

OSU Report Examines Agriculture In 1980

What will agriculture in Oregon be like in 1980? "There will likely be fewer farmers, each receiving a larger gross income," said Robert O. Coppedge, research associate in agricultural economics at Oregon State University.

For a look ahead, the agricultural economist used projections based on agricultural production through 1969. Oregon ranks first in the nation in producing snap beans, ryegrass seed and sweet cherries and second in pears and strawberries.

"Rural economics will have fewer people on which the burden of supporting community services will fall in 1980," said Coppedge.

"There will be relatively fewer rural school children and

taxpaying parents. Bankers, finance agencies, retail merchants and machinery dealers will have to consider increased farm requirements as well as increased receipts and fewer farms, farmers and people."

Fruits, nuts and berries will be the leading crop with grains and vegetables second and third.

"Receipts from the sale of cattle and calves will continue to dominate the livestock sector, accounting for more than half the receipts," Coppedge said.

"The future of Oregon's agriculture lies in its diversity and prominence in national and world commodity markets."

A copy of the report can be obtained by writing Coppedge 219 Extension Hall, OSU, and asking for Agricultural Experiment Station Special Report 313.

Scenic Rivers Head Named

Robert K. (Bob) Potter of Portland will fill the position of coordinator of the Oregon Scenic Rivers System, it was announced today by R.L. Porter, state highway engineer.

Porter said that Potter, presently assistant operations manager of Portland Public Docks, will be assigned to the Oregon State Highway Division's parks and recreation section, beginning Monday, January 11.

This appointment follows the enactment by the people of Initiative Measure No. 9 in the general election of November 3. The State Highway Commission is charged with implementing the purpose of the measure.

The new coordinator will be responsible for liaison work between the abutting property owners and the Oregon State Highway Division and for developing procedures to handle requests for changes in land management submitted by the property owners.

Potter is married and has two children in college. He was born on September 5, 1923, in Orange, New Jersey. He is a descendant from the pioneer families of Kelly and Kern of Portland, 1847. He graduated from Grant high school in Portland and attended the University of Oregon. He was a pilot in both World War II and the Korean War.

He is affiliated with the Propeller Club, the Sierra Club, and the Oregon Scenic Rivers Committee. Other interests include whitewater river drifting and organizing and guiding of river outings for outdoor enthusiasts.

Environmental Studies Conducted At C of I



How is irrigation water flowing from farming land affected by the use of waste water, fertilizers and insecticides? This is the senior problem selected by College of Idaho students Robert Beckwith of Chula Vista, Calif., and David Eisentrager of Kuna, with David Peter, sophomore of Caldwell, volunteering his help.

The water quality study is one of three environmental studies problems proposed for early priority by the Regional Studies Center, according to Mrs. Donna L. Parsons, center director.

Conducting the student-faculty research project is Dr. Lyle M. Stanford, C of I biology professor, who queried irrigation agencies to determine an appropriate site to make such a study of a drain in an irrigated watershed of the Snake River. A seepage drain at the upper embankment of Lake Lowell was chosen because it is relatively unpolluted at its origin.

Working since October to master techniques of sampling, the team has been making bi-weekly tests to establish the contents of the water during the winter months. They sample for the following: oxygen count; acidity and alkalinity; dissolved phosphate; temperature; carbon dioxide; and biological oxygen demand which measures the oxygen demand of organic material decaying in the water. All except the last can be tested at the site immediately, but the biological oxygen demand test requires five days. Weekly samplings will be made through the summer months.

The ultimate goal of the project, aside from the hoped for writing of a paper stating conclusions, is to measure the fluctuation levels of the pollution of the water which flows from the upper embankment source to Wilson Drain, Indian Creek, the Boise River and then to the Snake River.

A budget of \$500 has been assigned for the purchase of measuring apparatus and aerial photographs to determine which fields affect and are affected by the irrigation water. The cooperation of growers will be sought to learn about farming practices -- what and how much fertilizers and insecticides are used, schedules for application, and other matter of importance to water quality.

This project is typical of the kinds of research assisted by the Regional Studies Center at the College of Idaho, whose main purpose is to encourage environmental studies within the Snake River region. "We must have much more knowledge if we are to adequately plan for the future, and meet the ecological crisis," says Mrs. Parsons. "A study such as this is a small step towards solution of environmental problems, and away from continuing degradation of our surroundings."

