



FDIC

JUST 9 DAYS LEFT TO REGISTER FOR THE STUDENT BICENTENNIAL ARTS AND CRAFTS SHOW (grades 7 thru 12)

# Clinton County News

MARCH 31, 1976

Serving the Clinton Area Since 1856  
ST. JOHNS, MICHIGAN 48879

54 Pages-2 Sections

20 Cents

## Bicentennial calendar

**STUDENTS IN GRADE 5 through 12**—Are reminded that their essays for the Clinton County Historical Society must be postmarked no later than April 1. First, second and third place prizes will be awarded with the grand prize winner selected from the winning entries. A traveling trophy will be awarded to the school from which the winning student comes. The trophy will be engraved with the year and the name of the student and the student's school. Theme for this year is, "I Didn't Know That," concerning interesting facts about Clinton County which would portray life in days gone past.

**JUNE 26**—At M.S.U. campus the 4-H Clubs present "Salute '76," all are welcome. There will be action exhibits, an authentic log cabin, museum display, boutiques, heritage market, antique cars, and entertainment. All the events will be free of charge except the entertainment portion of the program. The clubs are expecting 40-50,000 will attend this important event.

**DEADLINE EXTENDED**—The Clinton County Bicentennial Committee has

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## Area happenings

**APRIL 2-E**. Olive Scouts Pancake Supper, Bingham Grange Hall, corner of US-27 and Taft Rd., 4-8 p.m. Adults \$1.75, children 12 and under \$1. Proceeds to help send Scouts to camp.

**"ANNIE GET YOUR GUN"**, the Broadway Musical by Irving Berlin continues at St. Johns-High-School's Pockils Auditorium for the second weekend. Tickets are available for this bicentennial production for both Friday and Saturday performances and may be reserved by calling the box office at 224-2394 between 8 a.m. and 4 p.m. Performances begin at 8 p.m. and tickets at \$1.25 for students and \$2 for adults may be purchased at the door.

**APRIL 3**—A trio of nationally known Gospel artists, the Good Time Singers of Evansville, Ind., will appear at the First Assembly of God Church, corner of US-27 and East Baldwin at 7:30 p.m.

**APRIL 3**—Building clinic for Soapbox Derby Racers. Kids, enter the 1976 Soapbox Derby by visiting Bee's Chevy Olds or by calling Terry Cornwell, 224-3106 or Tom Hutton 224-2872. First inspection, May 8, noon, downtown St. Johns; inspection and final run May 15 from noon until 4 p.m. on Railroad St. May 19, final inspection, downtown St. Johns 6:30 - 9 p.m. Derby Day, May 22, parade at 2 p.m.

**APRIL 5**—The Clinton County Chapter of MARSF will meet at Eureka School at 6 p.m. for a potluck dinner. Spouses are invited.

**MARCH 31-APRIL 3**—Trading Post opens March 31 - 1 p.m. to 5 p.m., April 1 - 9:30 to 9 p.m., April 3 - 9:30 to 5, Elsie American Legion Hall. We accept miscellaneous items and clean seasoned clothing in good repair. Sponsored by Women's Literary Club.

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## Test tornado horns

**ST. JOHNS**—Tornado horns will be tested in St. Johns Saturday, April 3.

The horns will sound at noon and continue for 3 minutes. In the case of a tornado of definite danger to the area, the horns will announce the warning with the 3-minute sounding. An all-clear will be announced by the horns sounding for 1 minute.

Hila Bross, has been named "Grand Marshall" for the 4th of July parade in St. Johns. She was recently selected for the honor by the St. Johns Bicentennial Committee and other organizations working on parade preparations. Hila will also be celebrating her 65th birthday that day and will also be retiring from her position as librarian at the Bemont Public Library after 11 years of service. She is well known in the area for her numerous club activities and contributions to civic affairs. In her spare time she teaches piano and keeps a busy schedule of events with her husband Dr. Manning Bross. They reside on French Road, in St. Johns.

# Celebrate 71st anniversary in 1976

By Shirley Karber  
Clinton County Bicentennial Coordinator  
Edmond (Ed) and Ethel Trumbull will be celebrating their 71st wedding anniversary

this June 14, and are leading contenders in the Clinton County Bicentennial Committee's search for the "longest married" couple in the County.



This family treasure, shows Ethel and Ed with their daughter Margaret, six weeks old. They had no formal wedding pictures taken, but wore their wedding clothes for this sitting. The wedding gown was made of wool-crepe, the hourglass figure and long natural hair coiffed at the nape of the neck, was the fashion of the day.

"We never were sorry about getting married," Ed said, and petite Ethel agreed, "we got married for life, and I hope we can spend all the rest of our years left together."

The couple were married on N. Mullberry St. (now known as Shiawassee St.) in Owosso, at her parents home, by Rev. J. Alexander Clyde, a Baptist minister.

"It was a small wedding with only about 40 close relatives and friends there," Ethel said. "Ed only had 2 days off from work, so that night we caught the evening train out to Grand Rapids and moved into the downstairs of a house. We arrived about midnight and the next day we went into town and bought groceries and rugs."

"We already had furniture, because I worked as a time-keeper and sent the customers a bill for his goods, at the Estes Furniture Company." The couple are still using this furniture in their dining room and bedrooms. The oak dining table is quarter-sawn and Ed said he doesn't think they can make them that way today.

Ed worked as a printer in Grand Rapids for about a year, then moved to Lansing, then to Three Rivers, before settling on their 80-acre farm where they have resided the past 61 years. It's located at 5693 W. Jason Rd. "I sure got tired of moving," Ethel said. They raised 3 children, Margaret Muns of Novi, Frances Schneider of Wayland, and a son Clarence, who lives next door to his parents. Ed retired from farming in 1946 when his son returned from service.

Ethel never worked out of the home after her marriage, "I used to have a lot of butter customers though. I made and sold homemade butter for many years." She also made bread and canned fruits, vegetables, meat and chicken for her families needs. Her hobby for many years was braiding rugs, and several are scattered throughout the sunny farmhouse.

Ed's hobby was woodworking and his skill with cupboards, toys, tables and other items is evident, but he liked working in "dirt" best. Although the neighbors laughed at them

when they first began their farming career and thought they wouldn't make it because they were so inexperienced, Ed persisted.

"Then the depression came along and that didn't help anything," Ed commented. "We

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Ethel and Edmond Trumbull still enjoy the furniture they purchased over 70 years ago when they were newlyweds. The rocking chair was a special gift from her parents.

## Massive teacher pink-slipping not forecasted for Clinton County

BY PATRICE HORNAK  
NEWS FEATURE WRITER

While school systems around the state pass out "pink slips" or lay off notices by the scores, Clinton County superintendents have reported they do not plan to pink-slip any teachers, though the economic picture looks grim.

So far this year, over 1,200 teachers in Michigan have been "pink-slipped", and final figures are expected to be available after Thursday, April 1.

Clinton superintendents all acknowledged tight budgets but hope that the state legislature will give school budgets enough money to operate next year and lay offs will not be necessary.

Ovid-Elsie superintendent, Donald Kenney, said he has never pink-slipped any employee since he has been with the O-E school system and does not anticipate pink-slipping any employee this year. "There are other ways," said Kenney who went on to say that positions left by retiring

teachers and teachers who will take maternity leaves will probably not be filled.

Fowler superintendent, Roy Ellsworth, said he believes the Fowler school system will be able to operate without having to pink-slip any teachers or asking for an increase in millage but admitted that, "It's going to be a tough year."

Pewamo-Westphalia's superintendent, Roy Thelen, also expressed optimism for next year, despite that school system's forecasted decrease in enrollment. "We

won't pink-slip anybody, but it doesn't look very good," he said.

The St. Johns School Board which was to have met Wednesday evening, March 31, was faced with making a decision about "pink-slipping" its teachers.

According to St. Johns Superintendent Earl Lancaster, the Board had three options: "pink-slip" no probationary teachers, "pink-slip" the 21 first-year teachers, or "pink-slip" all of the probationary 41 teachers.

Lancaster explained that the "pink-slipping" would only be a protection for the school system and added that the system could not operate without the help of 41 teachers who could be "pink-slipped".

James Ritchie, DeWitt superintendent, said he will have to wait and see, but doesn't

anticipate any layoffs "You have to live within the money you have," he said, indicating that if the state legislature decides to cut their funds to the school, the DeWitt school board will be faced with either reducing services, reducing employees, or reducing both.

The state legislature has said it will work out the state school budget by August, but previous indications have pointed to September release of the budget. By this time, most schools will be in session and will have hired most of their staff for the year.

If the estimated school budget allotments are below what the school administrators thought they will have to work with next year, the administrators will be in a difficult situation

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## Farmers' Market in St. Johns

The St. Johns Chamber of Commerce will sponsor an open air Farmers' Market for the first time in St. Johns history beginning Saturday, June 5, from 8 a.m. until noon in the Clinton National Bank and Trust Company parking lot located on the corner of Spring and Higham Streets.

Slated to run every Saturday from June 5 until early October, the Farmers' Market is expected to feature homemade, homegrown or home raised market items such as fresh vegetables, fruits, eggs, poultry, flowers, crafts and baked goods.

The Chamber of Commerce is now welcoming area residents to participate in the Farmers' Market. Application forms may be obtained from the St. Johns Chamber of Commerce office located at 117 1/2 E. Walker St., St. Johns, 48879. Also, guidelines for the Market may be obtained from the Chamber of Commerce office.

In order to have a successful market its first year, the Chamber Farmers' Market Committee has established a few simple rules for the vendors including: -vendor stalls will be given out generally on a first-come, first-serve basis. -only one stall per family will be allowed.

-fresh produce must be of high quality. Fruits and vegetables must be cleaned before they are offered for sale.

-cages containing live poultry and live animals must be kept clean and odor free.

-a market superintendent will be appointed to assist vendors in the market area and to coordinate stall locations, clean up and any other activities that may arise.

There will be no charge to the vendors for using the space at this market to sell their wares, the stall area being approximately the size of a car or truck park space.

Interested persons should note, however, that the farmers' market is for those who wish to sell items homemade, homegrown or home raised. The market will not feature commercial products purchased for re-sale.

Please send me additional information on the St. Johns Farmers' Market.

Name: \_\_\_\_\_  
Address: \_\_\_\_\_  
Phone: \_\_\_\_\_

## Hila Bross is July 4 Grand Marshall

Other plans for the Bicentennial celebration are well underway as the St. Johns Volunteer Fire Department, Rotary Club, and other organizations begin finalizing the various events set for July 2, 3, and 4.

Besides the usual midway and rides, this year plans to include a pony pull, a tractor pull, a free talent show at the band shell, and other goodies.

The parade will be one of the highlights this year and it will take place on Sunday, July 4 at 4 p.m. The entries will line up in front of the Federal Mogul factory and proceed from there up Clinton Ave. At the courthouse a special invocation and flag

ceremony will take place and a reading of the Declaration of Independence. All the bands in the parade will play the Star Spangled Banner in unison.

The floats will then proceed to the park, where a family style picnic and old fashioned ice cream social will be held. Citizens who feel this would be too far to walk, can leave the parade at the courthouse and drive up from there.

The firemen will be having their annual fireworks display at night and the winner of the steer will be announced.

During the weeks ahead numerous events will take place, including a "Signerfest"

being sponsored by the Clinton County Bicentennial Committee. This is a 1976 rededication and family signing of the Declaration of Independence. These will be available in about two weeks at various places of business in the County.

Tree plantings are also planned and many school projects are underway that will have something of interest for everyone. The Civic Fair will be held June 26, at the Clinton National Bank parking lot. Essay winners are being honored as well as contributions to the fields of art.

The oldest married couple, man and woman, and the largest tree will be recognized this year.

## St. Johns Rotary marks 50th year

**ST. JOHNS**—The St. Johns Rotary Club observes their golden anniversary Saturday night with an anniversary banquet at St. Joseph's School in St. Johns.

The Club will honor its charter members,

officers and others who have been active in carrying out Rotary goals in the community.

Charter members to be recognized Saturday night will be Lee A. DeWitt, Clarence D. Ebert, and Glenn W. Osgood.



Hila Bross, grand marshal of the 4th of July celebration in St. Johns takes time out to look over one of the parade entries. This 1917 Republic truck was made in Alma and John Speck with his son Matt, enjoyed looking over the mechanical aspects of the engine, hard rubber tires and also the whistle type horns that Roy Davis, owner, says will be sounding off during the parade. Roy is a member of the Hub Antique Car Club of St. Johns.

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ST. JOHNS

April 2  
thru 8



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**Andy's IGA** Introduces **The 1976 Jet Journey TO THE STARS** Your Favorite Boy and Girl Can **WIN A 4 DAY 3 NIGHT EXPENSE PAID TRIP TO CALIFORNIA!** PARENTS! REGISTER YOUR FAVORITE BOY OR GIRL CANDIDATE NOW

**Andy's announces "dream trip" contest**

DAYTON, OHIO - Hundreds of girls and boys from 10 thru 14 years of age will be taking "dream trips" to sunny California in the exciting "JET JOURNEY TO THE STARS" contest now going on in area IGA stores, according to an announcement today by Rick Anderson, owner of Andy's IGA, St. Johns.

The lucky girls and boys can win all-expense paid trips just by having their friends, neighbors and relatives vote for them each time they visit a participating store. Special ballot boxes have been set up in all supermarkets and customers are being asked to vote for their "favorite" girl or boy. The "dream trip" winners will be those who receive the most votes.

Al Burshtan, Senior Vice President of Marketing and Sales for Super Food Services, Dayton, Ohio, supplier to IGA stores and other independents, said that the winning girls and boys will travel by jet to Los Angeles, California for four full days. Their "dream trip" includes a complete tour of the Marineland of the Pacific, Universal Movie Studios, Knott's Berry Farm, Disneyland, Movieland Wax Museum, as well as many other glamour points.

"Unlike most elections, this is one case where it is quite in order to vote often," said Burshtan. "In fact, we encourage it - friends and neighbors of the boys and girls can vote every time they come in to a participating market. Naturally, many of the winners will be from the Michigan area."

"Through the contest the lucky boys and girls get a wonderful chance to enhance their education and see some of the greatest entertainment the country has to offer," said Anderson, owner of the IGA supermarket in St. Johns. "Just about every girl and boy in the city has a special group of supporters and all they have to do is 'get them to the polls.'" The contest will start April 5. Andy's IGA will send one boy and one girl from the area.



Thomas and Julie Partee of rural St. Johns became \$1000 richer March 23 at Andy's IGA when they were \$1000 winners in Andy's Gamera program. Recent winners of \$100 in the Gamera have been Ann Marie Chapko, Rt. 1, Ashley; Jones Schueller, St. Johns and Walter Ostrowski of St. Johns.

**Derby racers can sign up Saturday**

ST. JOHNS - Clinton County youngsters through the ages of 11-15 years who want to be part of the Clinton County Bicentennial Soapbox Derby Race May 23 should sign up now.

Currently 45 racers are expected and those who have not signed up can do so April 3 at 10 a.m. during the Derby Clinic at Bee's Chevrolet Oldsmobile in St. Johns.

Terry Cornwell, Derby director, announced recently that the national All-American Soapbox Derby in Akron, Ohio is now being sponsored by Novar Electronics.

This is the first year since Chevrolet dropped their sponsorship that the race has had a national sponsor.

The winner of the Clinton County Soapbox Derby will go to Akron to race with entries from throughout the United States, Canada, Germany, Japan and Venezuela.

Also traveling to Akron to cheer on the Clinton County champion will be 15-20 of the local racers whose names will be drawn following the race May 23.

Kicking off the 14th annual Derby will be the Derby Parade down St. Johns' Clinton Avenue at 2:00 p.m. Cornwell said the Soapbox Derby Committee has assembled the largest parade in the history of the race as part of the Derby's salute to the Bicentennial year.

A popular attraction at this year's parade will be the appearance of Ronald McDonald.



Four persons were taken to the hospital following this accident Saturday afternoon at the intersection of US-27 and M-21. Herman H. Carter, Greenville, told police he was turning east onto M-21 from the southbound lane of US-27 and that a northbound vehicle blocked his vision. The Carter vehicle went into the path of another northbound vehicle driven by Harvey R. Thompson, Lansing. Both drivers and 2 passengers in the Carter vehicle received injuries. Carter was cited for failure to yield.

**St. Johns Bicentennial Commission looking for a team of oxen**

A stray team of oxen in your feedlot? How about a buffalo? The St. Johns Bicentennial Commission is looking for these animals for their parade on July Fourth. Why these animals? The Pioneer moved West with oxen and the buffalo led the way. Any such remaining animals are truly relics of the American past.

If there aren't any oxen or buffalo, the Bicentennial Parade will still go on. There are 20 groups already committed to the parade and it is the hope of the commission that many, many more will participate. Groups of marchers to hold flags, singing groups, dancing groups, business men's floats, factory floats, 4-H organizations, neighborhood groups... any group of people who want to say "Happy Birthday America" are welcome in the parade.

If you, your team of oxen or your buffalo want to be in the parade, fill out the coupon below and bring or mail it to:

Bicentennial Commission  
Municipal Building  
St. Johns, Michigan 48879

You are wanted - with or without your buffalo.

NAME \_\_\_\_\_  
ORGANIZATION \_\_\_\_\_  
PARADE ENTRY \_\_\_\_\_  
PERSON TO CONTACT \_\_\_\_\_  
PHONE NUMBER \_\_\_\_\_

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**Grantsmanship**

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Daily Interest on Savings

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St. Johns - Ovid  
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**Teacher pink slips**

(From Front Page)

For the time being, however, they are forced to just "sit back and wait" until the legislature makes their decisions.

The Bath school system is faced with a double "waiting" situation. They have had sewer problems and have to wait for their sewer assessment and also will have to wait for the state aid budget.

In March, one employee was laid off, according to superintendent, James Hixson, who hopes that no further layoffs will have to be made.

According to state law, school districts must give 60 days notice to probationary teachers if their contracts will not be renewed. The 60 days notice qualification forces most school districts to make their decisions by April 15.

If a probationary teacher is not given the

60-day notice that he or she will not have a contract with the school system for the next fall, the teacher must be hired back in the fall, and if the school system has to cut its staff, a tenured teacher would have to be released.

To protect the tenured teachers and to protect the school system from having to make such a cut in staff, many school systems opt to "pink-slip" their probationary teachers.

Already, around the mid-state area, the Charlotte school system has pink-slipped 36 teachers, Howell has pink-slipped 56 teachers and all 46 probationary teachers in the Grand Ledge school system have been laid off.

Head of the 80,000-member Michigan Education Association (MEA), Herman Coleman, said in a recent news briefing that fall.

many school districts are using the massive pink-slipping tactics to scare taxpayers into approving increased millages and to scare teachers from asking school boards for increased wages and benefits.

Coleman said the MEA plans to sue those school districts which have taken part in the massive pink-slipping of teachers and cannot prove that the pink-slipping are justified in terms of declining enrollments and budget cuts.

Coleman also predicted at the news briefing that the state of Michigan can anticipate severe bargaining problems statewide, large-scale teacher strikes and more cuts in state education budgets this fall.

**GOP announces Lincoln Day Dinner**

A husband and wife legislative team will headline the program April 1 when Clinton County Republicans gather for their annual fund-raising Lincoln Day Appreciation Dinner in the gymnasium of St. Joseph School in St. Johns. The dinner begins at 7 p.m.

John M. Engler, representative from the 89th District and Colleen Engler, representative from the 101st District will

be the principal speakers and guests of honor. The couple is the first husband and wife team to ever serve in the Michigan House of Representatives.

Also in attendance that evening will be State Sen. Richard Allen of Ithaca, serving the 30th District; Ernest Nash, 56th District Representative; Stanley Powell, 88th District Representative and Clifford Taylor, candidate for the 6th Congressional District.

Five candidates for Michigan senate seat in Washington will be on hand that night. They are Dean Baker, Thomas Brennan, Lew Engman, Marvin Esch and Robert Huber.

Upwards of 300 GOP members and guests are expected to attend the event which is being chaired by Republican Committee Chairperson Liz Nobis.

**St. Johns Jaycees set Jelly Week**

ST. JOHNS - St. Johns Jaycee Jelly Week will be held April 4-17.

Jaycees will be selling the jars of grape

jelly in the downtown business district on April 9-10.

Mayor Roy Ebert, honorary chairman, has issued a proclamation designating the

week as "Jaycee Jelly Week" in St. Johns. Price of the jelly is \$1 per jar with proceeds going to help handicapped children.

**O.E. school board elects new president: approves fact finder's recommendations**

At a special meeting of the Board of Education held Monday, March 22, Glenn Webster was elected president, following the March 8 resignation of School board president David J. Hill.

Albert J. Pontack was elected to fill the vacancy which was left on the Board after Hill's resignation. His appointment will be made until June 30. The remaining two years of the Hill term will be filled at the annual school election on June 14.

Following the two appointments, the Board convened for an executive session and reconvened the special meeting at 11:16 p.m. to vote on the recommendations of the fact finder.

A fact finder, Barry Brown, was appointed by the Michigan Employment Relations Commission last November to study the differences in contract negotiations between the O-E Board of Education and the O-E Educational Association.

At the reconvened special meeting, the Board voted to accept the O-E Education Association's published offer to retain MESSA Group Insurance at the 1974-75 rates and to accept the balance of the recommendations of the fact finder regarding salary, jury duty, "act of God" days, elementary relief time and sick day accrual.

For further information regarding the recommendations of the fact finder, consult the March 24 issue of the Clinton County News.

**Area happenings**

(From Front Page)

APRIL 6-Expectant parent classes at Clinton Memorial Hospital from 7:30-9:30 p.m., a 12-week course sponsored by the Expectant Parents Organizations. Cost of the course is \$20. For information, call Janet Pine, 224-4373 or Clara Lee at 224-2645.

APRIL 18-American Red Cross Bloodmobile at the K of C Hall in Westphalia, 1-7 p.m.

APR. 7-The Alpha Eta Chapter of Delta Kappa Gamma will meet in the conference room at the Central National Bank at 7 p.m.

APRIL 19-Bloodmobile, sponsored by the Ladies Auxiliary, DeWitt Fire Dept., noon to 6 p.m. at the DeWitt Memorial Building.

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## Announce tour of Clinton County dairy operations



### Retires from Post Office

Carl A. Bair [left] capped 39 years of service to the St. Johns Post Office when he retired last week. He presents his retirement papers to Postmaster Keith Mishler on his official retirement day Friday. He was appointed substitute city carrier April 13, 1937, was made regular city carrier Jan. 1, 1942, and was promoted to rural carrier March 23, 1953. He served St. Johns Rt. 4 for 23 years.

All businessmen like to get an inside look at their competition and farmers are no exception, although they look at their counterparts as friends rather than competitors. Dairymen will have that opportunity next Wednesday on the third annual Clinton County Dairy Tour, April 7. The tour will begin at the Marvin Simon farm at 9:30 a.m. with refreshments provided by the Clinton County Holstein Breeders' Association. The Simon farm is located on Townsend Road between Grange and Hinman Roads. Townsend is the first road south of M-21 and Hinman is two miles west of the traffic light in Fowler. In 1975 the Simon's built a new double 8 herringbone milking parlor and expanded their herd to 90 cows. With the new facilities and expansion, they are finding the dairy operation is taking less time and effort than when it was half this size. The second stop is just around the corner on Hinman Road at the Clare Feldpausch farm where 75 grade holsteins make up a successful operation. At this stop a dry manure storage is featured with the capacity of a year's storage for this size herd. With increasing regulations and restrictions from the Environmental Protection Agency and other governmental bureaus, many people will be interested in the low-cost storage the Feldpausch's have designed and built. The third stop will be at the Jerome Spitzley farm, which features a modest sized dairy operation of 50 cows that led the county in both milk and butterfat production in 1975. Dairymen will be interested in seeing all of the things the Spitzley's do very carefully in stimulating their cows to 18,887 pounds of milk and 726 of butterfat. There are no plans for major expansion here and Spitzley will explain why. A combination of good feeding, breeding and tender loving care have made this a successful operation. The fourth stop, at Berlyn Acres, is in sharp contrast size-wise to the Spitzley farm. Bernard and Marilyn Thelen's operation includes 140 cows that average 16,634 pounds of milk and 595 of butterfat last year. Bernard was named as the outstanding young farmer from Clinton County in 1974 by the Jaycees and was also named one of Michigan's 20 outstanding farmers at M.S.U. farm management banquet that year. This farm features very good management practices on a large scale. Bernard is a member of the Central Michigan Genetic Improvement Association and you will have occasion to see one of their young sires at his farm. It is interesting to note the Thelen's find time for winter vacations and have been organized to permit several distant trips. The final stop will be at the Leo Kowatch and Sons farm north of Fowler. This operation was leading the county production-wise when they stopped testing two years ago. Featured on this stop is a Harvestore Slurry system of manure handling. You will be interested in their observations as to convenience and efficiency in manure handling and the changes they have made in fertilizer purchases since installing the system. Lunch is scheduled at 1 p.m. at Smith Hall, compliments of Production Credit Association and Federal Land Bank. It will be served by the Ladies of St. Joseph parish in St. Johns. Featured speaker for the program following lunch will be Dr. Gordon Guyer, Director of the Michigan Cooperative Extension Service. Dr. Guyer had the opportunity few Americans have had in recent years - that of traveling extensively inside Red China. Dr. Guyer headed an expedition of renowned American entomologists - visiting that country last year and his observations as an entomologist with a strong background in agriculture helped him to see and understand things of special interest to farmers. His slide presentation brings some revealing information on this huge communist country and the people that inhabit it. Charles Bracey of the Clinton County Production Credit Association and Robert Darling of the Federal Land Bank will have remarks for the noon program. As indicated, P.C.A. and the Land Bank will provide lunch, but it will be necessary to make reservations through the Cooperative Extension Service. Harrison - Jeanne Cooper of Ovid has received her Licensed Practical Nursing certificate from Mid-Michigan Community College. She is the daughter of Francis Ferden of Ovid and Mr. and Mrs. Clarence Schultz of St. Johns. She has been named to the Dean's List for all 3 semesters with a 3.72 average.



### Induct Rotary members

Glenn Converse [3d from left] District Rotary governor, inducted 4 new St. Johns Rotary members during their last meeting. To Converse's right are new members Frank Keeleann and Gerald Butts and to his left Robert Whately and Ronald Salsbury. At far right is Henry Burkhardt, president of the St. Johns Rotary Club.

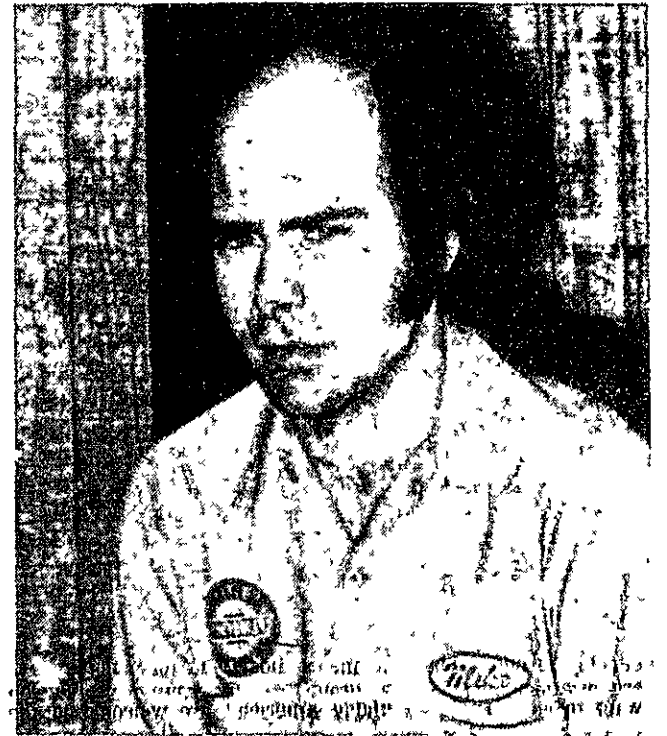
### CNB&T honors employees

The Masonic Lodge in St. Johns was the scene of the seventh annual Clinton National Bank employees' award night last Wednesday (March 24) and upwards of 2 dozen persons were recognized for service to the bank. Top honors of the evening went to 2 individuals and the Laingsburg office of Clinton National. Geraldine Workman, general ledger clerk, was recognized as the bank's outstanding employee and was presented the President's Employee of the Award by President Brandon C. White, Jr. Karlene Snyder, recently promoted as assistant to the manager at the Elsie office, was honored as teller of the year. Honors to the Laingsburg office went to all employees who brought recognition to that office as being the outstanding branch during 1975. In other awards, one-year service pins were presented to Lucille Forrest, Sue Harrah, Bob Lawrence, Harriet McNeilly, Mark Ruehle, Jim Neligan, Joan Smith, Sandra Thompson, Jo Thornton, Diane White, Diane Brown, Mary Ann Cook and Ellen Eggleston. Five year service awards were given to Betty Allen, Dawn Frost, Ray Geller, Roma Hamer, Connie Bartholomew, Leora Bunce, Russell Buskirk, Betty Mankey and Nellie Washburn. Ten year honor winners were Duane Bunce, Virginia Shawnee, Ink White, Jeanette Argersinger and 20 year awards went to Les Jenkins and Paul Schueller.



St. Johns Exchange Club members on the left fix the pancakes to go with the sausage that went with the fried potatoes that went on the plates of those attending the Annual Pancake Supper Saturday night at Smith Hall. Exchange Club members at right clean up after the pancakes that went with the sausage, fried potatoes, coffee, syrup, butter, cream, sugar and ice cream enjoyed by those attending the supper. The \$250 proceeds from the supper go into the Exchange Club youth fund to finance trips for kids to the circus, a Christmas party for underprivileged children, YMCA camp, send boys to Boys State and sponsoring the 4-H gardening contest.

### ONE OF BEE'S TEAM



MIKE RASDALE

Mike Rasdale is one of the fellows out at Bee's Chevrolet-Oldsmobile that doctors your car when it's sick . . . and he comes with impressive credentials, too. A graduate of Ferris State College in 1972, he majored in fields of Auto Machine and Auto Service.

An employee at Bee's for the past four years, Mike was formerly employed at Remus Independent Oil in Remus, Michigan prior to his coming to Bee's. He resides at Sandalwood Estates with his wife Barbara and daughter Sunshine Rae, age 9 months.

Mike graduated from St. Johns High School in 1969 where he played four years for the Redwings on the football team.

Specializing in all areas of mechanics at Bee's, he currently teaches General Auto Mechanics at Lansing Community College two nights a week.

When he isn't busy at Bee's and he has time off from his college teaching career, he somehow finds time to do a little hunting, fishing and snowmobiling.

PAID COMMERCIAL ADVERTISING  
Eighth in a series

### E. James Green heads St. Joe's fund drive

LANSING - E. James Greene has been appointed chairperson of the Catholic Diocese of Lansing's annual fund drive for St. Joseph's parish in St. Johns. The Diocesan Services Appeal (DSA) finances 28 projects and services in the 10 county area including social services, programs for seniors, high school scholarships, non-school educational projects, and ministry to those in hospitals. Last year the appeal in 90 parishes and missions of the Diocese raised \$600,000.00. This year the goal has been set for \$700,000.00. The Diocese of Lansing is composed of the 10 counties of Clinton, Eaton, Genesee, Hillsdale, Ingham, Jackson, Lenawee, Livingston, Shiawassee and Washtenaw.

### Receives LPN certificate

HARRISON - Jeanne Cooper of Ovid has received her Licensed Practical Nursing certificate from Mid-Michigan Community College. She is the daughter of Francis Ferden of Ovid and Mr. and Mrs. Clarence Schultz of St. Johns. She has been named to the Dean's List for all 3 semesters with a 3.72 average.

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Okemos 2115 Hamilton Rd.  
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YOU BUY the Points . . . .

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PHONE 224-2345 SOUTH US-27 ST. JOHNS

Clinton County News

Family and Society

Blue Star Mothers to sell Blue Stars

All officers of the Blue Star Mothers Chapter 88 reported present at their March 24 meeting. There were 14 present and one visitor.

A chairman was named for a program for the 32nd Anniversary potluck supper on April 27. Four charter members are active members, Nora Helbeck, Bernice Steavens, Mable Maier and Rose Wilkie.

Veterans Facility. Twenty lap robes are completed. The President was instructed to place a chapter report in the State Year Book for 1976.

The meeting was opened in regular form with President Edna Eldred presiding. Secretary Alma Boak read a letter from the City Commission granting the chapter permission to sell their Blue Stars on the streets on April 30 and May 1.

Ashley United Methodists announce Lenten services

Special Lenten Services at the Ashley United Methodist Church are scheduled for Friday, Saturday and Sunday evenings, April 2, 3, and 4 at 7:30 and also Sunday at 11 a.m.

Singers of Chesaning Friday night; "The Ambassadors" of Ithaca Saturday night; The Bannister Choir for Sunday morning and Sunday evening there will be singing by "Lindy" Wright of Perrinton and Lois Strack of Alma, accompanied by Lucille Dougherty.

Guest speaker for the series will be Rev. Joseph Dudley, of Mt. Pleasant, a former pastor of the Ashley and Bannister Churches. His sermon titles will be: "The Wind and the Spirit"; "Frustration and the Future"; "Worship and Life"; and "Life in God's Hands".

Coffee will be served during a time of fellowship after each meeting. Rev. Emmett Kaddwell, pastor of the church, is in charge of arrangements.

Special musical groups have been secured for each meeting as follows: "The Trinity

These meetings are sure to prove an inspiration and spiritual blessing for all who attend. The public is invited.

Morning Musicales hears music by Foster

"Music by Stephen Collins Foster" was the subject of a delightful program presented by the Lansing Matinee Musicales Choral Ensemble to members of the St. Johns Morning Musicales at a joint meeting of the two clubs on

Thursday March 25th at St. Johns Methodist Church.

Both clubs are affiliated with the National Federation of Music Clubs.

The program included a wide variety of selections from Foster's music. A waltz, played

by Ellen Potash, flutist, and Carol Broughton, pianist, a polka played as a piano duet by Mrs. Broughton and Marie Hiff and danced by Virginia Kindlund and Shirley Goodrich, were interspersed with many numbers sung by the Ensemble or by soloists. The more familiar songs were sung by the whole group. One song, called "The White House Chair," which was written by Stephen Foster for James Buchanan's presidential campaign, was sung by the ensemble as they marched around the room waving small American flags.

Following the program, the group had an opportunity to visit and enjoy refreshments served by Sybil Werbish and her committee.

Child Study Club meets

The St. Johns Child Study Club met at the home of Mrs. Kathy Cain March 17. The program for the evening was presented by Robert Sarine from Osgood Funeral Home.

He spoke to the group about dealing with death and dying, particularly in relation to children and their need for explanation when death occurs. The evening was concluded with dessert and beverage.



ZAMARRON-RAY

Mr. and Mrs. Ralph E. Zamarron of 7782 Welling Rd., Eureka, wish to announce the engagement of their daughter, Kathy Rae, to Jeffrey Paul Ray, son of Mr. and Mrs. Jerry Ray of Okemos.

The bride-elect is a 1974 graduate of St. Johns High School and is employed by Knapp's. The prospective bridegroom is a student at Alma College. A June 5, wedding is planned.

Engagements

Smith-Shane

Mr. and Mrs. Howard A. Smith of Okemos Rd., Portland, wish to announce the engagement of their daughter, Laura Marie, to James Scott Shane, son of Dr. and Mrs. Harold D. Shane of 303 E. Sturgis St., St. Johns.

The bride-elect is a graduate of Portland High School and attended Central Michigan University and Lansing Business College. She is presently employed by Michigan State University. The prospective bridegroom is a graduate of St. Johns High School and is now attending Lansing Community College. A June 12, 1976, wedding is being planned.



Rogers-Kaver

Mr. and Mrs. Fred Rogers of 509 W. Baldwin St., St. Johns, wish to announce the engagement of their daughter, Monica, to Michael Klaver, son of Mr. and Mrs. Harold Klaver of 787 W. Round Lake Rd., DeWitt.

The bride-elect is a 1974 graduate of St. Johns High School and is employed by Michigan State University.

The prospective bridegroom is a 1974 graduate of DeWitt High School and is employed by the Grand Ledge Produce Company. An Oct. 23 wedding date has been set.



Rewerts-Zeigler

Mr. and Mrs. Norman Rewerts of 200 E. Buchanan St., St. Johns, wish to announce the engagement of their daughter, Marcia Lea, to Rusty Lynn Zeigler, son of Mr. and Mrs. Neil Zeigler of 9400 E. Parks Rd., Ovid.

Marcia is a senior at St. Johns high school and will graduate in June. The prospective bridegroom is a graduate of Ovid-Elsie High School and is employed by Midwest of Owosso. A November wedding is being planned.

Candice Mishler engaged

Mr. and Mrs. Keith Mishler of 102 E. Cass St., St. Johns, wish to announce the engagement of their daughter, Candice Elaine Mishler to Thomas Victor Mikko, son of Mr. Victor Mikko and the late Mrs. Mikko of Lansing.

The bride-elect is a graduate of Rodney B. Wilson High School and Patricia Stevens School in Milwaukee. She is presently employed by University Oldsmobile in Lansing.

The prospective bridegroom is a graduate of Lansing Sexton High School, was discharged from the U.S. Seabees in 1965, and is presently employed by Delta Township. A May 22, 1976, wedding is being planned.

BIRTHS

A boy, Aaron James, was born to Mr. and Mrs. Bryan Sievert of Springfield, Virg. March 15, 1976 at Fairfax-Virginia Hospital. He weighed 9 lbs. 8 ozs. The baby has 1 brother. Grandparents are Mr. and Mrs. Gordon Mahar of St. Johns, Mr. and Mrs. Reo Sievert. The mother is the former Pamela Mahar.

A boy, Cory Michael, was born to Mr. and Mrs. Joseph D. Ondrusek of 1951 S. Kreppe Rd., St. Johns, March 21, 1976 at Carson City Hospital. He weighed 8 lbs. 15 oz. The baby has 1 sister. Grandparents are Mr. and Mrs. Joseph L. Ondrusek and Mr. and Mrs. Frank Niznak. The mother is the former Vicki Niznak.

A girl, Amy Michele, was born to Mr. and Mrs. Harold M. Gross of 915 N. Oakland, St. Johns, March 21, 1976 at Clinton Memorial Hospital. She weighed 8 lbs. 14 ozs. The baby has 2 brothers. Grandparents are Mr. and Mrs. Eddie Zeneberg of Mt. Pleasant and Mr. and Mrs. Ernest Gross of Weldman. The mother is the former Karol Zeneberg.

Central National Bank advertisement with logo and contact information.

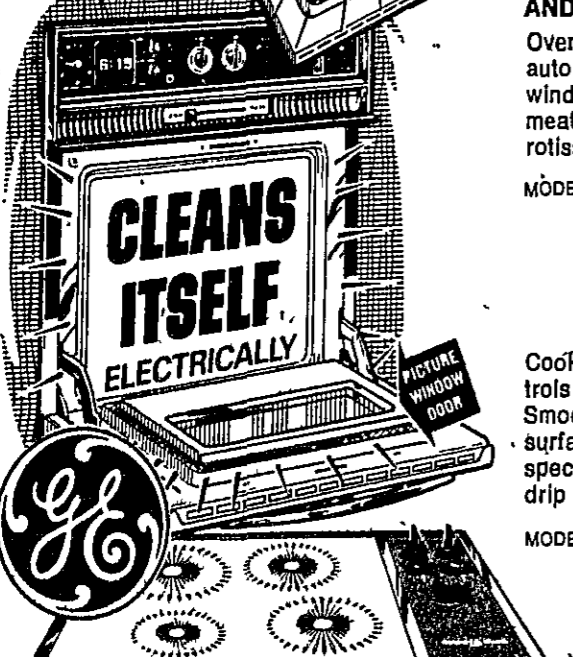
General Electric advertisement for a \$50 U.S. Savings Bond, featuring a 'Share In America' logo and 'A Gift for You...' slogan.

WITH THE PURCHASE OF A GE P-7 SELF-CLEANING OVEN OR BUILT-IN OVEN/COOKTOP COMBINATION. That's right! From March 29 thru May 30, 1976 only, General Electric will send you a \$50 Savings Bond when you buy an eligible P-7 oven range or built-in oven/cooktop combination. Come in and see them today!



SELF-CLEANING 30" OVEN RANGE • 3-in-1 Power Saver switch lets you save energy by selecting the correct heat pattern on the special Calrod® surface unit to suit the size of the utensil—4", 6", or 8" • Automatic oven timer, digital clock, minute timer • Window door MODEL JB500

\$438.00 W/T



BUILT-IN 27" WALL OVEN AND CLEANLINE™ COOKTOP Oven features: • Digital clock and automatic oven timer • Picture window door panel • Electronic meat thermometer • Automatic rotisserie MODEL JRP16

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Cooktop features: • Infinite controls for precise heat selection • Smooth durable glass-ceramic surface wipes clean easily • No special cookware needed • No drip pans or trim rings to clean MODEL JP882

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Large advertisement for Parri's Rexall Drugs featuring various household and personal care products with prices and descriptions.

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St. Johns Fowler Maple Rapids

# Robin Casey Wolf weds Stephen Davis

Robin Casey Wolf and Stephen Joseph Davis were united in marriage before Rev. Gordon McKenzie, March 27, at 6:30 p.m. at the First Congregational Church of Laingsburg.

The bride is the daughter of Paul and Shirley Wolf of 7141 Cutler Rd., Bath and the groom is the son of Ron and Sandy Davis of 9869 M-78, Haslett.

Yellow roses and peach carnations decorated the altar and Mrs. Cribbs provided the nuptial music.

appliques bordered the hem; wide ruffle hem gently eased into the chapel-length train. Ruffles formed for a most distinctive apron back as they swept upward from the hemline to the backwaist.

The bride's three-quarter length veil was of one tier illusion net with scattered Venice lace appliques. The veil was edged in matching lace and matching lace was also seen on the hand-style frame.

For her bouquet, the bride chose yellow roses and peach carnations with interspersed baby blue bachelor buttons.

Attending the bride were Patricia Decker, Kathy Geiger and Sue McMellan, all of Bath. The attendants wore mint green double knit V-neck empire waisted gowns with lace sleeves. Coordinated green large brimmed hats with small yellow embroidered flowers set off the attendants' attire, complimented by yellow rose

and peach carnation bouquets.

For her daughter's wedding, Mrs. Wolf chose a mint green, empire-waisted gown with angel sleeves and a sparkle pin in the center. The groom's mother wore a navy blue empire waisted gown.

The groom's attendants were Chuck Davis, Don Davis and Ray Tarbell. Ushers were Bud McMellan and Mike Siebert.

