

FARM and Garden

New Forest Soil Scientist Added To College Staff

A long-range program to protect and maintain Oregon's forest industry through a constructive soil management program has been launched by the agriculture experiment station and the school of forestry at Oregon State College with the appointment of a forest soils scientist.

The new soils expert is Dr. C. T. Youngberg, who came to OSC from the forest soils research division of Weyerhaeuser's Timber Co. and whose background combines unusual specialty training in both forestry and soils.

His appointment to the newly-created position of forestry soils scientist will find him working with the State Forestry Department and with federal and private forestry agencies in the development of a sound soils program for Oregon's more than 25 million acres of commercial forests.

Principal laboratory for the research program will be the 11,000-acre McDonald forest of the College. Establishment of the soil testing laboratory at OSC this fall will place another aid in building the research program at the disposal of Dr. Youngberg.

Soil classifications will be made for the various forest areas and suggested programs of soil management will be developed for various forestry operations such as planting and cutting.

Dr. Youngberg received his bachelor's degree in botany from Wheaton College in 1941. After a four-year tour of duty with the air force in World War II, he returned to school. He received his master's degree from the University of Michigan in 1947 and his doctorate degree in forest soils from the University of Wisconsin in 1951.

Following graduation in 1951, he joined the forest research staff of Weyerhaeuser's Company at Centralia, Wash.

Tests Show Fertilizer Pays



HARVESTING TEST WHEAT — Roy V. Matthews, Days Creek farmer who has been co-operating with the Douglas County Extension Agent's office in running grain fertilizer trials, combines his test crop of fall-sown wheat. Value of the increased yield in fertilized over unfertilized plots ran as high as 27 bushels per acre. From 25 to 30 acres of wheat were sown in the tests.



SACKED BARLEY YIELD — Matthews stands beside his truck loaded with sacks of barley harvested from fertilizer test plots. Fertilizer brought yields of 1,160 pounds of barley per acre more than from unfertilized sections. In this test, 15 acres of barley were sown and fertilized in April.

2 Found Best In Barley, Wheat Trials

TESTS PROVE 3-48 farm pg. idea it pays to fertilize—with the right kind of fertilizer.

That's what grain fertilizer trials run on the Roy V. Matthews farm at Days Creek show, says Wayne Mosher, assistant county extension agent.

Two fertilizer tests were run—on fall-sown wheat and spring-sown barley.

Trials were conducted with both 16-20 and ammonium sulphate fertilizers on 25 to 30 acres of spring-fertilized wheat. The 16-20 proved the most profitable, results show.

16-20 Proves Best

The 16-20 fertilizer plot produced 58.1 bushels per acre, with an application of 200 pounds of fertilizer per acre. This yield was 24.7 bushels per acre more than the 34 bushels taken from an unfertilized checkplot. Cost of the fertilizer in the test plot ran \$8.80 per acre.

A slightly greater yield—61 bushels per acre—came from an ammonium sulphate fertilized section, but the cost of \$15.20 per acre was twice as high as the 16-20. Mosher thinks the ammonium sulphate, distributed at a rate of 400 pounds per acre, might be more profitable at lower levels.

Ammonium sulphate showed well in barley trials. At a cost of \$14.40 per acre, it brought a 1,160 pound per acre increase over the check plot harvest. The fertilized area produced 3,016 pounds per acre, the check plot, 1,856.

Others Tried

Other fertilizers used in barley trials were 16-20 and urea. The latter gave a 290 pound per acre increase over the check plot at a cost of \$18. per acre, while the 16-20 produced 290 pounds per acre more at \$18.40.

Both the ammonium sulphate and the 16-20 were applied to the barley at a rate of 400 pounds per acre; the urea at 200.

Mosher points out that these tests show the grower would get about \$2 back for every dollar he invests in fertilizer.

Testing of this sort has been going on in Douglas County for the past two years, Mosher says.

Waitress Beats Patron, Draws Fine Of \$50

PORTLAND — Ilia Brockman, a waitress, was fined \$50 in district court for assaulting a woman customer who refused to pay for a cup of tea.

The customer ordered cream with her tea but failed to get it. When she paid the check she did not include money for the tea. The waitress followed the woman to the street and beat her.

