

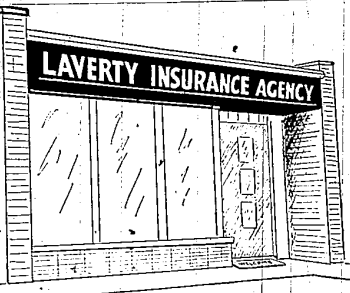
Annual Dairy Show To Utilize Larger Quarters

The International Dairy Show will be the first event to utilize 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 158,000 square-foot structure, adjoining the present building at the south, is being rushed 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-

plan Routes, scheduled as an entertainment in conjunction with the dairy cattle show.

The expanded amphitheatre will be the country's largest exhibition building. The addition nearly doubles the exhibition area of the original International Amphitheatre 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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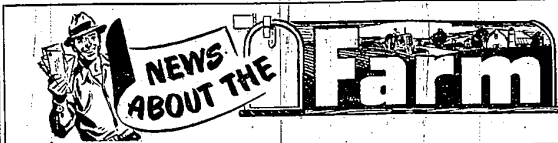
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INHABITANTS OF FIELDS, GARDENS GIVE SYMPHONY

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 "acts" according to a seasonal schedule.

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

Although birds continue to chirp, twitter or squawk after the nesting season, the characteristic songs of each species, always performed by the males, occur less frequently in mid-summer, according to Walter P. Siekeli, naturalist at Cranbrook Institute of Science, Bloomfield Hills.

Earliest vocalist in the frog family is the tiny cricket from who begins his mating and serenading in March. The chorus crescendos as larger species — spring peeper, American toad, leopard frog — add their deeper voices in April and May, and then diminishes through the harpison of the green frog to the bull frog's last bass solo in late July.

Just as the singers are getting out of voice, the 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 in his body.

Most of the insect musicians are "soloists" however, and play only at night or on dark days. Their tones are made by rubbing either legs or wings together, according to species, to create vibrations that are heard by human ears and felt by other insects.

Since insects, unlike warm-blooded animals, have no built-in heat regulator, 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 riddler goes instinctively to his position in the "concert arrangement" or nature's orchestra.

The mole cricket, who lives in tunnels of his own making, pushes a little mound near 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 indoors. He always plays near ground level, while the cone-headed grasshopper prefers to be on bushes, 3 or 4 feet in the air.



VICTORY DINNER—Roger Thorson, 15, of Morris, Ill., is proud of the blue ribbon, but his Grand Champion Berkshire barrow 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 89 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-spreader 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 sods to be left for hay, or hay and 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 ratio, are well adapted at rates of 200 to 300 pounds per acre for legume sods. This helps the fall growth and "fattens" 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 sods that have been brought through one or more harvest years, Porter points out, but it helps new seedlings — in grain or alone, the past 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 this fertilizer into the grain drill at planting time. If the soil is dry, this much fertilizer put on the seed may damage grain sprouts. The MSC soil scientist suggests putting 200 to 250 pounds on with the wheat at planting time and bulk-spreading the rest.

Supplemental nitrogen may be bulk-spread on wheat but applications should be delayed until the soil is cool, October 20 or later, notes Porter. The nitrogen will stay in a fixed form then, will not leach out over the winter.



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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 the chickens with an ordinary hand duster.

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

The drinking water vaccine is designed only to prevent Newcastle disease at present. But Dr. Schmitt's Laboratories, 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 as one dropped into the chicken's nostril. Dr. Schmitt points out that it may not be 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 disease and infectious bronchitis, will soon be released by Leslie Laboratories. Dr. Schmitt 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 Life Association, Michigan State College.

September 16, Perden Farm Field Day, tours at 9:30 and 1:30, Chosunau.

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

September 18, Michigan Hereford Association, 4-H and FFA Field Day, Town House farm, 3 miles south of Imlay 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 discovering that coal-burning crop dryers materially increase farm income and that the crop dryer is becoming an indispensable implement.

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

Livestock Show To Feature Junior Competition

The International Dairy Show at Chicago October 9 to 16 will feature competition for 4-H and FFA boys and girls to exhibit animals of their own raising in all breeds; and young people will also take part in Collectate and 4-H dairy cattle judging contests as well as in a collegiate dairy products judging contest that will be introduced this year.

Thirteen rodeos are scheduled. Conducted as sporting events, the country's top cowboys will compete for champion hip points in a number of singing events that will include bronc-riding, bulldogging, calf roping, and Brahma bull riding.

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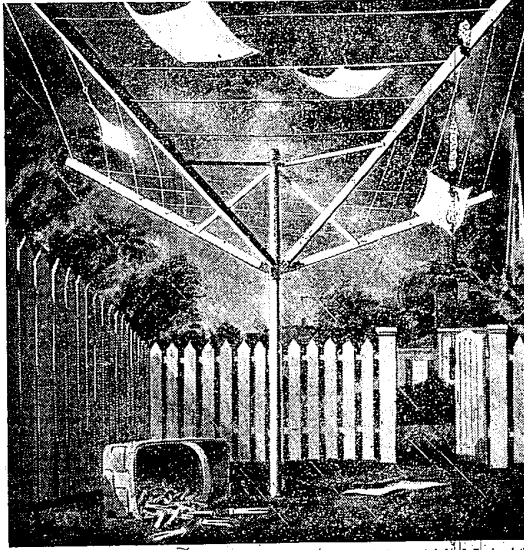


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"To the unknown Operator who saved my life..."

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 she 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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