Following the wedding, a reception was held at the American Legion Hall in Laingsburg. Linda Davis, Therese Davis, Mary Davis and Cathy Davis helped serve at the reception, which approximately 200 guests attended. Honored guests were Maude Couletus, great grandmother and Nellie Kindy, grandmother of the young newlywed.



MRS. STEPHEN DAVIS

# Auxiliary members honored

The members of the Clinton Memorial Hospital Auxiliary board were guests of the hospital board at a 7:30 luncheon on March 17.

A letter was read in which the board members expressed their appreciation for the many services rendered and the financial aid given by the Auxiliary members. This assistance has helped greatly in purchasing equipment and aiding the hospital personnel in their work.

The business meeting was conducted by Mrs. Anthes, chairman. Forty-five members and five honorary members were present.

The annual card party and style fashion show will be held May 5 at the high school. The tickets will be \$1.50 and include one year's membership to the auxiliary. Tickets will be available at Simon Real Estate, from any auxiliary member, or at the door.

April 24 has been chosen as the date for the theater party at Detroit. The Fisher Theater presents the play "Same Time Next Year". The tickets are \$18 each.

The members voted to have a booth at the Bicentennial celebration in July. They will display antique medical equipment. They will also sponsor an old fashioned "Cake Walk."

The Candy Strippers and their mothers will be honored at the April 21 meeting.

# Births

A boy, Benson Robert, was born to Mr. and Mrs. Wayne E. Cox of 609 N. Morton Ave., Lot 101, St. Johns, March 22, 1976 at Clinton Memorial Hospital. He weighed 6 lbs. 1 oz., 18 inches long. The baby has 1 brother. Grandparents are Mr. and Mrs. Jetea R. Kuner and Mr. and Mrs. Edwin Cox. The mother is the former Michelle L. Kuner.

A boy, Ellery Glendon, was born to Mr. and Mrs. Ronald Sosebee of 8106 N. Welling Rd. March 22 at Clinton Memorial Hospital. He weighed 8 lbs. 13 1/4 ozs. The baby has one brother. Grandparents are Mr. and Mrs. Robert Woodman and Mr. and Mrs. Roy Sosebee. The mother is the former Pam Woodman.

A girl, Jacquelyn Kae, was born to Mr. and Mrs. Thomas Bullard of 4108 W. Townsend Rd., St. Johns March 15, 1976 at Owosso Memorial Hospital. She weighed 8 lbs. 4 1/4 ozs. The baby has one sister. Grandparents are Mr. and Mrs. Thomas Wyble and Mr. and Mrs. Raymond Bullard. The mother is the former Gail Schaffly.

A boy, Justin Theodore, was born to Mr. and Mrs. Richard E. Martzke of 1120 Seymour, Grand Ledge on March 23 at Sparrow Hospital. The mother is the former Christina Clark.



# Five generations

Five generations of the Howard family are represented in this photograph showing (front, left) Mrs. Edna Howard, great, great grandmother, of Houghton Lake and former St. Johns resident; great grandfather LaVern Howard of Houghton Lake and former St. Johns resident; grandmother (standing, right) Mrs. Gwen Hoshield of Elsie; mother, Mrs. Darlene Darling of Elsie and her daughter Diana.

# Pouch home site of DAR meet

River Wabwaysin Chapter Daughters of the American Revolution met at the home of Mrs. Leo K. Pouch and Miss Shirley Pouch for their monthly meeting.

The Regent Miss Maralyse Brooks conducted the business meeting. Devotions were given by the chaplain, Mrs. Dale Calder. The President General's message was read by Mrs. John Rumbaugh. The National Defense reading was given by the chairman Miss

Shirley Pouch on "Spanish Sahara Holds 'White Gold'" reprinted from the Chicago Tribune in the DAR National Defender.

Four members of the chapter will be attending the State DAR Awards Day meeting on April 1 at the Olds Plaza in Lansing. They are Mrs. Donald B. Couzens, Mrs. John F. Caudy, Mrs. Dale F. Calder and Miss Maralyse L. Brooks.

The program was given by

This Week:  
Sea Food Platter Dinner \$4.95 With Salad Bar

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**NOTICE**  
**CITY OF ST. JOHNS**  
**ZONING BOARD OF APPEALS**

APRIL 14, 1976

To be held in the city commission chambers at 121 E. Walker Street at 7:30 p.m.

**PURPOSE:** To hear a request from Fedewa Builders Inc. for a variance of the zoning ordinance on the property at 509 W. Gibbs Street. The zoning ordinance requires 75 foot frontage.

**PROPERTY ADDRESS:** 509 W. Gibbs St.

**TAX ROLL NO.:** 1351-00

Richard L. Coletta  
Zoning Administrator

Watch for  
Our Special  
Day This  
Friday, April 2, 1976  
ALL DAY 9 A.M. to 9 P.M.

WE WILL HAVE A MANUFACTURER'S REPRESENTATIVE IN OUR STORE TO ASSIST YOU IN IDEAS FOR REMOUNTING OLD DIAMOND JEWELRY AND SELECTING NEW GIFTS OF DIAMONDS AND OTHER PRECIOUS STONES.

A Good Day To Plan Your Coming Events

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Downtown, St. Johns

Mrs. Harold Millman on "The White House Gardens" a History and Pictorial Record published by Great American Editions Ltd., New York.

# Maier-Pentecost

Mr. and Mrs. Daale Maier, 210 West Lincoln, St. Johns, announce the engagement of their daughter, Denise Lynne, to Thomas Pentecost of Flint. He is the son of Mr. and Mrs. William Pentecost of Framingham, Mass.

The bride-elect is a 1973 graduate of St. Johns High School and is currently a student in the Michigan State University School of Nursing. The prospective groom was graduated from Western Michigan University in 1975 with a degree in Aviation Technology. He is currently employed with Aircraft Mechanics Service, Bishop Airport, Flint.

An August 28 wedding is planned.

# Health Clinic offered in Bath Twp

The first public health clinic offered at the Lakeside Chapel in Bath Township was termed a success by Mrs. June Burnett, Bath Township Clerk.

The clinic, conducted by the Mid-Michigan District Health Department on Thursday, March 18, will be offered on a monthly basis from 9 a.m. until 11 a.m. on every third Thursday of each month.

The Lakeside Chapel is located one mile south of Clark Road on Webster Road. The clinic offers several child and adult immunizations such as: diphtheria, pertussis, tetanus; diphtheria, tetanus; oral polio; measles, mumps, and tuberculosis in skin tests.

There will be no charge for immunization; however there will be a \$2 charge for T.B. tests for work certification.

In April, the Clinton County Unit of the American Cancer Society will join the clinic with health education concerning cancer in adults and children.

Other services are being considered for addition to the clinic as the demand becomes apparent and the resources become available.

The Clinic is an effort to make preventive services more convenient to residents in the southeast portion of Clinton County. All county residents are encouraged to attend to receive services or just to see how the clinic operates.

# NOTICE CITY OF ST. JOHNS ZONING BOARD OF APPEALS

APRIL 14, 1976

To be held in the city commission chambers at 121 E. Walker Street at 7:30 p.m.

**PURPOSE:** To hear a request from Alvin R. Dickens for a variance of the zoning ordinance on his property at 1101 S. Lansing Street. The variance request is to build a single family residence on a 66 foot wide lot. The zoning ordinance requires a 75 foot wide lot.

**PROPERTY ADDRESS:** 1101 S. Lansing Street  
**TAX ROLL NO.:** 0935-00  
Richard L. Coletta  
Zoning Administrator

# SCHOOL LUNCH MENU

St. Johns Elementary School Menu	
Week of March 29-April 2	
MONDAY	Sliced Turkey Whipped Potatoes Carrot Cubes Enriched Bread Fortified Margarine Milk Cookie
TUESDAY	Hot Dog Tater Barrels Garden Vegetables Hot Dog Bun Mustard Milk Cookie
WEDNESDAY	Meatloaf with tomato sauce
THURSDAY	Whipped Potatoes Carrot 'n Green Beans Enriched Bread Fortified Margarine Milk Cookie
FRIDAY	Toasted Cheese Sandwich Orange Juice Freeze Fresh Fruit Milk



# Celebrate golden anniversary

An open house has been slated for April 4 from 2 p.m. until 5 p.m. at the Fulton High School student commons in Middleton in honor of Mr. and Mrs. Harry Vaughn Sr.'s 50th wedding anniversary.

# North Bengal News

This neighborhood was saddened by the untimely death of Ronald F. Schneider, 38, of Bengal Center, who passed away at a Lansing Hospital on Saturday, March 20 after a short illness. He was born and raised in this vicinity and was the son of the late Louis Schneider and Mrs. Ludwina Schneider, who now resides in Fowler. Funeral services were held at Holy Trinity Catholic

Church at Fowler on Tuesday, March 23 with burial in Holy Trinity Cemetery. Sympathy is extended to his survivors.

On Sunday, March 14, Mr. and Mrs. Robert Beckhorn and Mr. and Mrs. Larry Murawa of Ionia, Mr. and Mrs. Edwin Mohnke of South Bengal, Mrs. William Ernst and Maxine Ernst were dinner and supper guests of Mrs. Iva Schaefer and Mark Schaefer of Lansing.

Mr. and Mrs. Edwin Tiedt were among the guests who attended a dinner and card party at the home of Mr. and Mrs. Fred H. Tiedt of Fowler on Saturday evening, March 20.

Mr. and Mrs. William S. Ernst of Battle Creek ate lunch Saturday, March 20 with Mrs. William Ernst and Maxine Ernst. Sunday evening, March 21 callers in the Ernst home were Mr. and Mrs. Edward Ernst and Mrs. Lily Boak of St. Johns.

Mr. and Mrs. Fred Sehke of Fowler spent Friday evening, March 19 with Mr. and Mrs. Fred W. Pasch.

Mrs. Ida Schrader, who lives with her son-in-law and daughter, Mr. and Mrs. Rudolph Tiedt, is a medical patient in the Clinton Memorial Hospital at this writing.

Mrs. Louis Moritz and Maxine Ernst were among a group of ladies from St. Paul Lutheran Church at Ionia on Wednesday, March 24.

# Marriage licenses

Keith Martin Thelen, 24, R.2 S. Wacousta Rd., St. Johns; Kathleen Sue Netley, 23, 9934 SE County Line Rd., St. Louis. David Craig Maybee, 23, 9430 East M-21, Ovid; Myrtle Lee Robison, 23, 9430 East M-21, Ovid.

Douglas Mark Barker, 24, 307 South Mead St., St. Johns; Mary Jo Bela, 22, 2033 Emerald, Grand Rapids.

# Births

A boy, Kenneth William, was born to Mr. and Mrs. Kenneth L. Bentley of 719 N. Ottawa, St. Johns, March 8, 1976 at Carson City Hospital. He weighed 7 lbs. 11 ozs. Grandparents are Mr. and Mrs. Kenneth Bentley of DeWitt and Mr. and Mrs. L.D. Shea of Onaway. The mother is the former Cathy Martin.

In answer to your question . . .

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**CENTRAL NATIONAL BANK**

St. Johns - Ovid  
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BEAUTIFUL BATISTE... So Fresh and Lovely!

So Soft and Luxurious, and wonderfully wifless... perfect for spring and summer dressing! With the prettiest scalloped edge eyelet embroidery you've ever seen. In a smooth, carefree blend of polyester and cotton batiste. Choose yours in luscious shades of Pink, Blue, Mauve, Mint.

Shift Gown (S-M-L) - \$4.98  
Coat (S-M-L) - \$6.98  
Mini Gown & Bikini (P-S-M-L) - \$5.98

BEAUTIFUL BATISTE... So Soft and Luxurious, and wonderfully wifless... perfect for spring and summer dressing! With the prettiest scalloped edge eyelet embroidery you've ever seen. In a smooth, carefree blend of polyester and cotton batiste. Choose yours in luscious shades of Pink, Blue, Mauve, Mint.

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ST. JOHNS - OSWOSHO - DURAND - IONIA  
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One of three Kentucky forts besieged by Indians from the Northwest in 1777 was this one which has been restored at Harrodsburg. It was here that George Rogers Clark directed defense of the frontier throughout the summer until relief came from the East in September.

### Settlement forts were in state of seige during 1777

It was 1777 — a time that frontiersmen called the Bloody Sevens or the Year of the Blood — and most Kentuckians found themselves penned up in three frontier forts where they had taken refuge from bands of Indians that had descended upon them from the Northwest. Early that year more than 200 braves came across the Ohio River, intent upon wiping out the settlements at Boonesborough, Harrodsburg and Logan's Station.

was begun, providing a larger militia than had been available under the previous volunteer system. The new program required every man, whether or not he was a permanent Kentucky resident, to serve for a specified time with one of the militia units.



The Story of the Revolutionary War in the Old Northwest By Gordon G. Beld

In charge of the defenders was Major Rogers Clark, key figure on the rebel side in the struggle for control of the Northwest during the revolution. Captains under Clark included such Indian fighters as Daniel Boone, James Harrod, Benjamin Logan and John Todd, Jr.

The fort at Boonesborough, which differed little from those at Harrodsburg and Logan's Station, was in the shape of a parallelogram 250 feet long by 125 feet wide. At each of the four corners were two-story blockhouses. The sides of the fortification were comprised in part by vertically placed palisades and partly by the outer walls of cabins. Portions of the corner blockhouses extended beyond the sides of the fort, enabling defenders to see and shoot attackers at any point along the walls.

**THE THREE STRONG HOLDS** afforded settlers a sanctuary from the Indians who stormed out of the North and across the Ohio in 1777. In anticipation of these assaults, further defensive preparations were undertaken in late 1776 and early 1777. A program of compulsory military service

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4 Captain's chairs with moveable arm rests	Burns Regular Gasoline
Color keyed carpeting	Small V8
Dinette seats in rear convert to double bed	Automatic transmission
Dinette/Game table which can be positioned in front or rear	Power steering
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## EGAN FORD SALES, INC.

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## Back Through the Years

From the Clinton County News Files of 1936, 1946, 1956, & 1966

### 40 YEARS AGO

**Apr. 2, 1936**  
Honored and revered throughout the whole community, a true gentleman and soldier of the old school, Francis W. Redfern, 93, last survivor of the Billy Begole G.A.R. post of Maple Rapids, and one of the very few Civil War veterans in Clinton County, died at his home in St. Johns early Tuesday morning March 31, 1936. He had enjoyed good health almost all his life and his last illness was of short duration. Had he lived till July he would have been 94 years old and last September he and Mrs. Redfern celebrated their 69th wedding anniversary.

### 20 YEARS AGO

**March 29, 1956**  
Pickets appeared this morning at three milk receiving plants in Clinton County but no violence had occurred up to press time and deliveries were reported as normal. About 30 men carrying Fair Share signs began picketing the Detroit Creamery company plant in Ovid and another 10 began picket line duty at the Ira Wilson Dairy station in the same village.

Clinton County folks awoke this morning, rubbed their eyes and found that spring had vanished under three inches of clean new snow that continues to fall — and fall. It was one of Nature's little jokes that began on the afternoon of All Fools Day, but April Fool is past, as the youngsters say, and the joke is still on us.

A \$300 across-the-board increase in teachers' salaries was approved this week by the St. Johns Board of Education. The increase will qualify the local schools to continue receiving special assistance equal to \$9 per student.

### 30 YEARS AGO

**Apr. 4, 1946**  
A 17-year-old girl and her three-year old sister were burned to death and their father was seriously burned in a futile attempt to save them when fire destroyed their small home at 3920 Jerry Road, in DeWitt Township shortly after 3 a.m. Monday. Those fatally burned were Madelyn Robinson, 17, and Carole Jean Robinson, 3, daughters of Ola Robinson, 52, who was taken to Edward W. Sparrow Hospital in Lansing with first, second, and third degree burns about the head and neck. Hospital attaches described his condition as fair.

The Regional Red Cross Bloodmobile returned to Lansing last Thursday evening with 80 pints of blood donated by residents of the Fowler and Westphalia areas, 40 pints being collected in each community.

Four \$2,000 college scholarships will be provided by the Rodney B. Wilson Scholarship Foundation for two boys and two girls graduating from St. Johns this June. Announcement of the amount of money available for 1966 scholarships was made by the trustees of the foundation at their organizational meeting last week. The scholarships are grants from a trust created by the wills of the late Arthur E. and Norena Wilson of St. Johns.

**CLARK WAS** at Harrodsburg most of the year, and entries in his diary during June reflect the suffering experienced by Kentuckians that summer. On the fifth he wrote, "Glen & Laird arrived from Cumberland. Daniel Lyons, who parted with them on Green River, we suppose was killed going into Logan's Fort. John Peters & Elisha Bathy we expect were killed coming home from Cumberland."

Four \$2,000 college scholarships will be provided by the Rodney B. Wilson Scholarship Foundation for two boys and two girls graduating from St. Johns this June. Announcement of the amount of money available for 1966 scholarships was made by the trustees of the foundation at their organizational meeting last week. The scholarships are grants from a trust created by the wills of the late Arthur E. and Norena Wilson of St. Johns.

## LETTER TO THE EDITOR

### Explains land use planning act

During the past several weeks, extensive publicity and editorial comment has been devoted to the Substitute for H. B. 4234, the State Land Use Planning Act. Unfortunately, most of the publicity and comment ignores the actual content of the bill, and focuses upon unfounded fears and unsupported claims of opponents of this bill.

1. Proposed utility construction projects.
2. Construction, reconstruction, or expansion projects undertaken by a State agency.
3. Any project undertaken by a local government or public corporation which is financially assisted by a federal or state grant or loan.

At the outset, let me point out that I have consistently welcomed constructive comment on this as well as earlier versions of the bill. Numerous revisions have been made over the past four years and 23 public hearings have been held, including six in the Upper Peninsula. The inflammatory rhetoric being bandied about by Senator Mack among others, however, does little to shed light upon either the land use problems in this State or the solutions.

The Land Use Commission is not authorized to regulate private activity in any case. Anyone who claims otherwise either has not read the bill or intentionally wishes to mislead the public.

In an effort to provide an understanding of what the bill actually provides, let me make the following points:  
First of all, the regulatory powers of the Land Use Commission are limited and do not extend to private actions on private lands. This remains the responsibility of local governments. Thus, the claim that the Land Use Commission will have sweeping powers over all land in the State is simply untrue. The Land Use Commission is authorized to designate or identify essential land areas as defined in the bill. It is further authorized to regulate the following types of projects and activities if they involve designated essential land areas:

I realize that there are those who will be opposed to the concept of land use planning at the state or local level regardless of what's written in any bill. If they are opposed in principle, let them argue the philosophy of the issue, not falsify the language of my bill. If they are opposed to specific provisions, let them offer amendments, and they will be debated. After more than four years of public input, revision, hearings, and more revisions, it is now time to act!  
Thank you for the opportunity to be heard.  
Very truly yours,  
Philip Mastin  
State Representative

## A PERSONAL LOOK AT THE NEWS

# Between the lines

with Jim Edwards



... **THREE IN A BOAT**—President Ford, the Pope and Mayor Richard Daley were aboard a ship about to sink. There was only one spot left in the lifeboat. The president said he was leader of the free world which would be threatened if anything happened to him.  
The Pope said he was head of the world's largest religious movement, which would suffer without his leadership.  
Mayor Daley finally stepped in and suggested that, in the spirit of true democracy, a secret ballot election be held among the threesome. The other 2 agreed.  
Mayor Daley merged the winner 7-2.

physical therapist for Clinton Memorial Hospital, called an Owosso restaurant recently to make dinner reservations for several people. He told the manager that he was Peter Apostol and wanted reservations for several people. This manager said, "I suppose you're going to tell me there are 12 of you." He was right.

... **WANT TO BE IN A PARADE?**—Invitations entrants in the Clinton County Soapbox Derby Parade May 23 have been mailed, but it's almost impossible to contact every organization in the area. If your organization would like to be in the parade, call Bob Green 224-3706, Dorothy Cornell, 224-3106, or Diane Edwards, 224-2545 after 5 p.m.

... **TRUE TO THE BLUE**—Maurice and Diantha Witteveen, 305 E. Walker in St. Johns were cheering the Michigan Wolverine cagers from afar Monday. In honor of the Wolverines taking on Indiana for the national championship, the Witteveen's University of Michigan flag flew all day.

... **A PLACE FOR EVERYTHING**—A recent publication contains the following comment from Senator Frank Church. When asked how a memo recently released could still exist when it was clearly marked "Do Not File," he answered, "I can only assume that a 'Do Not File' document is filed in a 'Do Not File' file."

... **PREDICTION**—Although the game is over by the time you read this, this prediction was made Monday morning. Michigan will beat Indiana. If Type-setters change above to read Indiana will beat Michigan I'm wrong, give me credit for not changing it Tuesday morning. If I'm right, you'll never really know whether or not I did change it.

... **THE LAST SUPPER?**—Peter Apostol, a

... **ITSURE DAMPENS THE SPRING SPIRIT**—How are you supposed to get excited about spring when it's 70% chance of rain Monday, 90% Monday night and 60% the next day. Bah.

### Sen. Richard Allen

## Report from the Senate

Mayday! Mayday! Or whatever it is you shout over a citizen's band radio when you need help.  
A couple of weeks ago I attempted to be a little humorous and serious at the same time. My weekly article used an invented CB conversation to suggest there may be some serious problem involved if we give State troopers the right to bargain. The following letter is typical of the reaction I received.

teamsters. Troopers were particularly incensed by what they viewed as a serious slap at their professionalism.  
IN RETROSPECT I must admit I have no evidence the teamsters intend to organize the troopers or that troopers would accept such affiliation. Beyond that it is certainly possible such a relationship could exist without any favoritism being shown by troopers to truckers. My insinuation that Smokey the Bear would serve as a convoy's front door was especially galling.

**DEAR SIR:**  
Break-Break. This is Big Mill coming at ya from Owosotown.

Actually I must admit to some prejudice against collective bargaining by public employees. Probably this attitude caused me to allow my imagination some extra latitude.

## Complete General Telephone training

Two General Telephone Company employees from the Eastern area, Owosso division recently attended company training schools in Muskegon, according to Norm Krevinus, the division manager for the utility.  
The two from the St. Johns area, are: Lorraine Albrecht and Frances Martin. Mrs. Albrecht, a business accounts representative, completed a 5-day course to provide the student with a working knowledge of "special services" such as Wide Area Telephone Service (WATS), foreign exchange, mobile and data services. Mrs. Martin, a service clerk, completed a 5-day course to prepare her to efficiently handle customer reports of phone service problems.

Insulting State Troopers and teamsters is serious enough. Beyond the ordinary problem of re-election I have to run those roads with these guys! But even worse my article apparently insulted the CBers everywhere!

## How about performing in Washington, D.C.?

How about performing in Washington, D.C.?  
Our nation's Capital will be honoring the State of Michigan on May 5th as part of its Bicentennial Celebration. To assist in the festivities, Congressman Al Cederberg (R-Midland) is seeking performing groups from the 10th Congressional District.  
Cederberg said the groups are needed for the many events being planned on Michigan Day, including a parade down Michigan Avenue in the District.  
"The groups must be self supporting. However, the District of Columbia Bicentennial Office will help them find economical room and board," he said.  
The Senior Michigan legislator said there were no restrictions on the type of performing group allowed. Festivities honoring other states have included color guards, bugle corps, bands, choirs, drum and fife corps, puppet shows, and groups in period attire.  
"Although I can only nominate a limited number, I

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## NOTICE

### BINGHAM TOWNSHIP RESIDENTS

OUR FIRE ORDINANCE IS IN EFFECT AND WILL BE ENFORCED. FOR A BURNING PERMIT CALL THE ST. JOHNS FIRE DEPARTMENT AT 224-6721. WE NEED YOUR COOPERATION TO KEEP THE COSTS OF FIRE PROTECTION AT A MINIMUM.

Lyola Dunkel, Clerk  
Bingham Township

# Police and public join in Citizens Resource Committee program

In an effort to bring community law enforcement and public safety needs and concerns closer to those responsible for providing those services, especially as they relate to programs and efforts of the Michigan State Police, Lt. LeRoy Fladseth, commanding officer of the Ithaca Post, has drawn together a group of private citizens and public officials into what has been identified as a Citizens Resource Committee.

This committee, which was organized last year to meet bimonthly at the Ithaca Post, held its regular meeting last Thursday, March 25. It was established, and has just expanded, with four specific objectives in mind. These are:

1. Increase citizen participation in programs, functions, and activities of the Michigan State Police.
2. Provide insight into local law enforcement and public safety concerns of the community which may not come to the attention of officials by any other means.
3. Provide two-way communication between the Ithaca Post and our local community relating to matters of crime, traffic, and emergency service.
4. Solicit suggestions, ideas, and comments on how the state police can maximize

available resources to better serve the people of this area.

COMMITTEE MEMBERS were selected on the basis of their interest in effective law enforcement, their capability of relating problems and needs to action programs, the geographical area in which they reside and/or work, as well as outstanding personal or professional qualifications which relate to servicing the public interest. Committee members serve in an advisory capacity to the Post Commander, without compensation, and provide evaluation, organization, and support to law enforcement, public safety, and emergency service activities.

Committee membership consists of nine persons. These include: Mrs. Carol Bashore, Ovid; Mr. Rex Cross, Wheeler; Mrs. Sue Gott, Riverdale; Harold Greenhoe, Carson City; Lt. Pat Long, Clinton County Sheriff Department; Robert MacDonald, Ithaca; Richard Miller, Perrinton; David Natali, Ithaca; and John Sieg, Alma.

Lt. Fladseth, who serves as committee chairman, advises that the Ithaca Post, with 20 officers, is responsible for providing general law enforcement service for approximately a county and a half. This in-

cludes all unincorporated Clinton and Gratiot County townships north of Centerline Road (south of St. Johns) to the Gratiot-Isabella County line, plus Crystal and Bloomer townships in Montcalm County. "With this large of an area, and limited manpower resources, we need all of the citizen input and assistance we can get," states Lt. Fladseth.

THIS COMMITTEE has also been assisting with several local crime information seminars conducted in select locations over the past several months. Also, they are becoming increasingly involved in planning and evaluating major thrusts of departmental effort in areas of special interest to public safety.

Committee members welcome constructive comments, suggestions, and ideas from area residents who may wish to communicate with them. A greater sensitivity to individual as well as general public law enforcement interests is the major concern of the Michigan State Police, and, according to Lt. Fladseth, it is toward this end that the Citizens Resource Committee strives.



Mrs. Carole Bashore of Ovid, seated, second from right, is a member of the Citizen Resource Committee of the Michigan State Police Post located at Ithaca. Another Clinton County member of the committee, Lt. Pat Long of the Sheriff's Dept., was not present for the picture. The group includes, from the left, seated: Trooper Ken Anderson, community service officer; Lt. LeRoy Fladseth, Ithaca Post commanding officer; Mrs. Bashore, and Mrs. Sue Gott of Riverdale. Standing: Robert MacDonald, Ithaca; David Natali, Ithaca; Richard Miller, Perrinton, and Rex Cross of Wheeler. Also included on the committee are John Sieg of Alma and Harold Greenhoe of Carson City.

## Schedule crime information seminar at O-E

The second of 2 crime information seminars will be held at Ovid-Elsie High School April 6.

Presenting the seminars are the Michigan State Police and the Clinton County Sheriff's Dept.

Officials of area law enforcement agencies will be at the meeting, which is from 7-9 p.m., to discuss crime and law

enforcement problems.

The seminar will open with the film, "Crime in the Home," followed by a description of local law enforcement problems.

A panel of law enforcement officials will answer questions from the audience.

Members of the panel will be Clinton County Sheriff Anthony Hufnagel; Chief Frank Homola of the Ovid Police Dept.; Chief Gordon Mead of the Elsie Police Dept.; 65th District Judge Frederick Lewis; Mrs. Carol Bashore, Ovid Twp. supervisor;

Lt. Milton Johnson, commanding officer of the Owosso State Police Post; and the Clinton County Prosecutor's Office.

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### NOTICE CITY OF ST. JOHNS ZONING BOARD OF APPEALS

APRIL 14, 1976

To be held in the city commission chambers 121 E. Walker Street at 7:30 p.m.

PURPOSE: To hear a request from James Bancroft for a variance of the zoning ordinance on his property at 206 W. Steel Street. The variance request is to build an addition seven (7) feet from the side line. The zoning ordinance requires a 10 foot setback on side lines.

PROPERTY ADDRESS: 206 W. Steel St.

TAX ROLL NO: 1515-00

Richard L. Coletta  
Zoning Administrator

### Nelligan heads CNB&T public relations



James A. Nelligan, former branch manager of the Valley Farms office of Clinton National Bank & Trust Company, has been named to the position of public relations officer.

Nelligan, who joined Clinton National Bank in the spring of 1974, will direct all the bank's advertising and marketing along with serving in a public relations capacity. He replaces Rollin A. Huard, Jr., who has been dividing time between advertising and trust work. He will now devote full time to the trust department.

Since 1974, Nelligan has been assigned to the Valley Farms office but will now direct his marketing efforts from the bank's main office in St. Johns. He will coordinate all advertising and public relations for Clinton National's twelve locations along with a new office scheduled to be opened late this summer in Lansing Township near Fairfield and E. Grand River.

In answer to your question . . .

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# Farm Bureau News

## Computerized health survey, testing program is available

Clinton County along with 42 other Michigan counties has agreed to participate in the International Compumedics Program to make available to our members a computerized Health Survey and Testing Program.

This physical examination will be provided in the local area at a cost of \$44.50 with the results returned to the family doctor. This program is in no way related to Blue Cross-Blue Shield and is not a BC/BS benefit.

Participation in this program is strictly on a voluntary basis.

Safeguards have been taken to insure the results are kept confidential with only ones own personal physician having access to the results.

After the tests are taken on a mobile clinic, a pathologist reviews the blood and urine tests, a cardiologist reads the electrocardiograms and an internist reads each profile before it is sent to the physician. Tests are tax deductible. The benefits of this type of testing have been acknowledged by the American Medical Association and are an investment in better health.

## M.J. Buschlen to talk on current farm labor laws

A Farm Labor informational meeting which is open to the public will be held at the Farm Bureau office Thursday, April 8 at 8 p.m.

M.J. Buschlen, manager of M.A.S.A. (Michigan Agricultural Services Association) who is one of the

most informed persons in this area on current Farm Labor laws, will speak regarding Workmen's compensation, minimum wage laws and O.S.H.A. rules and regulations.

Persons hiring one or more employees are urged to attend. Refreshments will be served.

## Farm-food film shown at schools

Clinton County Board members have been busy showing an agricultural film to area elementary school students.

The film, "Food From Farm To You" tells the story of farm production in an easy to understand farm for school children. It explains all the different types of farms such as beef, dairy, swine, poultry and cash crop including fruits and vegetables. Part of the film is spent on what is involved from the time the food products leave the farm until they are on the shelves in the supermarkets.

So far the film has been shown at Riley Elementary, St. Peter's Lutheran, East Ward, Pewamo, Ovid-Elsie, Eureka and plans are underway to show it at Bath and St. Johns Parochial schools next month.

Approximately 1000 pupils have viewed the film this year.

After the film is shown there is a question and answer period when the children ask the board members questions concerning farming. If any other schools or youth organizations are interested in seeing this film they should contact the Farm Bureau office. Phone 224-3255.



## Meet your Farm Bureau Agent Don Keim

Don Keim joined Farm Bureau Insurance Group in June of 1973 when he became a member of the Clinton agency. Contracted by John Lynch, District Sales Manager, Keim came with FB from his position as assistant director of Computer Operations for the Michigan Department of Social Services.

Before coming to Michigan he was employed by Univac of St. Paul, Minnesota.

Prior to that he served 4 years in the U.S. Air Force. In February 1975 Keim was

appointed Agency Manager for Clinton, Ionia and Shiawassee Counties. Presently 14 agents comprise this agency. During his first year with Farm Bureau he qualified for the All American repeating this honor again in 1975.

The Keim Agency won top honor in the Company's Fall Life Campaign. He is also a member of the coveted "13" Society. Keim and his wife, the former Diana Masarik, reside at 1005 E. Cass in St. Johns with their sons, Todd 5 and Tony who is 8 months.

## Calendar of Farm Bureau events

- April 5 Farm Bureau Women's District Meeting - Owosso, John Wesley Center - 9:30 a.m.
- 6 Clinton County Farm Bureau Women's Meeting - County Office, 10:30 a.m. Rural Urban Day, Bring Dish to pass and city guest.
- 8 Farm Labor Informational Meeting - 8 p.m. County Office.

- 20 County Board of Directors - 8 p.m.
  - 21 2nd Cabinet Meeting - Sheraton Motor Inn, Flint - 10 a.m.
  - 22 Young Farmers Monthly Meeting, Potluck supper, county office 7:30 p.m. Speaker on Marketing.
- WATCH FOR INFORMATION ON THE FRESH ASPARAGUS SALE IN MAY

## New members welcomed at dinner meeting

About 60 persons attended the annual new member welcome at the county office last Monday

night. The Community Group Committee composed of Mr. and Mrs. Bob Grams, Chairman, Mr. and Mrs. Dwight Nash and Mr. and Mrs. Ed Batora were in charge of arrangements.

Following a buffet supper comments were made from representatives of the affiliated companies.

Don Keim spoke for Farm Bureau Insurance and Ed Louzon talked about Farmers Petroleum. They are local managers of these companies respectively.

Bill Kissane, County President welcomed the new member families to Farm Bureau and urged them to become active in the organization. Speaker of the evening was Larry Ewing who briefly traced the history of the organization and described the various phases of Farm Bureau, its programs and services. Door prizes were awarded at the close of the meeting.

# County Board meets March 23

The Clinton Board of Directors held their March meeting last Tuesday. Reports were heard from the Women's Chairman, Mrs. Betty Morris and Young Farmer Committee Chairman, Mike Pettigrew.

Don Keim reported Farm Bureau Insurance stated that the agency had sold 44 member life policies to Farm Bureau members in the recent drive. The appointment of Bob Reed as Manager of the Marketing Division of Farm Bureau Insurance Group was announced this week.

Bill Spike, District Director was a special guest. He advised that the Safemark Program will be ready to send to the county board for approval in April. This program was accepted by the delegates at the Special Session last June. It will enable Farm Bureau members to purchase top quality tires, batteries, etc. at a discount price should it be put into effect within any county Farm Bureau. He invited county Farm Bureau leaders to come to the 2nd in a series of cabinet meetings to be held this year, this one on April 21 at the

Sheraton Motor Inn in Flint. Announcement was made that during the recent citrus sale over 275 cartons of oranges, grapefruit and juice were sold. A report of the State Soybean Meeting was given by Co. president Bill Kissane. Directors were reminded of the deadline to submit the names of their nominee to the county Women's Committee for the coming year. The board appointed Dick Noble to the Local Affairs Committee and approved the selection of Mike Borton to the Farmers Petroleum

Cooperative advisory committee for our local branch. The board also approved the proposal that the county Farm Bureau participate in the St. Johns Bicentennial celebration with a Salute to Agriculture display. A committee composed of one person from each active county committee will make up the Bicentennial committee. The board approved one Associate member application and the members were reminded of the Farm Labor meeting April 8.

## President's report by Bill Kissane

By Bill Kissane

One of the real success stories of Farm Bureau over the years has been our ability to communicate our needs and wishes to our elected representatives. There are several reasons for this success.

First, the policies which we support have been developed through a process which includes discussion and input from all Farm Bureau members. All members can participate through their Community Group, county annual meeting and must be making their views known to their County Board of Directors and delegates to State and National Annual Meetings. Farm Bureau lobbyist in Lansing and Washington are continually monitoring developments on the legislative fronts so as to keep Farm Bureau members informed.

Through the Farm Bureau Community Group program and the State Farm News members are kept informed. The state and national affairs committees within the county have set up a telephone grid system to activate the Farm Bureau membership to support the Farm Bureau positions on any given issues before the legislature. Although it is impossible to call all Farm Bureau members in a telephone grid; many of you will be called when the need arises.

The real key to the legislative successes of Farm Bureau is you the individual Farm Bureau member. Your input has helped to develop the policy and your continual support helps enact such policy. I urge all Farm Bureau members to take advantage of the various ways to participate in this process.

Write your congressmen and legislators, let them know your views. Join a Community Farm Bureau Group, attend county annual, and be a full time Farm Bureau member.

What's your opinion? Let your County Farm Bureau Director or the County office know. Action is needed right now on Federal Estate Tax reform. Certainly the present exemption of \$60,000.00 needs adjusting upward to more realistically reflect today's values. The \$200,000.00 exemption is badly needed if we are to keep Family Farms in the family as an operating unit. I urge you take action now to inform your congressman as to your position on this issue.

## Michigan farmers meet with national legislators

Mr. and Mrs. Robert Borton of south Clinton County were among a delegation of 100 Michigan farmers who flew to Washington, D.C. Monday, March 29, to discuss with their Congressmen issues of concern to the agricultural industry.

The farm leaders from throughout the state spent four days in the nation's capitol as part of the Michigan Farm Bureau's Washington Legislative Seminar.

This is the 16th year the organization has sponsored the activity to provide its members with an opportunity to become better acquainted with their

Congressmen and the legislative process.

Forty-five of the farmers have been selected as "legislative leaders" by their county Farm Bureaus, including Mrs. Borton. As spokesmen for farmers in their counties, they will discuss key issues with their legislators, attend committee hearings, and visit the U.S. department of Agriculture. Breakfast meetings with Republican and Democrat Congressmen have also been scheduled.

Issues discussed with the Congressmen included: the importance of foreign markets

and farmers' freedom to market what they produce, estate taxes, inflation and the Federal budget, the Food Stamp program, and consumer protection.

The men and women designated as legislative leaders are full-time farmers who are active in policy development and legislative activities in their respective county Farm Bureaus.

Representing the Michigan Farm Bureau in Washington was the organization's president, Elton R. Smith, Kent County dairy farmer, and several other members of the state board of directors.

## Don't throw away \$5 members!!!

Along with your 1976 membership card you were sent a certificate worth \$5.00 on a purchase of \$50.00 or more at any Farm Bureau participating elevator or services outlet or at any Farmers Petroleum store. Last year about 10% of the members used these cer-

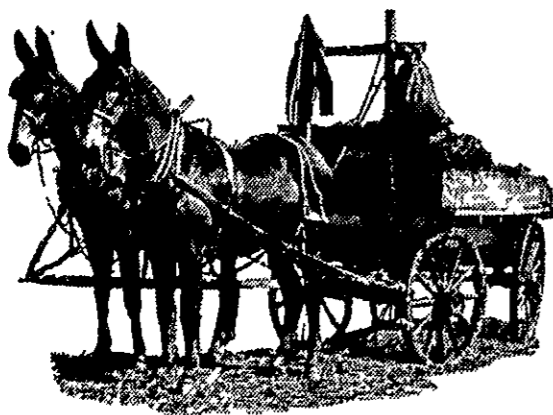
tificates. So far more members are taking advantage of this compared to the same month a year ago however we would like to remind you these certificates expire on May 31, 1976 two months earlier than last year. So why not look yours up and use it soon.

# BACK TO THE BASICS

FROM FARM BUREAU

## Fertilizers Are Still a Good Buy

Fertilizer like other farming inputs has been costing more in recent years. But, compared to other production costs fertilizer has increased less. This year get back to the basics of full fertilization. Be sure you get the maximum yields for a higher profit.



For All Your Farm Supply Needs

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## Service News

### Airman Pifer

SAN ANTONIO - Airman Richard L. Pifer, whose parents are Mr. and Mrs. Stanley E. Pifer of 709 N. Clinton Ave., St. Johns, has graduated at Lackland AFB, Tex., from the U.S. Air Force security policeman course conducted by the Air Training Command.

The airman, who was trained in security and law enforcement, is being assigned to Kincheloe AFB, Mich., for duty with a unit of the Strategic Air Command.

Airman Pifer is a 1975 graduate of St. Johns High School.

## Agriculture in Action

My Banker Isn't Fair Guest Column by C. M. Wilson

I can't figure out what's wrong with my banker. I should not like to have it said that I think he's stupid, but we certainly aren't getting along very well these days. He says I'm unreasonable and I say he's an ornery old fool.

A couple of weeks ago, I went to see him about lining up some more credit. He looked at my record and took note of the fact I've operated on a deficit for quite a few years, and he implied that I haven't been doing as well as he thinks I ought to.

I reminded him that my account last year was only \$76,000 short. I hated to bring my Uncle into the picture, but I said to my banker, "Look, Uncle Sam is running short by \$76 billion. You know how much that is?" Obviously, he didn't know until I told him. That's a million times more than I lost last year." My banker didn't believe it. He thought I was just using the word billion because everyone else does. I told him to figure it up for himself, but his adding machine didn't have that many zeroes on it. So I put it down on paper for him. I put down \$76,000 and multiplied it by 1,000,000. You've got to count the zeros carefully, but if you

do, it'll come out to \$76,000,000,000.

I WENT ON TO explain that I've always tried to pattern my life after my Uncle's. He's had a lot of respect in our town and even though he's a million times bigger than I am, I like to throw my weight around, too, such as it is.

I've always figured that if I could keep within six digits of my Uncle, I'd get along alright. My business runs right at \$400,000 and Uncle's gets up to about \$400 billion. It seems fair enough to me, but not to my banker.

He asked about my projections for next year and I offered him a deal. "Look," I said, "last year I lost \$76,000. This year, if you insist, I'll only lose half that much. . . make it an even \$38,000. Next year I'll cut it in two again, down to \$19,000." I offered to keep cutting it for the next 20 years, at which time I'll only be 84 years old. By that time, I should, if everything goes along as I'd like it to, be almost at the break-even point. Maybe by the time I'm 85, I can begin paying some of the principle.

Like I said, I can't figure out what's wrong with my banker. When I told him I'd take my business to the bank across the street, it didn't even phase him.

## Improved Coverage Better Rates



Let us show you how the broader, better coverage actually keeps rates at what they were in 1969.

23 ways better

## FarmOwners

LEON FELDPUSCH St. Johns PHONE 224-3255	RON MOTZ St. Johns PHONE 224-3363	MARK SIMMON Fowler PHONE 593-3104	DON KEIM Manager St. Johns PHONE 224-7263
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Office  
Phone 224-3255

FARM BUREAU  
INSURANCE  
GROUP



# Farming and 4-H - - - in Clinton County

## Extension Calendar

April 3: 4-H Spring Achievement Day - Smith Hall and St. Johns High School - 9 a.m. - 5 p.m.

April 4: 4-H Spring Achievement Open House - Smith Hall - 2-5 p.m.

April 7: Clinton County Dairy Tour

April 8: Farm Labor information meeting - M.J. Buschlen - 8:00 p.m. Farm Bureau Bldg. in St. Johns.

April 8: Family Living Area Day - 9 a.m. - 2:30 p.m. - Smith Hall

April 10: 4-H Style Revue - St. Johns High School - 10 a.m. - 4 p.m.

