

# Watershed Program Takes Competent Work, Much Time

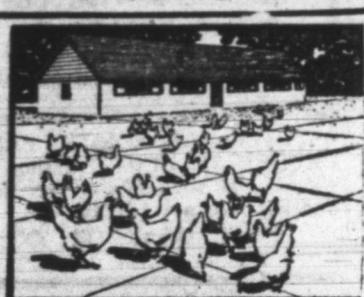
## Steps to Success

Last week we told you how a small watershed program gets started. We took you up to the initial interest meeting. The question now is "Where do we go from here?" That's the question the folks who attend the interest meeting will be asking, too.

Anything as big and complicated as a watershed program takes time. It's well to understand this at the beginning. One of the things that makes it slow is the number of people involved and the number of decisions that must be made. Another thing is the extensive survey work that must be done in the field. It will be helpful to keep in mind the usual order of events.

Before the local group submits an official application, the Soil Conservation Service often makes a fact-finding examination of the watershed. This is known as a "look-see" at the possibilities. Up to 25 or 30 watershed leaders and technicians may attend. It's a good place to size up the situation and make a start with good relations between those persons who will have the most active part in planning and carrying out the project. The report of this field examination may be used by the governor for approving the application. He then sends it on to the state conservationist of the SCS.

The next step is the preliminary investigation made by a small group of technicians. The Soil Conservation Service and other responsible agencies will examine the physical and economic features of the watershed. There will usually be some conferring between agencies on facts that are turned up. A date will be set with the local sponsors to report what has



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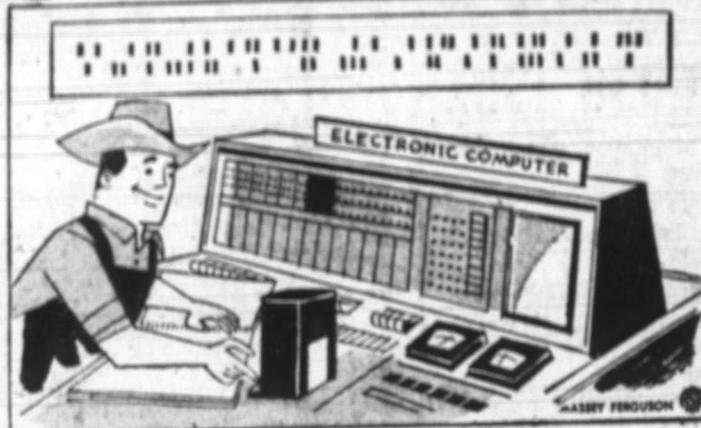
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## FARM PROFIT



## Electronic Magic Helps Farming

Electronic computers, those mathematical magicians that help design and guide the Sputniks and Pioneer Satellites, will become one of the most important tools of farm management during the 1960s, according to a Massey-Ferguson research report.

Researchers were asked, "What can these electronic 'brains' do to help the farmer?" The answers they received were from their survey of computer experiments at the Universities of Illinois, Michigan, Iowa, State, Texas and others. Computer expert Cecil Parker is setting up programs to help Texas farmers. He predicts computers will soon be able to show them how they can shift enterprises enough to increase income from 20 to 25 percent.

Already, a giant 'brain' like Iowa's Cyclone, can help you decide the most profitable rotation for your farm, the right fertilizer application and the combination of livestock that will make the best use of your time and feed.

Here's how "Cyclone" answered one problem an Iowa farmer submitted. He wanted a livestock program limited to homegrown feeds for his 272 tillable acres. His hog production had to be limited to 80 litters. Either heifers or steer calves could make up the cattle program and poultry could be kept, if that seemed profitable. What should he do?

The facts were fed into the computer. The lights put on a quick fourth of July. Almost instantly, the 'brain' spewed out a series of answers. At the \$15,000 capital level, the computer said, 80 litters of pigs looked like the best bet. With \$20,000, 80 litters plus 40 steer calves and more meadow in rotation, looked best. When cost of corn, hogs, steers, etc., were submitted the picture changed rapidly. The farmer learned at precisely what price levels one operating combination became unprofitable so that he could shift to another combination.

