



# FARM and GARDEN NEWS



## OSC Test Of New Water Wheel Launches Building; Installation Not Difficult

A single discussion over the state station, KOAC, some 10 years ago of a small farm-size water power electric generator installation has "snowballed" year after year until today at least 100 installations are known in Oregon and the O.S.C. engineering experiment station has issued a bulletin on the subject.

Such is the unusual story behind the recent publication of a bulletin called "The Bank Water Turbine" by Dr. A. A. Mockmore and Fred Merryfield of the civil engineering department.

This is not a popular extension type bulletin, by the way, but one filled with engineering graphs and formulas. It does, however, give a report on the testing done with this type of water turbine in O.S.C. laboratories, and indicates its possibilities for practical use where a small head of swift water is available.

The Bank turbine was invented and developed in Germany long before World War II. Dr. Mockmore obtained a report on this development and translated it. A model was then built and tested in the engineering laboratories, leading to the report of it made by Dr. Mockmore over the radio.

The response to the radio talk was so terrific that Dr. Mockmore's office was swamped with requests for more details and installation instructions. He arranged to have a mimeographed report issued which was used to answer correspondence that continued for many years.

Factories Get Busy  
Meanwhile several Oregon firms began manufacturing the small turbine and nozzle, the only parts that can't be homemade. A farmer could install one of these, hook a little generator to it, and have his own electric light plant. Scores did just that.

Installation is simple. A small wooden dam may be built across a small stream, and the water diverted into a wooden flume where a head of 10 to 20 feet may be obtained. Near the end of the flume a vertical box, or penstock, is constructed, to which the turbine nozzle is bolted. When the turbine is not in use the water simply discharges over the

flume.  
The new bulletin is a more detailed engineering report on the tests made with the Bank water turbine at O.S.C.

## Federal-Aided Soil Building In Oregon Advised

Farmers of Oregon will be encouraged to use the erosion control and soil building practices of the 1950 Agricultural Conservation program to make the best use of land taken out of allment crops. E. Harvey Miller, chairman of the State PMA committee said today. The national list of approved conservation practices has just been received and a state list is now being prepared for use in counties.

The chairman points out that the state wheat allotment of 944,891 acres calls for a reduction of 191,109 acres from the 1,136,000 acres seeded in 1949, and reductions may be needed in other crops also.

Where practicable the seeding of grass and legumes will be encouraged. This will make it possible to build soil reserves for the future and at the same time provide feed for additional livestock. With livestock numbers low, an increase will bring about a better production balance. It will be balancing production, not cutting production, the state chairman said.

The 1950 ACP program soon to be announced will be available to all farmers in the state. Within a few weeks, state handbooks carrying provisions of the program and a list of conservation practices which have been approved for Oregon will be sent to counties to serve as a basis for county programs.

As in the past, assistance under the program will be in the form of materials, services and financial aid, amounting to about half the "out-of-pocket" cost of the practices. This assistance is not to exceed \$2500 in any one farmer. Under the 1949 program, assistance was limited to \$750.

## Conservation Program Paying Off Two Ways

The investment the country is making in conservation is paying off, and a substantial share of the dividends is going to the consumers of the country, says J. F. Bonebrake, chairman of the Douglas County Agricultural Conservation committee.

The agricultural conservation program is a consumer as well as a farmer program. The major objective is to maintain and improve the productivity of the land so there will be enough food and fiber to meet all needs.

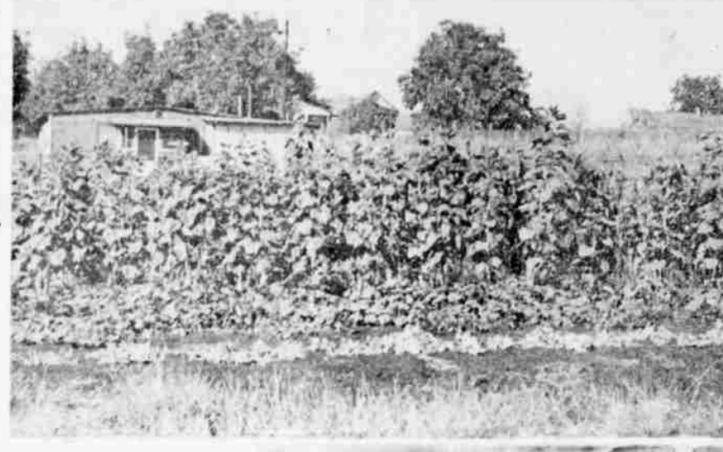
As the chairman points out, the people of cities and towns are dependent upon the land for food and fiber. They have a vital interest in keeping the land productive.