April 12, 19, 26 & May 3: Family Living "Peoplomaking Series" - DeWitt Baptist Church - 7 p.m.

April 23-25: 4-H Trip Award to Yankee Springs

April 27: Family Living - Young Homemaker Day - Corunna

May 1: County Roadside Cleanup Project - All Youth Groups

May 4: Family Living Council - Smith Hall - 9:30 a.m.

May 4: Family Living Lesson - "Planning for Funerals" - Smith Hall - 1:00 p.m.

May 6: Family Living - Holiday Workshop Committee - Smith Hall - 9:30 a.m.

June 5: County 4-H Newspaper Drive

## 4-H Chatter 4-H open house



BY JOHN AYLSWORTH

**4-H OPEN HOUSE**  
Make your plans to attend the Clinton County 4-H Open House Sunday, April 4, 2 to 5 p.m. at Smith Hall in St. Johns. The public is urged to attend the 4-H Open House and see the accomplishments of the 4-H Youth this past winter. Over 1500 projects will be on exhibit in the areas of clothing, knitting, crocheting, woodworking, leather, cake decorating, ceramics, crafts, photography, indoor gardening and many others. The quality of workmanship will amaze you. Also, the exhibits will give you many ideas on projects you might make. Projects will be released at 5:00 p.m. There is no admission charge to attend this event.

and his horse-capades at every performance. There will be three performances - Friday evening, April 2, at 7:00 p.m.; Saturday afternoon, April 3, at 12:00 noon; and Saturday evening, April 3, at 7:00 p.m. George Good and his Border Collies will appear only on Saturday afternoon at 12:00 noon. The cost for tickets is \$1.50 for Friday evening and Saturday afternoon with the final performance, Saturday evening, costing \$2. Anyone wishing more information, should call 335-8400 at Michigan State University.

achievement meeting where members styled their clothing and knitting projects and other projects were on display for the parents and other club members to inspect. Members decided to go roller skating on May 13th as part of the 4-H roller skating activity. The recreation leader had several fun games planned for the members to enjoy.

### ROADSIDE CLEAN-UP

The Eureka Go-Getters 4-H members voted to participate in the County Youth Roadside Clean-up project on May 1, and will clean up the area east of U.S. 27 to Welling Rd., and from Hyde Rd. to French Rd. The club donated \$15 to the 4-H flag pole project at the Fairgrounds.

### LEADERS' WORKSHOP

Clinton County's 4-H leaders interested in the arts project are urged to attend a statewide 4-H Leaders' Workshop, April 23 & 24, at Kettunen Center near Tustin. The program starts with lunch on Friday and ends with lunch on Saturday. The objectives of this workshop are to teach three areas of art - "Wet" - acrylic, oil and water painting; "Dry" - drawing with charcoal and chalk and "3-D" - sculpture. Any older youth and leaders who would like to learn techniques in various art mediums from trained artists are urged to attend. The cost is \$8 per leader, as the remaining cost will be covered by the Michigan 4-H Foundation. Reservations are due in the Extension Office by April 9.

### ACHIEVEMENT MEETING

The Happy Huslers 4-H Club members held their club

### PROJECTS EVALUATED

4-H members will have their projects evaluated Saturday, April 3, when adult resource people will evaluate the project with the member present. Members with clothing, knitting and crocheting projects will be at the St. Johns High School cafeteria, while all other projects are to be taken to Smith Hall. Following Evaluation and Open House the members will have the opportunity to make changes in the project before it will be judged in August for the Fair.

### SET HORSE SHOW

The Block & Bride Club of Michigan State University will present its 28th Annual Horse Show featuring Chuck Grant

## Legislation would provide loans for PBB contamination

WASHINGTON, D.C. - Congressman Al Cederberg (R-Michigan) has joined a bipartisan group in sponsoring legislation which would provide low cost government loans to many Michigan farmers af-

flicted with PBB contamination of their livestock.

Cederberg said the bill would provide loans only to bona fide farmers who had suffered losses due to toxic chemical contamination. The maximum

term of the loans would be seven years and would be limited to a maximum of \$100,000. Where individual circumstances dictated, the Secretary of Agriculture could grant a grace period for principal payments and the majority of the interest for up to three years.

Similar legislation has already passed the Senate.

"In light of the continued delay in settlement of PBB claims and the possibility that the current insurance settlements may be inadequate, federal assistance is desperately needed," Cederberg stated.

Cederberg introduced a PBB relief bill last year. "It is imperative that the Agriculture Committee be impressed with the need for legislation in this area," he said, "and I am glad to have this opportunity to bring it to their attention again."

"Over 500 Michigan farms have been quarantined because of the PBB contamination and their losses have been estimated at \$74 million," Cederberg continued. "Farmers operating on a limited budget are not able to absorb losses on this magnitude."

"Although this assistance cannot begin to fully alleviate the loss, it will provide needed relief where contamination or quarantine has occurred," Cederberg concluded.

Fire annually costs the nation more than \$3 billion in direct losses. The cost is untold billions more in terms of jobs ended, production suspended, sales lost, accounts payable records destroyed - meaning lost income for owners and employees alike.

### What do you expect from a lender?

#### CONFIDENCE!

We've been in the agricultural lending business over 40 years. Through good times and bad, we're committed to agriculture. That's confidence in your business. Confidence in you!

...we understand a growing man's growing plans.

**CHARLES BRACEY**  
Manager  
Your Local PCA Planner

**MICHAEL CRUMBAUGH**  
Loan Officer

PHONE 224-3662

1104 S. US-27 ST. JOHNS

## Designate Centennial Farm

A farm owned by Joseph F. and Judith A. Pohl of R.R. #2, Portland, Michigan has been designated as a Centennial Farm by the Division of Michigan History.

The farm, located in Westphalia Township, Clinton County has been in the possession of the family since 1874. It was originally purchased November 5, 1874 by Nicholas Pohl, great grandfather of the present owners, from John and Marareth Kiochner.

Secretary of State Richard H. Austin, whose Department administers the Centennial Farm program, said the program was inaugurated in 1948. Since then, more than 3000 Michigan farms have been certified as Centennial Farms. Certificates are provided by the Division of Michigan History. Large metal markers

are provided by the Detroit Edison and Consumers Power Companies.

Explains Austin, "A Centennial Farm is one which has been in the continuous possession of the same family for 100 years or more."

For this purpose, the Michigan History Division considers a farm to be either 10 or more acres having estimated farm product sales of more than \$50 yearly, or less than 10 acres having estimated sales of at least \$250 years. A centennial farm comprises only the land and not the farm buildings, which may be remodeled or even new.

Applications for Centennial Farm recognition are obtainable from: Centennial Farm Program, Division of Michigan History, Michigan Department of State, Lansing, Michigan 48918.

## Kincaid District News

We would like to express sincere sympathy to the family of Jay Witt.

Thursday, John Dickinson of Williamston, Eldon Dickinson of Delta Mills, Mr. and Mrs. Donald Hoyt of Jackson visited Mr. and Mrs. Otto Dickinson.

Tuesday, Mrs. Donald Potts and Kenny visited Mrs. G. V. Pyle.

Wednesday, Mrs. Donald Potts, Mike and Kenny spent all day with Mrs. Rose Potts of Lansing.

Friday, Mr. and Mrs. Donald Potts and children took Mrs. Harold Hoerner out for supper.

Saturday, Michael Potts attended the Hospitaler Circus at the Civic Center with a group from St. Johns.

Saturday, Mr. and Mrs. Donald Potts and children visited in the Hardenburg home.

Sunday, Mr. and Mrs. James Wall and family of DeWitt visited Mr. and Mrs. Donald Potts and children.

A week ago Sunday, Mr. and Mrs. Harold Hoerner had Sunday dinner at Frankenmuth while out sightseeing.

Garry Sullivan returned home from vacationing in Florida last week. Mrs. Donald Sullivan is now visiting friends and relatives in Florida.

Mr. and Mrs. Porter Parks attended a birthday celebration at the Jerry Myszak home in DeWitt Sunday to help celebrate the birthdays of Mrs. Marge Myszak, Joe and Jeff.

Mrs. G.V. Pyle, Mrs. Maxine Hoerner, Mrs. Porter Parks attended the Neighborhood Society Meeting at the home of Mrs. Ethel Lang in Grand Ledge. All spent a very enjoyable day.

Mr. and Mrs. Kenneth Pyle, of St. Johns, Mr. and Mrs. Robert Scarborough of DeWitt were Sunday dinner guests and afternoon visitors of their mother, Mrs. G.V. Pyle.

Mr. and Mrs. Archibald Potts of Holt visited Mr. and Mrs. Donald Potts and sons, Sunday evening.

Mrs. Harold Hoerner, Mr. and Mrs. Arthur Hoerner attended a quiet, family wedding of Linda Grove Tobler, Saturday in the home of her parents, Mr. and Mrs. Richard Grove.

## 13,000 citizens have their say

EAST LANSING - To help Michigan decision-makers get a grasp of what the public thinks are major community issues and tax priorities, Michigan State University researchers recently polled nearly 22,000 households. A sizable number - about 66 percent - have responded.

The aim of the survey is to hear from a greater cross section of citizens - including those who have clear-cut opinions but who seldom voice them. In most community issues, it seems that decision-makers hear only from the citizens who are most vocal and most aggressive, the project team explains.

Do Michigan residents think that such issues as rising unemployment, land use conflicts and drug abuse are more or less serious than racial conflicts, rising crime or water pollution?

When choosing a place to live, what do people consider most important in a community? Quality of schools? Cultural facilities? Quality of medical facilities?

Which problems would residents be most willing to pay higher taxes to alleviate? What should get top priority? Job training? Incentives to increase agricultural production? Crime prevention? Population control?

A statewide study of the opinion of Michigan residents, conducted by MSU's Department of Resource Development, hopes to find answers to these questions.

The team includes MSU resource development specialists Bill Kimball, Manfred Thullen and Alan Kirk; with help from Brad Green and Bob Danilovich, MSU graduate students in resource development.

To make better use of scarce tax dollars, community decision-makers can use the results of the survey to put a finger on what the public thinks about community problems, development needs and tax priorities.

The data will be analyzed this spring; seminars across the state this fall will focus on the implications of the survey.

"We designed our survey after two successful programs at Washington State and North Carolina State universities," Kirk explains. "We mailed the survey to nearly 22,000 households randomly selected from telephone directories. County Extension agents acted as local liaisons, helping us encourage residents to fill out and return the questionnaires

promptly. We also relied heavily on county staffs to help us locate addresses on mail returned to us as undeliverable."

By early February, about 66 percent of the surveys that were mailed out had been received at the MSU office - just over 61 percent of them in usable form. The project team considers this an excellent return that will provide especially meaningful data.

For some counties, particularly in the Upper Peninsula, the number of usable returns ranged as high as 70-75 percent.

"These findings, of course, may be just one of the many factors in local and regional decision-making," Kimball points out. "But such a survey helps pin down public concerns."

What you see as social ills and what you're willing to pay in the way of increased taxes to correct those ills may differ. For that reason, Michigan

survey participants were asked to cite their three top priorities and whether they would be willing to pay higher taxes to meet those priorities.

"We'll tabulate the results for each county and region and for the entire state, to make the data useful to various groups. We'll also pinpoint the opinions of various other groups such as the elderly, the unemployed, low-income households, rural and urban households. In other words, we're finding out how various groups feel about the importance of each community issue," Thullen says.

Public seminars will be held this fall in each of the state's 14 planning and development regions, to discuss the implications.

"When we have the completed results, anyone who is interested can have a copy - whether you're a state legislative committee member, a county commissioner, or simply an interested citizen," Kirk says.

## Beware of pesticide phone sales pitches

EAST LANSING - Good deals being offered on pesticides by out-of-state telephone salespersons may turn out to be just the opposite.

"Some producers have discovered that the product they purchased is 95 percent fuel oil, when they were under the impression they were buying something else," says Dr. Robert Ruppel, Michigan State University Extension entomologist.

Pointing out that it is not illegal, under the letter of the law, to market the product, Ruppel explains that the mixture of fuel oil and two percent inert, contains only small amounts of 2, 4-D, bromicil and pentachlorophenol.

Prices range from \$4.85 to \$28.95 per gallon. The material can be used on dense foliage; but not for cropland nor is it an emulsifiable concentration as the buyer may be led to believe, Ruppel says.

"While there is nothing wrong with selling the product over the phone, the producer should determine from the salesperson how much active herbicide the product contains, where it can be used, and under what label it is being marketed," Ruppel advises.

Producers should let Ruppel or the local Michigan Department of Agriculture know if calls have been received. If at all possible, obtain the number and name of the caller.

## Chloe's Column Parent-communication series

Clinton County Home Economist

Virginia Satir, author of the book, Peoplomaking, says "Family life is something like an iceberg. Most people are aware of only one-tenth of what is actually going on - the tenth that they can see and hear - and often they think that is all there is. . . Just as a sailor's fate depends on knowing about the iceberg under the water, so a family's fate depends on understanding the feelings and needs that lie beneath everyday family events."

The Clinton County Cooperative Extension Service is offering an educational program designed to help parents understand those feelings and needs. The series will be held April 12, 19, 26 and

May 3. All meetings will be at the DeWitt First Baptist Church from 7:00 p.m. - 9:00 p.m.

The sessions will be based on the books, "Peoplomaking, and will deal with:

**SELF WORTH** - the feelings and ideas one has about himself.

**COMMUNICATION** - the ways people work out to make meaning with one another.

**RULES** - people use for how they should feel and act.

Registration will be on a first-come, first-serve basis and will be limited to the first 30 people. For more detailed information about the sessions, or to register, contact Chloe Padgett, Extension Home Economist, Phone (St. Johns) 224-3288.

## Carland News

**OBSERVE THE FIRST LADY'S QUILT**  
Mr. and Mrs. Leo Deming of Carland and Mr. and Mrs. Richard Mead and son, Brian, of St. Johns visited the Girl Scout Birthday Bicentennial Celebration in Lansing to observe the quilt that was made for Mrs. Betty Ford, by the Girl Scouts.

The Bicentennial event was held at the Westland Mall, with the quilt on display, as well as many troops performing skills; actually churning butter, and buttering crackers for anyone to taste their newly made

butter; some girls were lashing with rope, making camping facilities, others, were portraying foreign-country costumes and dances, etc.

The quilt was made with the complete map of Michigan; both the upper and lower peninsulas and the great lakes on one side, with individual blocks embroidered by each troop in the Michigan Capitol City on the opposite side.

The quilt had already been presented to the First Lady and just borrowed, by her own suggestion, to display for that day, for the public to see.

## NOTICE OF BID

The County of Clinton will receive sealed bids on a 1972 Plymouth Fury until Monday, April 5, 1976 until the hour of 9:00 A.M. at which time the bids will be publicly opened and read in the office of the Zoning Administrator. The vehicle may be inspected at the Zoning Office, Parr Bldg, 100 S. Ottawa Street, St. Johns, Michigan 48879. The vehicle will be sold as is, vehicle has mechanical problems. The County of Clinton reserves the right to reject any or all bids and to waive any defects in the bids or bidding procedure in the best interest of the County of Clinton.

Zoning Administrator

**IT'S KARBER'S FOR ONE STOP COMPLETE BUILDER SERVICE**

**CONCRETE BLOCK**

CALL 224-2327

**READY MIX CONCRETE**

CALL 224-6776

**SAND & GRAVEL**

CALL 224-4084

**AUCTION SALE**

**FARM MACHINERY REAL ESTATE**

DUE TO ILL HEALTH, I WILL SELL MY PERSONAL & REAL ESTATE AT PUBLIC AUCTION LOCATED 7 MILES SOUTH OF ST. JOHNS, MICH. ON US-27 TO PRATT RD., WEST 2 1/4 MILES AT 3001 PRATT RD. ON

**MONDAY, APRIL 12, 1976**  
**AT 12:30 P.M.**

**FARM EQUIPMENT**

1975 DUETZ 1006 DIESEL, 3 POINT, CAB, 4 WHEEL DRIVE, 250 ACTUAL HOURS

1975 KONGSKILDE PLOW, 5 BOTTOM, ADJUSTABLE TO 14, 16, or 18 IN., AUTOMATIC RESET, TRIP CUSHION COULTERS

1972 MASSEY FERGUSON 410 DIESEL COMBINE, 14 FT. TABLE WITH LOVE BAR, CHOPPER, HUME REEL, CAB AND ALL EXTRAS

1972 MASSEY FERGUSON 43 4 ROW NARROW CORN HEAD TO FIT 410 OR 510

1969 JOHN DEERE 55 EB COMBINE, CAB, CHOPPER, 13 FT. GRAIN TABLE, HUME REEL, 303 ENGINE

JOHN DEERE 334 WIDE ROW, 3 ROW CORN HEAD TO FIT 55 OR 95

1976 CHEVROLET PICKUP, MODEL DELUX 10. FULL 4 WHEEL DRIVE, 1000 MILES, POWER STEERING AND POWER BRAKES, AUTOMATIC TRANSMISSION

1959 I.H.C. TRUCK, 18 FT. TIGHT GRAIN RACK, 5 SPEED, 6 CYLINDER

1953 DODGE TRUCK, 6 CYLINDER, 5X2 SPEED, 11 FT. TIGHT GRAIN RACK OVERHEAD 300 GALLON FUEL TANK, 200 GALLON PORTABLE FUEL TANK WITH ELECTRIC PUMP, 12 VOLT. 175 GALLON PORTABLE FUEL TANK WITH 12 VOLT PUMP SEVERAL SMALL TOOLS

**REAL ESTATE TO BE SOLD AT AUCTION**

3 Bedroom home on 4 acres, more or less, bath, built in cupboards, 2 car garage, full basement new 4 in. well, 200 ft. with submersible pump, new electric heat, 34 ft X 40 ft. Pole barn. LEGAL DESCRIPTION - Bag in NW cor of W 1/2 of NW 1/4 of Sec 20-T8N-R2W, T8 E 10 rds, S 64 rds, W 10 rds, N 64 rds to pt of bag.

9 Miles North from Lansing city limits., 7 Miles South from St. Johns.

TERMS: At least \$15,000 down with balance on land contract, with monthly payments at 8 1/2% Per annual. Buyer will give at completion of auction, Deposit of \$5000 in form of Cash; Certified Check or Bank Money Order. Balance of down payment must be paid on delivery of land contract or no more than 30 days after sale of property.

Property will be sold at 2:00 P.M. Seller reserves the right to reject any or all bids. Buyer will have possession in 60 days. House and property will be shown at any time by appointment only. Call 517-689-3797

**NOT RESPONSIBLE FOR ACCIDENTS OR STOLEN ITEMS DAY OF SALE. NO PROPERTY REMOVED UNTIL SETTLED FOR.**

**Robert Lange, Prop.**  
PHONE 517-689-3797  
DeWitt Mich.

AUCTIONEER: Al Galloway, N US-27 Rt St. Johns, Mi. Phone 517-224-4713, 224-4300, 224-3666.

AUCTIONEER AND REAL ESTATE BROKER: Ray Tosch Capac, Mich. Phone 313-395-4985



# Next Week in Clinton County churches

All Churches in Clinton County are invited to send their weekly announcements to The Clinton County News. They must reach us by 10 a.m. Monday to insure publication in the current week's issue.

**FIRST CONGREGATIONAL CHURCH**  
Maple Avenue & State Street  
Averill M. Carson, Minister

Thursday, April 1  
9:00 a.m. - 4:00 p.m. Basement Sale - Wilcox Hall  
3:30 p.m. Children's Choir Rehearsal  
4:00 p.m. Junior Choir Rehearsal

Sunday, April 4  
9:45 a.m. Pastoral Board Meeting - narthez  
7:30 p.m. Doublets with Mr. and Mrs. Charles Huntington, 506 E. McConnell St.

Tuesday, April 5  
8:00 p.m. Mabel Mader Division at the home of Mrs. Douglas Weir, 1101 E. Taft Rd.

Wednesday, April 7  
6:45 p.m. Boy Scout Troop #1  
7:30 p.m. Chancel Choir Rehearsal  
7:30 p.m. Board of Trustees

Church Office Hours:  
Monday thru Friday  
8:30 a.m. to noon  
Tel.: 224-2525

**FIRST UNITED METHODIST CHURCH**  
200 East State Street  
Box 128  
St. Johns, Michigan 49787  
Francis Carl Johannides, Minister

9:30 a.m. Church School  
11:00 a.m. Worship Service  
Wednesday, March 31  
9:00 a.m. Lenten Study Class  
Thursday April 1  
Chancel Choir

Monday, April 5  
9:00 a.m. United Methodist Women's Executive Committee Meeting  
Tuesday, April 6  
9:00 a.m. U.M.W. Lenten Breakfast  
7:30 p.m. Esther Circle  
7:30 p.m. Sara Louise Circle

Wednesday, April 7  
United Methodist Women's District Meeting, St. Louis  
Tuesday, April 13  
Boy Scout Pancake Supper  
Adults - 32; Children under 12 - \$1.50  
Serving - 5:30 p.m. thru 7 p.m.  
Public welcome

**FIRST BAPTIST CHURCH**  
512 S. US-27  
St. Johns, Mich.  
Rev. Peter F. Newkirk, Pastor  
A fundamental Bible believing church.

9:45 a.m. Bible School  
11 a.m. Worship Services  
11 a.m. Children's Churches  
9 p.m. Youth Hour  
7 p.m. Evening Worship  
Each Wed. 7 p.m. Bible Study and prayer.  
9 p.m. Choir practice - Jr. Basketball  
Nursery (for babies and small-children for all services.  
Church office hours  
9:12 & 1-3 Mon. thru Fri.

**ST. JOHN'S EPISCOPAL CHURCH**  
Corner of Mead & Walker Sts.  
Rev. Hugh Bandinga  
Ph. 224-2600

8 A.M. Holy Communion every Sunday  
10 A.M. Holy Communion & Sermon, 2nd & 4th Sundays  
Morning Prayer & Sermon, 1st and 3rd Sundays  
Last Sunday every month at Noon, Family Fellowship Dinner  
10:30 a.m. - Watchtower Study - Current issue of the "Watchtower" magazine  
Café Pack 512 on last Mon. of month at 7 P.M.  
Tuesdays - Wt. Watchers at 6:30 P.M.  
Wednesdays - Webelos Scouts at 7 P.M.  
Holy Communion during Lent at 7:30 P.M.  
Thursdays - Overeaters Anonymous at 9:30 A.M.  
AA, ALANON, ALATEENS at 8 P.M.

**ST. JOHN'S CHURCH OF CHRIST**  
400 E. State St.  
David Wood, Minister  
Ph. 224-6212

9:30 a.m. Sunday School  
10:30 a.m. Morning Worship & Communion  
6:00 p.m. Youth Meeting  
7:00 p.m. Evening Worship  
7:00 p.m. Wed. Bible Study  
A Friendly Church with a Scriptural Message

**ST. JOSEPH CATHOLIC CHURCH**  
Rev. William G. Hanker, Pastor  
Rev. Raymond Goodrich, Associate Pastor

Rectory 109 Linden St. Ph. 224-3313  
Convent 110 S. Oakland Ph. 224-3789  
School 201 E. Cass Ph. 224-2421

Mass Schedule  
Saturday Evening - 7 p.m.  
Sunday - 7:30, 9, 10:30 and 12  
Holy Days - See bulletin  
Weekdays - 8:30 a.m. and 7 p.m.  
Sacrament of Penance - Saturdays, 3:30 to 5 p.m.; after 7 p.m. Mass until 8:30 p.m.  
Weekday evenings - a few minutes before evening Mass.  
First Fridays - Sacrament of Penance, Thursday from 4 to 5 p.m. and after the evening Mass until all are heard. Mass and prayers of Adoration at 7 p.m. Holy Communion on Friday at 6 and 7:15 a.m. Adoration of the Blessed Sacrament, Thursday 7 p.m. on First Friday after evening Mass.  
Devotions - Our Mother of Perpetual Help Novena - Saturday 7:15 p.m. Mass each Tuesday.  
Religious Instruction Classes - Adult Inquiry Class, Tuesday at 8 p.m. High School CCD, Wednesday at 7:30 p.m. Public Grade School CCD; Tuesdays from 4 until 5 p.m.  
Baptisms - Each Sunday at 1:30 by appointment. Other arrangements by appointment.

**ST. JOHNS LUTHERAN CHURCH**  
(Missouri Synod)  
Rev. Michael R. Rubl, Pastor

Divine Worship 8:00-10:30  
Sunday School & Bible Class 9:15  
Holy Communion 1st and 3rd Sundays  
Church Office hours - 9:00 - 12:00  
Monday, Wednesday, and Thursday mornings, Friday.

Office Telephone: 224-2544  
Parsonage Telephone: 224-7400  
Educational Wing Telephone: 224-8156  
Adult Instruction - Mon. 10:00 a.m. 7:00 p.m.  
Evangelism and Elders at 6:30 p.m.  
Tuesdays, Bethel and Teachers at 7:00 p.m.  
Weekday School and Confirmation Classes, Wednesday, 3:30 - 6 p.m.  
Senior Choir - 8:30 p.m. Thursday Ladies Guild - 1st & 2nd Wednesday each month at 8 p.m.  
Councils and Committees - 3d Thursday each month at 7 p.m.  
Golden Age Fellowship Group - 3rd Thursday each month at 1 p.m.  
Youth - 2nd and 4th Sundays at 4 p.m. Couples Bible Study - Sundays at 7:30 p.m.  
Home Bible Study - Monday through Thursday

**LENTE SCHEDULE**  
Ash Wednesday (March 9 - Holy Communion) First Word: "Father, Forgive"  
Lenten Service II (March 10) Second Word: "With Me In Paradise"  
Lenten Service III (March 17) Third Word: "Behold Your Son - Your Mother"  
Lenten Service IV (March 24) Fourth Word: "Why Hast Thou Forsaken Me?"  
Lenten Service V (March 31) Fifth Word: "It is Finished"  
Lenten Service VI (April 7) Sixth Word: "It is Finished"  
Maundy Thursday (April 15) - Holy Communion  
Good Friday Evening (April 16) Seventh Word: "Father, Into Thy Hands I Commit My Spirit!"  
Easter Sunday - April 18

Mission Sunday - March 21 (8 & 10:30 services) Rev. Edward Azzam former missionary to the Middle East (Belmont Lebanon) will be guest preacher. During Adult Bible Class at 9:15 he will lecture and show color slides dealing with the culture, people and problems of the Middle East.

**REORGANIZED CHURCH OF JESUS CHRIST LATTER DAY SAINTS**  
407 E. Gibbs  
Church School 10 o'clock  
Worship Service 11 o'clock

**BANNISTER UNITED METHODIST CHURCH**  
Rev. Emmet Kadwell  
Sunday Worship Service 9:30 a.m.  
Church School 10:30 a.m.

**ASSEMBLY OF GOD**  
US-27 & E. Baldwin  
Joseph F. Eger, Jr., Pastor

10:00 a.m. - Sunday School  
11:00 a.m. - Morning Worship  
6:30 p.m. - Youth Service  
7:30 p.m. - Sunday Evening  
7:00 p.m. - Wednesday, second and fourth W.M.  
7:30 p.m. - Wednesday evening service

**PRICE UNITED METHODIST CHURCH**  
David D. Boyd, Pastor  
415 Division St. E. Lansing

9:45 - Church School  
11:00 a.m. - Worship Service  
Rev. Peter F. Newkirk, Pastor  
A fundamental Bible believing church.

9:45 a.m. Bible School  
11 a.m. Worship Services  
11 a.m. Children's Churches  
9 p.m. Youth Hour  
7 p.m. Evening Worship  
Each Wed. 7 p.m. Bible Study and prayer.  
9 p.m. Choir practice - Jr. Basketball  
Nursery (for babies and small-children for all services.  
Church office hours  
9:12 & 1-3 Mon. thru Fri.

**JEHOVAH'S WITNESSES**  
Kingdom Hall  
1993 North Lansing St.

Tuesday, 7:30 p.m. - Congregation Book Studies, Text Studies "The Nations Shall Know That I Am Jehovah - How?"  
Thursday, 7:30 p.m. - "Theocratic Ministry School" - "Tests Used: Bible" and "Aid to Bible Understanding" 8:30 p.m. - Service Meetings  
Friday, 8:00 a.m. - Public Lecture - "The Bible - A God-given Representative of the Watchtower, Bible and Tract Society, 10:30 a.m. - Watchtower Study - Current issue of the "Watchtower" magazine

**PUBLIC INVITED**  
NO COLLECTION TAKEN

**CHURCH OF THE NAZARENE**  
515 North Lansing Street  
Rev. Kenneth Anderson  
Phone 224-7950

10:00 a.m. - Sunday School  
11:00 a.m. - Morning Worship  
6:15 p.m. - Young People's Service  
7:00 p.m. - Evening Worship  
Wednesday, 7:30 p.m. - Bible Study and prayer hour.

**FREE METHODIST CHURCH**  
306 Church Street  
Phone 224-3349  
Rev. Rodney Dean

Sunday  
10:00 a.m. Sunday School  
11:00 a.m. Morning Worship  
6:00 p.m. Evening Worship

Wednesday  
8:30 p.m. C.V.C.  
9:00 p.m. Bible Study and Prayer Service

**SALEM UNITED METHODIST CHURCH**  
US-27 and County Line Rd.  
Pastor Paul R. Jones  
Phone 224-7709

Parsonage & Office 2620 E. Maple Rapids Rd. Eureka.  
Sunday  
9:00 Worship  
10:00 Church School  
7:30 p.m. W.S.C.S. Third Thursday each month.

**SEVENTH DAY ADVENTIST**  
1400 S. Oakland  
Paul E. Penno, Pastor

Services held on Saturday  
9:15 a.m. - Church Service  
10:30 a.m. - Sabbath School Service

**WEST PILGRIM UNITED METHODIST CHURCH**  
Corner of Parks and Grove Rd.  
Rev. Brian K. Sheen, Minister

9:30 a.m. - Worship Service  
10:45 a.m. - Church School

**SHEPARDVILLE UNITED METHODIST CHURCH**  
Dr. David Boyd, Pastor  
465 Division Street  
East Lansing, Michigan

9:30 a.m. Worship Service, 10:45 a.m. Church School  
Wednesday: 7:00 p.m. Chr. practice, 8:00 p.m. Prayer Service.  
Administrative Board first Monday in the month.  
General meeting of WSCS third Thursday in January, April and September.  
Afternoon Circle meets second Thursday at the home of members.  
Barnes Circle meets third Thursday evening in each month at the homes of members.

**WAYSIDE BAPTIST CHURCH**  
Rev. Harold McGuire  
The Corner of N. US-27 and Roosevelt Hds.

Sunday School - 10:00 a.m.  
Morning Worship - 11:00 a.m.  
Sunday Evening - 6:00 p.m.  
Wednesday evening service 7:30 p.m.  
A church where everyone is welcome.

**FIRST CHURCH OF GOD**  
M-21 & DeWitt Rd.  
Rev. W. Jeff Webb, Pastor  
Phone: Church 224-7190  
Parsonage 224-2448

9:30 a.m. Sunday Morning Coffee & Fellowship Time  
9:45 a.m. Pre-Sunday School Quiet Time  
10:00 a.m. Sunday School  
11:00 a.m. Morning Worship  
6:30 p.m. - Sr. Choir Practice  
7:00 p.m. Evening Worship Discussion & Fellowship

**WESLEYAN HOLINESS CHURCH**  
130 W. Williams, Ovid  
Rev. Roger Helton, Pastor  
Nursery service for all children up to 2nd grade.

10 a.m. Sunday School  
11 a.m. Morning Worship  
6 p.m. Young People  
7 p.m. Evening Service  
7:15 p.m. Wednesday-Bible Study and Prayer  
A friendly church with a message for today.  
Bible Loving - Bible Believing - Bible Preaching

**REDEEMER UNITED METHODIST CHURCH**  
N. Bridge St.  
Ronald J. Thompson, Pastor

9:30 a.m. - Worship (nursery provided)  
10:30 a.m. - Coffee Fellowship (No Church School June-August)

**COMMUNITY OF ST. JUDE**  
Catholic Church  
Father Jerome Schmitt, Pastor  
801 N. Bridge

Daily Mass: Mon. and Thurs. 7:30 p.m.  
Tues. Wed. and Fri. 7:30 p.m.  
Sunday Mass: 9:00 and 11:15 a.m.

**EAST DEWITT BIBLE CHURCH**  
(Non-Denominational)  
Round Lake Road, 1/4 mile East of US-27  
Glen J. Farnham, Pastor

Sunday  
10 a.m. - Sunday School Classes for all ages  
11 a.m. - Morning Worship  
5:45 p.m. - Youth Fellowship, Senior, 14 and up, Jet Cadets, 10-13  
7 p.m. - Evening Service  
Wednesday  
7:30 p.m. - Bible Study and Prayer.  
Supervised nursery for babies and small children in all services.  
"An open door to an open book" - A Bible preaching church with a message for you.

**SOUTH HILEY BIBLE CHURCH**  
William Frier, Pastor  
Located 1/2 mile east of Francis Road on Chadwick Road

10 a.m. - Sunday School  
11 a.m. - Worship Service

**HOPE LUTHERAN CHURCH**  
308 W. Herbin Road  
DeWitt

Sunday School 9 a.m.  
Worship 10:30 a.m.

**ST. ANNE'S EPISCOPAL CHURCH**  
Corner US-27 and Webb Road  
Rev. Glenn V. Cathey, Jr., Vicar  
Residence 669-3067  
Church 669-3967

First & Third Sundays  
Morning Prayer 9 a.m.  
Second & Fourth Sundays  
Holy Communion 9 a.m.

**VALLEY FARMS BAPTIST CHURCH**  
214 E. State Rd.  
Lansing

9:45 a.m. Sunday School  
11:00 a.m. Morning Worship Service  
5:30 p.m. Youth Groups Beginning with the 4th Grade.  
Wednesday  
7:00 p.m. Evening Service  
7:00 p.m. Prayer Service

**SOUTH DEWITT CHURCH OF CHRIST**  
231 Herbin Road  
DeWitt High School  
- Minister: Dr. James Giridwood  
Tel. 669-5000 or 62-6006

9:30 a.m. Bible School  
10:30 a.m. Morning Worship  
Communion Weekly  
6:30 p.m. Youth Groups  
7:30 p.m. Evening Worship  
Wednesday  
7:30 p.m. Hour of Power: Prayer and Bible Study  
Thursday  
7:30 p.m. Calling Program

**FIRST BAPTIST CHURCH OF DEWITT, SBC**  
Rev. Jerry Cole, Pastor  
11066 DeWitt Rd.

Sunday School - 9:45 a.m.  
Morning Worship - 11:00 a.m.  
8 o'clock - Church Training  
7 o'clock Evening Worship  
Midweek Prayer Service 7:30. Youth fellowship 2nd & 4th Sunday at 6 o'clock.  
Join us in worship where "everybody is somebody and Christ is Lord."  
For more information call 669-9752 or write Box 306, DeWitt.

**PENNY FARM UNITED METHODIST CHURCH**  
Rev. Neil Bolinger, pastor  
155 E. State Rd.  
Phone 489-1705

9:30 a.m. - Sunday School  
11:00 a.m. - Morning Worship  
7:30 p.m. - Sunday evening Evangelistic  
Wednesday, 7:30 p.m. - Youth Service  
Thursday, 7:30 p.m. - Bible Study  
We cordially invite you to attend any or all of these services.  
Listen our international broadcast HARVESTIME Sunday morning at 10:30 a.m. WRBJ, 1580 on your dial.

**ST. PETER LUTHERAN CHURCH MISSOURI SYNOD**  
5175 miles west of St. Johns on M-21  
3 1/2 miles south on Francis Road  
2 1/2 miles west on Church Road  
Roger V. Helms, Pastor

8:00 a.m. - Worship  
10:30 a.m. - Worship  
9:15 a.m. - Sunday School and Bible Classes.  
Holy Communion first Sunday of the month at 9 a.m., third Sunday of the month at 10:30 p.m.

**ST. TERESA CATHOLIC CHURCH**  
Francis Frerking, Pastor  
and Lawrence Delaney  
Rectory: 102 W. Randolph, Lansing  
Phone 489-4051

Mass Schedule - Saturday: 7 p.m.; Sunday: 6, 8, 10, 12

**FAITH BAPTIST CHURCH**  
David J. Zimmer, pastor  
(one mile north of traffic light - Elsie)

Sunday  
Bible School 10:15 a.m.  
Morning Worship 11:00 a.m.  
Evening Worship 7:00 p.m.  
Wed. Prayer & Bible Study 7:00 p.m.

**DEWITT COMMUNITY CHURCH**  
(Inter-denominational)  
Muri J. Eastman, Pastor  
Jim McGovney, Sunday School Supt.  
Marge Pierson, Co-Supt.

9:45 a.m. - Church School  
11 a.m. - Church  
7 p.m. - Youth Fellowship  
7 p.m. - Sunday Evening Service  
7 p.m. - Wednesday Bible Study and Prayer Meeting

**WESLEYAN HOLINESS CHURCH**  
130 W. Williams, Ovid  
Rev. Roger Helton, Pastor  
Nursery service for all children up to 2nd grade.

Sunday School 10 a.m.  
Morning Worship 11 a.m.  
Evening Worship 7:30 p.m.

Thursday night Bible study in parsonage 7:30 p.m. Bring a question.

**THE UNITED CHURCH OF OVID**  
(Non-Denominational)  
Rev. Claude B. Ridley, Jr., Pastor

Worship Service - 10 a.m.  
Church School - 11 a.m.  
Nursery service for all children up to 2nd grade.

**OVID FIRST BAPTIST CHURCH**  
Main at Oak Street  
Rev. Earl C. Copell, Pastor

9:45 a.m. Church School, 11:00 a.m. Morning Worship  
Wednesday 7 p.m. Prayer and Bible Study 8 p.m. Senior Choir

**NEW HOPE FELLOWSHIP**  
"The church with Acts 20:30 vision!"  
109 N. Main St., Ovid  
Rev. Richard Gleason  
Church Phone 634-5950  
Parsonage Phone 634-2473

10:00 a.m. Sunday School  
11:00 a.m. Morning Worship  
7:00 p.m. Evening Worship  
7:30 p.m. Wednesday evening services for all age groups

**HOLY FAMILY CATHOLIC CHURCH**  
510 Marshall Road, Ovid  
Rev. Joseph J. Rubbin

11:00 a.m. Mass on Sunday  
7:00 p.m. Evening Mass on Wednesday  
Confessions 10:30 to 10:45 a.m. Sunday

**CALVARY BAPTIST CHURCH**  
Rev. Wayne Glaseman  
M-21 at Elsie Rd.

9:45 a.m. Sunday School  
11:00 a.m. Morning Worship  
7:00 p.m. Evening Worship  
7:00 p.m. Wednesday Prayer meeting

**ST. PAUL LUTHERAN CHURCH**  
Fowler  
H.E. Rossow, Pastor

9:30 a.m. Worship  
10:30 a.m. Sunday School & Bible Class

**MOST HOLY TRINITY CHURCH**  
Rev. Fr. Albert J. Schmitt, Pastor

Saturday Evening Mass - 4:30, 7:00 o'clock p.m.  
Sunday Masses 6:30, 8:30, 10:30 a.m.  
Holy Days - Holy Day Eve, 4:30 p.m. 7:00 o'clock p.m. Holy Day - 8:30 & 9:30 a.m.  
Sorrowful Mother Novena - During school year 7:30 p.m. Summer months 8:00 o'clock p.m.  
Sacrament of Penance - Saturdays 3:30 to 4:00 o'clock p.m. and after 7:00 o'clock p.m. mass.  
1st Fridays - Thursday from 11:00 a.m. to 12:00 p.m. 3:30 to 4:30 p.m. & 7:30 p.m. until all are heard.  
Baptism - Sundays at 12:30 p.m. by appointment. Other arrangements by appointment.

**ELSIE METHODIST CHURCH**  
Rev. David Lichtfeld, Minister

9:30 a.m. - Morning Worship  
10:30 a.m. - Sunday School, Supt. Marie Base

**DUPAIN METHODIST CHURCH**  
Rev. David Lichtfeld, Minister

10 a.m. - Sunday School, Supt. Kenneth Kiger  
11 a.m. - Worship Service

**FIRST BAPTIST CHURCH**

10 a.m. Sunday School  
11 a.m. Morning Worship  
6:30 p.m. Junior & Senior B.Y.F.  
7:00 p.m. Evening Service  
7:00 p.m. Wednesday, Junior and Senior Choir Practice  
7:30 p.m. Wednesday, Prayer and Bible Study

**DUPAIN CHURCH OF CHRIST**  
3 miles west Ovid - Elsie High School  
5668 E. Calvary Road  
Justin Shepard, Minister  
Bill Nicholson, Youth Minister

9:45 a.m. - Sunday School  
11 a.m. - Church  
8 p.m. - Youth fellowship and adult Bible Study  
7 p.m. - Evening Service  
7 p.m. - Wednesday - Prayer Meeting

**ST. CYRIL CATHOLIC CHURCH**  
Rev. Thomas M. Kowicz, Pastor  
P.O. Box 97, 517 E. Main St.  
Bannister 48807  
Phone: 883-8270

Sunday Liturgies: Saturday - 7:00 p.m. Sunday - 8:30 and 10:30 a.m. Holy Day Liturgies: 7:00 a.m. and 8:00 p.m.  
Confessions: One half hour before all Sunday Liturgies.

**EAGLE UNITED METHODIST CHURCH**  
Rev. Ray McBrain, Pastor  
Telephone 627-6533 or 459-3807

9:30 a.m. - Morning Worship  
10:30 a.m. - Church School  
7:30 p.m. - Wednesday, Bible Study and prayer meeting

**EAGLE FOURSQUARE CHURCH**  
Rev. and Mrs. Royal Burnett, Pastor

10:00 a.m. - Sunday School  
11:15 a.m. - Morning Worship  
7:30 p.m. - Wednesday Prayer meeting

**BATH UNITED METHODIST CHURCH**  
Rev. Clarence Keith

9:45 a.m. Church School  
11:00 a.m. Church  
7:00 p.m. Bible Study

**BATH BAPTIST CHURCH**  
Rev. Richard Cole, Pastor

11:00 a.m. Morning Worship  
7:30 p.m. Evening Service,  
Midweek Service on Wednesday 7:30 p.m.