State college folk say they have still a lot of experimenting to do before they know how far computers can go in helping farmers. Many farm management problems have proved too pesky to express in the mathematical language an electronic brain can cope with. None of the experts have figured how to make a computer handle such unpredictables as weather, insect damage, or fouled up schedules when Old Joe, the hired hand, announces his gimpy leg is acting up again, but the consensus is, that within the decade electronic planning could be as common as soil testing.

Will computers eventually take over all farm management thinking? The experts say no. Electronic 'brains' can't think at all. They can only follow a program of mathematical instruction devised by a human brain. Their value is that in a minute they can complete a thorny math problem that would take you a month to a year on a desk calculator, or a lifetime with pencil and paper. Increasingly, they will provide farmers with vital information, never before available, that will take the guesswork out of farm decisions.

(Next Week: More about the Work Plan).

Purdue University agricultural engineers remind farmers to check batteries in their electric fence chargers before pasture season.

Seeding birdsfoot trefoil with spring oats and then pasturing the oats have produced successful results in many Indiana counties, according to Purdue University agronomists.

Castrate and dehorn calves before the fly season, advise Purdue University animal scientists.

Pasture is the most economical forage for dairy cows on most Indiana farms, say Purdue University dairy scientists. Dairy farmers should shoot for a goal of 180 days of grazing a year.

## Of This And That

Do You Do It?

Easter — a season of promise, hope, and of new life. A time when all nature illustrates the rebirth of Christ by bursting forth from winter's deadness. Easter is a season of joy and each of us wants to celebrate it in a spirit of love and kindness and pleasure in new life emerging from darkness or even death.

Aside from its deep religious connotations, there are other symbols of Easter which become familiar to us as children and many of these customs are so old that their connections with Easter are unknown. For example, take the egg, there are many theories on how it became related with Easter. Many relate the egg with the beginning of the world; thus the beginning of life. Just how the rabbit or Easter bunny fits with the egg is an unsolved mystery. Unless the rabbit could be a symbol of fertility as they are notably prolific.

Now, the egg and rabbit leave many happy memories of Easter as we grow older. Remember the Easter bunny's treat, egg hunts, and the joy of rolling eggs. In Europe, hard-boiled eggs are rolled at each other on a field, and the one remaining unbroken at the end of the game is the victor egg.

Lambs are a typical Easter symbol which refer to the Lamb of God, and represents Christ. Somehow it also stands for the human being, as when Christ is portrayed as the Good Shepherd carrying a lamb upon his shoulders. Anyhow we think of lambs as being pure, spotless, meek, and lowly.

As the Jewish lamb became a symbol of Christ, the Jewish Passover became the Christian Easter. The Passover celebrated the deliverance of the Hebrew children from the Egyptians. Thus, this deliverance has a bit of connection with out deliverance over death.

These customs help us remember Easter, just as many families serve Hot Cross Buns on Good Friday. This helps each family remember Christ's death on the cross. Whatever, your families customs and traditions are concerning Easter, don't let them outshine the real meaning—Christ's death and glorious Resurrection.

**Easter Eating**

Easter is one of the most beautiful feasts of the calendar. For one thing, Easter beckons in spring. Easter makes us think of traditional and festive foods; therefore the old combination,

## Now It's Frozen Fried Eggs

Egg 'em on and there's no telling where they'll stop! Frozen fried eggs, frozen french toast and freeze-dried scrambled eggs are only a few of the packaged marvels to emerge from Purdue University's poultry processing and packaging laboratory.

This pilot plant, established in 1955 for the purpose of research in poultry products technology, today serves as a training ground for students planning to enter consumer product research. Under the guidance of Dr. W. J. Stadelman, they investigate basic and applied problems relating to quality evaluation and maintenance in eggs and poultry meat products.

"Come along and see how we cook a few of our projects," says Dr. Stadelman.

The yellow-tile laboratory seems more like a sunny kitchen than a research center. Fragrant breakfast aromas are likely to greet the visitor. White-frocked students —interning as graduate assistants—bend over microscopes and frying pans.

As in most kitchens, first stop is the refrigerator. From a 20-pound freezer Stadelman removes several toast-size, black packages.

"These," he explains, "are fried eggs."

