

4-H Club Members From 8 Communities Participate in Prefair

Members of 4-H clubs from eight communities in Jackson county took part in livestock showman ship and judging contests during the second annual Phoenix Prefair at the Phoenix Community hall Saturday.

Jack Dube, vocational agriculture instructor at Phoenix, was the official judge. Miss Marjorie Hattan, 4-H club agent, visited with home economics club members to make suggestions for their exhibits at the county fair. The county 4-H and Future Farmers of America fair is scheduled for Aug. 19-24.

Results of the placings at the prefair are as follows:

Beef Showmanship

Class 1, first, Ken Steward, Sis-Q, second, Linda Gibson, West Side, third, Carolyn Ties, Talent, fourth, Nancy Lusk, Sis-Q, fifth, Mavis Strom, Southwest Medford, sixth, Carolyn Sidener, Central Point, Class 2, first, Chip Buffington, Phoenix, fourth, Henry Scott, Phoenix, fifth, Wayne Ditsworth, Phoenix, sixth, Janet Glidden, Phoenix, seventh, James Scott, Phoenix.

Class 3, first, Karen Jossy, Antelope, second, Jan Calloway, Reese Creek, third, Kathy Zapell, Talent, fourth, Mike Charley, Central Point, fifth, Clifford Bradshaw, Sis-Q, sixth, Kay Stephenson, Reese Creek, Class 4, first, Linda Sommer, Talent, second, John James, Talent, third, Steve Stewart, Sis-Q, fourth, Ronald Anderson, Antelope, fifth, Ricky Anderson, Antelope, sixth, Karen Felter, Sis-Q, Class 5, first, Bill Arhorn, Central Point, second, Joyce Kerr, Sis-Q, third, Patsy Charley, Central Point, fourth, Ann Carter, Sis-Q, Class 6, first, Monte Cook, Central Point, and second, Edith Williamson, Sis-Q.

Sheep Showmanship

Class 1, first, Kay DeMers, Phoenix, second, Jim Martin, Phoenix, third, Renee Johnson, Phoenix, fourth, Charles Martin, Phoenix, fifth, Charles Swingle, Phoenix, sixth, Ronald Whitlock, Phoenix, Class 2, first, Daryl Zapell, Talent, second, Kathy Zapell, Talent, third, Kay Stephenson, Reese Creek, fourth, Linda Sommer, Talent, fifth, Billy Ulom, Central Point, sixth, Jackie Howard, Phoenix, Class 3, Carolyn Barnes, West Side, second, Steve Stewart, Sis-Q, third, Linda Gibson, West Side, fourth, John Hughes, Reese Creek, fifth, Nancy Lusk, Sis-Q, sixth, David Foote, Central Point.

Class 4, first, Carol Foote, Central Point, second, Mary Ann Cantrell, Ruth, third, John Lybrand, Sis-Q, Class 5, first, Virginia Martin, Phoenix, second, Gail Glidden, Phoenix, third, Jim Martin, Phoenix, fourth, Romella Fossen, Ruth, fifth, Norman Ditsworth, Phoenix, sixth, Cecilia Fichtner, Central Point, Class 2, first, Carolyn Ties, Talent, second, Richard Anderson, Antelope, third, John Hughes, Reese Creek, fourth, Linda Sommer, Talent, fifth, Jerry Moore, Reese Creek, sixth, Jonathan Johnson, Phoenix, Class 3, first, Gary Fossen, Ruth, second, Daryl Zapell, Talent, third, Karen Jossy, Antelope, fourth, Mike Anhorn, Central Point, fifth, Carol Foote, Central Point, sixth, Kathy Zapell, Talent.

Class 4, first, David Foote, Central Point, second, Ronald Anderson, Antelope, third, Kay Stephenson, Reese Creek, fourth, Starlene Wilkins, Talent, Class 5, first, Paul Medina, Reese Creek, second, Charles Martin, Phoenix, third, Janet Glidden, Phoenix, fourth, Billy Ulom, Central Point, fifth, Dorothy James, Phoenix, sixth, Vernon Calkins, Phoenix, Class 6, first, Mary Ann Cantrell, Ruth, second, Tony Glidden, Phoenix, and fifth, Mary Ann Barker, Ruth.