**REORGANIZED CHURCH OF JESUS CHRIST OF LATTER DAY SAINTS**  
Corner Upton Rd. & Skoll Rd.  
Elder R. Premoe

Sunday School - 10 a.m. Preaching Service 11 a.m.  
Choir Practice - Wednesday 6:30 p.m.  
Mid-Week Prayer Service - Wednesday 7:30 p.m.  
Everyone welcome

**FULTON FULL GOSPEL CHURCH**  
1/2 mile east of Perrinton on M-57  
1/2 mile south  
Rev. Lynn Shunk, Pastor

9:45 a.m. - Sunday School  
11:00 a.m. - Morning Worship  
7:00 p.m. - Youth Service 7:45 p.m. - Evening Service  
7:45 p.m. - Thursday, Prayer and praise service

**GROVE BIBLE CHURCH**  
Rev. Robert Prange, Pastor  
Price and Shepardsville Roads

10:00 a.m. - Sunday School, Classes for all ages  
11:00 a.m. - Morning Worship  
6:30 p.m. - Young People  
7:30 p.m. - Evening Service  
7:30 p.m. - Wednesday, prayer meeting  
Ladies Missionary Circle meets 4th Thursday  
Couples Club meets 4th Saturday in month

**ST. JOSEPH'S CATHOLIC CHURCH**  
Pewamo, Michigan  
Rt. Rev. Msgr. Thomas A. Baiger, MA  
Pastor

Daily Mass - 7:30 a.m.  
Saturday 4:30 p.m. & 7:45 p.m.  
Sunday 9:00 a.m. & 10:00 a.m.  
Holy Baptism - Sunday, 1 p.m.  
Sacred Confession - Saturday, 3:30 and 7:30 p.m.  
Family Holy Hour for Peace - Saturday, 7:15 p.m.

**UNITED METHODIST CHURCH**  
Pewamo, Michigan  
Rev. Richard Strail

Sunday: 9:30 a.m. Morning Worship 7:00 p.m. United Methodist Youth Fellowship Sunday School Classes 10:45 a.m.

**ST. JOSEPH'S CATHOLIC CHURCH**  
Pewamo, Michigan  
Rt. Rev. Msgr. Thomas A. Baiger, MA  
Pastor

Daily Mass - 7:30 a.m.  
Saturday 4:30 p.m. & 7:45 p.m.  
Sunday 9:00 a.m. & 10:00 a.m.  
Holy Baptism - Sunday, 1 p.m.  
Sacred Confession - Saturday, 3:30 and 7:30 p.m.  
Family Holy Hour for Peace - Saturday, 7:15 p.m.

**GUNNISONVILLE UNITED METHODIST CHURCH**  
Clark and Wood Roads  
Rev. Paul Schiebner, Minister

9:30 a.m. Church Service  
10:45 a.m. Sunday School

**Westphalia Area**

**ST. MARY'S CHURCH**  
Westphalia  
Rev. Father James Schmitt  
Rev. James J. Schmitt, Administrator  
Phone 587-4201

Saturday Night Masses: 4:30 & 7:00 p.m.  
Sunday Morning 8:00, 8:00, 10:00.  
Weekdays Monday & Friday 7:15 & 11:20 a.m.  
Tues. & Thurs. 7:15 & 8:30 a.m.  
Wednesday 7:15 & 7:30 p.m.  
Holy Days 5:30, 7:15 & 11:20 a.m. 7:30 p.m.  
Wednesday Evening Mass 7:30 p.m.

**Maple Rapids Area**

**THE UNITED METHODIST CHURCH**  
Maple Rapids  
Pastor Rev. J. Thomas Churn  
Parsonage - Middleton  
Phone 226-7742

Sunday  
9:30 a.m. Worship Service  
10:30 a.m. Sunday School

Tuesday  
7:00 p.m. Senior Choir Practice Wednesday 2nd Wednesday each month  
7:00 p.m. W.S.C.S.  
Thursday  
10:00 Bible Study

**GREENBUSH UNITED METHODIST CHURCH**  
Scott and Marshall Roads  
Pastor - Norman Wood

Sunday,  
10:00 a.m. Church School  
11:00 a.m. Church Services  
10:00 a.m. Bible Study  
U.M.W. 4th Wednesday at 8 p.m.

**LOWE UNITED METHODIST CHURCH**  
Corner of Love & N. Lowe Road  
Across from the Essex School  
Pastor: Harold McGuire

Sunday  
9:45 a.m. Sunday School  
11:00 a.m. Church  
7:00 p.m. 1st & 3rd Week M.Y.F.  
Tuesday,  
10:00 a.m. Wednesday,  
7:30 p.m. Prayer, Study Group  
8:00 p.m. Choral Practice

**ATTEND CH CH WITH US**  
SOMETHING MISSING? MAYBE, U R I  
EVERYONE IS WELCOME

**CONGREGATIONAL CHRISTIAN CHURCH**  
4105 Maple Ave., Maple Rapids  
Rev. Hector Goodall - Pastor  
Phone 682-4165

10 a.m. - Morning Worship  
11 a.m. - Church School  
7 p.m. - Song Festival (Everyone welcome)

Wed. Night 8:30 & 7:30 choir practices  
Thurs. Night 8 p.m. Fellowship Service

**Eureka Area**

**CONGREGATIONAL CHRISTIAN CHURCH**  
2619 E. Maple Rapids Rd.  
Doug M. Jones, Pastor  
Phone 224-7709

Sunday  
10 a.m. - Sunday School for everyone  
11 a.m. - Morning Worship  
Wednesday  
6:30 p.m. - Junior Choir  
7:00 p.m. - Senior Choir  
7:30 p.m. - Bible Study  
8:30 p.m. - Prayer Service  
Nursery provided for all services.

**MATHERTON COMMUNITY CHURCH**

2:00 p.m. - Sunday School  
3:00 p.m. - Worship Service

**Wacousta Area**

**WACOUSTA COMMUNITY UNITED METHODIST CHURCH**  
Rev. Edward F. Oles, pastor  
Phone 626-6623

Morning Worship: 10 a.m.  
Church School Classes 11:15 a.m.  
Jr. and Sr. H.V.F. 6:00 p.m.  
Cherub Choir, Wednesday 3:45 p.m.  
Youth Choir, Thursday 6:45 p.m.  
Chancel Choir, Thursday 7:30 p.m.  
WCS Noon Meetings every 2nd Wednesday  
WXYZ Noon Meetings every 1st Wednesday  
Council on Ministries every 2nd Wednesday at 7:30  
Administrative Board, 4th Monday of every 3rd month.

**Victor Township**

**GROVE BIBLE CHURCH**  
Rev. Robert Prange, Pastor  
Price and Shepardsville Roads

10:00 a.m. - Sunday School, Classes for all ages  
11:00 a.m. - Morning Worship  
6:30 p.m. - Young People  
7:30 p.m. - Evening Service  
7:30 p.m. - Wednesday, prayer meeting  
Ladies Missionary Circle meets 4th Thursday  
Couples Club meets 4th Saturday in month

**Kimberly Church of Christ**  
107 Kimberly Drive  
Lansing, Michigan  
John Halls

11 a.m. - Morning Worship  
10 a.m. - Bible Study  
6 p.m. - Evening Worship  
Midweek service 7:30 p.m. Wednesday night

**Lansing**

**KIMBERLY CHURCH OF CHRIST**  
107 Kimberly Drive  
Lansing, Michigan  
John Halls

11 a.m. - Morning Worship  
10 a.m. - Bible Study  
6 p.m. - Evening Worship  
Midweek service 7:30 p.m. Wednesday night

**Gunnisonville Area**

**GUNNISONVILLE UNITED METHODIST CHURCH**  
Clark and Wood Roads  
Rev. Paul Schiebner, Minister

9:30 a.m. Church Service  
10:45 a.m. Sunday School

**Westphalia Area**

**ST. MARY'S CHURCH**  
Westphalia  
Rev. Father James Schmitt  
Rev. James J. Schmitt, Administrator  
Phone 587-4201

Saturday Night Masses: 4:30 & 7:00 p.m.  
Sunday Morning 8:00, 8:00, 10:00.  
Weekdays Monday & Friday 7:15 & 11:20 a.m.  
Tues. & Thurs. 7:15 & 8:30 a.m.  
Wednesday 7:15 & 7:30 p.m.  
Holy Days 5:30, 7:15 & 11:20 a.m. 7:30 p.m.  
Wednesday Evening Mass 7:30 p.m.

**Maple Rapids Area**

**THE UNITED METHODIST CHURCH**  
Maple Rapids  
Pastor Rev. J. Thomas Churn  
Parsonage - Middleton  
Phone 226-7742

Sunday  
9:30 a.m. Worship Service  
10:30 a.m. Sunday School

Tuesday  
7:00 p.m. Senior Choir Practice Wednesday 2nd Wednesday each month  
7:00 p.m. W.S.C.S.  
Thursday  
10:00 Bible Study

**GREENBUSH UNITED METHODIST CHURCH**  
Scott and Marshall Roads  
Pastor - Norman Wood

Sunday,  
10:00 a.m. Church School  
11:00 a.m. Church Services  
10:00 a.m. Bible Study  
U.M.W. 4th Wednesday at 8 p.m.

**LOWE UNITED METHODIST CHURCH**  
Corner of Love & N. Lowe Road  
Across from the Essex School  
Pastor: Harold McGuire

Sunday  
9:45 a.m. Sunday School  
11:00 a.m. Church  
7:00 p.m. 1st & 3rd Week M.Y.F.  
Tuesday,  
10:00 a.m. Wednesday,  
7:30 p.m. Prayer, Study Group  
8:00 p.m. Choral Practice

**ATTEND CH CH WITH US**  
SOMETHING MISSING? MAYBE, U R I  
EVERYONE IS WELCOME

# "Spirited Women" theme of Catholic confab

"Spirited Women" is the theme of the 20th Bi-centennial Conference of the Lansing Diocesan Council of Catholic Women which will be held April 6 and 7 at the Sheraton Motor Inn in Flint.

Council president, Mrs. George Michalek, extends a warm welcome and urges all women to attend. Highlights of the Conference will be a Mass on April 6 celebrated by Most Rev. Kenneth Povish, Bishop of the Lansing Diocese, preceding his keynote address at the dinner after Mass. Reception will follow. On April 7, Mrs. Elizabeth MacDonald, board member of Winning Women, Inc. will speak

at the luncheon. Outstanding woman of the year award will be given and new officers elected during the Conference will be installed.

Several interesting and informed persons have been scheduled to speak at the workshops to be held during the two days of activities.

All are welcome to attend. Registration fee of \$25 includes meals and overnight accommodations at the Sheraton Motor Inn. Make checks payable to Lansing Diocesan Council of Catholic Women. Reservations should be in by April 1 if possible to Mrs. Donald Rourke, 3918 Clairmont, Flint, Mich. 48504. Telephone (313) 32



LET KROGER

# Mini-Mize

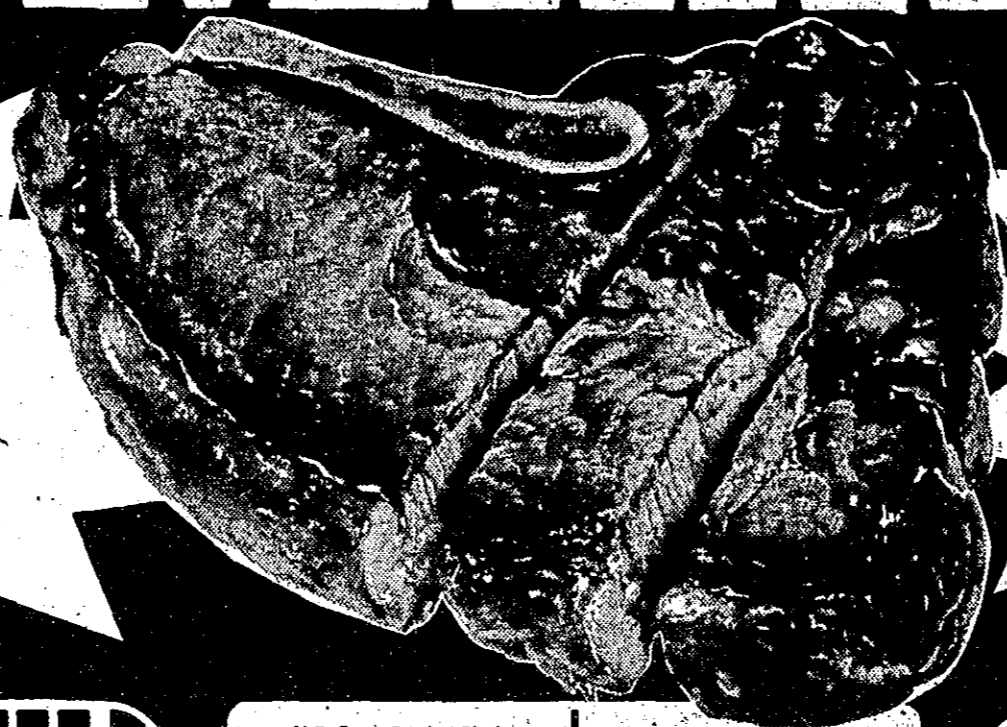
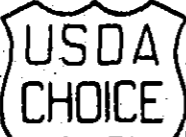
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EXCEPT BEER, WINE & CIGARETTES & OTHER COUPONS WITH PURCHASE REQUIREMENTS

**LIMIT ONE COUPON PER FAMILY**

Prices Good Mon., Mar. 29 Thru Sun., Apr. 4, 1976. Subject To Applicable State & Local Taxes.

Save up to **70c**

KROGER MINI-MIZER COUPON

Kroger

**COTTAGE CHEESE**

**55**<sup>c</sup>

1 1/2-Lb Carton

Limit 1 With Coupon & \$5 Additional Purchase

EXCEPT BEER, WINE & CIGARETTES & OTHER COUPONS WITH PURCHASE REQUIREMENTS

**LIMIT ONE COUPON PER FAMILY**

Prices Good Mon., Mar. 29 Thru Sun., Apr. 4, 1976. Subject To Applicable State & Local Taxes.

Save up to **54c**

KROGER MINI-MIZER COUPON

Plain Or Iodized

**MORTON SALT**

**5**<sup>c</sup>

1-Lb 10-Oz Box

Limit 1 With Coupon & \$5 Additional Purchase

EXCEPT BEER, WINE & CIGARETTES & OTHER COUPONS WITH PURCHASE REQUIREMENTS

**LIMIT ONE COUPON PER FAMILY**

Prices Good Mon., Mar. 29 Thru Sun., Apr. 4, 1976. Subject To Applicable State & Local Taxes.

Save **10c**

U.S. Gov't Graded Choice Beef Loin Tailless

**T-BONE STEAK**

**\$1.68**

Lb

U.S. Gov't Graded Choice Beef Round

**TOP ROUND STEAK OR ROAST**

**\$1.38**

Lb

Holly Farms

**COMBO PACK PICK O CHICK**

**88**<sup>c</sup>

Lb

U.S. Gov't Graded Choice

**SIRLOIN TIP ROAST**

**\$1.38**

Lb

U.S. Gov't Graded Good Beef Chuck Shoulder

**ARM POT ROAST**

**\$1.18**

Lb

Kroger

**LIVER SAUSAGE**

**58**<sup>c</sup>

Lb

Mild Green Onions

**10**<sup>c</sup>

Bunch

California Seedless

**Navel Oranges**

**79**<sup>c</sup>

12 For

Fresh Tender Broccoli

**38**<sup>c</sup>

KROGER MINI-MIZER COUPON

Kroger Grade A

**LARGE EGGS**

**\$1.48**

2 1/2 Doz Ctn

Limit 1 With Coupon & \$5 Additional Purchase

EXCEPT BEER, WINE & CIGARETTES & OTHER COUPONS WITH PURCHASE REQUIREMENTS

**LIMIT ONE COUPON PER FAMILY**

Prices Good Mon., Mar. 29 Thru Sun., Apr. 4, 1976. Subject To Applicable State & Local Taxes.

Save up to **21c**

KROGER MINI-MIZER COUPON

U.S. No. 1 Genuine

**IDAHO POTATOES**

**\$1.99**

15 Lb Bag

Limit 3 With Coupon & \$5 Additional Purchase

EXCEPT BEER, WINE & CIGARETTES & OTHER COUPONS WITH PURCHASE REQUIREMENTS

**LIMIT ONE COUPON PER FAMILY**

Prices Good Mon., Mar. 29 Thru Sun., Apr. 4, 1976. Subject To Applicable State & Local Taxes.

Save up to **\$2.10**

KROGER MINI-MIZER COUPON

Kroger Meat Or

**BEEF WIENERS**

**78**<sup>c</sup>

1-Lb Pkg

Limit 4 With Coupon & \$5 Additional Purchase

EXCEPT BEER, WINE & CIGARETTES & OTHER COUPONS WITH PURCHASE REQUIREMENTS

**LIMIT ONE COUPON PER FAMILY**

Prices Good Mon., Mar. 29 Thru Sun., Apr. 4, 1976. Subject To Applicable State & Local Taxes.

Save up to **\$1.64**

Kroger Sandwich Or  
**WIENER ROLLS**

**3**<sup>\$1</sup>

8-Ct Pkgs

In Quarters  
**CHIFFON LITE SPREAD**

1-Lb Pkg

**29**<sup>c</sup>

Contadina Round  
**PEELED TOMATOES**

1-Lb 12-Oz Can

**39**<sup>c</sup>

Assorted Flavors  
**KROGER GELATIN**

3-Oz Wt Pkg

**14**<sup>c</sup>

Kroger  
**MAGARONI & CHEESE DINNER**

7 1/2-Oz Wt Pkg

**22**<sup>c</sup>

Sausage, Pepperoni, Hamburger  
**TONY'S PIZZA**

14-Oz Wt Pkg

**1**<sup>29</sup>

White Or Assorted Colors  
**FLEECE JUMBO TOWELS**

Roll

**43**<sup>c</sup>

Frozen Apples, Cherry, Blueberry  
**ORCHARD HILL FRUIT PIES**

8-Oz Wt Pkgs

**4**<sup>\$1</sup>

Kroger Frozen  
**WHIPPED TOPPING**

9-Oz Wt Ctn

**43**<sup>c</sup>

In Quarters  
**GLOVER VALLEY MARGARINE**

1-Lb Pkg

**29**<sup>c</sup>

**MOST STORES OPEN 24 HOURS FOR YOUR SHOPPING CONVENIENCE!**

# IT PAYS TO ADVERTISE... ADVERTISE WHERE IT PAYS...

# the market place

Call **224-2361** NOW!

**Help Wanted** 1

**REGISTERED NURSES**  
Full and part-time positions available in modern 100-bed acute care hospital in mid-Michigan. Nearby both recreational and educational facilities. Starting rate \$12,250.00 annually. Relocation assistance available. Personnel Director, Carson City Hospital, Elm at Third St., Carson City Michigan 48811. (517) 584-3131 Ext. 286. 49-3-p-1

**HELP WANTED** — The 46th Military Police Co. has openings for Veterans, high school graduates, high school seniors. Earn \$48.00 - \$100.00 per month, part time. (1 weekend a month) You can earn college credits from LCC by Michigan National Guard membership, no experience necessary, will train. An Equal Opportunity Employer. Call today, 373-0686, 8-5 weekdays. 49-1-p-1

**HELP WANTED** — Quality auto body repairman, painter and estimator. Salary plus commission. Only those with experience need apply in person to M-57 Auto Body, Perrinton. 47-3-p-1

**MEDICAL TECHNOLOGIST** M.T. (ASCP) or eligible for full-time position needed for modern 114-bed acute care hospital located in lovely rural setting. Excellent salary and growth potential. Liberal fringe benefits, paid health insurance, vacation, sick days, and plan. Contact: Director of Personnel, Carson City Hospital, Elm at Third St., Carson City, Michigan 48811. (517) 584-3131 Ext. 286. 49-3-p-1

**Real Estate** 4

**FOR SALE** — Duplex in Fowler, 3-bedrooms each, full basement. Phone 593-3654 or 669-9672. 49-3-p-4

**FOR SALE** — FARM LAND — Must sell to settle estate. 104.5 acres located between St. Johns and Lansing, 80 acres tillable with tile and more than 1/2 mile frontage on DeWitt Road, and also approximately 35 rods on Centerline Road. Asking \$90,000. Ph. 593-2153. 49-3-p-4

**HOMES FOR SALE** — We have 2 homes for sale - due to transfer of owners. One 3-bedroom Chalet with garage ready to move into. Secondly, we have a 2-bedroom with attached garage and nicely landscaped. We also have a few lots for resale. Baslick Properties Inc. Broker. P. O. Box 195 Perrinton, Michigan 48871. Phone 517-682-4071. 47-3-p-4

**MIDDLETON** — 3 bedroom home, attached 2-car garage on large corner lot. Call 236-5123 for appointment. 36-tf-4

**LAND CONTRACTS** — To sell seller's interest, write or call, LaNoble Realty Co., 1516 East Michigan Ave., Lansing, Michigan 48912. Phone (517) 482-1637. Phone (517) 482-1637. 38-tf-4

**For Rent** 6

**FOR RENT** — Furnished efficiency apartment with all utilities paid. Separate unit, single adults only, no pets. South on US-27. 224-7740. 48-3-p-6

**FOR RENT** — 1 bedroom furnished apartment, carpeted, garbage disposal, etc. Deposit required. 224-7179. 48-3-p-6

**Mobile Homes** 10

**WANTED** — Cash for used Mobile Homes 1970 & over. R & H MOBILE HOMES 489-7888. 30-tf-10

**Automotive** 11

**FOR SALE** — 2 Keystone rogue wheels with G60 Daytona tires, \$125.00. 224-4532. 49-3-p-11

**FOR SALE** — 1973 PICKUP CHEVROLET, 3/4 ton, financing available, 1112 N. Meridian Rd. Ovid, 834-5242. 48-3-p-11

**FOR SALE** — 1970 Oldsmobile 98. Power steering, brakes, seats, windows, air conditioning, damaged fender and trunk. Reasonable, call 224-7051 after 6. 46-tf-11

**Motorcycles** 12

**MOTORCYCLE OWNERS** — For good rates, fair and fast claim service, purchase your

**WANT ADS**

**ONLY 6¢ PER WORD**

(MINIMUM 10 WORDS)  
**3 WEEKS INSERTION FOR THE PRICE OF 2**

**DISPLAY-CLASSIFIED**  
\$2.00 COL. INCH  
**PHONE 224-2361**

... OR MAIL TO  
Clinton County News  
120 East Walker St.  
St. Johns, Mich. 48879

**DEADLINE:**  
EACH MONDAY  
1 P.M.

insurance from Reed Agency,  
108 W. Main St. in DeWitt.  
Phone 669-7604. 49-1-f-12

**Farm Machinery** 18

**HUGE SAVINGS** — Plowshares, Disc Blades, Spikes, Cultivator Shovels, Shins, Sweeps to fit Kongskilde. Write for price list to TUPES, Dept. 132 Box 3246, Saginaw, Michigan 48605. 49-1-p-18

**Cattle** 21

**FOR SALE** — 13 head of cattle, 600-700 lbs. 855-2027. 48-3-p-21

**FOR SALE** — 24 Holstein Dairy Cows. All cows from M.A.B.C. and A.B.S. stock. Have been Bangs and TB tested. Prefer to sell as a herd. Phone 517-463-5857. 48-3-p-21

**SPECIAL SPRING FEEDER CATTLE SALE**, Friday April 2, Friday, May 7, 1 p.m. sharp. MICHIGAN LIVESTOCK EXCHANGE, ST. LOUIS, MICH. 681-2191. 48-2-p-21

**Poultry** 22

**NOW BOOKING** orders and hatching Jumbo White Rocks and Hot Shot Reds. Call 681-2495. RAINBOW TRAIL HATCHERY, ST. LOUIS, MICHIGAN. 44-tf-22

**Miscellaneous** 27

**SHADE TREES** — White Birch and sugar maple, 3 to 5 ft., \$1.50. Evergreens, flowering shrubs, grape vines, berry plants, rhubarb and asparagus roots. Largest selection in central Michigan. Big 36th anniversary sale. Bargain prices. FOERCH NURSERY, 2 miles north of Shepardsville. 49-3-p-27

**THINK SPRING** For a Beautiful Lawn next summer, fertilize now. Lawn Fertilizer Sale March 17-April 18. ST. JOHNS CO-OP. 47-3-p-27

**Wanted**

**Miscellaneous** 28

**TIMBER WANTED** — Logs and standing timber. Logs delivered to our yard. DEVEREAUX SAWMILL, INC., 2872 N. Hubbardston Rd., Pawama, Mich. Phone 593-2424 and/or 593-2552. 40-tf-28

**WANTED** — BABY SITTING in my licensed home. Contact Ione Whitney at 710 E. Higham, St. Johns. 48-3-p-28

**CEDARPOSTS**

Cut To Any Size  
Minimum Delivery — 400  
**517-426-8590**

In answer to your question...  
**YES, we PAY 5%**

Daily Interest on Savings  
**CENTRAL NATIONAL BANK**

St. Johns - Ovid  
Southgate - Pawama  
49-1-p-30

**Notice** 29

**CUSTOM BUTCHERING AND PROCESSING**, by appointment. We butcher on Wednesdays and Fridays. Beef, Pork, Halves and quarters, also retail cuts. All meats MDA inspected. Vaughn's Meat Processing, West City Limits on Bussell Rd. just off M-57, Carson City. Phone 584-6640.

**FRESH MAPLE SYRUP** — Gals. 1/2 gals., qts., pints in stock. Livingston Farms, 2224 Livingston Rd., St. Johns Phone 224-3616. 49-tf-p-29

**BINGO** — Holy Family Church, 510 Mabbitt Rd., Ovid. Mondays 7 p.m. 16-tf-29

**AM LOOKING FOR ALL KINDS OF POSTCARDS**, especially old ones, if you have any to sell please contact the **POSTCARD LADY** 224-2361 days or 224-7051 evenings. 14-tf-dh-29

**FOR SALE** — Parts for all electric shavers. Levey's Jewelry, Elsie. 1-tf-29

**GENERATORS AND P.T.O. ALTERNATORS** — Special clearance prices to qualified buyers. Don't get caught without electricity again. 10% over cost, all units in stock. Phone (517) 669-9997, ask for Henry or Rudy. 49-tf-29

**CLINTON COUNTY WALLACE SUPPORTERS WE NEED YOUR HELP**. Please write or call (by April 5) 10th District Headquarters, 440 Corunna Ave., Owosso 48867 (517) 725-6104. 49-1-p-29

**FOR ALL AUCTION NEEDS** — contact **THELEN AUCTION SERVICE**. Call 593-3426. 20-32-p-29

**Card of Thanks** 30

**HYLER** — I want to thank Dr. Grost, Dr. Stephenson, nurses, nurses aids for the wonderful care that I received while I was in the Clinton Memorial Hospital. Also, friends and relatives for the flowers and cards I received while there. They were greatly appreciated. Thank all of you again. Mitchell Hyler 49-1-p-30

**WIRTH** — I wish to thank Frs. Schmitt, Bahan and Fox, the doctors at Fowler Clinic, Dr. Wortman and nurses at Carson City Hospital for the good care I received. Many thanks to my family, relatives and friends for flowers, cards, visits and prayers while there and since my return home. Louis G. Wirth 49-1-p-30

**BANCROFT** — I wish to express my sincere appreciation and "thanks" to Mr. and Mrs. Jack Croad, David and Cheryl, who gave me such a lovely open house for my retirement from the Post Office. Also to the many friends and relatives for the beautiful cards and gifts. To Helen Howe for the lovely cake. A special "thank you" to "Al Capone & Spouse" and the "Heckler". To my husband Wilbur and our three sons and families, and our granddaughters Judy, Lori, Julie and Cindy, who helped serve. Thank you, without all your help and consideration through the years, the job would not have been such a pleasure. To Mr. and Mrs. Carl Ball for the noon time hospitality each day and to all the patrons for putting up with my off moments and your many acts of kindness through the years. A heartfelt and sincere thank you and may God bless you all. Velma L. Bancroft 49-1-p-30

**STEVENS** — We wish to express our sincere thanks to all who helped in any way during the loss of our mother, Dr. Stephenson, Dr. Grost, Nurses and Aides at Clinton Memorial Hospital for their loving care, to Rev. Doug Jones, Rev. Averill Carson for their hospital calls and Rev. Paul Penno for his calls at the hospital and at home and for conducting the service. The Seventh-day Adventist Ladies for serving the meal, relatives, neighbors and friends for the flowers, cards, memorials and food that was sent to our homes. Your thoughtfulness will long be remembered. The family of Grace A. Stevens 49-1-p-30

**Radio & TV** 33

**MARK'S C.B. SALES** — Johnson, S.B.E. and Face. Complete accessories for the serious C-Bers. 201 W. Steel. 294-3787. 36-tf-33

**Probate Court**  
HON. TIMOTHY M. GREEN  
Judge of Probate  
HELENA M. BURK  
Register of Probate

Wednesday, April 7, 1976  
Olney B. Moore — Final Account  
Clyde Price — Prob. Will  
Louis Mayers — Prob. Will  
Orville Crowley — Claims & Heirs  
Paul W. Zell — Prob. Will  
Odessa Hess — Adm. & Heirs  
Frank W. Miller — Adm. & Heirs  
Leland H. Crum — Prob. Will

**Real Estate Transfers**  
(From records in office of Register of Deeds)

Mar. 16: Nobis, Edwin C. and Irene J. to Kenneth H. and Barbara A. Heibeck property in Sec. 1 Riley.

Mar. 16: Northey, Eva May to Lyle D. and Mildred G. Root Lot 68 Blk 6, Bath.

Mar. 16: Root, Lyle D. and Mildred G. to Ronald L. and Joyce E. Shipley Lot 6-8, Blk 6, Bath.

Mar. 16: Long Development, Inc. to Barry C. and Janet F. Brown Lot 54 Country Meadows.

Mar. 16: Clayton Corporation to Rick V. and Mary L. Schytte Lot 15 Ballantine's Wee Fms.

Mar. 16: Stoddard, Michael J. and Terri L. to Michael R. and Sally A. Moinet Lot 19-21, Blk 3, Avenue.

Mar. 16: Hill, Hubert C. and Valentine B. to Theodore S. and Carol A. Schon Lot 72 Clinton VIII.

Mar. 16: Hogle, Robert N. and M. Jean to Elwin J. and Barbara J. Charles property in Sec. 1 Bengal.

Mar. 16: Palmer, Arthur W. and Lillian R. to American Central Corporation Lot 29, Highland Hills.

Mar. 16: Lanterman, Paul W. and Ada E. to Michael James and Terri Lee Stoddard vac. alley Lot 9, 10, Blk 3, Brown's.

Mar. 17: Black, Marie L. to Richard S. and Sherry A. Ladisky 10-12-Blk 42, St. Johns.

Mar. 17: Lott, Leota; Lott, Ned to David L. and Sally J. Hicks property in Sec. 26 Westphalia.

Mar. 17: Carr, Delta M. to Richard J. and Linda S. Maliszewski Lot 40, Rose Sub. No. 2.

Mar. 17: Stahl, Robert D. and Carol A. to United States of America Lts. 24, 25, Blk 1, Avenue Add.

Mar. 18: Heebner, David L. and Cynthia A. to Robert A. and Mary Jane Loomis Lot 148, Geneva Shrs. No. 1.

Mar. 18: Arens, Theodore and Hildegard to Delbert and Joyce Thelen Lot 13, Blk 8 Westphalia.

Mar. 18: Wesseler, Forest W. and Dorothy; Wesseler, Owen W. and Emily to Ronald Guggemos; Larry L. Auge, Wesseler, Forest W. and Dorothy property in Sec. 16 Watertown.

Mar. 18: Wesseler, Owen W. and Emily to Ronald Guggemos, Larry L. Auge property in Sec. 16 Watertown.

Mar. 18: Wesseler, Forest W. and Dorothy; Wesseler, Owen W. and Emily; Larry L. Auge; Ronald Guggemos, Auge, Larry L. and Dianne K. property in Sec. 16 Watertown.

Mar. 18: Guggemos, Ronald L. and Marsha to Larry T. Schaefer Inc. property in Sec. 16 Watertown.

Mar. 18: Clements, Larry and Connie to Alma B. Butler Lot 42, Valley Farms No. 1.

Mar. 18: Pontz, Rita A.; Anderson, John Henry and Doris H. to Capitol Savings and Loan Lot 10, Parnahl Acres.

Mar. 19: Huntley, Glenwood M. and Janice H. to Jon W. and Ruth Addiss Lot 9-Lisa Hills.

Mar. 19: Addis, Jon W. and Ruth to Robert C. and Jane E. Schaible Lot 9, Lisa Hills.

Mar. 19: Lake, Melvin L. and Betty Lou to American Central Corporation Lot 137 Westchester Hls.

Mar. 19: Adagova, Tena to John H. and Mary Ellen Pitcher Lot 6, Culver's.

Mar. 19: Pitcher, John H. and Mary Ellen to Ray E. and Catherine A. Kolke Lot 6, Culver's.

Mar. 22: Taber, Carroll R. and Sharon M. to Claude E. Hopkins, Sr. property in Sec. 28 Bengal.

Mar. 22: Loring, David L. to Fedewa Builders, Inc. Lot 67, Rose Sub, No. 3.

Mar. 22: Curtis, Mizual J. to Milan J. and Gloria An McDiarmid property in Sec. 25 Victor.

Mar. 22: Hengesbach; Charles H. and Janet M. to Judson Dee and Joan Joyce Baricroft property in Sec. 22 Dallas.

serve a copy of William C. Mayers, Route 2, St. Johns, Michigan, 48879, prior to said hearing.

Dated: March 18, 1976.  
/s/William C. Mayers  
Petitioner  
Route 2  
St. Johns, Michigan 48879  
Attorney for Petitioner:  
Maples & Wood - Paul A. Maples  
306 North Clinton Avenue  
St. Johns, Mich. 48879  
Phone (517) 224-3238 48-1

**NOTICE OF MORTGAGE SALE ON FORECLOSURE BY ADVERTISEMENT**  
**NOTICE OF MORTGAGE SALE**

Default having been made in the conditions of a certain Mortgage made by Millbrook Meadows, Inc., of 316 Manchester, DeWitt, Michigan to Westphalia Builders & Supply Co., of 7200 South Grange Road, Westphalia, Michigan 48894 dated September 19th, 1974, and recorded in the office of the Register of Deeds for the County of Clinton and State of Michigan, on September 26th, 1974, in Liber 277 of Mortgages, on page 947, on which Mortgage there is claimed to be due at the date of this notice, for principal and interest, the sum of Thirty thousand eight hundred and eighty eight and 66/100 (\$30,818.66) Dollars, and no proceedings having been instituted to recover the debt now remaining secured by said Mortgage, or any part thereof, whereby the power of sale contained in said Mortgage has become operative;

Now Therefore, Notice is Hereby Given that by virtue of the power of sale contained in said Mortgage and in pursuance of the statute in such case made and provided, the said Mortgage will be foreclosed by a sale

Further, on June 16, 1976, at 9:30 A.M., in the Probate Courtroom, Courthouse, City of St. Johns, Michigan, before the HON. TIMOTHY M. GREEN, Judge of Probate, a hearing will be held on claims at which time all creditors of said deceased are required to prove their claims. Creditors must file sworn claims with the Court and

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**LEGAL NEWS**  
PUBLICATION OF NOTICE OF HEARING  
State of Michigan, The Probate Court for the County of CLINTON.  
Estate of LOUISE T. MAYERS, Deceased. File No. 19556.  
TAKE NOTICE: On April 7, 1976, at 9:30 A.M., in the Probate Courtroom, Courthouse, St. Johns, Michigan, before the Hon. TIMOTHY M. GREEN, Judge of Probate, a hearing will be held on claims at which time all creditors of said deceased are required to prove their claims. Creditors must file sworn claims with the Court and

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Estate of LOUISE T. MAYERS, Deceased. File No. 19556.  
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**LEGAL NEWS**

# Fifteen from DeWitt qualify for kid's regional wrestling tournament in Holt

Fifteen young DeWitt wrestlers qualified Saturday for next weekend's U.S. Kids Wrestling Federation Regional tournament at Holt.

All wrestled in the USKWF district tournament at Lansing Eastern High in 4 age brackets with some 450 other Lansing area matmen.

Of the 22 DeWitt boys who competed, the qualifiers were:

- Age 9-10
  - 65 lbs. Tom Henning 3rd
  - 70 lbs. Sam Dalman 1st
  - 75 lbs. Tom Pallick 1st
  - David McCassey 4th
- Age 11-12
  - 60 lbs. John Craig 1st
  - 90 lbs. Mark Ridge 4th
  - 95 lbs. Bill Cassell 1st
  - Mike Sicketles 4th
  - 100 lbs. Craig Hummel 3rd
  - 105 lbs. Steve Carr 3rd
  - 110 lbs. Troy Foland 1st
- Age 13-14
  - 100 lbs. Mark Keeper 3rd
  - 110 lbs. Mike Myszak 4th
  - 115 lbs. Mike Heskit 4th
  - 145 lbs. John Hummel 1st

## Bath Twp. gets sanitary sewer

About 18 months ago, Bath residents were supposed to have a new sanitary sewer system. Now, after much delay, at least part of the sewer system is ready for use.

owners, notifying them to pick up permits and begin connecting to the system. The entire Bath area system is ready for use but the Park Lake area system is not completed and officials have no idea when the Park Lake system will be ready.

Bath officials were notified by the Clinton Department of Public Works (DPW), which is constructing the Bath sewer system, that part of the system was ready for use and residents could begin hooking into the system.

"The entire Bath area can hook in," said Woodruff, who added, "That includes everything north of Chestnut Street except for a small piece on Webster, just north of Slate. Property owners on Clark Road from Webster east can also hook in."

According to Supervisor Thomas Woodruff, over 200 letters were sent out to property

## Business Association makes appointments

DEWITT -- Two DeWitt Business Association members were appointed last Wednesday to sit on a committee to represent the city of DeWitt in their anticipated fight against state restrictions barring angle parking.

missioner, announced the appointment of Dan Matson and Ray DeWitt to the Clinton County Economic Development Commission.

Appointed were Bill Wilson, manager of Union 76, and Ken Rahal, owner of the Shingle Shack.

It was announced that a beard growing contest will begin April 7 and run through July 1. Ken Rahal is chairman of the activity.

In other action at the association meeting, Roger Overway, county com-

Newly designed maps of the DeWitt vicinity are now ready for the public. They may be picked up at association members' businesses.

## Retired senior volunteers honored at luncheon

The Tri-County Retired Senior Volunteer Program (RSVP) will be honoring those RSVP participants who have contributed their time to various community agencies during a Recognition Day luncheon on Saturday, April 10 beginning at 12:30 p.m.

all of Eagle; John Baumgartner, Edith Fineout, Pauline Remer, Mary Welton and Mildred Wilson, all of St. Johns; Mildred Mae Miller of Bath; Helen Lowell of Francis Road, Lansing; and Cereta Kiger of Elsie.

At the luncheon, to be held at the Michigan National Guard Armory, seniors, agencies and individuals, especially supportive of the RSVP program will be recognized.

On the advisory council from Clinton County are Genevieve Drull, Earl Lancaster and Ruby Balduf.

Also, for the first time this year, the Carnation Community Service Award will be presented to an outstanding volunteer selected from nominations submitted by agencies volunteers serve.

The RSVP is a program for older persons to serve as volunteers in their communities. Senior volunteers are recruited in local neighborhoods to serve in local community agencies and programs meeting local needs.

Volunteers to be honored from Clinton County include: Ruby Balduf, Tone Pederson, and Clarence and Mary Sands,

The program is sponsored by the Lansing Young Women's Christian Association (YMCA) under a grant from the federal agency, ACTION.



## Faye Hanson, 'Dynamo' of DeWitt Bicentennial

By Shirley Karber Clinton Bicentennial Coordinator

DeWitt will be 143 years old this Oct. 4th, and citizens there will be combining their birthday with the nation's Bicentennial. The 'really big' event is scheduled for June 27 through July 3.

Faye Hanson, fondly referred to as the "Dynamo" behind the numerous programs, serves as chairman of the DeWitt Bicentennial Commission. Others on the commission include Eleanor McKinney, Marilyn Cain, Ralph Woodruff, Ted Powell, Larry Arbanus, Orla McGuire and Muri Eastman. They began preparations June 1, 1973.

So far the group has financed all the events on their own by fund raisers, or as Faye says, "On a shoestring, with faith and lots of hard work."

Historical markers will be

placed at the site of the first Clinton County public building, (which was a jail). The original bronze plaques from 1913 will be reset marking the area as the first white settlement on Bridge St. now the Courtland property; and the site of the first gristmill



and store in DeWitt in 1839. Road signs have been placed and the group has sponsored essay contests in the schools so the whole effort involves citizens of all ages. "We are asking the stores in town to clean up their windows and display old items during the week of the celebration," Faye said, "and all area churches and clubs will be participating in the events."

The week-long program is nearly finalized now and the following is a list of some of the activities people are asked to attend: June 27 - Ecumenical Church Service at the football field, with all 10 area churches participating. A national guest speaker will attend and there will be a special music and choral works performed at 7:30 p.m. June 28 - An actual City Council meeting will be held at the football field, and all former mayors will be guests of honor. The students winning the essay contest will read their entries. June 29 - Is old-fashioned sports night. There will be a sack race, greased pig contest, horseshoe pitching, etc. All are asked to participate if they want to.

June 30 - A 200 voice concert at the football stadium will present the "History of Music With Commentary." Some of the songs include, "Let There Be Peace On Earth," and "Everything is Beautiful." Phylis Winter is serving as director and Janet Lowe, pianist.

July 1 - Senior Citizens Night - will see square dancing, story telling and a fiddling contest. July 2 - A Bicentennial Ball will be held on the tennis courts at McGuire Park beginning at 8 p.m. Bob Masacek, director of music at the Middle School, will be in charge of music, and it's a B.Y.O.B.

July 3 - "An Old-fashioned 4th of July Celebration," taken from 1876 ads. Everyone will be awakened at dawn with the pounding of anvils, and then go to the V.F.W. Hall for a pancake breakfast. A huge parade will start at 10:30 a.m. and a prize of \$100 will be awarded to the best float entered. Mayor Muri Eastman will read the Declaration of Independence from the main four corners, as it was done years ago. Later the Musket Leaders Club of Eaton Rapids will have a demonstration. The DeWitt Fire Department will have a tug of war across the river with other fire departments from the county. If it works out, as in the past, Faye says, "Somebody is going to get wet."

Homemade ice cream and lemonade will be served and they will have strolling singers, and a square dancing exhibition.

"Everyone come," is the word from the proud citizens of DeWitt. On Sunday, July 4th the day was left free of activities so that each family could attend church and visit with families.

### The New Michigan "turn-on-red" Law

Michigan's turn-on-red-light law effective March 31 permits motorists always to turn right but left only onto one-way streets, unless prohibited by signing. Before turning either direction, motorists first must make a complete stop, be sure traffic is clear and yield to pedestrians. The first two drawings demonstrate the proper procedure for right and left-hand turns at red lights. Michigan's turn-on-red-light law does not require motorists to do so unless in a designated turn lane. If stopped behind a non-turning motorist at an intersection as demonstrated in the third drawing, be courteous since horn-blowing only results in confusion. The greatest concentration of pedestrians likely to forget about the new law will be found along school routes and at bus stops. The final drawing shows that motorists must employ extra vigilance at intersections used by school children. Automobile Club of Michigan reminds that pedestrians also must be aware of the new law and remember to look in all directions before stepping from the curb.