"We probably have the only five-pound roll of black aluminum foil outside the manufacturer's labs," he continues. Tearing off a corner of the square, black, fried-egg package he points to the interior of the wrapping. "This foil is made by applying a black lacquer to one face of ordinary aluminum foil. The black lacquer is necessary to conduct heat rapidly to the frozen package contents. Shiny foil reflects heat away, resulting in cold fried eggs."

We have now reached a spotless counter and a shiny, new toaster. "I have removed the corner of the package for more than demonstration purposes," Stadelman adds as he drops the thawing package (tinfoil side up) into the toaster. "Heat expands the contents and without this escape vent, expanding steam might burst the package."

**Corn** Set the toaster near 'dark' and be ready with a plate," he directs.

You'd better be ready. Wisps of steam emerge from the toaster corner and in just the time it takes to tell about them, up pop perfect fried eggs—unbroken golden yolks in fully cooked whites.

Install roosting poles 15 inches above the litter in houses for growing, egg-type pullets by the time the chicks are four weeks old, suggest Purdue University poultry scientists.

Farmers growing alfalfa and clover should examine plants early to detect possible spittlebug infestations, point out Purdue University entomologists. If the orange-colored nymphs average one per stem, application of insecticides will increase hay yields. Apply methoxychlor, BHC or Lindane according to label directions.

**Bunny Salads** Need a good salad which will delight the kiddies? You might try this bunny salad for something special.

1/2 cup hot water  
1 cup pineapple juice and water  
1 teas. grated orange rind  
1/2 cup drained canned crushed pineapple  
1 cup grated carrots  
Dissolve gelatin in hot water. Add pineapple juice and water and the orange rind. Chill until slightly thickened. Then fold in pineapple and carrots. Pour into 6 to 8 individual round molds. Chill until firm. Unmold on crisp lettuce. Add carrot strips to form ears, a large marshmallow for the head, and half a marshmallow for the tail. Serve plain or with mayonnaise if desired.

**4-H Fair**

Plans were started for the 4-H Fair by the Extension Executive Committee which met last Monday afternoon. They named chairmen for each of the different departments and will be continuing to work with these people in organizing the fair.

**4-H Officers Training**

There was an excellent turn-out for the 4-H Officers Training

## County Agent's Corner

By LEO N. SELTENRIGHT

School: about 260 officers. Thanks to each of the instructors who so ably assisted with the training—Harold Schwartz, Sally McCullough, Dick Heller, Homer Winteregg, Lois Folk and Dick Tomkinson. Thanks also to the Adams County Farm Bureau Co-op for furnishing refreshments.

**Oats**

Oats sowing is getting later and later. Why don't somebody do

something to the crazy weatherman, so maybe he will help us out a little. Some warm, sunshiny days would start the fish biting too.

**Oats Variety Plot**

When it does get fit to work the soil, the oats variety plot will be put in on the Elmer J. Isch farm in Kirkland Township. Varieties included this year will be Bentland, Clintland, Clinton 59, Clintland 60, Goodfield, Minneha, Newton and Putnam.

**Minimum Tillage**

You would be interested in a comical Cliff Spies, extension ag-

ronomist, made Monday evening at the soil conservation supervisors meeting. He said that he ex-

pected a great deal more interest this year in minimum tillage due to the late season.

**Judging**

The 4-H and FFA Livestock and Dairy Judging contests were held

Friday on the farms of Peter B. Lehman, Sam Kaehr, Paul Kohne, Lengerich Brothers, and Homer Winteregg.

**Calendar**

4-H Junior Leader Meeting — April 11, 7:30 p.m. at Lincoln School in Decatur.

District Rural Youth Meeting — April 18 at Bluffton.

Cattle Feeders Day, April 22 at Purdue University.

In addition to those monetary costs, there is the physical suffering, discomfort and inconvenience associated with every major accident.

to place a dollar value on the cost of a farm accident because there are many indirect as well as direct costs which must be considered.

The costs of farm work accidents—like an iceberg—are largely hidden. The small portion of the iceberg above the water line can represent the direct costs, which in case of a farm accident will be largely medical.

The large portion of the iceberg below the water line represents the indirect or hidden costs. Some of these are time lost by the injured worker, cost of hired help to do the necessary farm work, possible loss of farm crops resulting from delay in harvest, and damage to farm equipment.

In addition to those monetary costs, there is the physical suffering, discomfort and inconvenience associated with every major accident.

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