First, Joanne Calloway, Reese Creek, second, Karen Jossy, Antelope, third, John James, Talent, fourth, Kay Stephenson, Reese Creek, fifth, James Scott, Phoenix, sixth, Jim Martin, Phoenix, seventh, John Lybrand, Sis-Q, eighth place tie, Linda Gibson, Coleen Frank and Clint Gibson, all of West Side, ninth, Carolyn Ties, Talent, and 10th, Ronald Anderson, Antelope.

More Lygus Bugs Attack Seed Fields Here This Year

Jackson county seed growers are still having considerable trouble with lygus bug infestations in their fields, according to W. B. Tucker, county agricultural agent.

The small green bugs suck juices from the plant buds, causing blooms to drop and greatly reducing the seed crop yield, Tucker explained.

Lygus bugs this year appear to be resisting applications of DDT. However, experts are still recommending DDT as well as toxaphene and heptachlor.

Tucker said two pounds of actual DDT per acre are being recommended. If this has no measurable control effect, farmers are advised to apply two pounds actual toxaphene per acre or one-half pound heptachlor per acre. These control materials are available in either dust or spray forms.

The alfalfa thrip, which is a smaller insect, is also active in many fields, Tucker noted. The same control methods are recommended for this insect as for lygus bugs.

Build-Up Seen The county agent said the mild winter this year was favorable for development of lygus bugs. He added that farmers have not been planting as many seed crops as legumes, which gave opportunity for insect build up.

There is also a noticeable infestation of alfalfa weevil this year, Tucker pointed out, but parasitic insects released to control this pest appear to be effective. The parasitic insects are not harmful to crops and destroy only alfalfa weevil larvae.

Coast Soil Samples Under Experiment

Corvallis—Soil samples from farms along Oregon's coast are being moved into greenhouses at Oregon State college in a new type of research aimed at speeding work on soil fertility problems in that area.

OSC soil scientists are taking samples of 10 typical coastal soils from Coos Bay to Astoria. These will be placed in plastic pots in agricultural experiment station greenhouses, give a wide range of soil fertility treatments, and then checked for possible plant food deficiencies.

Purpose of this type of research is to determine the general kinds and areas of soil deficiencies along the coast, Moyle E. Harward, professor of soils at OSC said. This information will make it possible to design simpler field experiments aimed at particular soil fertility problems, speeding the time actual recommendations can be made to local farmers and lowering cost of this kind of research.

New Rules on Auction Markets Go in Effect Salem—New regulations governing the operation of livestock auction markets were promulgated June 28 by the state department of agriculture and are now in effect. These orders also include the examination, testing and treating of livestock handled or sold in auction markets and stockyards in Oregon.

Also covered are provisions guiding the conduct of the new state-federal approved auction markets. Copies of the regulations are available to anyone interested from the state department of agriculture, division of animal industry, Salem.

Sudan grass seeded soon after corn planting will be ready for pasture or green-chop in July and August.



RARIN' TO GO—Little four-year-old Susan Caleca gets out her trusty six-shooter to plug her hometown California Rodeo at Salinas July 11 through 14.

Elm Leaf Beetles Serious Insects, County Agent Says

The black and yellow striped elm leaf beetles are serious pests on elm trees in this area, according to County Agent Don Berry. These pests are generally first noted by the home owner as greenish-yellow worms on the leaves of the elm trees. Eventually, they cause the tree to lose the foliage and take on a sickly appearance, Berry said.

Gather in Clusters

At this time the worms and beetles can be observed crawling down the tree trunk and gathering in clusters at the base of the tree. These will soon reappear in the trees as a second brood. Since there are several broods a year, the damage continues until fall frost.

Right now all stages of beetles, worms and eggs can be found on the elms and where serious damage is occurring, a spray of 2 pounds DDT and 2 pounds malathion per 100 gallons should be applied at once to prevent further damage.