## Schedule water quality workshop

Over 200 elected officials and businessmen in the Tri-County region will get their first exposure to water quality management planning in an all-day workshop April 7 at the Kellogg Center, Michigan State University.

Federal Water Pollution Control Act.

Under the law, plan implementation is guaranteed. The law also calls for extensive citizen involvement throughout the planning process. Because water pollution and the clean-up plan have a direct affect on people's lives, several civic and educational groups approached the Tri-County Regional Planning Commission (TCRPC) about organizing a workshop to encourage public participation. Sponsors include the League of Women Voters, Lansing Jaycees, The State Journal, Lansing Regional Chamber of Commerce, Michigan Townships Association, Lansing Community College, and Michigan State University.

Potential sources of pollution are everywhere - industrial wastes, sewage effluent, lawn fertilizers, construction projects, animal feed lots, landfills, and rainstorm runoff. Besides identifying and resolving water pollution

problems, the plan will also stress water resource management.

How the plan will be implemented, by whom and the cost is something the public can help determine.

In March, the TCRPC was designated by Governor Milliken as the water quality planning agency for Clinton, Eaton and Ingham counties.

Under a two-year \$704,000 grant from the Environmental Protection Agency, TCRPC must create a clean water management plan by the summer of 1977.

The plan will strive to reach the nationwide goal of the clean water legislation - swimmable and fishable water in every major metropolitan area by 1983.

## Receives masters degree in criminal justice

A master of science degree in criminal justice was conferred on Ronald B. Lyon, of 9708 Bond Road, DeWitt, at the M.S.U. Auditorium on March 13.

Lyon is a 1962 graduate of Rodney B. Wilson High School. After serving 3 years in the U.S. Army, he joined the Lansing Police Department where he now serves as Planning and Research Officer. In 1972, he received an associate degree, Cum Laude, in business from Lansing Community College and in 1973, he received a bachelor of science degree, with honors, in Criminal Justice from Michigan State University.

In 1974, he was certified as a Law Enforcement Training Council instructor and has served in this capacity at LCC and the Mid-Michigan Police Academy on a part time basis. He has had articles published in the "Michigan Police Officer" and he is a member of the Fraternal Order of Police, Michigan Professional Police Association, Alpha Phi Sigma National Police Honorary Society, M.S.U. Alumni Association, and the M.S.U. Criminal Justice Alumni Association.

He is married to the former Adella Schoals. They have three children, Timothy, 8, Annette, 6, and Christopher, 2.

## DeWitt Child Study Club hosts state meeting

DEWITT-The DeWitt Child Study Club will host a state-wide meeting of Child Study Clubs this Saturday.

The meeting is the spring planning meeting of the organization and will be held at DeWitt High School from 8:15 a.m. until 4 p.m.

Registration begins at 8:15. A luncheon will be served.

IT PAYS TO ADVERTISE...

# WANT ADS!

## CLUBROMA ROUND LAKE

Friday, April 2  
**LOU KOBUS**  
No Cover Charge

Saturday, April 3  
**ANNETTE & THE KEYNOTES**  
9:30 - 1:30

Sunday, April 4  
**KIDNEY BENEFIT DANCE**  
8 BANDS - CONTINUOUS MUSIC  
2 - Till.....

FOR RESERVATIONS CALL 651-5308



This is the 1909 South Riley baseball team. They were very seldom defeated. In the back row from left to right are: Eddie Ward, Earl Farrier. Middle row: Glen Ward, Kenneth Cutler, Glen Miller and Bert Farrier. Front row: Lee Dassel, Earl Wright and Harry Smith. This picture was loaned to us by Kenneth Cutler's daughter, Virginia Ackerman.

## NOTICE FOR BIDS FROM THE CITY OF DEWITT

Sealed bids wanted on a 1963 International Dump Truck, as is, good for parts and two Army Truck boxes or racks, good for trailers.

Bids to be opened April 5, 1976 at 8:00 P.M. at the regular city council meeting at 414 E. Main Street.

The City of DeWitt reserves the right to accept or reject any or all bids.

Signed  
Ella Mae Terpenning,  
City Clerk  
City of DeWitt, Michigan 48820.

COMPLETE BODY-WORK AND GLASS REPLACEMENT  
**BOB'S AUTO BODY, INC.**  
809 N. Lansing Phone 224-2921

# DEWITT BUSINESS DIRECTORY

THIS NEWS PAGE FEATURES THE HAPPENINGS OF THE DEWITT AREA SPONSORED BY THESE COOPERATING MERCHANTS

WELCOME to Historic DEWITT founded Oct. 4, 1833

**THIS CHOICE ADVERTISING SPACE CAN BE YOURS FOR ONLY \$3.00 PER WK. CALL 224-2361**

**BILL FOWLER FORD SALES**  
11323 N. US-27 DeWitt Phone 669-2725

Have a happy day and if you want to smile when the job is done call --

**LARRY T. SCHAEFER, INC.**  
MASON'S CARPENTERS CONTRACTORS  
Phone 669-9134

**DREPS R.V. CENTER**  
Area's Authorized Coachman, Sales and Service and Dodge R.V. Service Parts-Accessories-Rentals  
US-27 DeWitt, Mich. 669-9996

**DeWitt Area Chapel**  
Funeral Service  
Phone 669-6465  
171 S. Franklin DeWitt, Michigan

**JOHN E. ALLEN CONSTRUCTION**  
2173 W. Cutler  
New Homes & Additions Remodeling - Roofing.

**HOWE'S GREENHOUSE**  
8160 US-27 DeWitt Phone 669-9922

**GRADY SMALLEY SALES - BUILDING - LEASING - TRADES**  
**LONG REALTY CO.**  
3300 Hitching Post Rd. DeWitt 669-3538

FOR RESERVATIONS CALL 651-5308

## Legal News

### NOTICE OF MORTGAGE SALE

DEFAULT having been made in the condition of a certain indenture of mortgage made on October 11, 1965, by JOSEPH A. GLASOVATZ, SR. and ELIZABETH (a/k/a Elizabeth B.) GLASOVATZ, husband and wife, as mortgagors, given by them to AMERICAN ANNUITY LIFE INSURANCE COMPANY, of Grand Rapids, Michigan, as mortgagee, and recorded on November 5, 1965, in Liber 371, Page 515, in the Office of the Eaton County Register of Deeds; and recorded on October 13, 1965, in Liber 244, Page 648, in the Office of the Clinton County Register of Deeds; on which mortgage there is claimed to be due and unpaid as of the date of this Notice, the principal sum of FIVE THOUSAND ONE HUNDRED TWENTY-ONE and 48/100 (\$5,121.48) DOLLARS, together with accrued interest in the amount of ONE HUNDRED THIRTY and 90/100 (\$130.90) DOLLARS; and no suit or proceeding at law or in equity having been instituted to recover the debt or any part thereof, secured by said indenture of mortgage, and the power of sale in said indenture of mortgage contained having become operative by reason of such default;

NOTICE IS HEREBY GIVEN that on April 9, 1976, at 10:00 o'clock in the forenoon at the north entrance to the Courtroom in the City of St. Johns, Clinton County, Michigan, that being the place for holding the Circuit Court for the County of Clinton, there will be offered for sale and sold to the highest

bidder or bidders at public auction or vendue, for the purpose of satisfying the amounts due and unpaid on said mortgage, together with all legal costs and charges of sale, and includable attorney fees, the lands and premises in the said mortgage mentioned and described as follows:

The entire of Lots 1 and 2, and that part of Lot 3, which lies Southerly of and adjacent to a line described as beginning at a point which is N 88°19'30"W, 33 feet from the Southeast corner of said Section 38; thence N60°32'40"W 414.25 feet to the point of ending of this described land, all in Plat of Culver's Subdivision; Watertown Township, Clinton County, Michigan; and ALSO:

That part of the Northeast fractional 1/4 of the Northeast fractional 1/4, Section 1, T4N, R3W, described as commencing 33 feet West of the Northeast corner of said Section 1; thence West 167 1/2 feet; thence South 49 feet; thence East 167 1/2 feet; thence North 49 feet to the place of beginning, Delta Township, Eaton County, Michigan.

The period within which the above premises may be redeemed shall expire six (6) months from date of sale.

Dated: March 10, 1976.  
AMERICAN ANNUITY LIFE INSURANCE COMPANY, a Michigan corporation of Grand Rapids, Michigan, Foster, Swift & Collins, P.C. Attorneys for Mortgage Suite 1, Plaza 1

401 South Washington Square  
Lansing, Michigan 48933 46-5

### PUBLICATION OF NOTICE OF HEARING.

State of Michigan, The Probate Court for the County of CLINTON.

Estate of ELEANOR KRAMER, Deceased. File No. 19537.

TAKE NOTICE: On April 14, 1976, at 10:00 A.M., in the Probate Courtroom, Courtroom, St. Johns, Michigan, before the Hon. TIMOTHY M. GREEN, Judge of Probate, a hearing will be held on the petition of Clayton A. Kramer, Administrator, to sell real estate of the above estate.

TAKE NOTICE: On June 16, 1976, at 10:00 A.M. in the Probate Courtroom, Courtroom, St. Johns, Michigan, before the Hon. TIMOTHY M. GREEN, Judge of Probate, a hearing will be held at which all claims against said estate will be heard. Creditors must file sworn claims with the Court and serve a copy on Clayton A. Kramer, Administrator, Route 2, Fowler, MI 48835, prior to said hearing.

Dated: March 17, 1976.  
Clayton A. Kramer  
Petitioner  
Route 2  
Fowler, MI 48835  
Attorney for Petitioner:  
Jack Walker  
Walker & Moore  
117 E. Walker  
St. Johns, Mich. 48879  
Phoned 517-224-3241 49-1

### PUBLICATION OF NOTICE OF HEARING.

State of Michigan, The Probate Court for the County of CLINTON.

Estate of EMMA FEDEWA, Deceased. File No. 19516.

TAKE NOTICE: On April 21, 1976, at 10:30 A.M., in the Probate Courtroom, Courtroom, St. Johns, Michigan, before the Hon. TIMOTHY M. GREEN, Judge of Probate, a hearing will be held on the petition of John G. Fedewa, praying for allowance of his final account.

Dated: March 25, 1976.  
/s/JOHN G. FEDEWA,  
Petitioner.  
14250 West M-21  
Fowler, Michigan 48835.  
Attorney for Petitioner:  
MAPLES & WOOD  
Paul A. Maples  
306 North Clinton Avenue  
St. Johns, Michigan 48879  
Phone (517) 224-3238. 49-1

### PUBLICATION OF NOTICE OF HEARING.

State of Michigan, The Probate Court for the County of CLINTON.

Estate of PHEBA K. SHARP, Deceased. File No. 19529.

TAKE NOTICE: On Wed-

nesday, April 14th, 1976, at 10:30 A.M., in the Probate Courtroom, in the Courtroom in St. Johns, Michigan, before the Hon. TIMOTHY M. GREEN, Judge of Probate, a hearing will be held on the Petition of John Burnes, Administrator, for License to Sell Real Estate of said deceased. Persons interested in said estate are directed to appear at said hearing to show cause why such license should not be granted.

Dated: March 29, 1976.  
S/JOHN BURNES,  
Petitioner.  
1548 E. Grand River  
Lansing, Michigan  
Attorney for Petitioner:  
MAPLES AND WOOD  
Robert H. Wood  
306 N. Clinton  
St. Johns, Michigan  
Phone 224-3238. 49-1

### NOTICE OF MORTGAGE SALE

Default having been made in the conditions of a certain mortgage made on the 8th day of January, 1973, between MICHAEL R. KWIEK and CONNIE L. KWIEK, husband and wife, Mortgagors, and M.L.C. CORPORATION, INC., a Delaware corporation, Mortgagee, and recorded in the Office of the Register of Deeds for Clinton County, Michigan on January 29, 1973, in Liber 269 of Mortgages, Page 400, on which mortgage there is claimed to be due at the date of this notice for principal and interest, the sum of FIVE THOUSAND FIVE HUNDRED EIGHTY-FIVE and 72/100 (\$5,585.72) DOLLARS and an attorney fee of SEVENTY-FIVE (\$75.00) DOLLARS allowed by law, as

provided in said Mortgage, and no suit or proceedings at law having been instituted to recover the moneys secured by said mortgage or any part thereof;

NOTICE IS HEREBY GIVEN that by virtue of the power of sale contained in said mortgage and the statute in such case made and provided, on Friday, the 30th day of April, 1976, at 10:00 o'clock in the forenoon, the undersigned will, at the North entrance of the Clinton County Courthouse, in the City of St. Johns, County of Clinton, State of Michigan, that being one of the places where the Circuit Court for the County of Clinton is held, sell at public auction to the highest bidder the premises described in the said Mortgage, or so much thereof as may be necessary to pay the amount as aforesaid due on said Mortgage, and all legal costs, together with said attorney fee, which said premises are described as follows in said Mortgage: Lot 57, Idyl - Crest Estates No. 2, A Subdivision of a part of the SW 1/4 of Section 19, T5N, R2W, DeWitt Township, Clinton County, Michigan, according to the recorded plat thereof in Plat Book 4, Page 40, Clinton County Records.

The length of the redemption period as provided by law is six (6) months from the time of sale.

Dated: March 31, 1976.  
M.L.C. CORPORATION,  
INC.  
CUMMINS, BUTLER &  
THORBURN  
301 Capitol Savings & Loan  
Building  
Lansing, Michigan 48933  
Attorneys for Mortgagee 49-5

## Obituaries

### Waldo C. LaRue

Funeral services were held Feb. 25 from Abbott Chapel for Waldo C. LaRue, 74, 715 E. Main, Maple Rapids, who died Feb. 22 at Carson City Hospital.

He was a former village president of Maple Rapids, village councilman, justice of the peace, trustee and treasurer of Essex Township. He was a member of the Ithaca Seventh Day Adventist Church, Evergreen Club, Farm Bureau and a veteran of the U.S. Navy.

A resident of Maple Rapids since 1943, he was born in Lima, Ohio April 24, 1901, the son of Calvin and Cora LaRue. He was married April 7, 1929 to St. Johns to the former Lillian Fairchild.

He was employed at Oldsmobile. Surviving are his wife, Lillian; 1 brother, Victor LaRue of Elsie and 4 sisters, Mrs. Fay Rader of Findlay, Ohio, Mrs. Edith Core of Bell Center, Ohio, Mrs. Edna Bishop of St. Johns and Mrs. Alene Hildreth of Delta Mills. Frebriean Baerg of the Ithaca Seventh Day Adventist Church officiated with interment at Eureka Cemetery.

### Mareta Mead

DEWITT-Funeral services were held Thursday, March 25 from DeWitt Area Chapel for Mareta Mead, 73, 3822 Calvin Dr., Lansing, who died March 23.

Rev. Jerry Cole officiated with burial at DeWitt Cemetery. She was born March 17, 1903 in St. Johns, the daughter of Newton and Bernice Newman. A resident of the Lansing area most of her life, she was employed with Reo and was a member of Reo Local 650 and Reo Retired Group.

Surviving are 1 son, Virgil, of DeWitt; 2 daughter-in-laws, Donna Mead of Lansing and Irene Mead of DeWitt; 3 sisters,

Mrs. Edna Harton of Lansing; Mrs. Helen Smith of DeWitt and Mrs. Dortha Hickerson of Grand Ledge; 2 brothers, Willard Newman of Wellington and Arthur Newman of DeWitt; 9 grandchildren and 6 great grandchildren.

### Glenn G. Doty

WACOSTA--Funeral services were held Monday, March 29 from Wacosta Community United Methodist Church for Glenn G. Doty, 74, 7900 W. Cutler Rd., DeWitt, who died March 25 at St. Lawrence Hospital in Lansing.

Burial was at Wacosta Cemetery. He was born in Harbor Springs April 13, 1901. A resident of DeWitt and Wacosta areas for the past 37 years, he was married May 4, 1934 in Lansing to the former Ernestine Mueller. He was a farmer and member of the Wacosta United Methodist Church.

Surviving are his wife, Ernestine; 2 sons, James J. Doty of Bellevue and Robert W. Doty of Coloma; 1 daughter, Mrs. Marion Cushing of DeWitt; sister, Mrs. Blanche Gage of Harbor Springs and 6 grandchildren.

### Ivah Mills

Ivah Irene Mills, 89, of Lansing died March 20, 1976. Funeral services were held March 22, with graveside services at Mt. Rest Cemetery in St. Johns. Rev. Francis Johannides officiated.

Born Dec. 3, 1886 in Gratiot County, she was the daughter of William and Debra Keller. Surviving are a daughter, Mrs. Beulah Taylor of New Mexico; a son, Otus of Charlotte; a sister, Mrs. Neva Redden of Pompeii; a brother, Henry of Pompeii; a brother, Leo, of Arkansas; four grandchildren and 14 great grandchildren.



### Gospel artists in St. Johns

A trio of nationally known gospel artists, the Goodtime Singers, of Evansville, Ind., will appear at First Assembly of God, St. Johns, on April 3, at 7:30 p.m.

The popular team, which has recorded 12 LP albums, is known for smooth harmony and worshipful renditions of old and new sacred music. Their style has established them as

(favorites in nearly every state in America, with a demanding personal appearance schedule for 320 concerts a year. They frequently travel over 100,000 miles yearly, singing, not only old hymns, but many songs they have written themselves.

All three members of the group are natives of Evansville, a southwest Indiana, Ohio River metropolitan area of 200,000 people.

## To buy a compact car or not to buy... that is the question

By Patrice Hornak  
News Feature Writer

We're supposed to buy small cars and save energy, so say the environmentalists and economists who predict a shortage of gasoline.

However, Americans have turned their backs on the advice of the mini-car advertisements and have continued to buy their mid-sized and full-size automobiles.

St. Johns residents are no exception, either. According to St. Johns automobile sales directors, the mid-sized cars are their number one sellers and the sub-compacts and compacts are running in second or third place.

"Using a conservative estimate, I would say we sell 15 Chevettas to every Chevette," said "Red" Devereaux of Bee's Chevrolet and Oldsmobile, Inc.

The Cutlass has been their top selling model this year and the sub-compact, Chevette, hasn't been as popular as some economists predicted they would be.

"Red" pointed out, however, that Bee's has only featured the Chevette for the past six weeks.

He went on to say that production somewhat dictates what the car dealers sell.

Economists predicted an upswing in small car sales so the

automobile manufacturers produced more small cars. And, as he also added, "You can't change production schedules around fast."

Overall, Bee's sells about 50% compact and sub-compacts and 50% medium and full-size cars. But, their number one seller is still the Cutlass, a medium-sized car.

Frank Keelean, of Keelean Buick, also said the national trend to buy medium-sized cars is indicative of his sales.

"We are experiencing the same trend, said Frank, who pointed out that their number one selling car was the LeSabre, a full-sized car.

The trend could change within the next 30 days, however, according to Keelean, who said he sells two larger cars to every smaller car. "Students will get out of school and families will be looking for a second car."

Not all car dealerships follow the trend, however. Ralph Dara of Community Dodge said his number one selling car was the Dodge Aspen, a compact, and his second best selling car was the Monaco, a luxury car.

Dale Aurand, sales manager of Egan Ford, said he sells a

"little bit of everything." He sells about the same number of Pinto's, a compact car; Maverick and Granada's, the medium car; and LTD's the larger, luxury cars.

Junior Hettler of Hettler Chrysler said his number one selling car is also a full-sized car.

### WHY ARE PEOPLE BUYING SMALLER CARS?

"We have established ourselves to the fact that we can get fuel, now," said Devereaux. "People have gotten over the shock of 60-cent per gallon gasoline and now with improved mileage, they don't mind paying more for convenience and comfort."

"Overall, car buyers still want comfort and roominess," said Keelean. "People who had been holding off from buying a car are now getting the mid-sized cars instead of their full-sized cars which have grown old."

Keelean also pointed to the American public's frequent over-reaction to some issues, remembering the gas crisis in '74 and the dealer's attempts to keep enough small cars in the store.

How long will this trend to mid-sized cars last? Nobody knows.

## Circulate petitions to appeal nursing home denial

By Jim Edwards  
County News Editor

ST. JOHNS - Petitions are being circulated in Clinton County asking the Michigan Dept. of Public Health to grant a certificate of need for the construction of a skilled nursing home in St. Johns.

Attempting to build a nursing home in St. Johns is Meadowview Manor Inc., which includes Donald Roemer, Dr. James Grost, Alma Green, Peter Apostol, Gladys Hetzel and Steve Bakita, all of St. Johns; Rex O'Connor of Ionia and George Burkitt of Lansing.

In a prior request to establish a nursing home in the area, approval was given by the Capital Area Comprehensive Health Planning Association.

However, when the request went from there to the State Dept. of Public Health, it was denied on grounds that another skilled nursing home is not justified by need in the area.

Attempts to establish a skilled nursing home in the area followed an announcement by the State Dept. of Health that Rivard Nursing Home in St. Johns did not meet state requirements.

Owner of Rivard's is Gladys Hetzel who was told she could continue operations as long as plans were underway to build a new nursing home in the community.

It was stated then that, because of the physical make-up of Rivard's it would be

difficult for the facility to meet state space requirements.

It was Mrs. Hetzel's understanding that she would be allowed to remain open if she eliminated 11 beds in her facility to meet the square footage requirements of the state.

She said eliminating 11 beds would be as much as put her out of business because there would be no margin for profit.

Rivard's is currently the only nursing home in St. Johns.

Recently the County News asked a member of the State Health Dept. why it was determined there was no need if Rivard's were to close.

He said the state felt there is no need shown because of the number of nursing home beds in the Lansing area and the number of Clinton County people using the Lansing facilities.

Donald Roemer, one of those involved with locating a nursing home in St. Johns, said it is true that county residents are utilizing nursing home facilities in Lansing, Ovid, Ashley, St. Louis and Owosso because there are not sufficient beds inside the county.

If the nursing home group obtains sufficient signatures, the matter will be taken to the Dept. of Mental Health who will act as an independent body to hear the appeal to grant the certificate of need.

Circulating petitions for the appeal is the St. Johns Ministerial Association and petitions are located in business places throughout the county.

## Fowler Alumni to play in tournament

FOWLER - A 5-game Fowler Alumni Basketball Tournament will be held April 6-8-13 at Fowler High School.

Beginning the competition in the tournament sponsored by the Fowler Varsity Club will be graduates of 1972-1967-1961 taking on players from 1973-1966-1960 at 7 p.m.

The game is followed at 8:30 by the game between 1975-1964-1958 against 1974-1965-1959.

On April 8 the winner of the 7 p.m. April 6 game takes on alumni from 1971-1968-1962 in the first game at 7 p.m.

At 8:30, the 3d game winner of April 6 plays alumni from 1970-1969-1963.

The winners of the April 8 games will play in the championship game at 7:30 p.m. April 13.

Tickets are 75 cents for adults, 50 cents for students.

### Students make Dean's list

Two Clinton County residents were among 280 students at Northwood Institute who were named to the Dean's List for the fall term.

Making the Dean's List were Douglas Fox of Laingsburg and William Kohls of St. Johns. A student must earn a 3.0 or above grade point average to be named to the Dean's List.

### Marygrove alumnae to hold luncheon

Marygrove College alumnae in the mid-Michigan area will hold their Spring Luncheon at the Country Club of Lansing on Saturday, April 3.

Area alums are invited to make reservations with Suzanne Ludwig, 2200 Lyman, Lansing, 485-0590.

Kitty Storen, president of the Detroit-based Marygrove Alumnae Association, and Mrs. Raymond Fleck, wife of the college president, will be luncheon guests.

A new slate of officers for 1976-78 to be presented at the luncheon include: Mary Abowd Abowd, president; Sharon O'Connor Myers, secretary, and Donna Gardner McKeague, treasurer.

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**BICENTENNIAL  
ISSUE**

**2nd Annual  
CLINTON COUNTY**

# **FARM REVIEW & FORECAST**

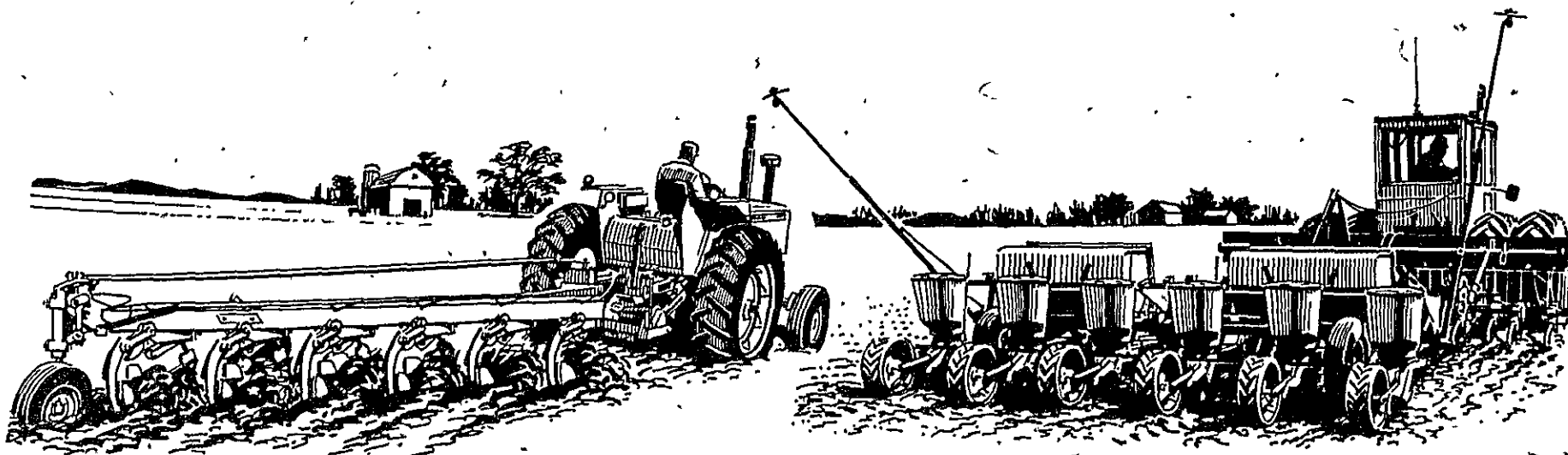


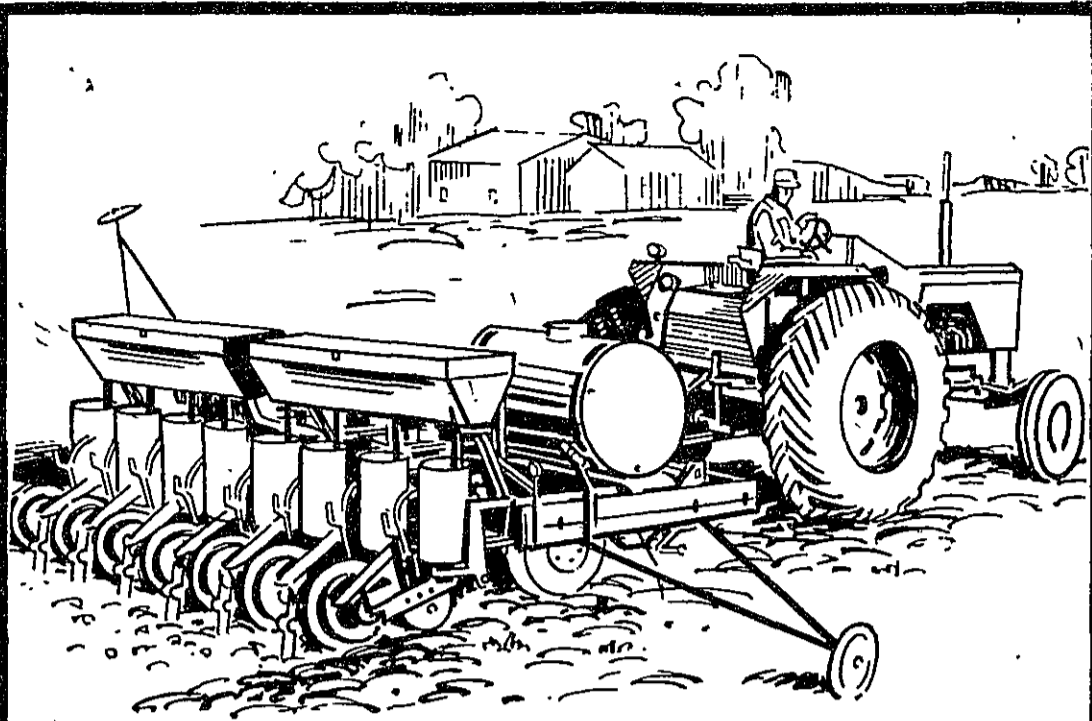
**BICENTENNIAL ISSUE**

**Clinton County News**

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**March 31, 1976**





# It's Getting That Time Again...

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## CENTRAL NATIONAL BANK

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## The role of livestock in a hungry world

By Jim Pelham  
Extension Director

I read this abstract of a speech given by Dr. J.A. Hoefler, Associate Director of the Michigan Agricultural Experiment Station. Dr. Hoefler is a Professor of Animal Husbandry and was one of my more interesting teachers at M.S.U. when he first began work there nearly 25 years ago. I thought our readers might like to share his observations.

Animals make a unique contribution to the food chain. However, to put things in proper perspective, their role must be viewed in the light of the very complex world food situation. Too many simplistic solutions have been advanced by "experts" who do not fully understand the complexities of the food production and distribution system.

It is frequently stated that to increase food supplies for humans, priority should be given to using grains for human consumption - that the animal is a direct, inefficient competitor of the human for energy and protein. Data are cited that in the U.S. the per capita consumption of grain is from 1500 - 2000 lbs., whereas in the disadvantaged nations the per capita consumption of grain is approximately 400 lbs. It is then concluded that an animal food economy is highly inefficient, immoral, and should be eliminated.

There is some truth and logic and likewise many flaws in the conclusion that animals should be eliminated from the food chain. Animals make a number of unique contributions to society thus filling niches in the food production chain that can't be occupied by plant foods. Animals produce foods of the highest quality protein known -

meat, milk and eggs. Animal products also provide about 25 percent of the total energy, 80 percent of the calcium, 67 percent of the phosphorus, and significant amounts of other minerals plus riboflavin, niacin and vitamin B-12.

In addition to food, animals provide many other useful products, such as leather, wool, hair, lanolin, certain enzymes (rennin), and many pharmaceuticals (insulin).

Animals eat foods we cannot or will not eat. They thrive on grasses (pastures, hays) that are the only thing that will grow on over 60-percent of our farm land. Worldwide, there are two acres of non-cropland for every acre capable of producing grain. Animals recycle wastes and utilize non-protein nitrogen. A fantastic amount of stored cellulosic energy would go to waste without animals.

Animals are relatively inefficient converters of feed to food when concentrated (grains) are fed. Feeding programs are being changed to less grain and more roughage in response to economic shifts.

Companion animals as well as recreation animals will experience increasing pressures as the demands for food (and feed) increase resulting in short supplies and high prices.

Agricultural research, particularly in the areas of reproduction, disease control, selective breeding, nutrition, physiology, waste management, and environment control has shown much promise in increasing the productivity and efficiency of animals.

Animal products are not likely to be eliminated from menus even if world food shortages become extremely critical.

### Agrifacts . . .

In 1825, the Philadelphia Society for Promoting Agriculture offered a gold medal worth \$50 to any person who shall have carried on farming without using any ardent spirits on his property, except

when prescribed by a physician, for a period of two years. There was no claimant for the premium. Products of home stills for many years was the chief cash crop of farming.

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# Large scale agriculture: the trend is upward

U.S. farms will have to become larger and more industrialized to remain in business, says Michigan State University Agricultural Economist Leonard Kyle.

"The management problems of smaller farms, especially those of full-time operators grossing under \$20,000, are becoming more acute. Many

are in a no-win position right now," Kyle says.

Operational costs decrease up through three men for most types of farms but there are also significant advantages for larger operations having adequate capital and good management.

"LARGER UNITS can often sell at higher prices because of

the output volume they can deliver to a customer in a short time. They also buy most of their inputs on a bid basis and may get a 15 percent discount on prices," Kyle says.

"To get costs down to a competitive basis, a minimum of 600 to 1,000 acres should comprise a cash crop farm in a few years and 5,000 acre units are feasible."

The efficient 2,000 head hog unit should eventually have 4,000 to 8,000 head. The 100 head dairy farm will have to manage 200 to 500 cows, and Midwest feedlots having 600 head today will be running 2,000 to 5,000 head.

A recent U.S. Chamber of Commerce report indicates that eight percent of the nation's

farms are publicly held corporations. "There is no real evidence that extremely large corporations are taking over in agriculture, although you hear a lot about their failures while the successes are being kept quiet," Kyle says.

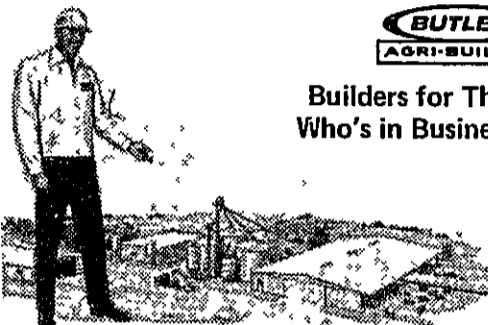
HE ADDS THAT several western states now have laws to restrict such corporation involvements in agriculture and that several others are considering specific restrictive legislation.

"Regardless of legislation, farm size must be allowed to expand. There is going to be real pressure from the tightly held and managed units grossing \$200,000 to \$1 million annually. A good two-man-plus

unit can produce in the bottom end of this range," Kyle says.

In the future there will be fewer commercial farm units increasing in size and concentration of production. "Once they have their operations working efficiently, whether it is cash crop or livestock, they may diversify their enterprises to adjust for risk factors - it will be easier to do on the larger farms than the smaller," according to Kyle.

"It is still going to be a long time, 25 to 50 years, before public corporations control much of our agriculture. But it doesn't mean that commercial farms will be the 'family farm' in the old sense of the word," Kyle concludes.



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## Early milkers not productive


Cows of the Colonial farmer were a far cry from the prolific milk producers which are found on today's modern dairy farms.

Milk yields were extremely low. Israel Acrelius, a farmer and writer of the time, reported in 1759, "Where the pasture is fair, a cow does not give less than two quarts of milk at a time - that is, twice a day." Cows today commonly produce 25 quarts a

day. And it's not unusual for a cow to produce 50 quarts in a day and some exceptional animals have produced 75 and more quarts in a single day.

There was not much improvement in Colonial cows until after 1790, when farmers

began to produce forage crops in more abundance. As the half-starved animals ate better, the production of milk gradually began to increase. Around 1800, more attention to the breeding of dairy cattle began to have an effect on milk production.




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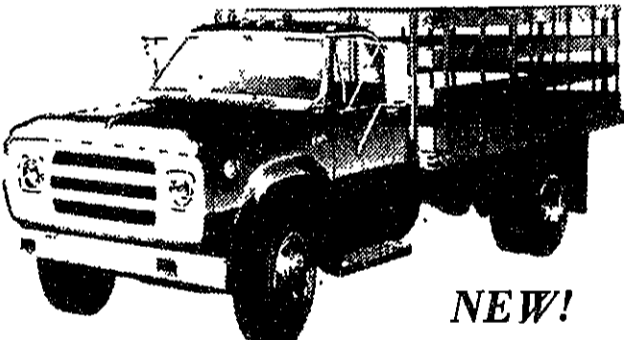
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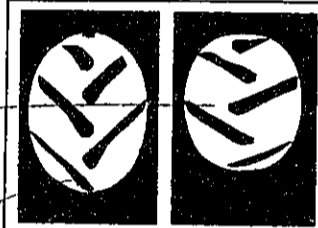
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## What's that land worth?

Deciding how much to pay or what percentage of the crop to share in a land rental agreement needs careful consideration.

"Contracts and rental rates vary by area and crop, and depend on the amount of land for rent, potential number of renters, soil type and historical rental arrangements," says Dr. Gerald D. Schwab, Michigan State University agricultural economist.

Leasing land can be viewed as a method to control land with relatively limited financial requirements. But the tenant may lack security of land control, may not be able to reap all the rewards due his managerial ability and is not able to benefit from an increase in land values, Schwab points out.

THE MAJORITY of land rentals appear to be on a cash basis, which, according to a statewide survey by Schwab, ranged last year from below \$10 per acre to \$110 per acre for tilled land. Untilled lands ranged from \$1 to \$75 per acre.

The following are the average cash prices paid for tilled lands: native grass pasture, \$19.68; renovated pasture, \$25.06; corn, \$31.80; soybeans, \$39.09; field beans, \$35.70; alfalfa, \$30.28; grass hay, \$19.53; sugar beets, \$60; potatoes, \$49.

Average cash prices paid for untilled land were: native grass pasture, \$9.12; renovated pasture, \$18.17; corn, \$19.82; soybeans, \$21.37; field beans, \$18.74; alfalfa, \$19.40; grass hay, \$14.57; sugar beets, \$21.50; potatoes, \$28.13.

Another rental method is to split the crop yield with the landlord, generally on a 50-50 or one-third, two-thirds basis.

ON A 50-50 share basis, the crop is equally divided with the landlord. The tenant furnishes labor, power and machinery. The cost of seed, fertilizer, weed and insect control is split equally.

Harvesting and hauling costs may be halved, or often the tenant furnishes 100 percent of the hauling and sometimes all of the harvesting costs.

Under the one-third, two-thirds sharing arrangement, 67 percent of the crop is received by the tenant, who furnishes all the labor, power, machinery, weed and insect control, harvesting and hauling.

The fertilizer expense is often shared in the same proportion as the crop yield. The seed cost may be shared in this proportion, but usually the tenant furnishes all the seed.

THERE IS NO one correct share proportion to recommend. But the basic principle is that income ought to be divided in the same proportion as the expense of production is shared, Schwab says.

Details of Schwab's survey appear in Extension Bulletin E-683, available from the local county Extension office.

# STRONGPANEL

## Features and Benefits

### BOARD AND BATTEN BEAUTY

The distinctive STRONGPANEL rib design creates a continuous eye-pleasing shadow pattern that adds classic board-and-batten beauty to walls, enhances any style of architecture, gives The Bold Look to all types of buildings . . . farm and ranch, light commercial, light industrial, municipal, residential, and recreational.

### HIGH-TENSILE STRENGTH

High-tensile steel and unique design give STRONGPANEL maximum load-carrying capacity — which provides exceptionally high spanning properties for its thickness and weight — and spring-like resistance to abuse.

STRONGPANEL also provides a great degree of diaphragm strength that contributes to the lateral stability of a building. Fastened to girts, STRONGPANEL panels form an efficient vertical wall diaphragm that distributes wind loads; fastened to purlins, they form a horizontal roof diaphragm that distributes snow loads. This literally holds the building together and eliminates or decreases the need for extra structural bracing.

### WEATHERTIGHT PROTECTION

The STRONGPANEL design permits a free flow of water runoff, and a non-leak drain channels out any water that might be forced into its snug-fitting side lap. Wide 30-inch cover width (32-inch panel width) and long lengths (up to 30 feet) result in fewer side and end laps and a tighter, stronger, neater-looking building.

### QUICK, EASY APPLICATION

STRONGPANEL lays flat and nests tightly at side and end laps. A special strip on top of the main ribs positions fasteners to assure correct, neat application. STRONGPANEL provides a rigid, safe working platform that is comfortable to sit, kneel or stand on and shows no application abuse. Wide cover width and long lengths speed application because of fewer panels and rows, less fitting and fastening.

### ACCESSORIES

A complete line of matching galvanized and color-coated STRONGPANEL accessories is available to trim and finish building exteriors (see back cover).

### ECONOMY

Greater strength permits wider nailer spacing for STRONGPANEL; this reduces purlin and girt requirements and speeds framework construction. Wide cover width and long lengths mean fewer panels to buy and apply, less loss at side and end laps, fewer fasteners, faster application. Result: Lower material and labor costs.

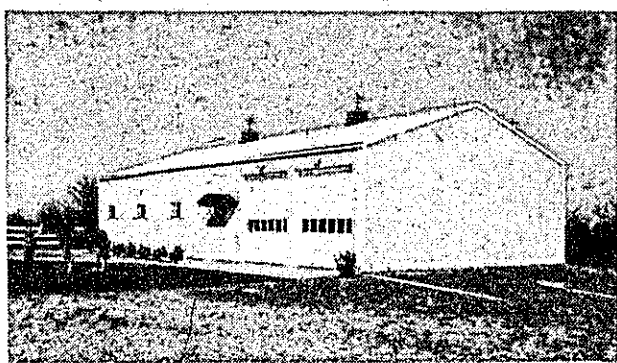
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# STRONGPANEL APPLICATIONS



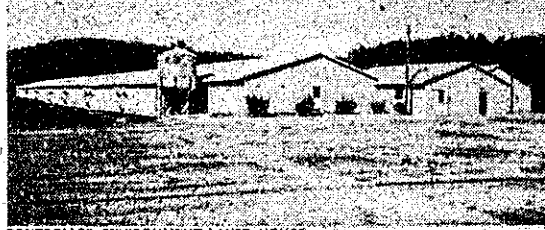
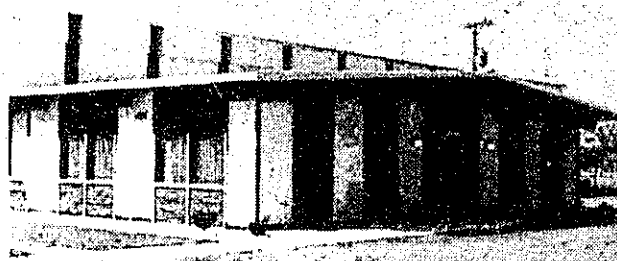
ACCESSORIES FOR TRIM AND FINISH



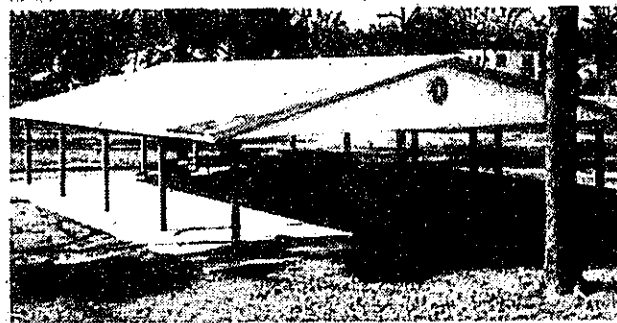
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# Getting seed down

Scarcity of many grain seeds and the need for good crop production to meet domestic and world market demand are incentives for good seeding practices this spring.

