten foot feed room. Each unit has a capacity for 250 laying hens. Walls are of double construction with cement floor providing sufficient warmth in winter without the use of any heating facilities. The present roosting system which is built about three feet from the floor will be replaced by a new system this fall that has been recommended by the Washington State college. In this system the roosts will slope from 23 inches in the rear to 12 inches in front and roosts are above woven wire to prevent birds from any contact with droppings. This system encourages the hens to rest on the roosts more because of easy accessibility.

A heavy grade of muslin cloth placed on wooden frames which have slide adjustment are used as windows in both winter and summer, being down a greater part of the warmer season.

The hens enter the nests from the rear through a small V-shaped opening which leads into a 10x12 nest. The small opening does not encourage two hens to enter the same nest and in this way prevents loss of eggs. Along with other improvements a system of running water will be installed in the laying house this fall.

Five 10x12 brooder houses operated on skids, take care of the baby chicks. These are moved to a new location each season and the former plot of ground on which the chicks range is planted to rye.

The cost of placing a pullet in the laying house, including hatching, brooding, feeding and labor, is estimated at \$1.00.

In the ten years the Genns have been in the poultry business the need of cold storage and packing plant here has become more and more evident as the egg production has increased. Deterioration of eggs between the poultry farm and the market has made a difference in the egg grades, which must meet eastern and northwest market standards. The poultryman will find it advantageous to have an underground cooling room, cellar or basement in which to pack and store eggs. In lieu of packing house advantages.

The Genns have found that there is always a certain amount of profit in the poultry business and believe that a commercial flock of 3000 hens is most practical and can be handled by two people working full time.

Starting with one house and 500 baby chicks the Genns built additions each year until they reached their present capacity. They farm 20 acres and milk three cows, milk from which is used to feed the breeding stock in season, but mainly during the cooler months to the laying flocks. The Genns are making (Continued on Page 6)