One Spray Needed

Ordinarily one spray containing these materials applied during May will prevent serious beetle damage to elms for the season unless reinfestation occurs, Berry said.

Defoliation such as is occurring now is very bad for a tree and will result in dead wood scattered in the tree top, it was explained. However, the trees will not die from an attack in a single year. Repeated attacks will greatly weaken and even kill trees.

Grain Inspection Office Set To Open

Salem—The state department of agriculture will open a branch office of its division of grain inspection in Merrill Aug. 1 to serve the Klamath basin. Director Robert J. Steward announced at Salem this week.

Darrell W. Guthrie, grain inspector with the division headquarters in Portland since 1951, will be working supervisor of the new branch. A sampler will be selected from the Klamath area and an extra inspector will be sent in from Portland during peak grain movement.

The decision to open a grain inspection branch office in this area was reached after a study made by T. Ralph Harry, grain division chief. The study showed that an estimated 2,500 cars of grain will be inspected yearly at the new branch and, in addition, an estimated 3,000 submitted samples will come from growers and elevator operators.

No protein tests will be made at this branch. Samples for this purpose will be mailed through the division's chemical laboratory the day they arrive in Portland.

Researchers Study Nitrogen in Lakes

Madison, Wis.—Nitrogen found in lake waters may be coming from water that "percolates" through the soil and finds its way into lakes through springs and streams.

Four University of Wisconsin soil researchers have been studying the accumulation of nitrogen because it stimulates the growth of algae and weeds. The researchers are looking for the source of nitrogen to reclaim the lake for recreational purposes.

Tests have shown that the undesirable nitrogen does not come from soil erosion, and now it is believed farmlands are indirectly the source.

Erosion control measures would not be effective in stopping the percolated water the researchers said.

New Warehouses on Farms May Be Subject to License

Salem—A number of new warehouses constructed on Oregon farms prompt the state department of agriculture to advise that some of them may be subject to the public grain warehouse inspection and licensing law.

If farmers who have small warehouses or elevators on their farms accept grain of neighbors for paid storage or other consideration, they will need a warehouse license. Farmers who want license application blanks or who need further information to determine whether their storage facility needs a license should write to the department's division of grain inspection in Portland. The address is 606 S.E. Ninth ave.

New Features of Law

New features of the state warehouse law added by the 1957 legislature will become effective Aug. 29, according to T. Ralph Harry, chief of the grain inspection division. These deal with shortages, giving notice if a warehouse decides to quit business, cause for license refusal or revocation and exceptions to the restrictions on grain storage.

This legislation sets up how the department of agriculture shall proceed if its inspectors discover grain shortages. As an ultimate step, the department may petition the courts for appointment of a receiver to operate or liquidate the business.

After Aug. 20, if any ware-

house operator decides to quit business, he must give 30-days advance notice to all holders of warehouse receipts, to persons storing grain and to the state department of agriculture.

Amended Law

With respect to license actions,

the amended law says the department may refuse to issue or revoke a license for (1) violation or failure to comply with any provisions of the warehouse act; (2) violation or failure to comply with any of the rules and regulations adopted under the

act; and (3) failure to maintain the warehouse premises in a legal manner.

Copies of the amendments may be obtained from the department headquarters in Salem or from the grain division in Portland.

Farm and Garden

GOLD HILL

Library Painted in Beige

BY MRS. CLYDE KELL

Gold Hill—The walls and ceiling of the Gold Hill Public Library were recently painted a beige tone. The color, which was selected by the librarian, Mrs. Carl Routh, gives the large room with its old fashioned high ceiling, an inviting appearance. Folding chairs have replaced benches, which have been used many years.

Curtains for the library are needed, Mrs. Routh said. Individuals or organizations interested in furnishing material for the curtains should contact Mrs. Routh. According to Mrs. Routh pictures or anything that would add to the attractiveness of the library would be welcome and appreciated.