Proper seed spacing in the row is necessary to obtain the best yield possible according to the plant type grown. Factors

affecting spacing include crop use, row width, crop type and soil condition.

Planting seeds too close together results in excessive plant competition for water and nutrients. It can cause barrenness in corn and lodging in soybeans.

But too wide a spacing results

in incomplete use of water and nutrients. There may be more suckers on corn plants and often lower yields of corn, soybeans and field beans.

It has been customary to express planting rates for field seeds in pounds or bushels per acres. But with the large number of varieties with con-

siderable variation in seed size, other terms to describe the seeding rate appear more appropriate.

Seeds per foot of row might be a better designation for soybeans, field beans and grain sorghum. It is now common to use "inches between seeds" for hybrid corn.

Using these designations, the same seed planting rate may be used for each variety regardless of seed size or how the lot is screened or graded. To calculate total seed requirements for a field, you need to know number of seeds per pound.

To be accurate, determine the

number of seeds in the lot to be planted. Weigh out an ounce of seed and count the number of seeds. Multiply this number by 16 to determine the number of seeds per pound.

Another method is to weigh out a quarter pound of seed, count the seeds, then multiply by 4 to get the seeds per pounds. Seeds per bushel can be obtained by multiplying the seeds per pound by the number of pounds in a bushel for the crop being planted.

Seeding tables per acre for a wide variety of Michigan crops appear in Extension Bulletin E-489 available at your county extension office.

## Even husking bee started with Indians

Colonial farmers adopted not only many agricultural practices from the Indians concerning corn, but they borrowed at least one social custom, too.

Indian corn culture had already differentiated between regular corn crops and the more succulent sweet corn varieties believed developed by the Iroquois Indians.

Recipes for succotash and hasty pudding, also called loblolly, were also borrowed from the Indians. One facet of the corn diet the colonists didn't adopt was the addition of dog meat. They preferred

the more customary salt beef, salt pork or chicken.

While the borrowing of many of these practices from the Indians are well recognized, lesser known is the belief that even the husking bee originated with the Indians. This combination of work and frivolity was popular on early farms.

One custom that developed dictated any man who husked an ear of corn laden with red kernels could claim a kiss from any girl at the bee. A form of this practice was part of the culture of the Iroquois.

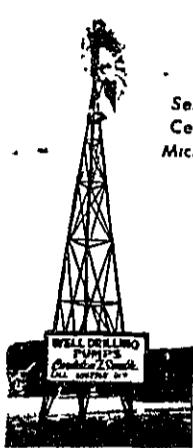
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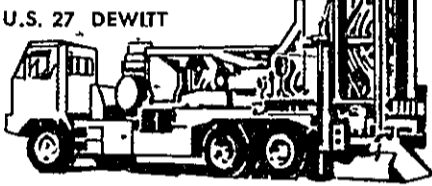
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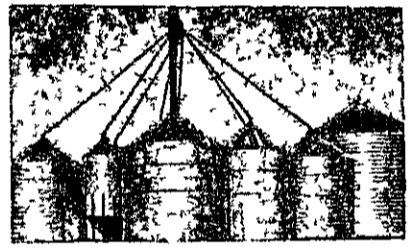
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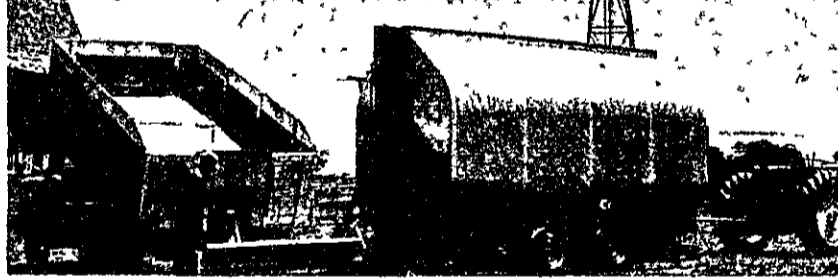


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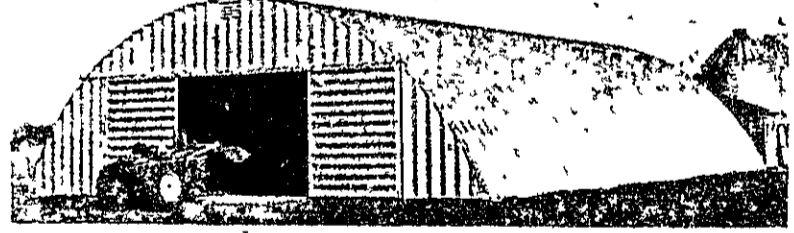
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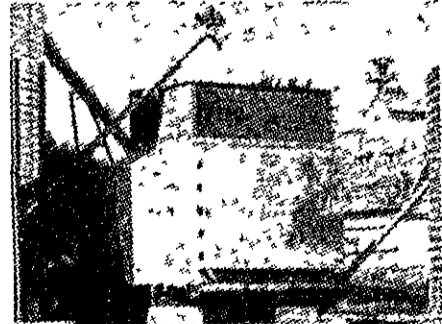
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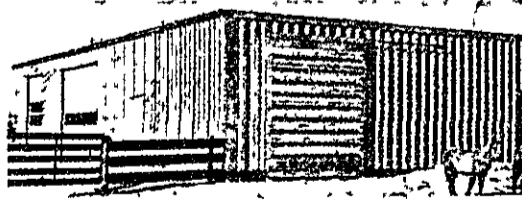
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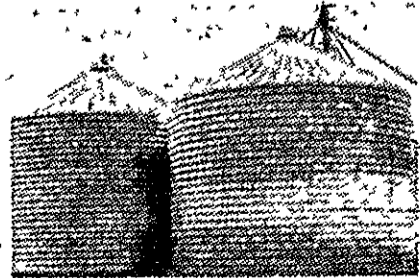
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# Brush up on bean marketing economics

Michigan bean producers who hope to profit in an unstable market must find ways to lower costs of production and increase yields per acre, advises a Michigan State University Extension marketing agent.

"Every farmer likes to see a good price per hundredweight," says Quentin Ostrander. "But the amount a farmer produces per acre and the price per unit determines his profit."

Ostrander described the economics of staying in the bean business during one session of the 1976 Michigan Dry

Bean Day at the Saginaw Civic Center, Feb. 24.

**BEAN PRODUCTION** and marketing specialists covered such issues as inoculation, marketing economics, bean drying, anticrusting chemicals, white mold and root rot, weed control and choice of bean varieties.

In a panel discussion, three successful bean growers addressed the questions of whether minimum tillage works for beans, how to achieve consistently good yields and what production information is

needed for profits.

In a concurrent program for consumers, an MSU Extension consumer marketing agent, Jan Jacobson, presented ways to use colored beans in your menu. Her presentation included recipes and taste testing.

It looks as if Michigan's navy bean plantings will be up by about six percent next season, according to the Crop Reporting Service. Ostrander says neighboring states, too, are showing an interest in planting navy beans. That could mean an ample crop year, leading to lower prices to producers.

**THE PROBABLE** reason for increased acreage is this year's high prices, Ostrander explains. If the price of beans is higher than the price of other commodities, two things usually occur: first, consumers turn from beans to other lower-priced food items. And second, cash crop producers plant more acreage to beans the following year; that leads to a larger crop and lower prices.

During an afternoon session of the Saginaw Bean Day,

Ostrander explained how individual farmers can cope with the ups and downs of the bean market.

Besides the seminar session, participants can view exhibits of equipment, seed and chemicals.

The program was sponsored by MSU's Cooperative Extension Service, the Michigan Bean Shippers Association, Michigan Bean Commission and suppliers of chemicals, equipment and fertilizer.

## Now is the time to take soil samples

1. USE SOIL MAP from your Farm Plan as a guide when obtaining samples.
2. DIVIDE FARM INTO FIELDS FOR SAMPLING. Take from 15-20 samples to combine into one composite sample from every 5 to 10 acres. Areas that distinctly differ in crop growth, in the appearance of the soils such as light or dark colored or have had different past management (liming, manuring, fertilizing, or cropping), should be sampled separately.
3. USE PROPER SAMPLING TOOLS. Satisfactory samples can be obtained with an auger, spade, trowel or soil tube.
4. SAMPLE TO PLOW DEPTH except for pastures. Pasture sampled should be taken from the upper 2-4 inches. Where row crops have been

planted, take samples between the rows.

5. REMOVE SOIL RIBBON from center of slice if you use a spade. First dig a V-shaped hole to plow depth and remove a one-half inch thick slice of soil from one side of the hole. Then trim off from each slice of the spade all but a thin ribbon of soil down the center of the spade face. Place this in a clean bucket with other samples from the same area.
6. AIR DRY SAMPLE. Do not use heat. When sample is air dry, mix thoroughly. Then take out about a half-pint of the soil for testing.
7. TAKE SAMPLES TO County Agent's Office — 1003 S. Oakland, St. Johns, Michigan. Have information available on cropping and liming history and planned rotation. If available, include

the soil type for each sample. Lloyd B. Campbell District Conservationist assigned to the Clinton County Soil Conservation District

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## State should be chicken leader

Michigan's poultry industry should rank much higher nationally than it does now, believes a Michigan State University Extension poultry specialist.

Dr. Bernard Marquez says the business potential here is as good as in California, Minnesota or Texas, which are considered poultry production leaders.

"Natural conditions here are little different than in Minnesota and Michigan has as geographically good, even better, market outlets," says Marquez.

His outlook is part of the poultry sessions planned Tuesday of MSU's Farmers' Week, March 22-26. The day's format has concurrent sessions for commercial egg and game bird producers.

Topics for egg producers include a market outlook and promotion, economical manure handling methods, a look at inputs versus returns for 1976. The game bird session will

discuss plans for Michigan's put-and-take pheasant program, pheasant egg production improvement and a look at performance of game birds raised in captivity.

Michigan's outstanding poultry businessmen will be honored during the Michigan Allied Poultry Industries banquet at Kellogg Center Tuesday evening.

There is a special session Wednesday for persons interested in keeping small numbers of poultry or rabbits as a sideline or hobby. Commercial rabbit producers' program and exhibition will be held Thursday. Details of the presentations are listed in the free Farmers' Week brochure, available at all county Extension offices. The programs are open to the general public.

Marquez says that over half the eggs, virtually all the broilers and most of the turkeys consumed by Michigan residents are shipped from

other states.

"Most of the nation's poultry production is in the hands of a few industry men. But I think there is room for the small producers, who, because of the careful attention they can afford their operation, can be more efficient and make more money per bird," Marquez says.

Small producers not able to find a large commercial market could probably arrange contract production with larger processors or market outlets. "But local markets shouldn't be underestimated and elimination of the middleman makes the venture more profitable. Even on-farm, local store or farmers' market sales can be lucrative possibilities," Marquez says.

He sees a beginning producer starting with a few hundred birds a few years, before expanding the operation. "Started as a hobby, part-time farming operation, or joining a larger producer for a time, is possi-

ble the better route to follow," he says.

"There is no doubt that the first few years will be a struggle but generally, a person successful in any other industry will find success in this type of operation. It simply takes a lot of common sense but this is the way our major operations begin," he adds.

There is plenty of guideline assistance available through MSU and the local county Extension offices. "A well run poultry operation need not be large to make money and I think the Michigan market offers a good potential to someone contemplating entering this segment of the agricultural community," Marquez says.

## Agriculture important industry in Clinton

Agriculture is an important industry in Clinton County. This is quite obvious as you drive around the county and see fields of corn, wheat or other crops and notice the barns and silos which dot the landscape.

Clinton is in the top 10 counties of Michigan in the production of corn, wheat, soybeans, oats, dry edible beans, spearmint; and in numbers of dairy cows, hogs, all cattle and sheep.

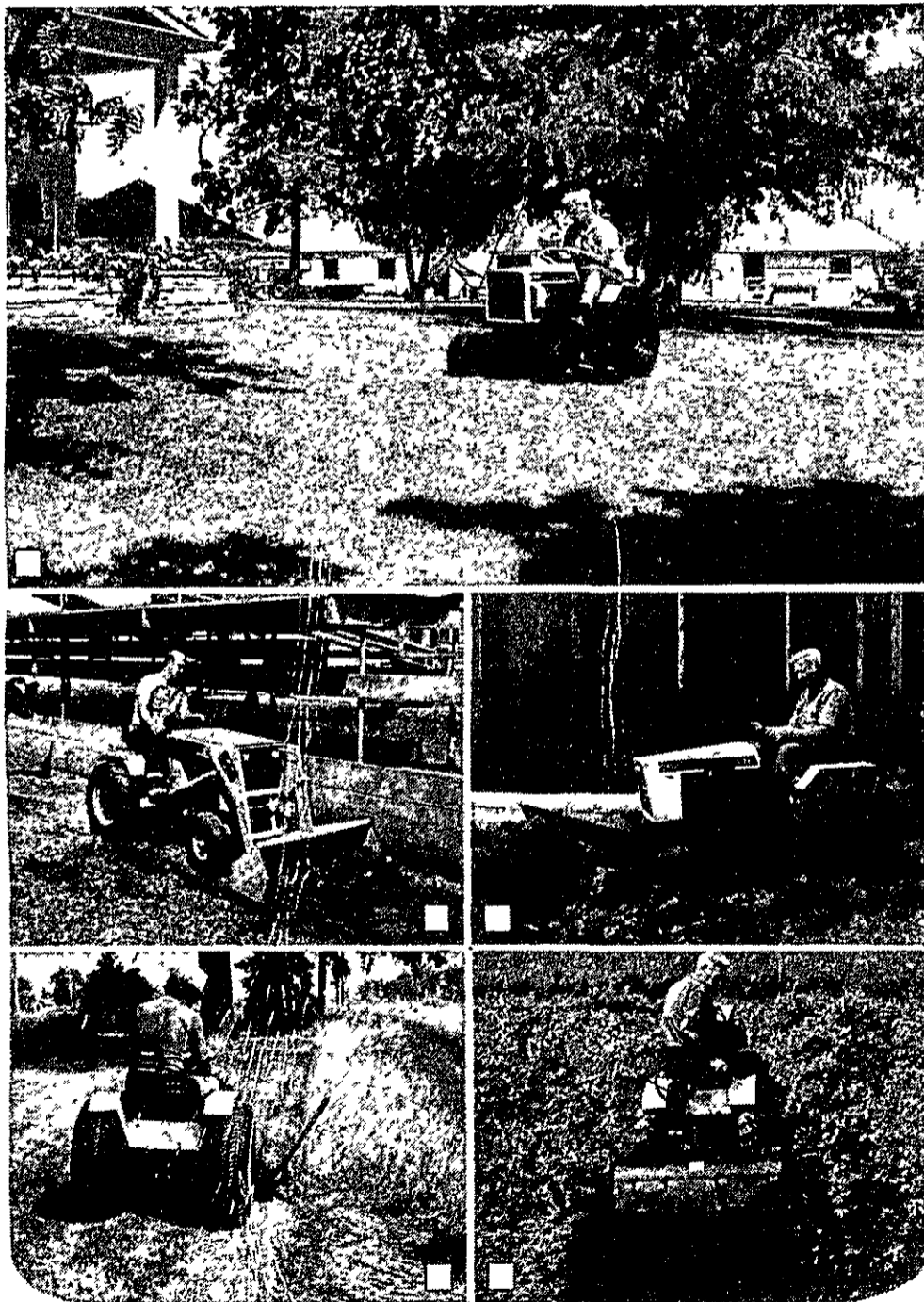
According to the 1969 census, 78 percent of the county's land is in farms. With 12% of the land in wood lots, only Wayne County has less forested land than Clinton. There are many wood lots in the county—most of these are quite small. There are no large forest areas in the county.

In 1974 Clinton County was 6th in corn production in the State, 9th in wheat production, 7th in soybeans, 10th in oat production, 1st in mint oil produced, 5th in number of dairy cattle, 5th in hog numbers, 5th in number of cattle and calves and 8th in sheep numbers.

A large number of agricultural products are shipped from Clinton County. Among them are wheat, corn, soybeans and milk. The grains are shipped mainly to the New England area.

Agriculture is an asset to an area's economy. Agriculture is one of the most stable industries. Manufacturing, retailing, service or other types of industries may come and go, but agriculture is tied to the land and only when the land is used for other purposes will agriculture leave.

### Farming



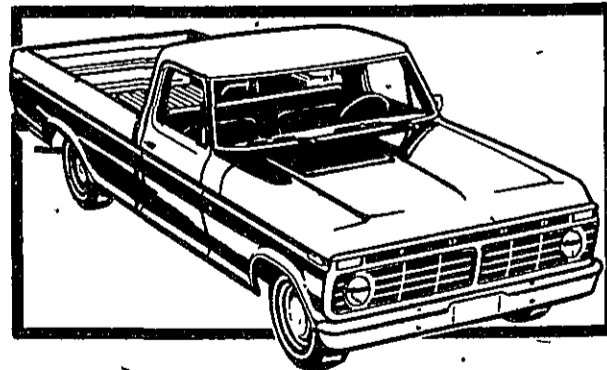
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# Prospects promising for improved corn yield through breeding says speaker at MSU

Prospects for genetically improving future corn yields and efficiency look good.

"The trend in yield improvement in the last decade appears to be no different than it was in the previous 30 years," says Dr. William Brown, president, Pioneer Hi-Bred International, Inc.

Brown spoke about potential corn yields at Michigan State University's annual Seed, Weed and Fertilizer School, Dec. 2-4. About 300 elevator managers, seed, herbicide and fertilizer suppliers attended the course.

HE SAYS THAT recently compiled research gives no indication that a plateau or a decline in the rate of yield improvement has been reached. "It means that we should certainly expect to see continued progress in yield as well as in other traits in breeding in the foreseeable future," Brown says.

"When one examines the state of our knowledge relative to plant behavior in terms of genetics, physiology and biochemistry, it is readily apparent that we still have much to learn in each of these areas," he adds.

Energy shortages and potential dwindling supplies of synthetic nitrogen indicate the need for research that will improve corn efficiency and other important crop species.

"For example, the possibility of developing corn and other cereals with the ability to fix nitrogen is not only intriguing but one that could be of tremendous economic importance. And it is encouraging to note that considerable progress along these lines has already been made in Brazil," Brown says.

ANTOHER AREA is the potential improvement of corn

## Did you know?

An American farmer on one acre of land can raise enough potatoes for your family to have French fries one meal every day for more than 20 years.

A fully grown apple tree will produce enough apples to make about 225 apple pies each year. It takes a standard apple tree six to ten years to begin fruiting.

American farmers grow so many peanuts that every person in the world could hold a large handful. About two billion pounds of peanuts are grown in this country each year. Half of this is made into peanut butter.

American farmers grow half of all the corn grown in the entire world.

A dairy cow gives enough milk to furnish nine families with a half gallon of milk every day. In order for a dairy cow to give this much milk, she must eat nearly 100 pounds of food and drink about a bathtub of water each day.

photosynthetic efficiency and modification of the usually high level of photorespiration.

"Enough work has already been done that suggests a considerable amount of genetic variability exists in the rate of natural drying that occurs in the kernel following physiological maturity. Further progress in this area could significantly reduce the amount of energy required to dry the crop," Brown says.

He believes breeders will soon be able to develop new varieties through genetic engineering. "While I think it is unreasonable to expect that hyper biological techniques will have an immediate application in plant breeding, it is a field that now justifies an increased amount of experimental effort," Brown says.

The breeder has the opportunity as well as the obligation to broaden the genetic base of corn germ plasm, he says, pointing out that about 250 new world races have been described.

"WHILE THERE are many duplicates, it would appear that there are at least 130 more or less distinct races of maize existing in the western hemisphere. In the U.S., which is the largest producer of corn in the world, more than 90 per-

cent of the breeding effort that is devoted to corn is using germ plasm whose origins trace back to not more than three of the 130 existing races. The U.S. breeding program has largely ignored about 98 percent of the germ plasm which makes up corn," Brown says.

He says he realizes the reasons for not pursuing new experimental areas but warns of potential consequences. The

current breeding system in spite of its demonstrated effectiveness" . . . has without doubt decreased the genetic variation in corn and increased its genetic vulnerability. Fortunately, most exotic germ plasm have been identified. So the breeder now has knowledge of where to go and what to use if he has an interest in using this type of material in his program," Brown says.

"It seems to me that any comprehensive breeding program used in the U.S. today should devote at least 10 percent of its effort to the use of materials of this kind. Without doing so is putting serious limitations on the potential of these programs and is also ignoring the problem of genetic vulnerability that we are going to face sooner or later," Brown says.


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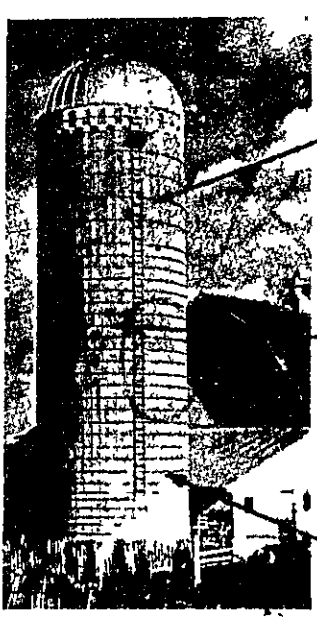
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# 'Pest of the year' helpful to alfalfa

Insect of the year honors are going to a tiny wasp that may eventually save Michigan alfalfa growers thousands of dollars.

Called *Microctonus aethiops*, it lays eggs inside the adult alfalfa weevil which, upon maturing, kills it. "We generally select the most destructive pest of the growing season. But this year we found one of positive benefit," says James K. Liebherr, Michigan State University Extension entomologist.

Left unchecked, the alfalfa weevil will consume the entire alfalfa field. It has been a serious field pest in the eastern U.S. and Michigan for many years.

EXTENSION entomologists believe *aethiops* has a big foothold in the lower peninsula and may reduce alfalfa weevil populations substantially in a few years. Field samples obtained this summer revealed *aethiops* larvae were developing in 30 percent of the

adult alfalfa weevils throughout Michigan.

"This means there is no further need to subcolonize the *aethiops* in the lower peninsula. Alfalfa weevil population increases showed signs of tapering off for the first time. If this is correct, farmers will have greater choice in deciding whether to use pesticides or not," said Liebherr.

Earlier tests in New Jersey show a drop in spraying need of more than 90 percent where *aethiops* has been established.

"The research began at MSU's Gull Lake Experiment Station. Cooperative Extension agents obtained parasitized weevils to release in local areas. The local Extension agents have been a great help on this project because we could never have released the infested weevil or collected the samples needed to monitor *aethiops*' results by ourselves," says Liebherr.

THE PROJECT began in 1969 at Gull Lake and is still in the buildup phase of distributing the weevils. Prospects for success are good, although it is difficult to predict at this time what the final control level will be.

The project has been funded by the Agricultural Experiment Station and supported in the field through the Cooperative Extension Service.

## State consumers experiencing lowest beef prices in over a year

The Michigan Beef Industry Commission had good news for consumers today. Dick Posthumus, the Commission's Executive Vice President, reported that the average price for five retail cuts the Commission uses as a price guide dropped to the lowest level since October of 1974.

The average price for these cuts in the major Detroit supermarkets was \$1.41 during the second week of February. This is down from \$1.58 recorded early in January and significantly lower than the \$1.92 average recorded at the price peak last summer.

Posthumus said a drop in beef prices was expected, but it was more significant and reflected in retail stores sooner than usual.

THERE WERE a number of factors combining to create the drop. They include a larger supply of higher quality cattle, a drop in demand after the holidays, and a quick reaction by retail outlets to pass on the reduced costs (as a result of lower live cattle prices) in the form of many beef specials. Certain steak cuts and Blade Chuck Roasts seem to have shown the most significant drop from the previous month.

According to the Beef Industry Commission spokesman there will probably be a little price change in the next month or two. However, he does suggest that consumers take advantage of the low beef prices now by stocking away a few steaks for the summer grilling season when the prices are likely to be back up to more normal levels.



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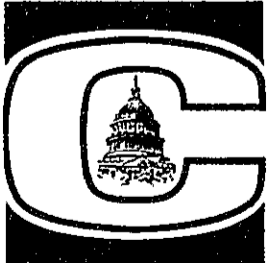
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## Trees are good news

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are good news.

Trees cool surrounding air as a result of water loss through transpiration. In this process, moisture moves from the soil through the trees to the leaves, where it is evaporated into the air. It has been estimated the cooling provided by one large shade tree is equivalent to that produced by five or more room-size air conditioning units.

Trees make good windbreaks. How effective they are depends on the tree density and wind velocity.

Spruce and pine trees are commonly planted for windbreakers in Michigan.

Leaves of trees are very effective in intercepting dust particles and filtering them from the air. A deciduous tree, like beech, that is 50 to 80 years

old has about 1,600 square yards of leaf surface to which dust particles adhere. Such a tree will intercept several pounds of dust throughout the summer. Evergreen trees are effective in removing dust from the air all year long.

Trees are desirable. They are nice to have around. If you have

space around your home or a few acres, plant trees.

I think there are many small acreages in the county where trees could be planted.

Here's where you can order trees at a very reasonable price: Clinton County Soil Conservation District, located at 100 South Ottawa Street, St. Johns - telephone 224-4318.

## Lighting the farm well

Good lighting for livestock feeding or crime deterrent can be an inexpensive yet efficient investment.

"High pressure sodium lighting fixtures use little energy yet create over 100 lumens per watt compared to 50 lumens per watt output for mercury vapor lights. Incandescent lights have a lumen output of about 20 per watt," says Truman Surbrook, Michigan State University

Extension agricultural engineer.

"For example, a dairy farmer might use just one sodium light on a 100-square-foot lot instead of two mercury lights, saving energy costs in the long run," says Surbrook.

SODIUM AND mercury lights should be used only if they are to be illuminated long periods of time. Turning them off and on drastically shortens their lifetime. In place of them, use incandescent bulbs.

When fluorescent lighting is used in farm buildings, the temperature should be at least 50 degrees or they will not work well. If it is below that, use low temperature starters and ballasts, covering the fixtures to help increase tube life.

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## Butter was farm's first dairy product

Butter was the main source of dairy income for many years, and it's said that excellent butter came out of Colonial springhouses. This was true even though little was known of the necessity for sterilizing utensils, and no refrigeration was available but cold spring water and ice. These methods of preserving were inadequate in the summer, when butter was salted down in wooden buckets and kept sweet in the springhouse until winter when the price was better.

The farm wife of the day took competitive pride in the quality of the butter which she sold to year-round customers - the village doctor,

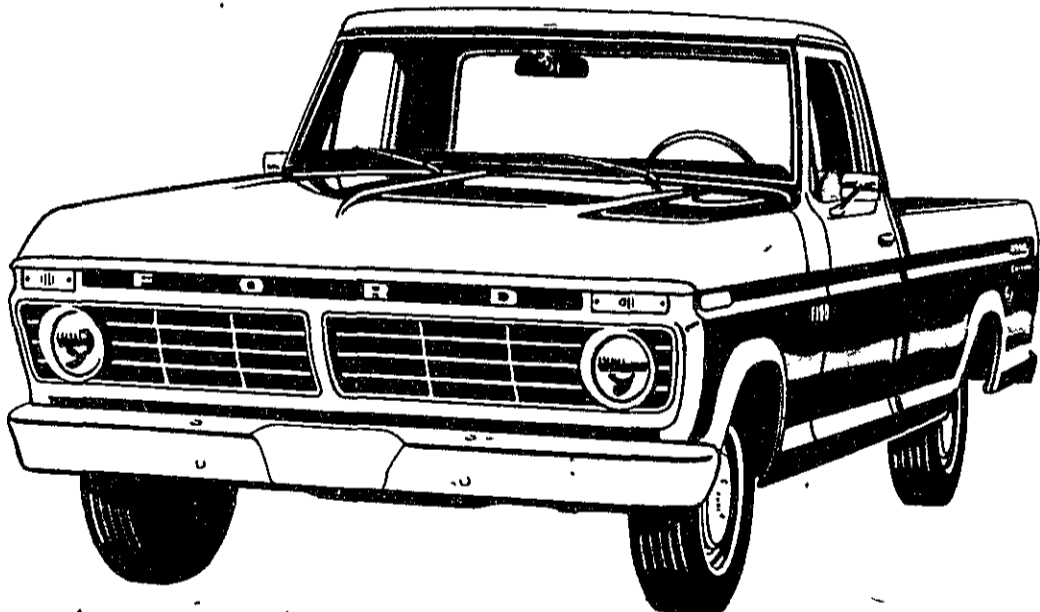
lawyer, banker or to the village store. Private customers paid her 15 to 20 cents a pound for butter, while the storekeeper paid only 10 to 12 cents either in cash or barter.

Production for sale as fluid milk was limited to farms near cities and towns where delivery could be made daily. In cities like New York and Philadelphia, dairy farmers in the early 1800's would trudge the streets weighted down with a yoke carrying two large kettles of milk "Here's the milk! Yo!" they'd call to let their customers know they were coming. Some farmers drove around in covered carts, selling their fluid bounty for six to ten cents a quart.

# 12 REASONS

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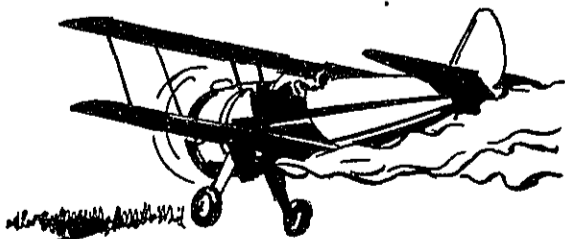
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# Weed control recommendations

## Corn

Good weed control in corn is an absolute for getting high yields.

You have a good choice of herbicides that can do a good job for you depending on your crop rotation and weed problems.

1. Continuous corn. Quackgrass is usually not a problem if you have been using AAtrex. Foxtail or fall panicum is usually the problem. Use 2 quarts Lasso plus 1 pound AAtrex pre-emerge.

2. Corn-Bean rotation. 2

quarts Sutan + plus 1 pound AAtrex preplant or 2 quarts Lasso plus 1 pound AAtrex pre-emergence. Some of you can get by with 1 to 1½ quarts Lasso or Sutan + if foxtail isn't too big a problem.

3. Corn, wheat, oats, or beets rotation. 1½ pounds

Bladex plus 2 quarts Lasso pre-emergence.

**LARGE LATE weeds in Corn** - Velvet Leaf, Milk Weed, etc. 1 pound AAtrex in oil when corn is 15 inches high or Banvel. Use extreme caution when using Banvel.

## Navy beans

For best results and season long weed control, a combination of the following preplant incorporated materials are recommended.

1 1½-2 pints of Cobex, Tolban, or 1-1½ pts. Treflan plus 1 quart of Eptam or 3 quarts of Amiben.

2. Eptam (1 quart) plus 3 quarts Amiben.

3. If nightshade is a problem preplant incorporate Amiben (3-4 quarts) with either 1½-2 pts. Cobex, Tolban or 1-1½ pts. Treflan.

## Soybeans

For best control of broadleaves and grasses a preplant incorporated treatment of Treflan or Cobex (1 pint) or Tolban (1½ pints) followed by an overlay treatment of Amiben (4 quarts), Sencor (¾ lbs.), or Lorox (1½ lbs.) are recommended. Sencor will give some control of jimson weed and cocklebur.

If broadleaves are the only problem then pre-emergence application of Sencor (¾ lb.),

Lorox (3 lbs.), or Maloran (4 lbs.) will do a good job. If velvet leaf or cocklebur are a problem use 1 lb. of Sencor.

A combination of the above with Lasso usually gives better crop tolerance than one chemical alone.

BASAGRAN can be used as a post-emergence spray for cocklebur, velvet leaf, and nutgrass control.

For more information of Weed Control: See Michigan State University Weed Control Bulletin E-434.

## Salt may damage plants

When the roads are icy, those big ugly salt trucks can look positively beautiful. What deicing salt does to landscape plants, however, is often not so pretty.

Symptoms of salt injury to evergreens include drying and browning of needles. Dieback and witch's broom-like growth occurs on deciduous species like red oak, beech and crabapples.

"Some ornamental plants are more tolerant than others to

flying salt spray or salt on the soil," says Harold Davidson, Extension horticulturist at Michigan State University.

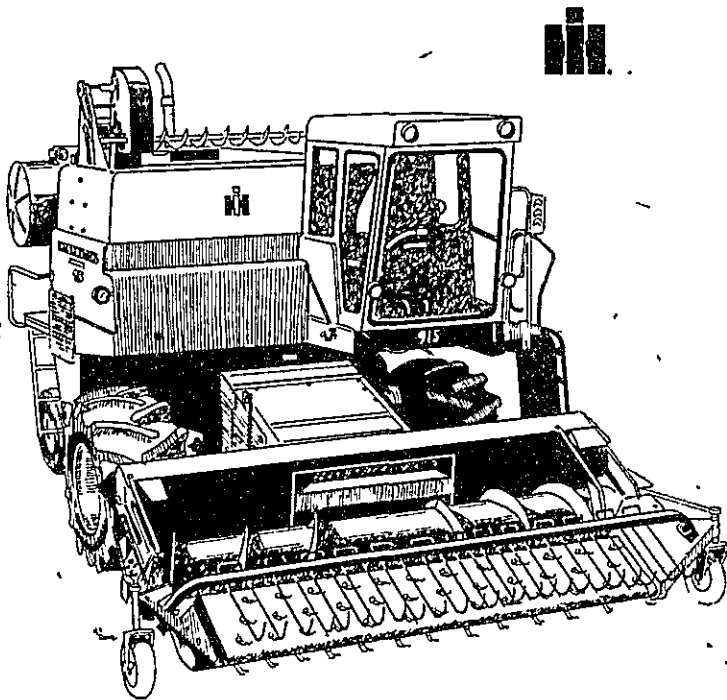
"When you're choosing plants for locations near salted streets or highways, it's a good idea to choose those that are known to be salt tolerant."

**HONEY LOCUST**, the Norway maple, the blue spruce and Austrian pine are some of the best trees for areas where salt spray is a threat. The Japanese

maple, box elder, white spruce, red pine, white pine, Scotch pine and English yew, on the other hand, are very susceptible to damage by salt spray. Oaks are also likely to be injured.

Most shrubs are susceptible to salt injury, including most of the barberries, dogwoods, euonymus, honeysuckle, firethorn, elder, viburnum and coralberry. Most grasses, vine and ground covers, on the other hand, are at least moderately tolerant.

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# Extension office lists herbicide cost averages

Rates are expressed as the herbicide would come from the container.

Final figure expresses the cost per acre.

### CORN

#### Pre-Plant

Bladex - 1½ + Lasso 2 qts. - \$4.75 + \$6.92 - \$11.67.  
Bladex 1½ + Sutan Plus 2 qts. - \$4.75 + \$6.51 - \$11.26.  
Aatrex 1¼ + Sutan Plus 2 qts. - \$3.38 + \$6.51 - \$9.89.  
Aatrex 1¼ Eradicane 3 qts. - \$3.38 + \$15.15 - \$18.53  
Bladex 1½ + Eradicane 3 qts. - \$4.75 + \$15.15 - \$19.90.

#### Pre-Emergence

Aatrex 1¼ + Lasso 2 qts. - \$3.38 + \$6.92 - \$10.30.  
Bladex 1½ + Lasso 2 qts. - \$4.75 + \$6.92 - \$11.67.  
Banvel ¾ pt. - \$3.03 + \$6.92 - \$9.95.  
Aatrex 1¼ + Princep 2½ - \$3.38 + \$8.02 - \$11.40.  
Prowl 4E (1½ qts.) Can Be Used in Place of Lasso + Princep - \$9.55.

### Post-Emergence

Banvel ½ pt. - \$2.02.  
24D (amine) 1 pt. - .75.  
Aatrex 2½ lbs. + Emulsifier Concentrate 1 qt. - \$6.76 + \$1:10 - \$7.86.

Bladex 80W 3 lbs. (Emergency Use Only) - \$9.51 - \$9.51.  
Outfox 3 qts. (Emergency Use Only) - \$9.54 - \$9.54  
Evik 2 lbs. + Surfactant 1 pt. (Emergency Use Only) - \$6.90 + \$1.35 - \$8.25.

### SOYBEANS

#### Preplant followed by

Preemergence  
Treflan 1 pt. + Amiben 4 qts. - \$3.36 + \$10.81 - \$14.17.  
Treflan 1 pt. + Lorox 1½ lbs. - \$3.36 + \$5.13 - \$8.49  
Treflan 1 pt. + Sencor ¾ lb. - \$3.36 + \$5.67 - \$9.03  
Cobex 1 qt. + Amiben 4 qts. - \$5.04 + \$10.81 - \$15.85.  
Cobex 1 qt. + Lorox 1½ lbs. -

\$5.04 + \$5.13 - \$10.17.  
Cobex 1 qt. + Sencor ¾ lbs. - \$5.04 + \$5.67 - \$10.71.  
Tolban 1½ pts. + Amiben 4 qts. - \$6.18 + \$10.81 - \$16.99.  
Tolban 1½ pts. + Lorox 1½ lbs. - \$6.18 + \$5.13 - \$11.31.  
Tolban 1½ pts. + Sencor ¾ lbs. - \$16.18 + \$5.67 - \$11.85.  
Preemergence  
Lorox 1½ lbs. + Lasso 2 qts. - \$5.13 + \$6.92 - \$12.05.  
Amiben 6 qts. - \$16.20 - \$16.20.  
Amiben 4 qts. + Lasso 2 qts. - \$10.81 + \$6.92 - \$17.73.  
Amiben 4 qts. + Lorox 2 lbs. - \$10.81 + \$6.84 - \$17.65.  
Lorox 3 lbs. (Not on Sandy Loam Soils - \$10.26 - \$10.26.  
Maloran 2 lbs. (Can Be Used in Place of Lorox - \$6.80 - \$6.80.  
Sencor ¾ lbs. + Lasso 2 qts. - \$5.67 + \$6.92 - \$12.59.  
Sencor 1 lb. (Some injury may occur on sandy soils or with high rainfall) - \$7.56 - \$7.56.  
Postemergence  
Basagran ¾ qt. - \$13.98 - \$13.98.

### FIELD BEANS

#### Preplant

Eptam 1 ½ qts. - \$6.13.  
Treflan 1½ pts. - \$5.02 - \$5.02.  
Cobex + Eptam 1½ pts. + 2½ pts. - \$5.80 + \$5.11 - \$10.91.  
Treflan + Eptam 1 pt. + 2½ pts. - \$3.36 + \$5.11 - \$8.47.  
Tolban + Eptam 1½ pts. + 2½ pts. - \$6.18 + \$5.11 - \$11.29.

#### OR

Cobex + Amiben 1½ pts. + 4 qts. - \$5.80 + \$10.81 - \$16.61.  
Eptam + Amiben 2½ pts. + 4

qts. - \$5.11 + \$10.81 - \$15.92.  
Treflan + Amiben 1 pt. + 4 qts. - \$3.36 + \$10.81 - \$14.17.  
Tolban + Amiben 1½ pts. + 4 qts. - \$6.18 + \$10.81 - \$16.99.  
Preplant and Preemergence  
Eptam + Amiben 2½ pts. + 4 qts. - \$5.11 + \$10.81 - \$15.92.  
Treflan + Amiben 1 pt. + 4 qts. - \$3.36 + \$10.81 - \$14.17.  
Cobex + Amiben 1½ pts. + 4 qts. - \$5.80 + \$10.81 - \$16.61.  
Tolban + Amiben 1½ pts. + 4 qts. - \$6.18 + \$10.81 - \$16.99.

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## A walk over your land can tell you things

Have you walked over your land in the past year? Have you evaluated its need for erosion control? Have you studied the drainage pattern of each field and checked for signs of erosion?

Perhaps you have already noticed that each year, the ground gets a little higher on one side of the fence than the other or that small deltas or sand and silt deposits get a little deeper and longer where the water spreads out at the end of a natural watercourse. If you haven't checked your land or have already noticed erosion problems, it would be a good

idea to review some of the causes and cures for erosion. Perhaps you feel you know the main problem areas on your farm and follow a good conservation plan. However, the land is always changing and new problems can arise by merely changing the rotation or farming a field in a different direction. Even the neighbor above or below you could clear some land or make a change that would affect the erosion hazard on your farm.

You should be aware of the ever changing effect climate has upon the land and do those management practices that minimize erosion and control water flow.



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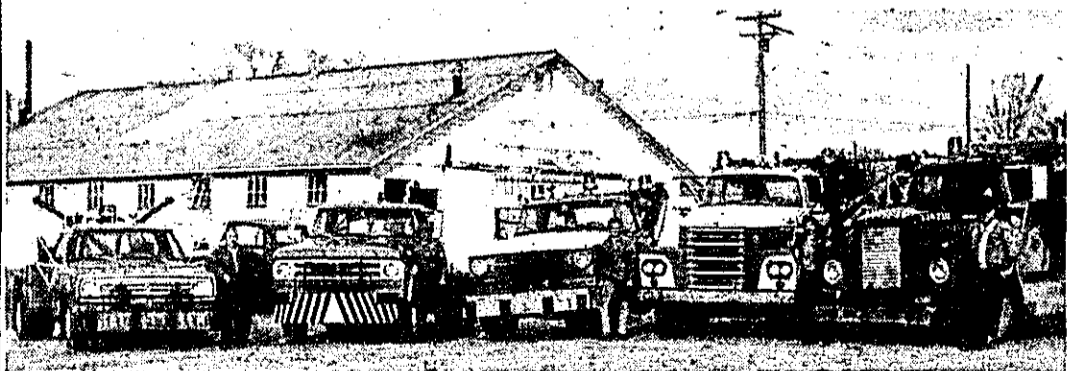
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# When harvest time arrives, safety is even more important

By Bill Lasher  
Extension Agent

Staying alive is a good idea and it takes a little thought, and judgment and luck to do a good job of staying alive.

Safety should be on your mind when operating farm equip-

ment, especially harvesting equipment, because harvesting equipment — choppers, combines or corn pickers all have a way of getting the crop into the machine. And the machine doesn't know or care if its corn or soybeans or you that goes into it.

It will do its job of chopping silage or separating the grain from the chaff. If you get too closely involved with one of these machines, you could be chopped or separated just as the crop would be. The machine may not succeed in putting you through it, but you'll be the

worse off, that's for sure.

I recently read some guidelines for living to a ripe old age. First, pick your parents! If they lived to be 90 years of age, your chances of living that long

So when running farm machinery — read the operator's manual and its are better than if your parents lived only to age 40. Second, do things in moderation and third look both ways before crossing the street, that's called safety.

comments on safe machine operating, keep all shields and guards in place, stop the machine before getting off and shut down the power before making adjustments, wear tight fitting clothing that won't get caught in the machine.

In living a long life, don't trust to luck too often, remember to look both ways when crossing the street and to operate harvesting machinery in a safe manner.