NU ACRES

BY MARGARET EVANS

Mr. and Mrs. Woodrow Wilson are the grandparents of a baby boy born December 31 at Albany, Oregon to Mr. and Mrs. Don Haley. Mrs. Haley is the former Cheryl Wilson. Mrs. Wilson has gone to Albany to help take care of the other children and the new baby.

Mr. and Mrs. W.H. Grasmick spent New Years Day with her brother and sister-in-law, Mr. and Mrs. John Rudolph of Nampa.

Mr. and Mrs. W.H. Grasmick, and Mr. and Mrs. Ben Schuster and David of New Plymouth, were Sunday dinner guests of Mr. and Mrs. Fred Brech of New Plymouth.

Mr. and Mrs. Gerald Russell and family spent from Monday until Wednesday with his parents, Mr. and Mrs. Paul Russell in Twin Falls.

Mr. and Mrs. Cecil Evans drove to Nampa Monday evening to see Richard Perdue of Fruitland, in the Mercy Hospital.

Writing Contest Open To High School Students

Information is in the mail the Governor's Committee on Employment of the Handicapped. The Oregon American Legion will present a \$50 U.S. Savings Bond to the second place winner and a \$25 bond to the third place winner. In addition, the Oregon AFL-CIO presents the Oregon winner with an expense-paid trip to Washington, D.C. in April to attend the President's Committee meeting. The best Oregon report is submitted to the President's Committee on Employment of the Handicapped and is eligible to receive prizes ranging from \$1,000 first place to \$200 for fifth place.

Mallings of the information were made through cooperation of the Oregon Employment Division and the Oregon Board of Education. For further information, interested students are urged to see their English or Social Studies teachers; any office of the Employment Division or the Veterans Administration.

Closing date for the Oregon contest is February 15 and completed reports should be sent to Fred M. Tolleson, Executive Secretary, Governor's Committee on Employment of the Handicapped, c/o Employment Division, 402 Labor and Industries Building, Salem, Oregon 97310.

Oregon awards this year include a \$300 scholarship to the writer of the best report by

OSU Trains Air, Water Pollution Control Experts

Oregon State University is fast becoming one of the nation's leading centers for training experts in air and water pollution prevention and control.

With the aid of federal grants that now total about \$450,000 a year, the OSU School of Engineering has greatly expanded its graduate training programs in sanitary engineering and air sanitation, Fred J. Burgess, acting dean of engineering, points out.

This year, 18 are working for master's and doctor's degrees in air pollution control and 22 in sanitary engineering--water supply, waste treatment, water pollution control, environmental and water resources engineering.

Fifty-one have been graduated in the water programs since 1961 and 34 in air pollution since that program was launched in 1963.

Graduates are in big demand by industry, engineering and consulting firms, and by state and federal agencies, Burgess noted. Most of the graduates have remained in Oregon and the Northwest. They are found, for example, in every air and water pollution control agency in the state.

Research programs on which trainees work are keyed to state and regional problems, Burgess noted. Projects include influence of log rafting on water quality, estuary pollution, disposal of wastes from pulp mills, field burning, wind-ventilation patterns in the Willamette Valley, etc.

Several of the sanitary engineering graduate students are assisting with research projects at the Pacific Northwest Water Laboratory, located on campus but operated by the Federal Water Quality Administration of the U.S. Environmental Protection Agency.

Various other units of the university are involved in water and air pollution training-research programs as well. These include the Schools of Agriculture, Science, and Forestry, the Department of Fisheries and Wildlife and Atmospheric Sciences, the Environmental Health Sciences Center, Water Resources Research Institute, Air Resources Center, and the OSU Marine Science Center, Newport.

Future goals call for even more interdisciplinary programs and greater stress on environmental protection, says Burgess.

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to hear of the sudden death of Clarence Neeley from a heart attack December 27. Our sympathy is extended to Mrs. Neeley and her family in their sorrow.

The family of Mr. and Mrs. Sherman Keck have returned to their homes after having spent the Christmas vacation with their parents. Capt. and Mrs. Kenneth Keck and family have gone to Lafayette, Ind., Mr. and Mrs. Frank Prosser and family to Pullman, Wash., Mr. and Mrs. Clarence Pugh and family to Lakeview, Oregon, Mr. and Mrs. Gary Troyer and Tracy to Richland, Wash., and Keith Keck to the University of Idaho.

Mrs. Amy Milton of Forest Grove, Oregon, who has been visiting with the Kecks, is now visiting with the Clifford Nielsens at Ontario.

Mr. and Mrs. Bruce Ross and family of Swisshome, Oregon called on their grandmother, Mrs. Lucy Evans and Janice Saturday morning.

The community was saddened

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