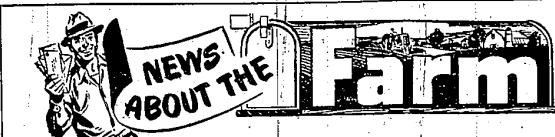


## Annual Dairy Show To Utilize Larger Quarters

The International Dairy Show, plan Rodeo, scheduled as an entertainment in conjunction with the "huge addition to the International Amphitheatre at the Chicago Stock Yards when the second annual dairy show is held there October 9 to 16.

Work on the 185,000 square foot structure, adjoining the present building, the month is being pushed for completion in time for the opening of the Dairy Show. In part, it will house stock that will be seen in the World Cham-



### INHABITANTS OF FIELDS, GARDENS GIVE SYMPHONY

Nature's wild musicians at one time or another have assaulted the ears of almost everyone. Yet few people realize that the performers, include instrumentalists as well as vocalists, are all male, and stage their performances according to a seasonal schedule.

The first act closes in mid-July and August as the bird and frog vocalists gradually bow off the scene, leaving the spotlight on insect fiddlers and drummers who din their varied rhythms well into autumn.

Although birds continue to chirp, two other groups offer their music. The characteristic songs of each species, always performed by the males, occur less frequently in mid-summer, according to Walter P. Nickell, naturalist at Cranbrook Institute of Science, Bloomfield Hills.

Earliest vocalists in the frog family is the tiny cricket frog who begins his mating song in March. The chorus continues as larger species, spring peeper, American toad, leopard frog — add their deeper voices in April and May, and then diminishes through the baritone of the green frog to last July.

Just as the singing of the frogs gives out voices, insect instrumentalists begin to tune up. Strangest of these is the cicada. He is actually a drummer or percussionist, since his loud chirring, which can be heard night or day, is made by beating together, two membranes of his body.

Most of the bird musicians are "vocalists" however, and play their part on dark days. Their tones are made by rubbing either legs or wings together, according to species, to create vibrations that are heard as human ears and felt by other insects.

Since insects, unlike warm-blooded animals, are unable to regulate their temperature, they are highly sensitive to temperature changes. One scientist found that the snowy tree cricket was so consistent in slowing down his rhythm in cool weather and speeding it up in warm that the exact temperature could be determined by counting the number of sounds he made per minute.

Besides having his own rhythm and pitch, each kind of fiddler goes instinctively to his position in the "seating arrangement" of nature's orchestra.

The mole cricket, who lives in tunnels of his own making, pushes his mate toward the surface when he is ready to perform and actually plays from underground through a crack in the mound.

Less modest is the black field cricket, the kind often found around hearths and other warm places in winter. He always plays near ground level, while the common grasshopper prefers to be on bushes, 3 or 4 feet in the air.



**VICTORY DINNER** — Roger Thorson, 15, of Morris, Ill., is proud of his ribbon, but his Grand Champion Berkshire ham is much more interested in the grocery department than the ribbon counter. The animal took top honors in the Junior Market Hog Show, at Chicago, Ill., where some 640 hogs were exhibited by 4-H boys and girls from Indiana and Illinois farms, as part of their 4-H and FFA agricultural projects.

### Bulk-Spread Fertilizer Applications Recommended By Expert This Fall

Fertilizer spread on fields costs no more than fertilizer in the bag in many Michigan farming areas.

Truck-spread operators bring the grade ordered and spread it at the requested rate, explains James Porter, extension soil scientist at Michigan State College. Bulk spreading has a place on many farms, but it should be used in addition to row application, not in place of it, Porter notes.

Bulk spreading is excellent now, for legume seeds to be left for hay or for pasture, for one or more years. It may also have a place for a portion of the wheat fertilizer.

Soil tests frequently show that 0-20-20, 0-10-20 or 0-20-10 grades, or other grades of similar ratios, are well adapted to a rather large area of the state for legume production, Porter says. This helps the fall growth and "fatten" the roots to make plants winter hardy. The fertilizer will be there to give an extra boost for spring growth.

This fall application aids not only the legume seeds that have been brought through one or more harvest years. Porter points out that it helps new seedings, too. This is also true in the spring. This is even more true if fertilizer was not supplied in abundance when the seedling was made.

Wheat can profit from 500 pounds of fertilizer per acre, especially when a legume seedling is to be made, Porter advises. This is quite a chore — to load all of the fertilizer on the truck to be applied at planting time.

Extension Soil Conservationist Russell G. Hill points out that farmers can now charge off up to 25 per cent of their gross farm income for various soil improvement practices.

Included are leveling, graders, terracing and contour plowing; changing and drainage ditches; controlling and protecting waterways, outlets and ponds; building earthen dams; planting windbreaks and eradication brush.

### New Tax Law Will Aid Farmers, Conservation

Michigan farmers are more inclined to save soil conservation costs under the new tax law.