And, says the chairman, the work being done under the program is paying off. While the conservation work completed by farmers cooperating in the ACP cannot be credited wholly with the tremendous increase in production since the "thirties," the improved productivity of the land has made increased production possible through better agricultural methods, chemicals, and field crop strains.

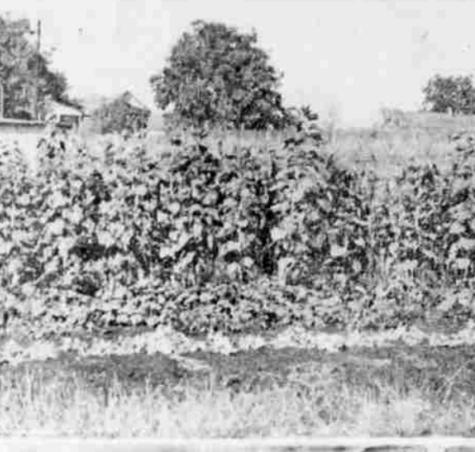
This increased production during and since the war represents consumer dividends from the investment made by the government in conservation in the last 13 years, the chairman points out. But, further than that, the soil has been built up and is being built up to continue to produce abundantly in the future. The very fact that allotments are needed to bring production into balance with needs, is in part due to the effectiveness of the Agricultural Conservation program.

And there are other direct consumer dividends which should not be overlooked, the chairman explains. The increased productivity of the land plus price supports adds to the farmer's buying power and increases activity in the transportation and merchandising of farm commodities. It means more business for main street and the market places in big cities.

The Flying Dragon glides from tree to tree on sails of thin skin, which stretch over its movable ribs.



GARDENER'S PRIDE—The large sunflowers, measuring more than a foot in diameter, and tall corn growing in the garden at the Orville Munson home on the Melrose road are his pride. Upper picture shows his home in the background and his tall sunflower plants in the foreground, from which he sells seeds to a local pet shop. Middle picture shows even rows of corn on left and cultivated squash beds in foreground. Lower, Munson shows his wife one of his sunflower blossoms. (Staff pictures.)



Harvest Help Needed in Many Parts Of Oregon

## Many Prizes Are Reported Given At Cow Creek Fair; Top Honors Are Announced

The second annual Cow Creek Community fair held Sunday, Aug. 14, turned out to be a major success. Larry Hill won the grand prize in the junior entries with a shorthorn beef calf, and Shirley Gilham took grand prize among the adults with a fat lamb.

The fair, sponsored by the Azalea Grange, was held at the Grange hall. A record crowd was present, making it necessary for some of the people to park on the county road adjoining the grounds. The main features of the inside displays were booths by the Azalea Home Extension unit and the Garden club.

All cash prizes for the fair were raised by the Grange through benefits and donations by the people of the community, and merchandise prizes were contributed by merchants in Azalea, Glendale and Grants Pass. The agricultural committee, with Henry Tanner as chairman, was in charge of the fair.

Following is a list of prizes awarded:  
Saddle horses—first, Bert Gilpatrick; second, Shirley Gilham; third, Frank Hill.  
Breed horses—first and second, Bill Sparks.  
Breed stock—first steer, Larry Hill; second, Diana Cripps; first heifer, Larry Muller; second, Nolan Tanner, all junior division; first, bull, servicable, Foreman's dairy; first, bull calf, Don Sloper; first, steer, Ora Conday; first heifer, Louis Brady; first, beef cow, Frank Van Valkenburg; best pen of cows, Shirley Gilham.  
Dairy stock—first, senior heifer, Rodrick Head; first, junior heifer, Larry Hill; all junior division, first, heifer, Ora Conday, adult division.  
Hogs—first, fat hog, Walter Hill; second, Bill Hill; first, feeder pig, Harold Tanner; second, Larry Dittz; junior division, first, fat hog, Shirley Gilham; second, Louis Brady, adult division.  
Sheep—first, breeding lamb, white face, Larry Worley; first, breeding lamb, black face, Lee Mills; first, breeding ewe, Mary Lee Rust; junior division, first, fat lamb, Shirley Gilham; second, Louis Brady, adult division.  
Rabbits—first, frers, Barbara Young; second, Clifford Worley; third, Richard Head; first, breeding doe, Clifford Worley; second, Larry Muller; first, junior breeding doe, Larry Muller; junior division, first, breeding doe, Mrs. Winstenburg; adult division, first, Richard Chambers; second, Dan Worley; junior division, first, dual purpose, Brady Foreman; chicken ranch, first, cross, Foreman's dairy; adult division, first, Della Rust; second, Carl Sheppard.  
Geese—first, Billy Muller; first, Foreman's dairy.  
Best display of vegetables—Peggy Sanderson.  
Best display of field crops—Virgil McCollum.  
Best display of flowers—Garden club.  
Best display of canning, Jane Rust.  
Woodworking—first, Jim Booth; second, Hal Booth.