The library is open Mondays of each week from 7 until 9 p.m. and Wednesdays and Fridays from 4 until 7 p.m.

Mrs. Carrie Puhl, who celebrated her 8th birthday June 29, was honored at several parties late in June.

She was among those honored at the last meeting of Amethyst Rebekah lodge June 19.

She was honored at a party given at her home on Garden Row June 27. Mrs. Lily McKay and Mrs. Wilbur Martin were hostesses. Those present included Mrs. William Ferguson, Mrs. William Hittle, of Gold Hill, Mrs. H. A. Dierdorf of Medford and the honoree, Mrs. Puhl.

Mrs. Puhl was honored at a dinner party in the home of her nephew and family, Mr. and Mrs. Kendal Dufur, Norman and Johnny, Saturday, June 29, which was the date of her birthday.

She was born June 29, 1877 at Rock Joint, the daughter of Mr. and Mrs. J. W. Hayes. Her father was a blacksmith.

Her first teacher at the Rock Joint school was Mrs. Marguerite Ella Patrick. The new primary school in Gold Hill was named in memory of Mrs. Patrick.

Bobby Turner celebrated his 11th birthday with a swimming party and picnic Sunday, June 30, on the upper Applegate. With him were his parents, Mr. and Mrs. Don Meister, his grandmother, Mrs. Harriett Elliott, and his brothers, Mike and Randy.

Mrs. Lenard Andrews entertained her son, Steve, on his 12th birthday July 2 with a swimming party and wiener roast, ice cream and a decorated cake. Guests were Larry Maerz and Mark Crow.

Several local men donated time to assist the fire chief in burning dry grass on some of the vacant lots last Saturday and Sunday mornings.

Joe Pankey returned last Saturday from a trip to Alaska, where he has been visiting his brother, Theron Pankey, for several weeks.

Mrs. Robert Lewis of the Table Rock area was a visitor in the home of her sister, Mrs. William Force, of Gold Hill July 1.

Mr. and Mrs. Wilmer Bailey and Mr. and Mrs. Delos Walker and Linda spent the Fourth of July at Diamond Lake.

Mr. and Mrs. Edward Shoemaker of Chicago are spending a two weeks vacation in Gold Hill visiting in the homes of his mother, Mrs. Helen Shoemaker, of First ave. and his father, Edward Shoemaker and family of Kates creek. Edward is a former resident of Gold Hill.

Mr. and Mrs. Gordon Miller of Archistia, Calif., arrived last Wednesday to spend the holiday weekend visiting her mother, Mrs. Helen Shoemaker.

Guests in the home of Mr. and Mrs. Melvin Willoughby last weekend were her brothers and their families, Mr. and Mrs. A. Hubbard and three children from Elktion, Ore. and Mr. and Mrs. E. Hubbard and two children of Cottage Grove.

Mr. and Mrs. Waldo Perkins of San Gabriel, Calif., are visiting at the home of Mr. and Mrs. C. E. Brown on Highway 99, north.

Mr. and Mrs. James L. Sallee went to Walport, Ore., to spend

Lumpy Jaw Illness In Animals Costly

"Lumpy jaw," a disease seen frequently in both dairy cattle and beef animals, can be costly to American farmers, the American Foundation for Animal Health warned today.

The disease also can affect other species of livestock, and human beings, too. Lumpy jaw is caused by bacteria which have some unusual characteristics when examined in the laboratory—and that fact aids veterinarians in making a diagnosis, the foundation said.

Symptoms of the disease include one or more swellings of varying size in the region of the head. The swellings most frequently involve facial bones of the upper and lower jaws. "Another type called 'woody tongue' makes feeding difficult or impossible. The result is a drop in weight, and in the case of dairy cattle, a decline in milk production.

Symptoms of several other infections are similar to those of "lumpy jaw," so it is important that a veterinarian be called in to make a correct diagnosis before any type of treatment is started.

day July 7, where they will vacation until July 10.