## Don't guess, soil test!

That seems to be a familiar phrase but it still means a lot. Any time now is a good time to take a soil sample and bring it in for testing.

For general rotation crops, soils should be tested once every 3 years. There is an advantage to testing the last sod year of a rotation because lime, if needed, can be spread before breaking the sod.

Before sampling a field, size it up for differences in soil characteristics. Consider its productivity, topography, drainage, color of top soil and post management. If these features are uniform throughout the field each composite sample can represent 10-20 acres. If there is a great variation in these features, divide the field ac-

ordingly, and take a soil sample from each predetermined area. From each predetermined area prepare a composite sample by taking 20 samplings consisting of vertical cores about 1/2 inch square and to plow depth. These should then be well mixed and then put in a small bag or box. A shovel, trowel auger or probe could be used to take the soil sample.

Avoid sampling unusual

areas unless you sample and package them separately as those close to gravel roads, dead furrows, underbrush piles, or old fence rows or previous locations of manure piles.

You can make more money using the best analysis and correct amount of fertilizer and the best way to determine the kind and amount of fertilizer to use is by soil test.

### Farm receipts drop in 1975

Cash receipts from farm marketings in Michigan decreased to about 1.70 billion dollars in 1975 reports the Michigan Crop Reporting Service, Michigan Department of Agriculture. This 4 percent decline from the 1974 record

high of almost 1.75 billion dollars ended a six year period of rising receipts to Michigan farmers. Only three months in 1975 (May, September, and November) showed income above those reported in the preceding year.

For the third straight year, crops brought more money to farms than did livestock and livestock products. In 1975, about 56 percent of farm receipts were from crop items. However, cash receipts for crops were off 9 percent from a year earlier, farmer sales of crops totaled \$950 million, compared with \$1,050 million in 1974. April, May, and November were the only months with receipts that exceeded those reported in 1974.

In 1975, livestock and livestock product marketings amounted to \$732 million, 4 percent above the 1974 total of \$707 million. Receipts during the year started out below 1974 for livestock producers.

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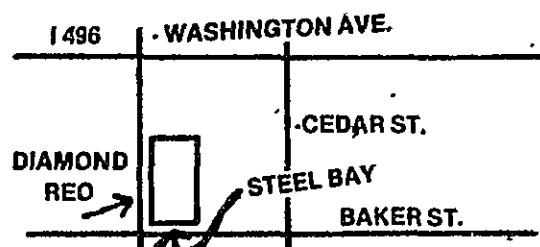
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# Pickling corn--preventing spoilage with organic acid

Pickling corn, or treating it with an organic acid to prevent spoilage, is an alternative to drying or putting high moisture corn in a silo. Shelled corn with 15 to 36% moisture can be preserved by addition of propionic acid or a mixture of propionic and acetic acids. Experiments in Wisconsin, Minnesota, Canada and other locations have shown mold growth was completely

inhibited in corn treated this way. The corn was placed in piles on the floor protected only top and bottom with sheets of plastic, or in unsealed bins.

Corn preserved with an organic acid can only be used for livestock feed. It cannot be used on grain intended for human consumption. Also, the acid inhibits germination, so should not be used on seed grain.

The amount of material to use depends on the moisture content of the grain. The acid must coat all sides of the grain to be effective. There are several makes of applicators available which can apply the material to all sides of the material effectively.

Acid treated corn must be protected from the elements. If

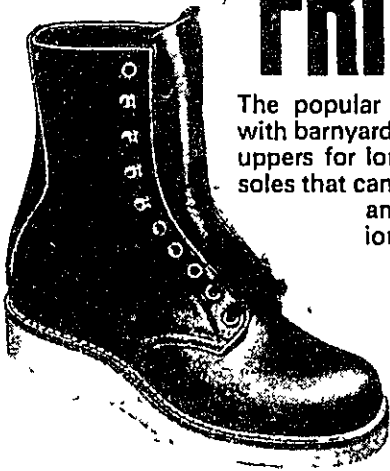
snow or rain gets on the corn, the grain moisture will be too high for the amount of acid used or the acid will be washed off and the corn will mold.

The materials used are corrosive, so metal bins need to be protected by covering with plastic or a special paint. Concrete may be pitted, so plastic should be used on concrete floors. Wooden bins are

not affected by the organic acids.

It looks to me that organic acid treatment of high moisture corn (pickling corn) is another way to prevent spoilage. It may be considered as an alternative to drying, or ensiling as high moisture corn. Also, where silo storage conditions are poor, the use of organic acid treatment may be good insurance for preserving high moisture corn.

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## Alfalfa and fertilizer

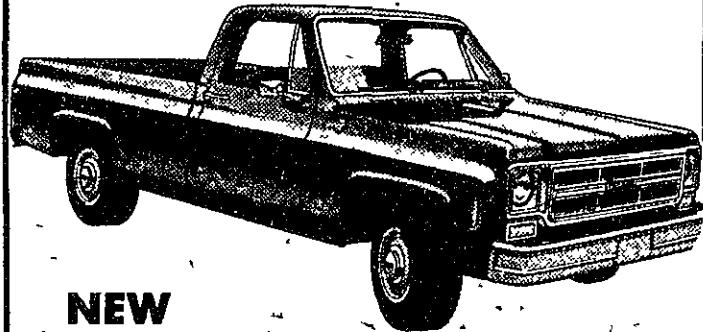
A good fertilization program helps alfalfa through the winter. Fall application of fertilizer especially potash reduces winter kill, in fact you can see almost to the row where the fertilizer wasn't applied or skipped.

On well managed, fertile land seven tons of alfalfa is not out of line, and seven tons will remove 84 pounds of phosphate and 315 pounds of potash, equivalent to 700 pounds of 0-14-42 fertilizer. A good fertilizer program for alfalfa, according to soil test, will not only increase yield but help protect against winter damage and losses due to heaving.

### Agriquotes . . .

The German farmers have large and profitable gardens near their homes. These contain little else but useful vegetables. The country is indebted to the Germans for the principal part of her knowledge of horticulture — Benjamin Rush.

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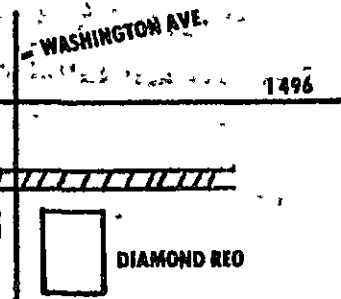
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# Gadget keeps pickles from blowing tops

The possibility of lower commodity prices, particularly corn and beans, should dampen land price increases. "If the U.S. corn crop were to average 95 bushels per acre - a higher yield than likely but well within the realm of possibility - corn prices would be under substantial pressure," Black says.

such a situation, he says, would make it difficult if not impossible for many cash crop producers to meet \$100-per-acre payments for either cash rent or principal and interest. This level of payments exists in many areas today.

With corn at \$2.50 per bushel and nonland expenses at twice 1967-69 levels, cash returns per

acre to land are 2.25 times higher than they were in 1969. At \$2 a bushel corn, they are equal to 1969 levels.

"FARM OPERATING costs are expected to rise over the next five years but crop prices, on the average, will be under downward pressure. Profits that might be capitalized into higher land prices will be squeezed," Black says.

The squeeze, however, may not force land prices to drop significantly. Substantial recent machinery purchases and generally high levels of liquidity will tend to cause farmers to pay relatively high prices for small contiguous tracts of land.

"There is justification for developing 'sliding' cash rent schemes to reduce risks. If crop prices rise, the landowner receives a larger share. But the owner must be willing to take a smaller share if the bottom drops out of the market," Black says.

"The higher base from which the market is now operating and contributing price factors, suggest moderate land price growth. But even at a three percent rate, the increase in value would be one-third by 1985," Black says.

Expectations of significant capital gains are required to justify current high prices and the ability to meet equity and repayment requirements will determine who will be buying land.

A team of Michigan State University scientists has developed a simple gadget that keeps pickles from blowing up like balloons during preprocessing storage.

The problem is caused by carbon dioxide gas dissolved in the pickling brines, according to microbiologist Ralph N. Costilow and food scientist Clifford L. Bedford. It invades the pickles, returns to gas form and destroys their internal structure. The CO<sub>2</sub> is formed by certain yeasts involved in the natural fermentation that occurs when the pickles are first

put into brine solutions for storage.

"This problem has been the subject of basic research by many scientists throughout the world for at least 30 years," said Dr. Costilow. "Without this background we probably couldn't have made this breakthrough even though it is quite simple in both concept and design."

THE DEVICE that Costilow and Bedford developed uses inert nitrogen gas to purge CO<sub>2</sub> from the brine and, at the same time, circulates the liquid to

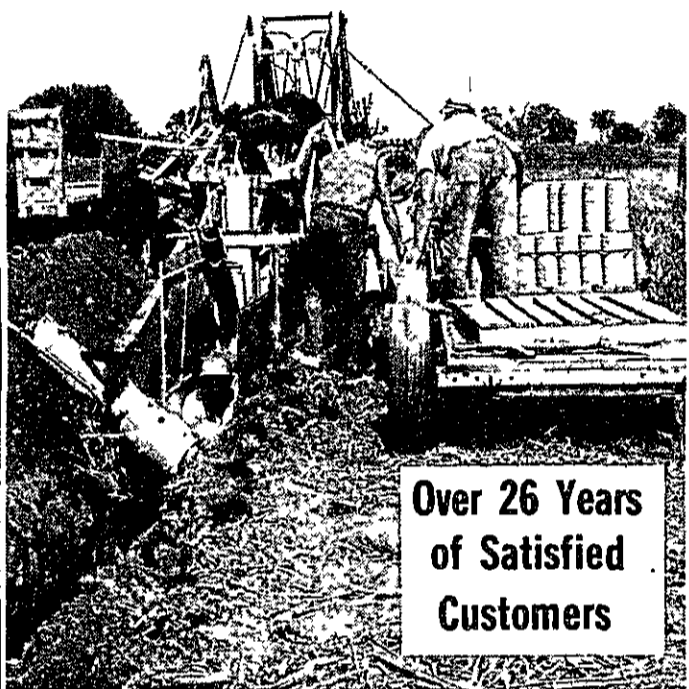
maintain uniform low levels of dissolved carbon dioxide. As the nitrogen bubbles through the brine it causes the dissolved CO<sub>2</sub> to return to gaseous form and then escape at the surface of the huge pickling tanks.

"This device means an end to a problem that has influenced prices at both the grocery counter and the farm," said Costilow.

Under the current brine storage system CO<sub>2</sub> bloated pickles are so common that 60 percent of the large pickles for

(Concluded on page 17)

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## A Farmer's Creed

I believe a man's greatest possession is his dignity and that no calling bestows this more abundantly than farming.

I believe hard work and honest sweat are the building blocks of a person's character.

I believe that farming, despite its hardships and disappointments, is the most honest and honorable way a man can spend his days on this earth.

I believe farming nurtures the close family ties that make life rich in ways money can't buy.

I believe my children are learning values that will last a lifetime and can be learned in no other way.

I believe farming provides education for life and that no other occupation teaches so much about birth, growth and maturity in such a variety of ways.

I believe many of the best things in life are indeed free: the splendor of a sunrise, the rapture of wide open spaces, the exhilarating sight of your land greening each spring.

I believe true happiness comes from watching your crops ripen in the field, your children grow tall in the sun, your whole family feel the pride that springs from their shared experience.

I believe that by my toil I am giving more to the world than I am taking from it, an honor that does not come to all men.

I believe my life will be measured ultimately by what I have done for my fellowman, and by this standard I fear no judgment.

I believe when a man grows old and sums up his days, he should be able to stand tall and feel pride in the life he's lived.

I believe in farming because it makes all this possible.

SPERRY NEW HOLLAND

Keeping Faith with the American Farmer...

A Bicentennial Tribute

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# Siphoning gasoline may be deadly

Siphoning gasoline from a tank or vehicle may save you the extra time it takes to go to the gas station - permanently.

"It is an extremely hazardous practice that many people do not understand. Too often a person is found dead beside his automobile with the siphon still spraying gasoline on the ground," says Howard J. Doss, Michigan State University Extension safety specialist.

Medical studies show that gasoline and other petroleum distillates, including kerosene and lighter fluid, can cause

serious consequences when inhaled or injected.

A great danger is potential harm to lungs. When gasoline is taken into the mouth, some of the vapors enter the lungs where it causes immediate irritation and tissue damage. The destruction of this tissue, in turn, causes the lungs to fill with fluid, causing pneumonia.

"Gasoline also enters the bloodstream and can slow breathing and heart function. All these reactions may take only a few seconds and death may result in a matter of minutes," Doss says.

Keep gasoline and other petroleum distillates in originally labeled containers, out of the reach of children, Doss suggests, and he adds three other precautions:

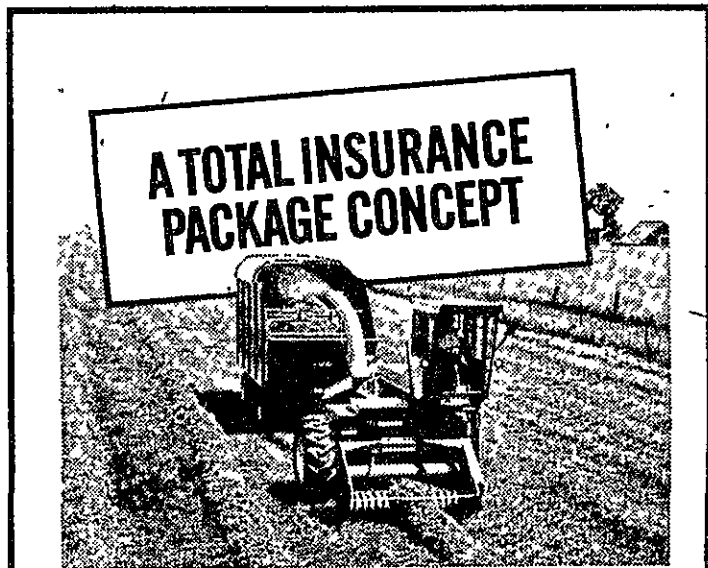
-Never attempt to siphon gasoline or any other petroleum distillate by mouth.

-If you must siphon, buy a mechanical siphon at the hardware store. The few dollars spent could save your life.

-Be extremely careful when handling gasoline in cold weather. Just spilling gasoline

on your skin can cause frostbite or burns, because the gasoline

evaporates rapidly, causing the skin temperature to super cool.



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## GADGET KEEPS

(Concluded from page 16)  
use in making dill chips are effected. These bloaters must be screened out because they are only suitable for relish. The total loss in value of the pickles is 60 to 70 percent, according to Costilow.

The new purging device reduces the dissolved CO2 levels in pickling brines by 75 percent. Tests indicate that the number of bloaters drops from about 60 percent to around 10 percent. "Using the standard 1,000 bushel pickling tank, this means a savings of about \$1,000," said Costilow.

"THE DEVICE costs about \$100 to operate during the crucial first two weeks of the brining process, so the end profit is \$900.

"We hope that this will be reflected in lower prices at the grocery store and higher prices at the farm," Costilow said.

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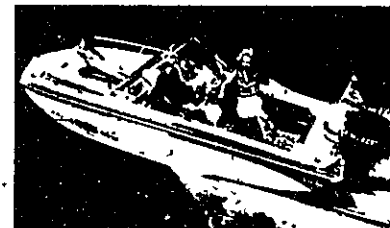
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## USDA implements revised beef grade standards, continues studies

Revised U.S. grade standards for carcass beef, designed to improve the accuracy for measuring eating quality and identifying yield of saleable beef, went into effect Feb. 23, according to the U.S. Department of Agriculture (USDA).

Officials of USDA's Agricultural Marketing Service (AMS) said although the

changes are not drastic, they will add precision and efficiency to beef production and marketing.

Immediate effects of the changes on consumers will be threefold, according to AMS officials. There will be slightly leaner beef in the Prime and Choice grades, a redesigned and more restrictive Good

grade, and a more uniform eating quality of beef in the Good and Choice grades.

AMS OFFICIALS cited the most significant effect, however, as a long range one—a possible reduction in the amount of excess fat on high quality beef. This could result from the requirement that all federally graded beef be graded for either quality or yield or both.

The use of both quality and yield grades will provide a more precise measurement of factors that affect the carcass

value. This could provide the guidance and financial incentive needed to encourage increased production of meat-type cattle. Such high-value cattle have thickly muscled carcasses with high quality lean and a minimum of excess fat.

AMS officials said the revised grade standards will be under close surveillance to determine their use and effectiveness. Development and improvement of grade standards is a continuing function that involves USDA's evaluation of information from its own

research and that of State experiment stations and private industry. New studies also are initiated as specific needs for information are identified. One study planned after the revised standards have become fully established will be to determine their economic effects under market conditions.

The changes were previously scheduled to become effective in April 1975, but were postponed by a series of court actions.

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FOWLER

## There are three corn rootworm types

The corn rootworm comes in three types: the Northern, Western, and Southern. The Northern is by far the most common in Michigan and in the country, although the Western has been found in the southwest corner of the county.

The corn rootworm has two bad habits. First, as a larvae, he eats the roots of the corn plants, causing lodging and weakened plants, due to the loss of roots. Second, as an adult, he feeds on the silks of the ear and, if he chews them off early enough in the season, the ear will have reduced seed set.

By far, the lodging caused by the larvae eating the roots is the worst of the bad habits. In most years he will emerge from the soil as an adult late enough in the year that nearly all the seed is set.

The lodging starts right at ground level, not part way up as is the case with stalk rot, and the stalks are usually curved (goose-necked) near their bases. This lodging, starting at the soil surface, greatly interferes with or prevents

mechanical harvesting of the corn.

The rootworm has only one generation a year. It lays its eggs in the fall in the cornfield and they overwinter as eggs.

(Concluded on page 24)

**GARAGES**

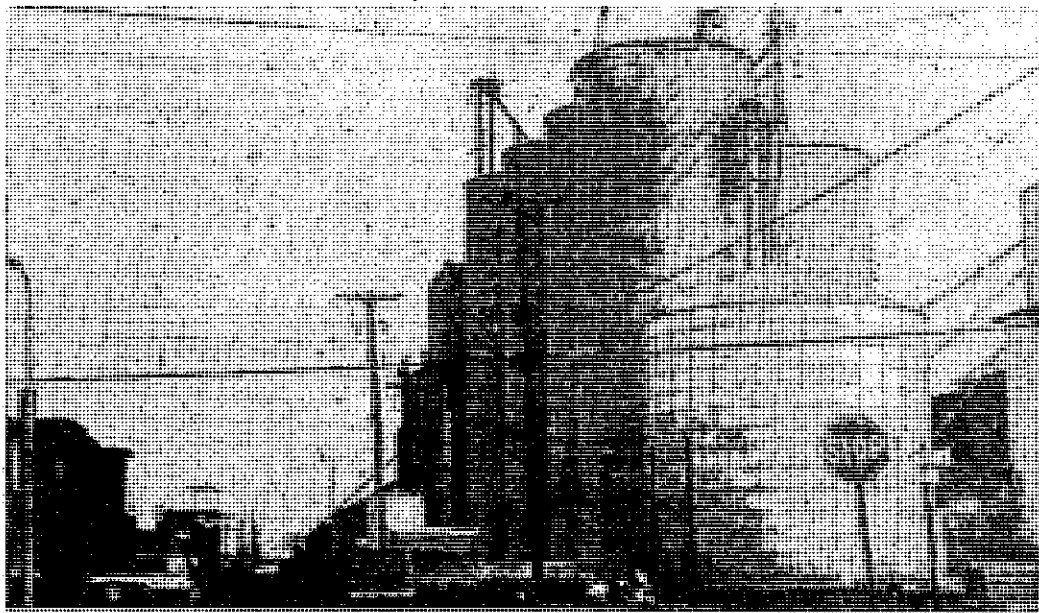
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# State chairman explains ASC committee system

Agricultural Stabilization and Conservation Service, commonly referred to as ASCS, is the agency of the United States Department of Agriculture (USDA) which carries out various action programs in the general field of farm price support, production adjustment and conservation assistance, according to Robert Zeeb, Chairman of the Michigan State Agricultural Stabilization and Conservation Committee.

The entire program is operated by a committee system. There are three committees in the system -- a State, county and community committee. The three, farmer-members of the ASC State Committee are appointed by the Secretary of Agriculture on January 1 of each year from different, geographical areas representing major types of farming in the State. Each farmer on the State Committee must have had actual experience as a farm operator and must have a substantial interest in farming at the time he is nominated. The State Director of Cooperative Extension Service is, by law, designated

as an ex-officio member of the committee.

The State Committee employs a State Executive Director; with the assistance of the State Executive Director, the State Committee administers State and county programs through the various county offices, Zeeb stated.

THE COUNTY Committee, consisting of three persons, are elected for staggered, 3-year terms. Each year, one new County Committeeman is elected for a 3-year term. A County Committeeman is restricted to serving not more than three consecutive terms in office. The County Committee formulates local policy within the limits of guides set by laws passed by Congress and regulations issued by the Secretary of Agriculture and the State Committee.

Zeeb further explained that the County Committee selects a County Executive Director who is in charge of the day-to-day operations of the county office, as the State Executive Director is in the State office. The County

Executive Director, in turn, employs the necessary office and field personnel. The County Extension Agent serves as an ex-officio member of the County Committee.

Community Committees consist of three persons who are elected annually by farmers, Zeeb stated, and serve a 12-month period beginning January 1 and ending December 31. These committees assist the County Committees in carrying out ASCS farm programs at the "grass-roots" levels. We have 69 county ASCS offices located in 83 counties in Michigan.

Zeeb noted that the ASC farmer-committee system is unique. No other group of citizens has so direct a voice in running Government programs. For over 30 years, these committees have served the country effectively and unselfishly in operating farm programs authorized by Congress. It is a well-known fact throughout the country that committeemen are the heart of ASCS program operations. These men determine their neighbors' individual wheat and feed grain allotments. They formulate local conservation programs and act as impartial judges in a variety of cases. They also make determinations and recommendations to the Secretary and to Congress, involved in the administration of farm programs.

ZEEB STATED that in a constant search for ways in which to serve the farm community better, much of the routine work in ASCS is being automated. Also, Agricultural Service Centers are being formed throughout the United States. Agricultural Service Centers are simply a collocation of all USDA agencies possible, in one building, in one location, so that farmers may have one-stop, agricultural service.

The only reason for existence of ASCS is to help conserve agricultural resources and to assist in the stabilization of supplies and prices. Since its inception in 1933, ASCS has

moved from an era of great oversupply and increased demand for agricultural products all over the world, Zeeb said. The primary concern of ASCS and the entire Department of Agriculture is to insure an adequate supply of food at a fair and reasonable price to both producer and consumer. With today's short-world food supply and the great increase in the cost of agricultural production, the problems and burdens of the Agricultural Stabilization and Conservation Service Office are more important and greater than they have ever been -- to both consumer and producer.

## Plants contribute to society

"Plants are what you make of them," stated Dr. H. John Carew, chairman of the horticulture department at Michigan State University.

During a recent speech to students in a class on indoor plants and flowers, Carew described the many ways green growing plants contribute to society. He said that plants can

be a teaching aid in a classroom for identification, plant care and propagation.

"Plants are a food source for humans and animals. Landscape and natural plants offer food and shelter to many types of wildlife which, in turn, give viewing enjoyment to humans."

(Concluded on page 32)

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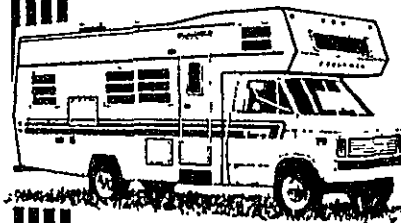
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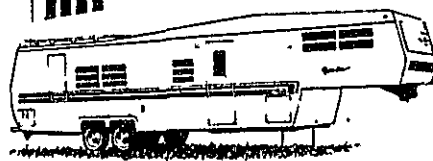
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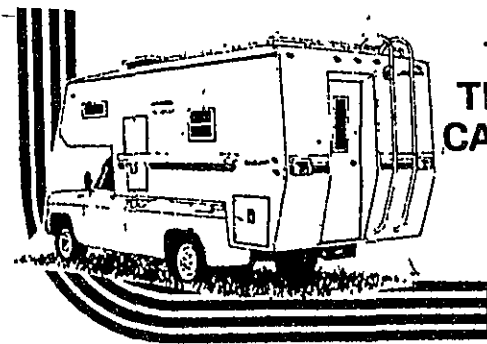
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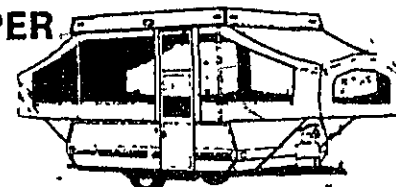
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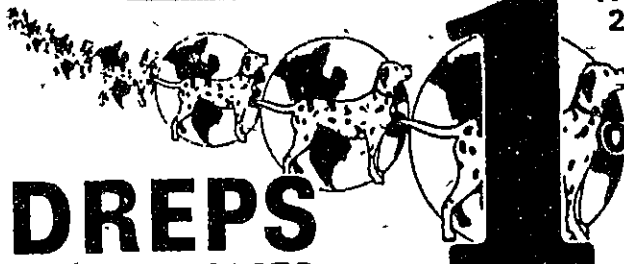
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# A look into the future

By Patrice Hornak  
News Feature Writer

What will agriculture be like in Clinton County during the next ten years? This writer recently interviewed two men who work very closely with area farmers: Jim Pelham, County Extension Director, and Bill Lasher, Agricultural Agent.

## HOW WILL SIZES OF FARMS CHANGE?

Both men agree the successful, larger farms will continue to grow and become more common. Pelham believes we will continue to have a considerable number of small farms, but adds that many of his co-workers in other counties disagree.

His reasoning for this is our proximity to Lansing. Rural residents in this county have several employment options. The prospect of earning a living in the city and living in the country has a lot of appeal. "A small farm is a good place to live and raise a family," he supported.

If the large farms are to increase in size and the small ones are to very nearly hold their own, where are the acres going to come from?

Pelham and Lasher agree the next few years may be tough on middle-sized operations—those with 120 to 240 acres, possibly with small milking herds or other livestock. Some of these are doing pretty well right now with middle-aged operators, who are well established and have relatively low debt.

Where the bind comes is when a young owner takes over and begins paying today's inflated prices for everything he uses, from land to machinery. In fact, even the present operators may find themselves under pressure when they have to replace worn out machinery at prices more than fifty percent higher than they were two years ago.

One-man dairy farms have become extremely unpopular in recent years. "Farmers continue to be some of the hardest working people in the world, but they know other people get occasional weekends off and take regular vacations, and they deserve the same," quipped Pelham. Additional employees mean no one has to work seven days a week the year around.

Lasher sees more specialized and consolidation ahead. "Farms won't have 80 acres here and 80 acres there," he said. "Instead, the acreage will be combined into a larger nucleus of acreage." Running up and down the road with heavy equipment is costly even when mounted on rubber tires.

Another factor expected to play an important part in Clinton County farming during the next 10 years is land use planning.

Clinton has led the way among outstate Michigan counties in both planning and zoning from the very beginning. To top that off, one of the nation's land mark cases involving farms and a farm odor problem was held right here in the county.

In that instance, a swine producer was allowed to stay in business, but the outcome was shaky enough no farmer feels quite the same security he had previously.

Not only is he in jeopardy in building new animal facilities near homes, but it is pretty well established that unless he does about everything possible to control odors, he may very well be forced to cease and desist upon complaint of new neighbors, even though he was there first.

This makes odor and pollution control of great importance in the design and location of buildings and facilities for keeping livestock. A similar problem could develop, if a spray drift damaged a neighbor's lawn, flowers or shrubs.

Tomorrow's farmer will be a careful person, very knowledgeable and cognizant and considerate of his neighbor's rights and wishes.

## HOW PROFITABLE WILL AGRICULTURE BE IN THE FUTURE?

Both men agree the long-term outlook is great, but there will be periodic ups and downs that will be tough on the underfinanced or unestablished.

Right now, grain and bean prices are way too low, without too much improvement expected for this year's crop. Pork prices have been good, but that is largely because there aren't many pigs to sell.

It looks as though beef is definitely on the upgrade after nearly 3 years of disastrous prices and the dairymen that have suffered their lumps in the past have a lot to be encouraged about.

What's the picture for part-time operations? There have to be big differences in commodities to be grown. "Looks as though there are some real good possibilities for expanding in specialized areas, such as truck garden, small fruits and nurseries," says Pelham.

The picture for small beef operations is about so-so, according to Lasher. Neither real good or real bad:

"Pork production has traditionally been fairly profitable on a small scale," says Pelham, "but with dairy it's a different story. It's been years since you could make a good living on a herd of less than 30 cows, and it doesn't look as though it will be long before 100 will be a minimum. That stainless steel equipment to keep milk clean and pure comes expensive!"

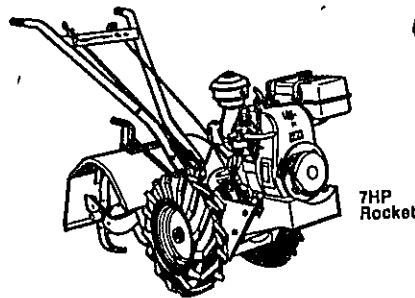
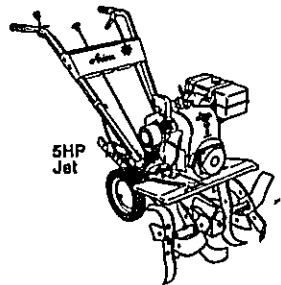
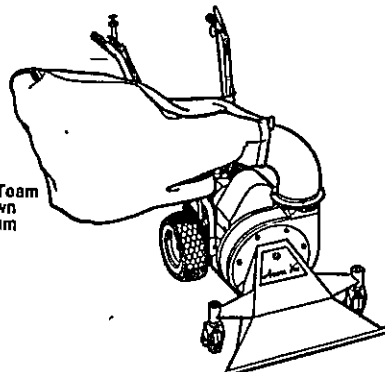
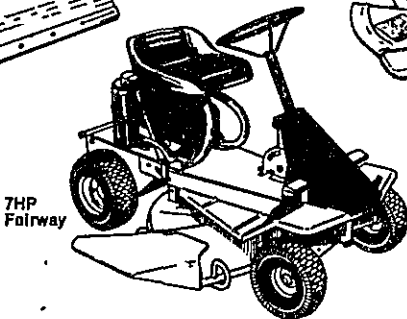
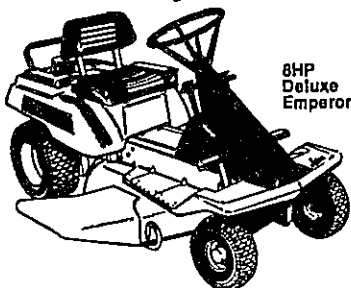
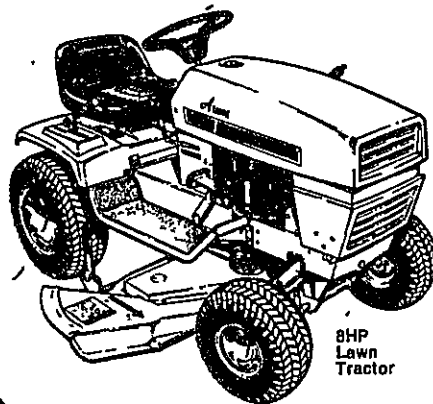
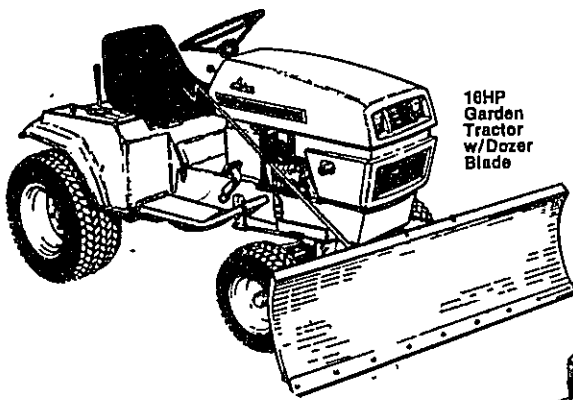
All farmers are going to have to be more energy conscious, too, Lasher was enthusiastic in describing the success of a number of county farmers in raising crops without plowing the land.

This new practice has been made possible largely by new and effective herbicides to control weeds. He says this has had its greatest success with corn, but predicts the technology will develop to make it practical on other crops.

Pelham believes oxygen excluding or sealed silos will largely replace artificial drying and conventional bins for feed grains.

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(Concluded on page 21C)

# Farm women say lives are rewarding, exciting and liberated

By Patrice Hornak  
News Feature Writer

The role of women has changed considerably over the past few years, and it continues to change. But, has the women's rights movement affected women on the farm?

In order to learn the answer to this question, this reporter talked with several Clinton County women who live on farms. The women were asked about their duties, related to their farms, their responsibilities in the home and their opinions of life on a farm today.

## DUTIES AND RESPONSIBILITIES

As women in the cities gather to protest unfair labor practices based on discrimination in their jobs, women in the farming communities are becoming more and more involved with their business of farming without a bit of publicity.

Cases are brought to court suing employers because they won't hire women for strenuous occupations while farm women are hopping on the tractors and tossing bales of hay.

Farm women are keeping the books for the \$100,000 farm operations and are involved in making important decisions with their husbands concerning their business.

Has the women's liberation movement affected the farm wife? Maybe it has but farm wives don't recognize it as a

liberation movement—they are only doing their part to keep the farm running and their husbands and families happy.

And, what is maybe just as important, is the fact that farm women are keeping themselves happy, as all Clinton County farm wives admitted.

The responsibilities of the farm wife differ from farm to farm, depending upon the type of farm, the size of the farm operation and the age of the farm wife.

The responsibilities of the farm wife differ from farm to farm, depending upon the type of farm, the size of the farm operation and the age of the farm wife. However, one duty performed by all women consulted was that of doing the bookkeeping.

"YOU HAVE TO HAVE good records," stressed Mrs. Marie Woodham of St. Johns. The Woodham's own the Beef-O-Mint Farm located 2 miles north and 1 mile east of St. Johns on the corner of Kinley and Scott Roads.

They farm about 450 acres and Marie sends a financial report into MSU once a month in connection with the Tel-FARM computerized bookkeeping system at MSU.

On occasion, Marie works in the field, driving a tractor or hauling the hay wagon when needed, but generally, her

responsibilities lie within the house.

Mrs. Ella Mae Witt and her husband, Donald, farm 600 acres located 4 miles west and 6 miles south of St. Johns, and raise dairy cows and hogs.

Ella Mae, who has recently become a grandmother for the first time, helps with the milking, keeps the books and does other chores around the farm, though she used to drive a tractor.

Mrs. Karen Schneider also does the bookkeeping at the Schneider farm located in Bengal Township. She runs errands, but admits she never has been out in the fields, as her husband, Louis, has operated the farm much like a business and hires people to do many of the chores.

The Schneiders have a 150-cow dairy operation and Karen admits that much of her work is done in their house—caring for their four children: Jeff who is 9 years old, Cindy who is 8, Shari who is 6 and Kurt who is 4.

Mrs. Gwen Nash's duties on the farm vary greatly from Karen Schneider's. "I do a little bit of everything," says Gwen who, together with her husband, Dwight, have a 100-cow operation near Elsie.

Besides keeping the books, Gwen says she helps out whenever there is a need. In the summer she does some of the tractor work and even helps to

bail and stack the hay. "You stay in good shape," she jokingly remarked.

Hard work is also combined with some "fun-type" chores, like chasing cows, which she says she does a lot of.

## WHY IS THE LIFE OF A FARM WIFE SO ENJOYABLE?

Aside from chasing cows, farm wives unanimously agreed that they sincerely enjoyed their roles of a farm wife. According to all of them, the country is the best place to live.

"You have more privacy," said Marie Woodhams.

"I like the wide open feeling,"

said Ella Mae Witt, adding, "You don't bump your neighbor."

Gwen Nash summed it up by saying, "I like the feeling of being free." To her, living in an area where the next door neighbor isn't able to see what you do, how you do it and how you look all of the time is important.

Besides being out in an area where the "next door neighbor" may be two or three miles away or more, the farm wives also said they liked being next to nature.

"When the corn starts peeking through the ground in the spring, there is something

(Concluded on page 22C)

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## A LOOK

(Concluded from page 20C)

"We will always use dryers for grain that has to be shipped to market or used for human consumption, but the expense of drying puts the livestock feeder at a comparative disadvantage, compared to the high moisture system," said Pelham.

We have to revise our thinking on dairy housing, too. You can't knock the results of heated and ventilated buildings, but there is a cheaper way of getting the job done. "Strangely enough, the opposite system—that of completely cold naturally ventilated calf 'cots' are alright, anything in between spells disaster. You can't half heat-half ventilate a building and get by."

Pelham reports new interest in irrigating some of the lighter soils in the county and thinks this practice will become more popular. Lasher believes the ever-increasing practice of draining the heavier more productive soils will continue.

In general, the men agree on most issues and to the last word they are convinced that farming will take more and more dollars to get the job done and are predicting at least 100 farmers will have a million dollars invested within 10 years.

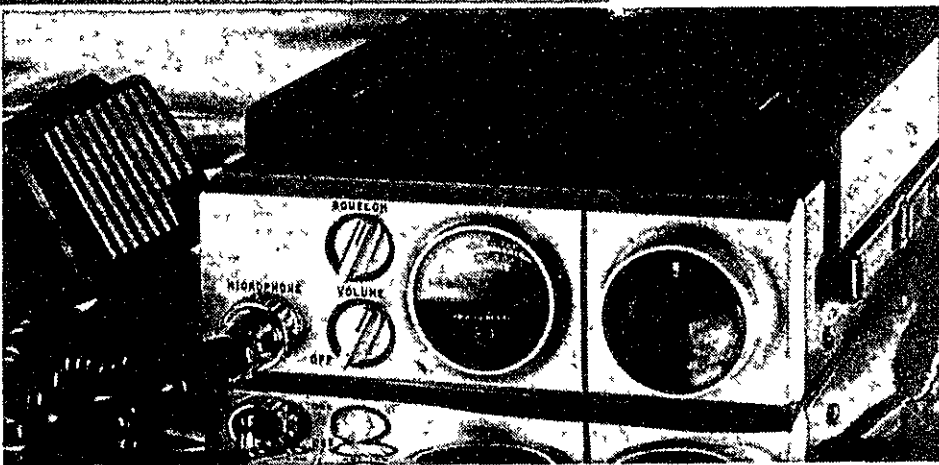
Do you mean farmers will be rich? Not exactly—the majority of them will probably be owing at least two-thirds of this amount and an 80% indebtedness may not be uncommon! Their net worth will be going up, but it will take a hearty soul to sleep nights!

## CRAIG Citizens Band Transceivers

### 4102 Standard Mobile Transceiver

With its black and satin-chrome finish, the 4102 looks great in any vehicle; and with Craig engineering, its performance is superb. Standard features on Craig's 4102 Transceiver include easy-to-read illuminated channel indicator, dual function meter and Light Emitting Diode (LED) modulation indicator, to let you know when your 4102 is on the air.

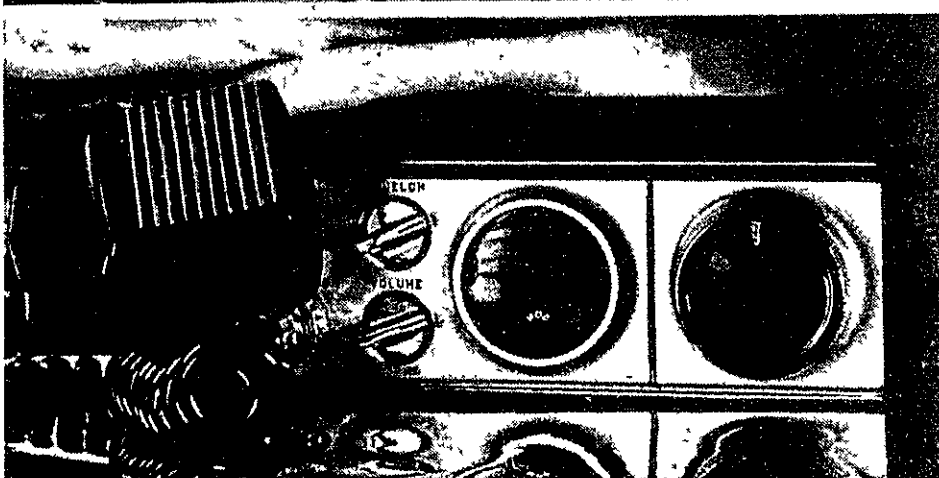
The 4102 Transceiver includes Craig's exclusive Quick-Release anti-theft mounting, which lets the owner easily remove or transfer the unit. With optional extra Quick-Release brackets you can use your Craig 4102 in other vehicles for maximum flexibility in CB operation.



### 4101 Mobile Transceiver

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# FARMER'S WIVES

(Concluded from page 21C)

exciting about it," said Karen Schneider.

The quiet, peaceful hard-working life of a farmer varies from day to day. During the summer months, the days are long and filled with hard work. During the winter months, days are spent catching up and

preparing for the next growing season.

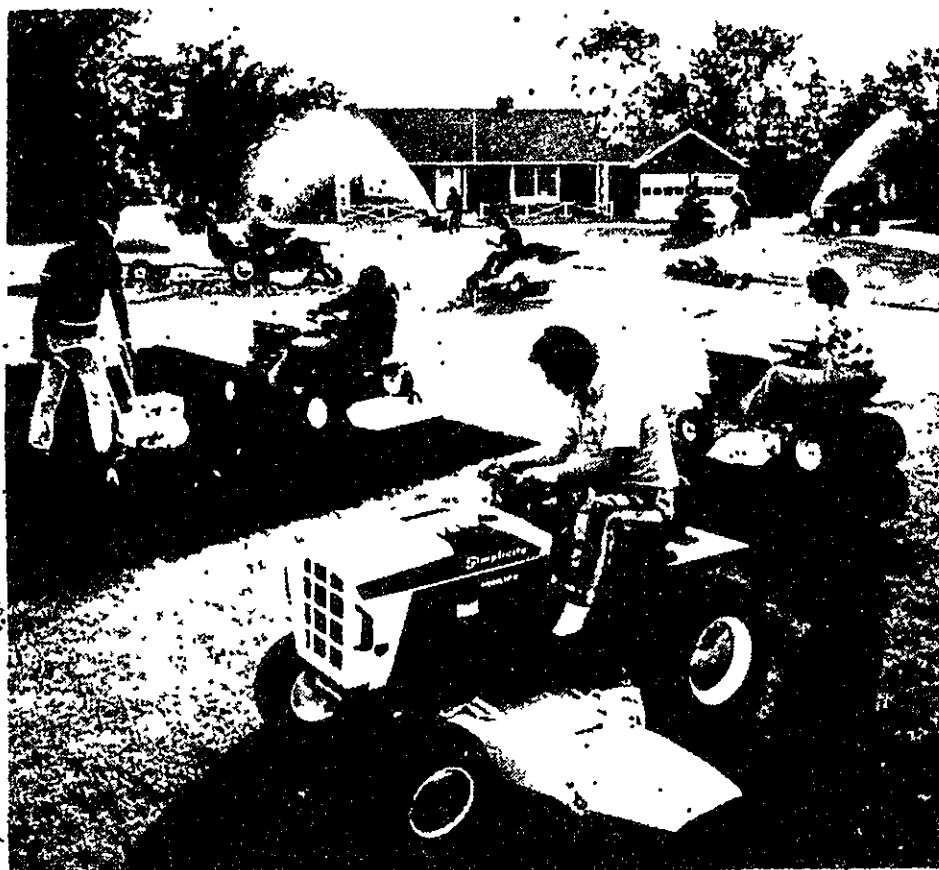
Winter also offers a time to become active in church and social groups, and all of the women said they were active in their church, Farm Bureau and two were involved in 4-H.