Best display of canning—Jane Rust. Flowers, individual—first, Ruth Sanderson; second, Irene Oldenburg. Quills—first and second, Mrs. Sloper. Hook rags—first, Cora Chadwick. Tally sticks—first, Velma Anderson; second, Glenna Tanner. Clothing—Frank Sheppard. Crochet—Mrs. Hal Booth. Fancywork—Ruth Sanderson and Leta McCollum. Crocheted rug—Susan Tanner. Drawings—Mrs. Winstenburg and Cora Chadwick. Best display of needlework—Home Extension unit.

Poultry Improvement Assn. Elects Officers  
CORVALLIS, Aug. 22.—(AP)—The Oregon Poultry Improvement association elected G. A. Boyington, Hood River, president at the annual meeting at Oregon State college last week. He succeeds Don Anchors, Grants Pass. F. E. Fox and Richard Hanson, Corvallis; J. R. McRae, Milwaukie; Lloyd A. Lee, Salem, were elected to the board of directors. Holdover directors are Anchors and George Gilmore, Junction City.  
The association agreed to discontinue pullover controlled rating from the Oregon poultry improvement plan. This follows similar action in neighboring states.

About 650,000 people work in the nation's steel mills.  
Registered Willamette Valley red Romneys from imported rams. Choice selections now available. OAKMEAD FARM Newberg, Oregon

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## THE FEED BAG

PUBLISHED WEEKLY BY THE DOUGLAS COUNTY FLOUR MILL, MAKERS OF UMPQUA CHIEF FLOUR AND UMPQUA BRAND POULTRY & DAIRY FEEDS

Vol. XI, No. 32 Aug. 22, 1949.

Somebody Got Hurt. Ouch!  
We are reminded of the old ad: "They laughed when I sat down, etc." Once again our customers are being exhorted to change from UMPQUA FEEDS to "some feed." The salesman then proceeded to tell why UMPQUA FEEDS are not good.

And would you believe it! The main reason propounded is that "The Douglas County Flour Mill CAN'T make a good feed for the price they charge." Well, to our old customers, such reasoning sounds perfectly silly, which indeed it is. We have many customers who have never used any other feed.

We like those folks. We also like those others who have tried other feeds at the insistence of some salesman who said his feed, while maybe not the best in the world, was at least better than UMPQUA. And became better satisfied with UMPQUA feeds as a result of trying out the other feed, whose main selling point is, "Sure, our feed costs more. That's what makes it better!" Sound reasoning, what?

Right now, our old customers may turn the page. They have heard this one before. But for the benefit of our many new customers, let us say emphatically: "We first formulate a good feed. Then we figure the price as low as possible to cover the cost of good ingredients, fair wages to our men, a decent profit, and enough above all that to pay fire insurance, power, upkeep, and the huge amount taken out by government, national, state, city and school. That is the price you pay for UMPQUA FEEDS."

This next line is for the benefit of everybody, including the salesman who says we can't make a good feed for the price we ask. The Douglas County Flour Mill has been making feed for friends for over half a century. In all those fifty and more years, we have never sold a sack of feed without a guarantee that you must be satisfied, or your money back.

WE ARE TOO PROUD OF UMPQUA FEEDS AND TO FOND OF OUR CUSTOMERS TO CHANGE A POLICY WHICH HAS PROVED SO SUCCESSFUL FOR SO LONG A TIME. WOULD'NT YOU BE?