Mr. and Mrs. (Robby) Robinson and daughter, Robin, his mother, Mrs. Susie Robinson, Carl and Bob Routh, spent July 3 and 4 camping at Willow Lake. Mr. and Mrs. Carl Routh returned to Gold Hill July 4. Dad Herrick accompanied the Rouths to the lake early Friday morning.

Debbie Clements returned July 9 to Sweethome, Ore., to visit her aunt and family, Mr. and Mrs. Bill Zimmerman and daughters, Jackie and Janice, who have been visiting at the home of her parents, Mr. and Mrs. James Clements. Debbie is the daughter of Mr. and Mrs. Dale Clements.

Mr. and Mrs. Kendal Dufur and family have had as their house guests the past week her brother-in-law and sister, Mr. and Mrs. Donald McCormick and son from San Diego, Calif.

Due to the rapid development of changes in contract negotiations between the cement workers and employer, a special union meeting is scheduled for Friday, July 19, at 8 p.m. in the scout hall, according to J. Fred Lewis, recording secretary of the United Cement, Lime and Gypsum Workers International Union Local 136 in Gold Hill.

A special meeting of Amethyst Rebekah lodge is scheduled for Friday July 12 at 8 p.m. in the IOOF hall. The president of the Rebekah Assembly of Oregon, Mrs. Mary H. Parker, will make her official visit to this lodge on that date. All Rebekahs are urged to attend.

Mr. and Mrs. Lenard Andrews and son, Steve, went to Cottage Grove July 3, where they were overnight guests at the home of her parents, Mr. and Mrs. C. C. Gilham. They were present for the family reunion there on the Fourth of July.

Mr. and Mrs. George Andrews of Ashland stayed at the home of their son, Lenard Andrews, while they were on their holiday vacation.

Dave Parker of Gold Hill accompanied Mr. and Mrs. Howard Davis and Miss Judi Davis of Central Point to Hiatt Lake Sun-

Progress Reported In OSC Research on Irradiated Foods

Corvallis—Progress in research on irradiated foods—a promising new product of the atomic age—has been reported by Oregon State college agricultural chemists who have received a fourth grant for experiments.

The latest grant from the Quartermaster Food and Container Institute for the Armed Forces, Chicago, is for \$14,330. The institute is interested in the development of irradiated or atomic-sterilized foods because of their tremendous potential for long-time storage without refrigeration.

Problem Involved One of the problems involved, however, is that some foods, such as beef, take on a "different" flavor when irradiated. The OSC agricultural chemists are trying to determine what causes the flavor change and what can be done to overcome it.

The tested food is irradiated at the Idaho Falls, Ida., atomic energy installation.

Dr. Edward C. Bubi and Dr. Joseph S. Butts, leaders of this study, have found that the flavor changes result from extremely small amounts of an unknown compound formed in the ionizing treatment. They are trying to isolate the compound in the treated meats and then find ways to "block" or "bind it up" so flavor is not affected.

Flavor changes are much more pronounced in some foods than others, they have found. Flavor of pork is almost unchanged by irradiation while beef shows marked flavor change.

Research Starts Research was started in 1954 under a grant from the institute and the grant has been renewed each year since then.

In related research for the office of surgeon general, department of the Army—also conducted under special grants during the past four years—Bubi and Butts are feeding irradiated food to white rats to check the nutritional properties of the treated food. Pork, peaches, carrots and jam are now being used in the irradiated food tests.

Use of Sawdust Is Explained in Circular

Corvallis—How to use sawdust instead of soil in nursery layering beds when growing fruit tree rootstocks is explained in a new circular published by the Oregon State college agricultural experiment station.

Titled, "Propagating Clonal Rootstocks," the new circular tells how to use Douglas fir sawdust in both mound and continuous or row layering. On the OSC experiment station farms, the use of sawdust has increased the number of rooted layers produced and lowered the amount of labor needed, the circular says.

COW'S HEAD

Salt Lake City—An outdoor advertising firm asked police help when an ambitious trophy seeker raided a dairy client's display and made off with a display cow's head weighing 300 pounds.

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