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### Fall FARM SEEDS and FERTILIZERS

#### Cornell Certified SEED WHEAT

#### Michigan Grimm ALFALFA SEED

#### BROME GRASS

#### TIMOTHY SEED

#### LADINO CLOVER

#### SWEET CLOVER

#### Medium RED CLOVER



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### Livestock Show To Feature Junior Competition

The International Dairy Show at Chicago, October 1 to 10, will feature competition for 4-H and FFA members, 12 to 18 years, to exhibit animals of their own raising in all breeds; and young people will also take part in Collegiate and 4-H dairy cattle judging contests as well as in a collegiate dairy products judging contest that will be held this year.

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Thirteen rodeos are scheduled.

... and

### GARDEN

### New Development Makes Poultry Vaccinating Easy

You may not need to handle each of your chickens to vaccinate them.

You may simply put the vaccine in their drinking water or dust the dried vaccine over their feathers with an ordinary garden dust.

These are two new developments that soon will be available in Michigan, according to Dr. S. C. Schmitte, Michigan State College poultry disease specialist.

The drinking water vaccine is designed only to prevent Newcastle disease at present. Dr. Salisbury's Lodi, Ohio, the firm which manufactures the material, announces that it soon will be available for infectious bronchitis.

Tests at the Storrs Agricultural Experiment Station in Connecticut show this vaccine offers promise.

The dust vaccine works in much the same way and is designed to combat the chicken anemia, Dr. Schmitte says. It is not necessary to get dust on each bird for the vaccination to take effect — the chickens breath in the material.

This vaccine, designed for use against both Newcastle and infectious bronchitis, will soon be released by Lodi Laboratories, Dr. Schmitte says that the easy methods of vaccination may revolutionize the process. But, he adds, only widespread use will tell how they compare with the present individual bird handling methods.

### FARM CALENDAR OF EVENTS

September 14 - 16 American Country Fair Association, Michigan State College.

September 16, Ferndale Field Day, hours 9:30 and 1:30, Ferndale.

September 17, Potato Harvesting and Storage Field Day, Lodi.

September 18, Michigan Herd Association, 4-H and FFA Field Day, Town House farm, 3 miles south of Lodi City.

September 20-21, Midwest Poultry Breeders Conference, Kellogg Center, MSC.

September 22, Future Farmers Lamb and Steer Sale, St. Johns.

U. S. farmers are more inclined to coal-burning crop dryers materially increase farm income and that the crop dryer is becoming an indispensable implement.

Tolls for autos and trucks using the new Mackinac Straits bridge will be about the same as are now charged by the ferry service.

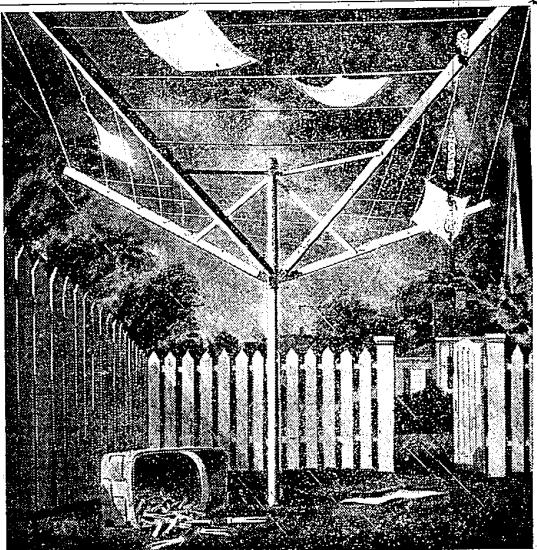
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will be the first event to utilize the new amphitheatre in conjunction with the dairy cattle show.

The expanded amphitheatre will be the country's largest exhibition building. The added space nearly doubles the exhibition area of the original International Amphitheatre, which was constructed 20 years ago. It will be equipped with a sunken rail track from which ten freight cars can be unloaded at once at floor level.



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"To the unknown  
operator who saved  
my life..."

That's how the letter began. It was sent to Michigan Bell by Mrs. Ida Vaughn of Ann Arbor. Here's why.

One evening, Mrs. Vaughn, who then lived alone, suffered a severe heart attack. She was able to reach her telephone but was choking so badly the operator could hardly understand her.

The operator checked the address and notified the hospital. Then she learned the family doctor's name from Mrs. Vaughn and telephoned him.

She asked if there were any relatives she should call. Mrs. Vaughn gave the name of her daughter. The operator called her and soon was on the way to the hospital with her mother.

Mrs. Vaughn's letter ended this way,

"I frankly do not think I would be living today if that operator had not been on the job that evening. Many, many thanks for wonderful service at a time when most needed."

The "unknown" operator is no longer unknown to Mrs. Vaughn, of course. She is Mrs. Bonnie Walker.

For her alertness, presence of mind and resourcefulness she has been awarded a Vail Citation, a telephone company award for outstanding service.

Mrs. Bonnie Walker,  
the "unknown" operator

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