

FARM CALENDAR OF EVENTS

September 13 - 17, Blastling Course, Michigan State College.
 September 14 - 16, American Country Life Association, Michigan State College.
 September 16, Perden Farm Field Day, tours at 9:30 and 1:30, Chesaning.

More beef is being produced and consumed in 1964 than ever before in history, note MSC agricultural economists. Last year we averaged 77 pounds of beef to eat - this year we'll have 79 pounds.

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SCHEDULE WORK ON MORE FISHING SITES IN LOWER MICHIGAN

Sixteen fishing sites have been developed for public use to date this year, conservation department fisheries workers report.

At present, department crews are working in the upper peninsula and by December 1, eight sites will be completed in that region.

Then the crews will move equipment south to work through the winter months.

To date under the program, 224 fishing sites have been completed and are open to public use in the state. Another 201 undeveloped sites are in public ownership; these will be developed and made available as quickly as funds permit.

In general, sites must be provided with roads, parking areas, boat launching sites and other facilities before they are usable by the public.

Permit Required Before Importing "Pet" Birds

Before you import any wild animal or bird into Michigan, you must first obtain an importers permit from the conservation department, law enforcement workers emphasize.

The permits may be obtained from the department's game division at Lansing 26, Michigan.

Recently, conservation officers have had to disappoint several owners of wild "pets" because of a failure to fulfill requirements of the law.

The law does not apply to domestic birds or animals.

Home gardeners who planted both tomatoes and peppers in 1964 may beat the weather, reports MSC horticulturist S. H. Withener. The hot June followed by cool weather hurried peppers. Tomatoes had a slow fruiting start and are hitting a peak in September.

FARM NEWS

Farmers Have Set Production Mark, Farm Head States

American farmers have outdistanced most American industrialists since World War II when it comes to setting production records, Roger Fleming, secretary-treasurer of the American Farm Bureau Federation, told the National Association of Manufacturers forum: "It's Your Business", held last week.

In 1959 he pointed out, the average farmer produced enough for himself and 11 other people. Today he produces enough for himself and 18 others, an increase of 67 per cent.

Since the war, Fleming explained, mechanization on farms in America rose 250 per cent - representing 2 million new machines - and 11 times more capital investment in agriculture productive facilities.

Home Brinkley, executive vice-president of the National Council on Food, said today's major agricultural problem is surplus, not scarcity. This enormous production increase is causing American farmers to pay attention to marketing problems, he continued. Mr. Brinkley stated the same kind of intensive research applied successfully in foreign nations will be conducted on farm marketing.

Brinkley suggested greater attention on the part of farmers to consumer preferences and market improved methods. America's farmers can keep pace with growing demands of consumers and industry, even though our population reaches 220 million by 1975. Since World War II, the yield per acre on American farms has increased by a third.

Mr. Kenneth R. Miller, senior vice-president of the NAM, was moderator at the forum.

STUDY OF LAMPREY THYROID COULD BE HELPFUL TO MAN

The sea lamprey, often called the curser of the Great Lakes, may prove of scientific benefit to mankind through studies of its thyroid gland, which is similar to man's, scientists at the University of Michigan's Douglas Lake Biological Station.

Charles W. Cresser, professor of zoology at the station, had finished about 13 years of study on the lamprey, work which in part provides a "scientific background for understanding the human thyroid gland during the regular academic year. He is affiliated with the Wayne University Department of Biology.

Professor Cresser began his work using radioactive iodine in 1941. He used the lamprey because it is the most primitive of all vertebrates and also has a gland similar in function to that of man's. He was attempting to find "what organ in this animal accumulates iodine."

After feeding radioactive iodine to the lamprey, Professor Cresser and his co-workers photographed sections of its throat and discovered the iodine accumulated in the evolutionary forerunner of the thyroid gland, as it does in man.

Study has also shown that a low supply of iodine results in fishes developing a goiter. It also was found that there is 1.4 parts per million iodine in the waters of Douglas Lake and Lake Michigan which is enough to prevent goiter in the lamprey and fishes of Michigan natural waters.