Cheap Turkeys  
Nobody knows what the price of turkeys may turn out. Probably better than some hope for. We hope so. But still, you must cut your costs as low as possible. In addition to using UMPQUA

## Uncle Hank Says

VISITING FRIENDS IS LIKE BREAKING IN A NEW PAIR OF SHOES—JUST A SHORT WHILE AT A TIME ELIMINATES THE CRAMP



TURKEY FEEDS, your best and most economical buy in turkey feed is SPELTZ. For some reason unknown, turkeys take to speltz quicker than they do to any other strange, new feed put out for them. You know how they rattle around something strange in the way of equipment or feed. But they seem to take to speltz like England takes to the Marshall Plan.

What we wanted to say is, the speltz crop locally has been fine. It yielded well, either as a volunteer winter crop, or a planted spring deal. We have our bins full of speltz till it's running out our ears. It is the lowest priced turkey feed you can get, your birds like it, you need to cut your costs, and there are three reasons you should drop in and take out or order out a load of speltz.

By the way, your chicken hens and pullets love speltz too. We know some folks who are feeding more speltz than anything else, and getting good eggs. Of course, egg producers don't need to save money, but it might come in handy if we have a hard winter.

AN OLD IRISHMAN collapsed in a store. The usual crowd gathered and suggestions were chorused. Above the din one voice called "Give the poor man whiskey," but nobody paid any attention, until the agonized voice of the victim rose above the din with: "Will the lot of ye hold yer tongues and let this fine Irish lady speak!"

Another Pullet Gone!  
Almost every one who has raised many chickens has experienced that sickening feeling

at the pit of the stomach upon finding another pullet has been plucked out by her cannibalistic sisters. But there is something to be done about it now, besides trying to salvage the carcass for table use, or, if it is too far gone, to cook it for the dog or cat.

There is a conflict of opinion, some thinking the proper stunt is to put on "spices," and another school leaning to DEBEAKERS. We lean to the debeaking school. It is rapid, seems to cause very little disturbance to the bird, which returns to eating in a few minutes. It is also economical.

You can buy an efficient debeaker at the Mill for about the cost of a pair of 500 hens. DON'T LOSE YOUR BEST PULLETS. Do something about it. Which ever you choose, specs or debeakers, see us at the Mill.

Boy, is Ah skeered! Jes' got a letter from a man threatening to cut mah heart out wif a razor if I didn't stay away from his chicken house.

Well, why don't you stay away from his chicken house?

The man didn't sign his name to de letter.

Classified Dept.  
FOR SALE: Good New Hamp breeding cockerels, R. Cary, Dixonville.

The County Fair.  
For many years Douglas County has been without a county fair. It has been embarrassing to talk with folks from other counties where the County Fair is the year's biggest event.

Now we don't have to hang our head any more. Douglas County is back in the swim, with the first fair in ages, August 25-28 and 27th. Don't miss it. Let's make the Douglas County Fair one of the best, yes, let's make it the best in the state.

Then, if you like horse racing, (and who doesn't), you can get your fill for a few days. All the rest of the week, under the lights, in the cool of the evening. You've never had a chance to watch horse racing under the lights away from the hot sun. Now is your chance. Don't miss it.

Most of the race horses are being fed on the stuff we sell, for you can't fool a good race horse owner. They find the best place in town and get their horse feed there. They found the Douglas Flour Mill right off the bat.

## TRUCK "BUY" OF THE YEAR



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## Harvest Help Needed in Many Parts Of Oregon

Two thousand additional pickers are needed to help harvest snap beans, hops, prune and other late fruits in various parts of the state, the Oregon State Employment service reports.  
Center of agricultural activity for the next month or six weeks will be the Salem area, where 1,300 more workers can be used at once in the early hops and snap bean harvest and where many more will be needed during the height of hop picking in early September. Cucumbers, blackberries, pears, peaches and grain also are ready for harvest.

McMinnville, Hillsboro, Gresham, and Eugene have issued calls for outside help, but there is room for only a hundred or two in each area.  
In Eastern Oregon, the only labor shortage area is around Freewater, where fresh prunes are being picked and packed. Tents are available occasionally at several farm labor camps, but most applicants should bring their own accommodations and equipment. Everyone is advised to be prepared for camping out and preparing their own food.

Pear harvest is in full tilt around Hood River and Medford, both of which offices report an adequate labor supply. Ontario, which had early shortages of field workers, also has a surplus at the present time.  
Before moving to any area, prospective workers should make inquiries from the nearest local employment office, it is warned.

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