Farmers Do Not Neglect Houses

The old assumption that farmers neglect their homes in favor of farm buildings and improvements just isn't borne by facts.

Latest U. S. Department of Agriculture surveys, as reviewed by Oregon by Mrs. Elvera Horrell, OSC extension agricultural economist, show that slightly more than half of the total value of farm construction goes for houses. Out of the remaining sum, three-fourths is spent on service buildings such as barns and poultry houses. The rest goes for fences, windmills, pumps and so on.

About one-third of the money spent for houses is used for new construction and one-half for major improvements. The rest goes for miscellaneous repairs. This is in direct contrast to city figures, where most of the outlay is for new structures.

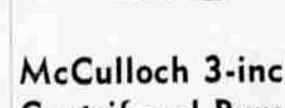
About half of the farm construction work is done by farmers and their families. This reduces the labor costs to about 25 per cent of the cash expenditures. In the city, labor costs run about 40 to 50 per cent of the total construction expense.

TERRIBLE DISEASE!

WASHINGTON — The Agriculture Department put out a pamphlet Friday with the title: "Cultural and Pathogenic Variability in Single-Conidial and Hyphal Isolates of Hemlinthosporium turcicum pass."

It's about a corn leaf disease.

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State Potato Carloads Drop During Past Year

SALEM — A sharp drop in potato shipments cut Oregon's produce carloadings in the year ended June 30, the state Department of Agriculture reported Friday.

The number of carloads dropped from 40,986 in the previous year to 32,872 with potatoes accounting for nearly all the decline.

Potato shipments are expected to be up markedly this year.

BIG SPENDING

BONN, Germany — U.S. troops spent almost 150 million dol-

Filbert, Walnut Costs Analyzed In Bulletin

Filbert and walnut production costs in Oregon are analyzed in detail and suggestions for improved efficiency of operation outlined in a pair of new bulletins published by the OSC agricultural experiment station.

The publications, station bulletin 517 on "Cost of Producing Filberts" and 518 on "Cost of Producing Walnuts," were written by Dr. G. W. Kuhlman, agricultural economist. Copies are available on request from the college or from county agents.

From 1940 to 1950, the price received by filbert growers averaged 118 per cent of the estimated cost of production and the price of walnuts 102 per cent. Dr. Kuhlman points out. A wide variation in individual grower costs was noted, however, indicating that improved efficiency of operation is possible in many cases.

The cost of producing filberts in 1949 averaged 14.4 cents per pound or \$163 per acre. Average yield per acre was 1,132 pounds. Walnuts cost an average of 15.8 cents per pound to produce or \$117 per acre. Average acre yield was 741 pounds.

lars in Germany during the year ending last June, it was announced Friday.

109 The News-Review, Roseburg, Ore.—Mon., Aug. 25, 1952



FUNNYMAN FAIR EMCEE — Emcee for the all-star stage revue at the eight-day Oregon State Fair, which begins Aug. 30 in Salem, will be Jack Marshall, the funnyman with the flexible face. The revue, entitled "Fun Incorporated," will play each of the Fair's eight nights.

Scientists Find Guinea Pigs Lacking Greens Lose Hearing

Diet has been shown to play an important role in developing loss of hearing in guinea pigs, a research team of Oregon State College scientists has found.

It is believed this is the first time diet and loss of hearing have been linked, Dr. Hugo Krueger, OSC physiology professor and a member of the research team, said.

Guinea pigs on a diet lacking greens developed a progressive loss of hearing. The guinea pigs also showed signs and symptoms very similar to some types of arthritis in man.

In many of the guinea pigs, it was found upon examination that the three tiny inner ear bones — hammer, anvil and stirrup — which are essential for transmitting sound waves to the brain, became fused.

Lack of an unknown vitamin in greens, which aids the guinea pig in the proper use of calcium, is believed responsible for this condition. In the absence of the unknown materials or vitamins in greens, calcium is deposited in blood vessels, muscles, stomach and elsewhere.

As in arthritic patients, the guinea pigs lacking this "X" vitamin also suffered from irregular bone enlargements and some movable bones became immovable.

Now, Immediate Delivery!