Professor Cresser and associates are now using the lamprey in studies on the adrenal gland to find out where and what the gland is, its anatomical condition and its function in "this most primitive of vertebrates".

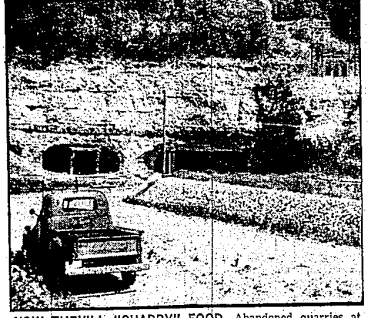
State Parks Net \$300,000 During '53-'54 Fiscal Year

The conservation department's parks and recreation division collected about \$200,000 during fiscal 1953-54 in various fees, state officials report.

The fees were collected for boat rentals, camp permits, ski tow rides and from concessions and other miscellaneous sources. The money is placed in the state's general fund.

Three among every five pupils enrolled in elementary and secondary schools last year received basic lessons in volunteer service from others through Junior Red Cross programs in the schools.

A contribution of five cents by each of the 19,500,000 Junior Red Cross members constitutes the equivalent total value of gift boxes filled in the schools and shipped to children in other hands.



NOW THEY'LL "QUARRY" FOOD-Abandoned quarries at Turner, Kan., are being outfitted as giant cold-storage lockers. Seven acres of underground storage will be available when the \$1.5 million project is completed. A key named concern undertaking the huge task is the Inland Cold Storage Company.

High-Priced Feed Supplements Not Necessary For Good Dairy Cows

Dairy cows don't need a long list of high-priced feed supplements that are supposed to do everything but the chores on the farm. Good dairy cows earn the biggest profit when given home-grown feeds, emphasizes Carl P. Huffman, Michigan State College dairy nutritionist.

Huffman names the "big three" of dairy feeds - hay, silage, and pasture - as the best source of cheap energy. Now is the time to discontinue the purchasing of fancy feeds which tickle the imagination of the feeder, but do nothing for the health or production of the cow.

The "unidentified grain factor" is also listed by the nutritionist as an important consideration. It shows up in large amounts in immature pasture and grain as well as in corn silage.

Alfalfa cut in less than one-half bloom and immature timothy, brome and quack grasses can be fed with much less grain than full bloom hay requires.

Huffman points out that in MSC experiments corn in corn silage showed up as a potent milk producer. When feeding corn silage to dairy cows, the amount of grain fed in the manger should be reduced at least one pound for each ten pounds of corn silage fed.

Foreign germs in dairy cattle convert low grade protein to high class protein very easily. Cows producing two pounds or less of milk per day - and this includes most of the cows in Michigan - don't need a protein supplement when they are getting a good amount by home-grown feeds.

Wildlife Federation Gives Aid For State Projects

National Wildlife Federation grants ranging from \$750 to \$500 helped finance conservation workshops for school teachers in 13 states this summer. The federation also announced aid through affiliated organizations to special conservation projects in seven states.

Among the special grants listed was one to the Michigan United Conservation Clubs for a boys' conservation camp and a graduate scholarship in natural resource management.

Matches - with fertilizers - are helping Michigan's big cherry orchards, reports MSC horticulturist A. L. Kenworthy.



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Use Care Buying Feeder Cattle

Don't be in a hurry to buy your feeder cattle unless you can get a bargain on the kind you want. The drought bargains are gone and shrewd buying of feeders will be needed to make good profits.

That's the word from Donald L. Stark, extension livestock marketing specialist at Michigan State College.

Feeder buyers, he contends, need a bargain between the price they pay for feeders and the sale price of fat cattle to make a profit this season.

Feeders will be as plentiful as last year for fattening and there will be more calves, according to Stark.

He believes that if the fat cattle market stays around \$25 per hundredweight, feeders should buy their stock for \$20 a hundred-weight or less.

Prices of stocker and feeder cattle are normally lowest in October. Further drought conditions, however, could start large runs earlier.

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