\$17 Million Goes To NW Farmers

SPOKANE — The Federal Land Bank of Spokane said Friday it loaned almost 17 million dollars to Northwest farmers and ranchers during the last fiscal year the largest volume since 1935.

The bank said its borrowers paid off 10 million dollars of their indebtedness during the same period.

Idaho farmers led in volume of loans for the year ending June 30 with a total of \$5,758,500. Washington was next with \$4,136,100, Oregon \$3,732,000 and Montana \$2,340,700.

State Fair Opens Aug. 30 In Salem

SALEM (Special) In a setting of pastel-colored buildings, the 8th Oregon State Fair, boasting one of the greatest all-around exhibitions of livestock, poultry, 4-H and FFA, county, and commercial exhibits in its long history, will open in Salem Saturday, Aug. 30 for its annual eight-day run.

In livestock, outstanding animals from all over the west will be shown in competition for \$75,000 in premiums and awards made by the Fair.

In poultry, a display of birds and rabbits hitherto unequalled in the annual event is planned.

Special garden entries are being arranged in the floral department. Other types of floral entries will be colorful and profuse.

A flood of entries in the textiles division has the staff busy recording and arranging all the expected articles of handcraft for display.

In foods, a number of demonstrations by representatives of the country's leading appliance and food manufacturers have been arranged. Entries in the various classifications show that the department will be crowded.

An interest center for the agriculture-minded visitor will be the \$500,000 display of the latest in farm machinery, equipment and appliances that will overflow the machinery area.

This huge display has been made possible through the cooperation of the Central Willamette Valley Farm Equipment Dealers Association. Everything that's new and of special interest to the farmer or rancher is promised.

Stage Revue Planned

On the entertainment side of the 1952 exposition will be features galore. Topping the list is the nightly stage revue, playing all eight nights before the grandstand audiences.

Titled "Fun Incorporated," the show is produced by Larry Allen, Inc. Jack Marshall, the funny man with the flexible face, will emcee the all-star revue, featuring six internationally-known acts, Phil Bovera and his network orchestra and 16 Helen O'Neill dancing darlings.

For the rodeo-minded a special treat is in store with the appearance of the Christenson Brothers of Eugene. With a goal of \$9,500 in cash and a \$2,500 State Fair Trophy, the West's leading cowboys will compete for world's champion in bare-back riding.

The nightly rodeo will also feature such personalities as: Patsy Stout, tops in trick roping and riding; Nancy Shepherd, feminine artist with a rope and horse; and Don Campbell and his coast-wise-famed palomino, the Talisman, acknowledged champion parade horse wearing a \$25,000 gold and silver saddle.

Events slated for the rodeo include bare-back riding, calf-roping, bull-dogging or steer wrestling, and Brahma bull and saddle-bronc riding.

Harking back to the good old days, a balloon ascension and parachute jump will be a free attraction every evening at 7. The ascent will be made from the vicinity of the farm machinery area. Ralph Wiggins, Hollywood daredevil, after performing acrobatics on a trapeze bar some 1,500 feet above the ground, will leap into space on his parachute jump.

"We have planned the 1952 Oregon State Fair," says Leo G. Spitzbart, general manager, "to afford something for every family to thoroughly enjoy."

Crash Into Bridge Kills Autoist Near Stanfield

STANFIELD, Ore. — William Stanley Milford, 28 of Yakima, Wash., was fatally injured early Thursday when his automobile crashed into a bridge railing just north of here on Highway 30.

A state policeman, who refused to permit use of his name, said he was driving 200 feet behind the Milford car, at between 50 and 70 miles an hour.

The injured man was taken to a Pendleton hospital, where he died. This was Umatilla county's 12th traffic fatality of the year.

State Insurance Board Aide For 20 Years Dies

PORTLAND — Funeral services will be held here Monday for Mrs. Wade M. Strohm, 64, secretary of the State Insurance Commission for nearly 20 years.

She died Thursday after an illness of two months.

Before joining the insurance commission she was secretary to the state real estate commissioner.

BOB BLACKWELL
Special Agent
New York Life Ins. Co.
Box 348 Roseburg, Ph. 3-8777

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J. M. Neal
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BOTH FOR 198 During August