## FAMILY LIFE IMPORTANT, TOO

Being able to live in the country is important to these women, but raising their family in the country is another important factor.

All four women commented that a farm is a good place to raise children. There are many

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Mrs. Marie Woodham presents her "Many Hats of a Farmers Wife" program to the St. Johns Lions Club.

more opportunities for children to be given responsibility out in the country and women all agreed that their children were no exception to the rule.

"Learning to work is a part of growing up," said Marie Woodham. Her children were given the responsibility of hoeing in the mint field, along with other chores and she feels that the responsibilities that were given to them as children will have helped them later in life.

The Woodhams have three children: Jan, who is married and lives in Lansing, Jack who is married and is in partnership with his parents, and Susan who is a junior at St. Johns High School.

Through the years, the Woodhams have had 14 exchange students living with them, though some only stayed a week. Many of the students had never done any type of work, including such a common chore as making a bed. The farm children aren't given the option to do chores—they just have to help out on the farm and that is that.

The Witts also have a son, Douglas, who farms with his father and their daughter, Donna, is married.

The Schneider and Nash children are younger and cannot help operate the big machinery on the farm as of yet. The Nash children, Kevin age 9, Kimberly age 3 and Amanda age 1, still have a while to wait, but the Schneider's are learning about farm life.

Karen Schneider says the farm has many advantages for children: they are exposed to many animals, they understand how a calf is born and they have a woods to walk to when they wish.

Working with your husband is another advantage which the farm wives cited during their interviews. Knowing that they are working together to make a living, helping each other make important decisions and being more involved with each other during the day were all important reasons for living on a farm.

"Not a day goes by when there isn't something that has to be done or something which we would like to do on the farm which my husband and I discuss," said Karen Schneider.

"Maybe the key to a happy farm life is love and concern for your partner," said Marie Woodham.

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# Sod seeding trefoil and alfalfa

Stock producers having permanent grass pastures or hayfields low in productivity can double, even triple yields.

"Michigan has over two million acres within this category, a considerable portion of which is fenced and suitable for pasture of livestock," says Dr. M.B. Tesar, Michigan State University crops research specialist.

He recommends heavy spring grazing followed by plowing or field cultivation in late May or June, tilling every week or 10 days to control quackgrass and other grasses. Then seed with birdsfoot trefoil or alfalfa. Use mixtures of a grass(es) on well-drained soil or with birdsfoot trefoil on wetter sites.

"Based on 10 years of experiences by farmers trying this method, it is the first choice in reestablishment of legumes and grasses where plowing and/or field cultivation will not result in excessive erosion," Tesar says.

Seeding birdsfoot trefoil in herbicide-treated sod without plowing is an alternative which has given satisfactory results in MSU trials during 1973, 1974, and 1975. This alternative is attractive where the land may be too steep for tillage.

Tesar says that trefoil is tolerant of acid soils and will grow well at pH of 5.5 and even 5.0, but yields more at higher pH levels. Incorporating a legume into a grass sod increases yields and protein content of the pasture and gives more production during the drier part of the summer. The legume also supplies "free" nitrogen from the air, Tesar says.

Sod seeding alfalfa in Michigan is generally not recommended since many soils are acid and need lime to increase the soil pH to 6.8, or above for alfalfa to perform well. However, if the pH is above 6.0 on these sites, which are generally hilly, sod seeding of alfalfa is a satisfactory method of improving forage productivity without addition of lime.

Birdsfoot trefoil is Michigan's longest-lived legume. It thrives best on soils too poorly drained for alfalfa, but will yield well on rolling soils which are not drouthy. It can be established successfully in sods composed primarily of Kentucky bluegrass, orchardgrass, bromegrass, or timothy if the grass competition is reduced during establishment.

The following steps should be followed to help insure a good stand of birdsfoot trefoil or alfalfa by sod seeding in grass:

hazardous because of drouthy conditions.

### SOIL TEST

Determine phosphorus and potassium needs by taking representative soil samples. Soil samples should be sent to the soil testing laboratory of Michigan State University, East Lansing, MI 48824.

### GRAZE CLOSELY

Grazing before or immediately after seeding will reduce grass vigor and competition and improve the stand of trefoil. Fall grazing prior to spring seeding is recommended.

### APPLY 2,4-D

One pound, 2,4-D active ingredient per acre should be applied about 7 to 10 days before seeding to kill most broadleaved weeds, particularly dandelion. If 2,4-D is not used, the stand may be crowded out by the perennial broadleaved weeds.

### SPRAY WITH PARAQUAT

Paraquat is the only herbicide presently available, and adequately tested, and cleared for use. It will suppress all grasses, except quackgrass, adequately for seeding of trefoil. Do not sod seed in dense stand of quackgrass. Spray paraquat on the sod (one-half pound active ingredient per acre) prior to seeding or during seeding. Use a surfactant like

X-77, to insure good coverage of the foliage. Paraquat will not injure the dormant seed.

### SEED EARLY

Seed in April or early May, as

early as possible, to get the benefits of spring rains. A (Concluded on page 24)

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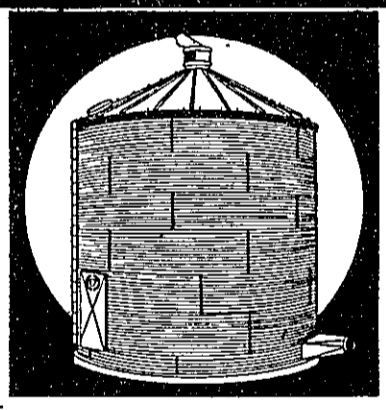
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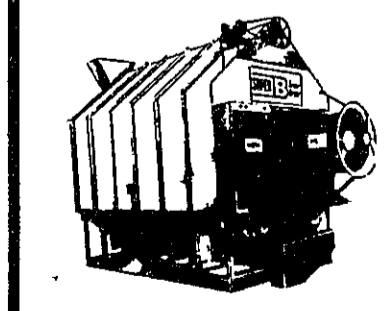
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### SITE SELECTION

Select a sod primarily of Kentucky bluegrass (Junegrass), timothy, bromegrass or orchardgrass which can be subdued by the herbicide paraquat. The grass will recover and provide good forage. Select a moist site with a loam, clay loam, or clay soil. Sandy, hilly sites are likely to be drouthy and will probably result in poor stands. Spring establishment of alfalfa has been satisfactory on coarse-textured soils such as sandy loams and even loamy sands. Summer establishment is more

# SOD SEEDING

(Concluded from page 23C)

regular fertilizer-grain drill with legume seed box will insure good seed placement. The seed tubes of the legume seeder attachment should be adapted so the seed falls into the fertilizer shoe beside the disc. The tension on the discs should be adjusted to place the seed and fertilizer about 1/2 inch deep. The soil should be moist enough to make a slit 1/2 inch deep in the sod. A cultipacker towed behind the drill will help insure coverage of the seed in the 1/2-inch-deep slits.

Satisfactory results have also been obtained on a moist, poorly-drained soil by broadcasting trefoil seed and fertilizer in early April on top of the herbicide-treated sod.

If a commercial drill adapted for seeding is used in summer, a cultipacker must be used after seeding. Drills such as the Zip seeder specifically designed for seeding in sod work as well as, and possibly better than, the regular drill described above but they are not as readily

available. Broadcast seeding in summer of trefoil or alfalfa is not advised because of drouthy conditions.

Use 5 to 6 pounds of moist-inoculated Empire, Carroll, Mackinaw, Leo or Viking birds-foot trefoil seed per acre. Be sure to use only birdsfoot trefoil inoculant. Empire and Carroll will tolerate grazing better than Viking. Viking is more erect and easier to establish than Empire. Carroll, a new variety, is almost as easy to establish as Empire and appears to be as resistant to close grazing as Empire. If alfalfa is used, 12 to 15 pounds per acre of an inoculated, wilt resistant, hardy alfalfa such as Vernal, Iroquois, Pioneer 520, Weevilcheck, Titan or WL 202 are recommended.

Band about 100 pounds of 0-46-0 or 250 pounds of 0-20-10 or equivalent in contact with the seed. The phosphate in these fertilizers is most important in seedling vigor and good root development. This amount of potassium in contact with the seed will not reduce ger-

mination. If soil tests indicate a larger amount of potassium is needed, it can be broadcast before or after seeding or even later in the summer or early fall.

Grazing and mowing when the seedlings are three to six inches tall will reduce grass competition and not hurt the seedlings materially. Rotate grazing pattern -- resting 5 to 6 weeks between grazings. If necessary, mow weeds as closely as possible after

grazing.

Birdsfoot trefoil will not produce much forage the first year but should be well established in the grass in the second year. Alfalfa may produce up to a ton of dry forage the first year.

and/or potassium according to Extension Bulletin E-550. About 100 pounds 0-14-42 per acre every other year for trefoil is adequate on most soils. Alfalfa should be topdressed annually with about 300 pounds 0-14-42 per acre plus boron on coarse-textured soils.

## GRAZE AND FERTILIZE PROPERLY

Fertilize the established stand annually with phosphorus

Rotational grazing will help establish and maintain a good trefoil stand. Rotational grazing is absolutely necessary to maintain alfalfa.

## THREE CORN ROOTWORM TYPES

(Concluded from page 18)

Next spring, if the field is put into corn again, the larvae are ready to begin feeding.

Only if you are growing corn after corn will the rootworm be a problem. Planting the field to another crop, if only for one year, will break the corn rootworm's life cycle. The field could become re-infested when it is returned to corn if there are plenty of rootworms in the neighborhood.

You can detect the presence of rootworms best by examining the lodged, goose-necked plants for lack of roots and evidence of root tunneling. If you have lodged, goose-necked corn and adults in the fall--one per plant, corn rootworms will probably be in your corn next year.

There are two types of control for the corn rootworm. The cheapest is to rotate your crops because the rootworm can only be a problem of corn after corn.

The other way is to use chemicals at planting time or before. These insecticides must be incorporated into the soil. Planter box treatments do not work to control the rootworm.

Remember, the insecticides used are poisonous and care

must be used to handle, store and apply them.

For more information and recommended insecticides and rates, get the Extension bulletin, "The Corn Rootworm," free from our office, 1003 S. Oakland, St. Johns.



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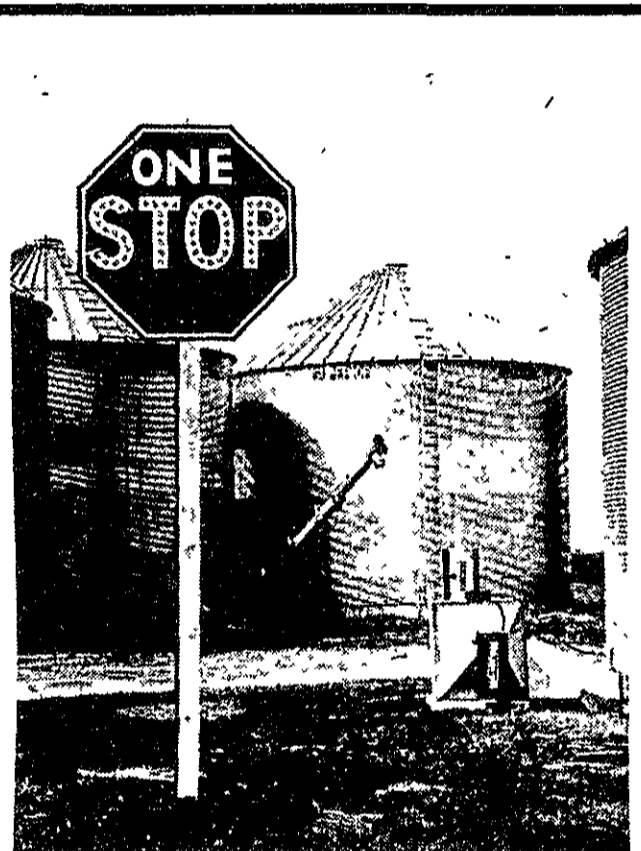
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# Most fertilizer supplies look good for '76

Michigan farmers should have little trouble obtaining most fertilizers next year.

"All supplies are at high inventory levels and we foresee but two problem areas -- enough available freight cars to ship materials and natural gas availability for nitrogen production," says Edwin M. Wheeler, president, The Fertilizer Institute, Washington, D.C.

Wheeler made his comments at Michigan State University's

annual Seed, Weed and Fertilizer School, Dec. 2-4. About 300 elevator managers, seed, herbicide and fertilizer suppliers attended the course.

CURRENT ESTIMATES are that natural gas curtailments to ammonia producers are expected to be equivalent to 670,000 tons of anhydrous ammonia this winter or 549,000 tons of nitrogen.

If we have a severe winter, the curtailment of natural gas

to the industry may be higher, Wheeler says. Other influencing factors are demand for manufacture of synthetics and availability of supplies from the European market.

There should be no problem obtaining phosphate fertilizers. By the end of the year, production capacity should be 8.8 million tons, which is 28 percent more than the capacity available in January 1975.

But Wheeler warned suppliers not to wait until next spring to obtain shipments. "Right now our ports are clogged with grain shipments which are tying up freight cars. Place your orders soon. Your bins are probably empty now and you're going to have to take a chance on price. You may have the lowest prices in town next spring but you might not have fertilizer to sell," he says.

U.S. CAPACITY to produce potash is about 3.4 million tons a year, which is about 2 million tons below estimated use. Current inventories are high and imports, primarily from Canada, should meet U.S. needs for the next year or so.

But Wheeler warns about current Canadian government attitudes toward regulating the

potash industry. "It has very frightening implications for us in the long run," he says, pointing out that as with other exports, they can curtail or stop shipments to the U.S. at will.

He advises that local retail fertilizer prices should be kept within reasonable levels. "We must not forget that it is the farmer who is the customer. We lost sight of that last spring and what his reaction was going to be when we allowed the law of gravity to set price," Wheeler says.

Sales last year dropped 10 percent, which was the first time since records have been kept. Overseas markets dropped almost at the same time as in the U.S.

"IT DOESN'T matter whether it is the farmer in Michigan or India. They all think alike -- they know how far they are going to go as their input costs go up. We didn't expect they would back off the market like they did," Wheeler says.

He believes Michigan farmers should have an excellent year in 1976 if the slowly rallying U.S. economy gathers speed. "U.S. food needs and demands coupled with an ever-growing dependence of over-

seas nations on our country for basic agricultural outputs signal full farm production -- at profitable levels for farmers," Wheeler says.

Farmland values will move with crop prices

Farmland prices in 1976 will remain sensitive to crop price expectations. It's doubtful prices this fall will substantially top the historical peaks we've seen in the last three years if harvest prices weaken.

"In the long run, the conventional wisdom is that land prices will follow a continued inflationary trend but not necessarily at the 5 to 5 1/2 percent from 1952 to 1972," says Dr. Roy Black, Michigan State University agricultural economist.

Major factors affecting agricultural land prices are: earning capacity expectations, interest rates, capital gain expectations, down payment conditions and liquidity of prospective buyers.

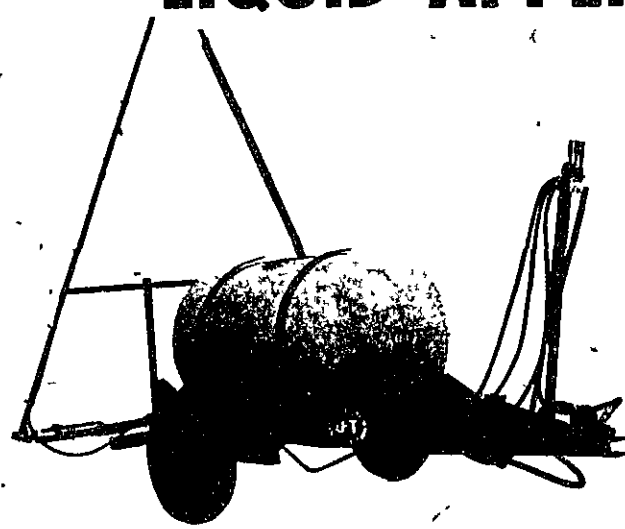
ANOTHER INFLUENCE is the demand for agricultural land to be used for non-agricultural purposes. Its price is affected like other asset prices by expectations about the general rate of inflation in the economy, Black says.

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**Crop disaster programs available in 1976**

The USDA's crop disaster program will again be available in 1976. This program provides financial assistance to farmers who suffer crop losses or are prevented from planting crops because of natural disasters. Aid will be available through county ASCS offices. This notice was released by Dorn Diehl, State Executive Director of the Michigan State Agricultural Stabilization and Conservation

Service office. Diehl stated that producers with wheat and feed grain allotments are eligible. To qualify, a farmer must be prevented from planting an acreage of crops equal to his allotments or suffer about a 40 percent loss in the normal production of his allotment acreage.

Wheat disasters in the major wheat states are currently

getting much national publicity. However, Diehl emphasized, any Michigan farmer who may suffer a loss in his wheat production due to winter kill, flooding or other natural cause should be aware of the fact he may be eligible for disaster assistance. Anyone who suffers a loss must file a claim with the local county ASCS office prior to destroying the crop or devoting the land to any other use.

**No-till planters**

There is quite a bit of interest in no-till planters this year, especially with the high cost of fuel. There are a number of people in Clinton County who have no-till planters and they like them very well.

No-till works very well on the lighter soils, especially rolling ground. The main disadvantage on heavy clay soils is the longer time it takes the soil to warm up

and dry out without some type of tillage. With the clay or clay loam soils, chisel plowing in the fall and using a field cultivator in the spring to level the field, followed by the no-till planter works well.

Points most well liked about the no-till planter are the way the large fluted coulter prepares the seed bed and the way the planter boxes ride smooth and even giving accurate seed placement.

If the ground is dry and crusty on top, the fluted coulter will bring up moist soil from 4 to 6 inches deep to mix in the seed bed. By the same token, if the soil is a might too wet, the coulter will bring up mud.

No matter how rough the field

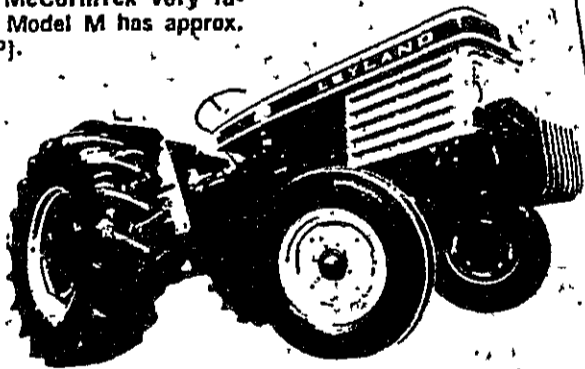
or-how large the soil clumps, this large fluted coulter will prepare a good seed bed of proper sized soil particles; and, because of this, the seed boxes ride level and place the seed more accurately. The ability for the seed boxes to ride smooth, even though the planter pitches and rolls, is well liked.

Using no-till equipment takes as much, if not more, management than using any other type of planter.

In summary, no-till planters are used and liked by those who have them. Some tillage is still thought to be necessary with this type of planter on the heavier soils; however, many of the tillage operations are eliminated.

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# Government influence is hurting Michigan farm operations, says expert

"Michigan's farm industry is becoming more and more like a public utility which is poorly regulated by state agencies," said a Michigan State University labor and industrial relations specialist, speaking at the Great Lakes Vegetable Convention held in Lansing.

"It seems to me that farmers and their friends have got to educate the legislators and the state regulatory agencies that farming is not like General Motors," says Dr. Daniel H. Kruger.

"Management problems at GM are entirely different from those of farmers and farmers have to contend with uncontrollable factors of weather and natural disasters. They had more than their share last year," he said.

"WE HAVE got to get over the concept that it is possible to operate a farm like a public utility and expect to feed the people of Michigan, the people of our country and people throughout the world," he adds.

In 1964, there were 93,000 farms in Michigan but by 1970, less than 78,000. Cultivated acreage dropped from 14 million acres in 1964 to about 12 million in 1970. Hired farm labor declined from about 93,000

in 1964 to about 22,000 in 1974, a trend which will continue, according to Kruger.

"Total cash receipts for farming have increased -- in 1974 it was \$1.7 billion -- but net farm income continues to decline. It is not profitable being a farmer," Kruger said.

A major force helping influence agriculture is

There are high costs of fertilizer, energy, double digit inflation and high wage costs. "One explanation for high wage costs is the influence of the automobile industry in which the highest wages in the country are paid. Their spill-over effect influences agriculture wages. The farmer has to cope with higher wages which are more difficult to afford in the face of his market returns and other costs," Kruger says.

"WHEN WE TALK about these laws, we must understand that Michigan is not an island.

"A third factor has been the legislation which has placed restrictions on farmers which have added to the costs of farm operations. These include workmen's compensation, minimum wages, Occupational Safety and

Health Act (OSHA) -- laws which affect the ability of Michigan farmers to compete with other markets," Kruger says.

Our products compete in a national market and in many of those states with which we compete, farm wage levels and benefits for labor are lower than in Michigan," Kruger says.

A fourth factor influencing farm production is special interest groups. "I want farm workers to have all the rights that other Americans have. I want workers to be protected like workers in nonagricultural employment. But farmers and growers are being sued more frequently. A way must be found to resolve differences without resorting to courts," he says.

The numbers of unemployed in Michigan will remain higher for the rest of this decade and into the 1980s. "In concert with agriculture, industry, business, the unions and special interest groups, we have to expand job opportunities for those unemployed and those entering the job market. But don't expect agriculture to do it alone and survive," Kruger says.

"We have to educate the

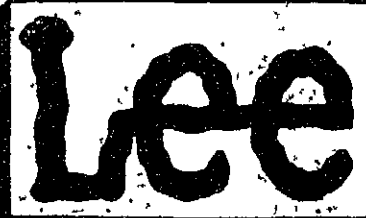
legislature and ourselves to the tremendous problem of job creation in this state. We have to sort out where the employment possibilities lie in industry, agriculture, tourism and in the services. Each sector must be analyzed separately and appropriate steps taken to create a climate conducive to job growth," Kruger concludes. technology, some of which has evolved, in part, because of labor problems. "There has been, and will be, a continuous substitution of mechanical muscle for the muscle of human beings," Kruger says.

HE PARTLY attributes increased use of harvesting machinery, such as the cherry picker, and cucumber harvester, to labor regulations and increasing labor costs. "It is true these pieces of equipment are expensive, but the mechanical picker does not take the farmer to court.

"If we could figure out a way to work together instead of having all the confrontations we've had, perhaps Michigan farmers would not continue this pursuit of mechanical substitution," Kruger says.


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# No-till guidelines

No-till, in some areas, is being considered one of the most important changes in American agriculture since introduction of hybrid seed corn in the late 1920s.

"It requires a good understanding of soil conditions, weed problems and chemical application techniques. Good management practices are essential because this system demands more of the corn plant," says Dr. Lynn S. Robertson, Michigan State University crop and soil specialist.

Minimum tillage practices were initiated at MSU in 1943 by Dr. Ray Cook, crop and soil science specialist, who used a tractor and planter for single operation planting. This research was the first of its kind in the U.S.

No-till production is basically planting corn on unplowed soil and using herbicides to control weeds. It is also called sod planting, no-plow, slot tillage, chemical tillage and conservation tillage.

No-till is one of the most effective management practices developed for controlling wind and water erosion in commercial corn production. This means better conservation, improved water quality, less sediment and improved environment.

The best days for planting corn in spring can be used exclusively for planting rather than for plowing and fitting. Slower ground speeds are required, however, so that fewer acres are planted per hour than when using a planter of similar size on conventionally prepared seedbeds.

Less than successful results have been associated with one or more of seven soil conditions: 1) fine textured soil; 2) poor structure; 3) inadequate drainage; 4) underestimated organic matter level; 5) eroded soil, especially on slopes; 6) low

fertility levels and soil acidity; and 7) herbicide ineffectiveness.

Using the soil management group and unit concept helps determine if no-till will be successful on your land. Soil management groups are groups of soils (soil series) with similar properties and yield potentials.

The groups are formed on the basis of the dominant texture of the profile and natural drainage conditions under which the soils are formed. To determine the soil type of soil series in your area, consult a soil and water conservation map or refer to the county soil survey report. These are usually available at the local Soil Conservation District office or the county Extension office.

Another important consideration is the availability of specialized equipment, herbicides and pesticides necessary for no-till. They can usually be obtained through local suppliers but should be ordered early.

No-till planters are manufactured by the major farm equipment companies. Usually a fluted coulters with heavy duty mounting is required to assure adequate penetration in firm soil. The basic planter unit must be rugged and heavy to stand up under extreme conditions.

You should figure tractor size at roughly 10 max observed pto horsepower per planting unit. No-till planting at 3 m.p.h. requires a minimum of 5 pto h.p.; 3.5 m.p.h. requires a minimum of 8.1 pto h.p.; 4 m.p.h. requires a minimum of 9.25 pto h.p.; 4.5 m.p.h. requires a minimum of 10.4 pto h.p. and 5 m.p.h. requires a minimum of 11.5 pto h.p.

There are no clear-cut guidelines as to the best way to fertilize no-till corn.

"The problem is that no-till methods do not offer a way to incorporate large amounts of

fertilizer or lime," says Dr. Maurice Vitosh, Michigan State University soils specialist. Thus when large amounts are required it must be surface applied.

There is evidence showing that when moisture and/or residues are adequate, surface applied fertilizer can be effectively used by the corn.

But under conditions of limited residue and/or low rainfall, no-till corn yields may be reduced, compared to the conventional tillage system.

### Fertilizer Placement

Band applications of phosphorus are particularly important where soil phosphorus tests are low and soils are cold. Proper placement of starter fertilizer may be more difficult with conventional no-till planters. Therefore, fertilizer placement should be slightly more than two inches to the side and below the seed to insure good seed germination without fertilizer injury.

Some farmers have solved the problem by widening the tillage strip with two fluted coulters on the planting unit.

### Nitrogen Application

Surface applied nitrogen normally does not cause problems, because nitrogen fertilizers are soluble and move readily with water.

Nearly all nitrogen fertilizers are acid forming and consequently the soil surface can rapidly become acidic. The availability of phosphorus to the plant near the surface is also affected by soil pH. Therefore, it may be advisable to lime more frequently with smaller amounts than normal. An alternative would be to plow every three or four years to incorporate lime and fertilizer nutrients.

Anhydrous ammonia has been successfully used in the no-till system and will reduce the need for frequent liming as it is incorporated in the soil rather than surface applied.

Applicator knives should be equipped with rolling coulters ahead of each knife and a packer wheel behind to prevent ammonia escaping through the slit made by the knives.

(Continued on page 30)

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# No-till guidelines

(Continued from page 29)

Applying urea and 29 percent nitrogen solution (50 percent urea) to crop residues may also result in sizable losses to nitrogen by ammonia volatilization, especially if temperatures are warm.

Ammonium nitrate may be the best source of nitrogen for surface application on heavy residues.

Surface applied nitrogen also has a greater possibility of being tied up in organic

residues. Consequently, 10 to 20 percent more nitrogen may be required where residues are encountered.

Surface residues have the advantage of keeping soil temperatures cool and reducing

evaporation, but they may also contribute to leaching or runoff losses in years of excess moisture. On fine-textured soils, excess moisture may enhance denitrification by prolonging water-logged conditions.

### Soil Fertility Levels

Large applications of fertilizer and lime cannot be incorporated into the soil in a continuous no-till system, so the soil should have a high fertility level at the outset.

If the levels are not medium or high initially, plowing every three or four years may be necessary to incorporate the required amounts of phosphorus and potassium.

Many of the soils best suited for no-till need lime. Maintaining soil pH between 6 and 6.5 facilitates maximum nutrient availability to the plant. Surface applied lime will have little effect in neutralizing soil acidity in the active root zone. Therefore, it's desirable to incorporate needed lime before going no-till.

### Soil Testing

A regular soil testing program should be an essential part of any corn production program, including no-till. Soil samples should be taken every second or third year to be sure good soil fertility is being maintained. If soil pH or nutritional levels have decreased, more lime and fertilizer may be necessary to build up the soil pH, phosphorus and potassium levels.

Success of no-till crop management of corn production depends on controlling existing vegetative cover and weeds throughout the growing season.

"In a conventional tillage program, the producer usually has the option of cultivation if the chemical program proves inadequate. But in a total no-till system, this option is not available," says Drs. R. W. Chase and W.F. Meggitt, Michigan State University crop science specialists.

Vegetation control management in the no-till system requires a greater degree of skill on the part of the producer. No-till is used on sod or meadow fields and on crop residue fields such as corn following corn, or corn following wheat. Weed control in each situation may require different chemical tools.

Existing sods present the greatest challenge to satisfactory vegetation control. Corn will do much better on sod that has been cleanly harvested.

On sod where the residue has been allowed to accumulate, the corn plant will have the toughest time getting satisfactorily established. Excessive trash can absorb herbicides, interfere with good performance of the fluted coulters, prevent proper seed placement and result in poor closing of the soil over the seed.

Soil type, organic matter, sod density and moisture condition will influence performance of the chemical used. For dense sod, 40 to 50 gallons per acre is suggested. On a clean cropped field, where vegetation cover is not dense, 20 to 25 gallons per acre is adequate.

The following are suggested treatments for vegetation control:

### Cover #1

Predominantly alfalfa or considerable perennial broadleaf weeds plus some grasses such as timothy, bromegrass and annual weeds.

### Treatment

Apply 2,4-D low volatile ester at 1 1/4 pounds per acre 7 to 10 days before planting corn. Apply Aatrex at 2 pounds per acre plus paraquat at a rate of 1 to 2 pints per acre at planting time. When paraquat is used in the tank, mix X-77 or a similar non-ionic surfactant according to manufacturer's suggestions.

### Cover #2

Predominantly grasses such as bluegrass, timothy, bromegrass and annual weeds.

### Treatment

Apply Aatrex at 2 to 3 pounds per acre plus paraquat at 1 to 2 pints per acre at planting time. Use higher rates where the harder to kill species, such as bromegrass predominate.

### Cover #3

Predominantly quackgrass plus broadleaf annual weeds.

### Treatment

For maximum control of quackgrass, use a split application of Aatrex. Apply Aatrex at 2 pounds per acre plus crop oil at 1 gallon per acre or a crop oil concentrate at 1 quart per acre when quackgrass has

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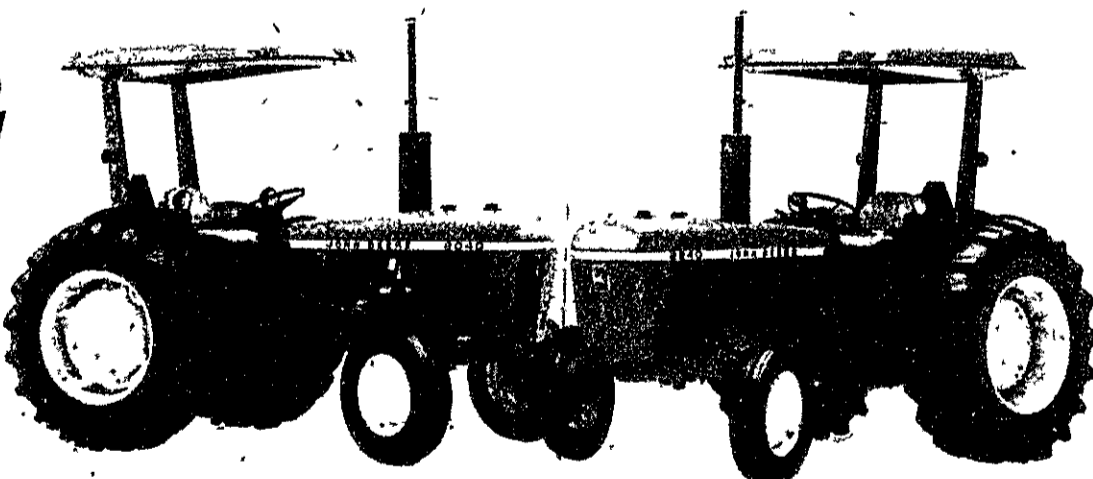
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(Concluded on page 32)

# 1976 wheat, and feed grain targets loans announced

Secretary of Agriculture, Earl L. Butz, announced the 1976 target prices for wheat and feed grains and the 1976 loan rates for wheat and feed grains and a reinstated loan program for soybeans.

Provisions of the Agriculture and Consumer Protection Act of 1973 require that target prices for the 1976 crop be adjusted upward from 1975 levels to reflect increased production costs during 1975.

The 1976 loan levels are also being adjusted upward from the minimum levels set by the legislation; these increases reflect approximately the same percentage increases as made in the target prices.

"The target prices and loan rates provide a guaranteed support base while adhering to the principle of reliance on the marketplace for farm income," Secretary Butz said. "Farm income and farm production have reached all-time records under our present market-oriented agricultural policy," he said.

THE 1976 TARGET prices are as follows:

	1976	1975
Wheat (\$/Bu.)	2.29	2.05
Corn (\$/Bu.)	1.57	1.38
Sorghum (\$/Bu.)	1.49	1.31
Barley (\$/Bu.)	1.49	1.31

The 1976 loan rates are as follows:

	1976	1975
Barley (\$/Bu.)	1.02	.90
Oats (\$/Bu.)	.60	.54
Wheat (\$/Bu.)	1.50	1.37
Rye (\$/Bu.)	1.00	.89
Corn (\$/Bu.)	1.25	1.10
Sorghum (\$/Bu.)	1.19	1.05
(\$/Cwt.)	2.13	1.88
Soybeans (\$/Bu.)	2.50	(No loan program)

In light of expanded production of Brazilian soybeans and Asian palm oil, a loan program has been reinstated on soybeans. The 1974 soybean loan level was \$2.25 per bushel. There was no loan program in effect for soybeans in 1975.

Anniversary loans which were implemented for 1975-crop grains will be continued for 1976-crop grains and also included in the soybean loan program. Loans offer agricultural producers an opportunity to obtain cash and hold their crops for later sale add to even our marketings.

In determining loan rates, the Secretary is required to take into consideration a number of factors, including, for example, world markets for wheat and corn and the relative feeding values of the various grains.

USDA ANNOUNCED that the interest rate for the period April 1, 1976 to March 31, 1977 for commodity loans and on storage facility and drying equipment loans will remain at the current level of 7½ percent.

Resale prices per bushel for 1976, which include carrying charges, (with 1975 comparisons in parentheses), will be at the market price but not less than \$1.81 for corn (\$1.59), \$1.71 for sorghum (\$1.51), \$1.47 for barley (\$1.30), \$0.87 for oats (\$0.78), \$1.45 for rye (\$1.28), \$2.63 for wheat (\$2.36), and \$3.62 for soybeans.

There was no resale price established for soybeans in 1975 as there was no loan program. The per hundredweight resale price for sorghum in 1976 is \$3.05 compared to \$2.70 in 1975.

Provisions of the 1973 Act require target price adjustments for the 1976 crop to reflect the change in the index of prices paid by farmers for production items, interest, taxes and wage rates during 1975 as well as changes in the three-year moving average of yields for each crop.

Target prices are used to determine payments made to producers on participating farms when the higher of (1) the national average market price or (2) the loan rate is less than the established target price for the particular commodity.

Target prices are also used to determine payments for these crops under disaster provisions of the Act.

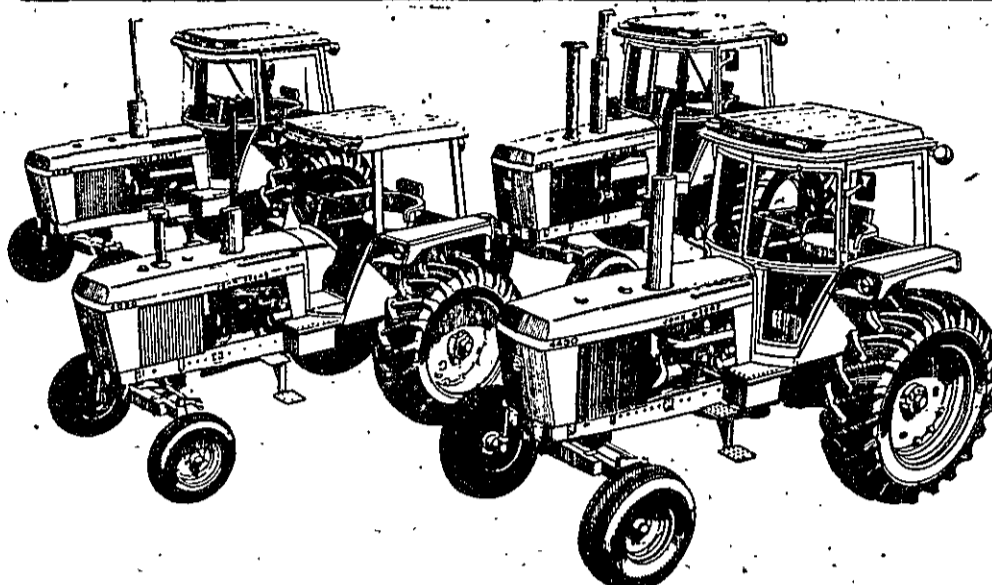
Disaster payments, at a rate of not less than one-third of the target price for each crop, will be paid to eligible producers who are prevented from planting a crop or whose yields are substantially reduced to a natural disaster.

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**No-till guidelines**

(Concluded from page 30)

started active growth in the spring, 7 to 10 days before planting.

At time of planting, apply Aatrex at 2 pounds per acre plus paraquat at 1 to 2 pints per acre. If perennial broadleaf weeds are also considerable, use 2, 4-D low volatile ester at 1 pound per acre with the first application of Aatrex.

If the split application timing is not feasible in keeping with early corn planting, apply one application of Aatrex at 4 pounds per acre at planting.

**Cover #4**

A grain stubble or the residue of the new crop, such as corn or soybeans, where grasses and broadleaf predominate.

**Treatment**

Apply Aatrex at 1 to 1½ pounds per acre plus Lasso at 2½ to 3 quarts per acre plus paraquat at 1 to 1½ pints per acre at planting time.

**Cover #5**

A grain stubble or the residue of a row crop -- such as corn or soybeans with annual grass problems -- plus specific weed problems such as nutsedge, Kimson weed, smartweed, Canada thistle.

**Treatment**

Refer to Extension Bulletin E-434 "Weed Control in Field Crops," available at local county Extension offices.

**PLANTS  
CONTRIBUTE**

(Concluded from page 19)

Carew said, "The same plants can also increase property values significantly."

SOME PEOPLE get involved with plants because of a sense of responsibility. "The plant is something to love, care for and feed," said Carew. "In a sense, it is a pet. It may also offer relaxation and personal enrichment.

"Plant therapy has become increasingly popular in recent years," stated Carew. They are great aids in working with the elderly, disabled and retarded.

"Plants have a psychologically calming effect," stated Carew. They can have beneficial effects upon human behavior, attitudes and morale. He related a story about the quieting effect the MSU horticulture gardens had on a young couple last spring. "The two were arguing intently, but

upon entering the gardens they grew quiet, admired the plants, began to smile and left holding hands."

The natural beauty of plants appeals to many people, and in many ways, stated Carew. Plants can affect the senses of sight, sound, touch and smell.

"PLANTS ARE living acoustical tile," said Carew. "They are very effective noise barriers. This is why trees and shrubs are being planted along highways and freeways."

Dust and some types of air pollution can be reduced by green plants. Plants are known to purify the air as they photosynthesize and, according to Carew, they also filter and trap dust in the atmosphere.

Privacy and protection from objectionable sights are also offered by plants, "Living walls" of trees and shrubs can be found between houses and backyards, and surrounding dumps and junkyards. Fences may block out the same things, but plants have an advantage by blending with the natural surroundings. A fence may be objectionable in itself, but a plant wall is not.

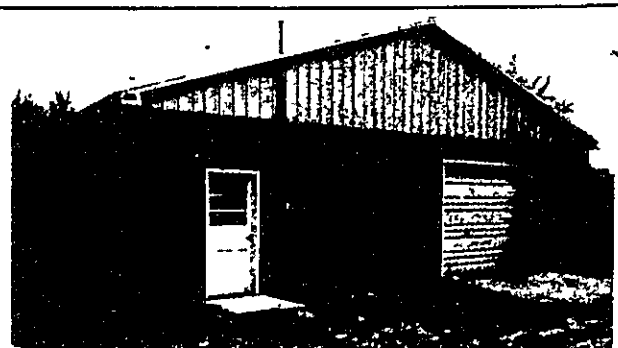
"Plants offer shade and protection from the wind," said Carew. "They are also living air conditioners." He cited scientific data obtained by Dr. Roy A. Mecklenburg, MSU horticulturist, proving the cooling benefits of grass over synthetic turfs. The grass transpires and releases water which cools the air above the ground. Carew said that artificial turf surfaces are often 40-50° F warmer than natural grass surfaces and the air six feet above may be 8-10° warmer.

TREES CAN moderate temperature. "This idea is not new," said Carew. As early as 1872, the New York County Medical Society advocated the "... cultivation of an adequate number of street trees as the most effective means for mitigating intense summer heat and reducing the death rate among children."

"Plants are more than just a luxury," concluded Carew. "They are essential and beautiful. We need them."

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# Make Alfalfa variety recommendations for 1976

By M.B. Tesar

Department of Crop and Soil Sciences, Michigan State University

## ONLY WILT RESISTANT VARIETIES ARE RECOMMENDED

### I. SHORT TO MEDIUM TERM [2-4 yrs.]

- Wilt resistant
- Moderately hardy or hardy
- French, Vernal or intermediate type
- Highest yielding varieties based on M.S.U. research tests - Saranac, 520, Iroquois, Weevlchek, WL305, ATRA 55, Thor, Titan, WL202, Promor, WL215, 525, Warrior, Anchor and Vernal.

### II. LONG TERM [5 yrs. or more or for pasture]

- Wilt resistant
- Hardy
- Vernal types
- Highest yielding varieties based on M.S.U. research tests - Vernal, 520, WL305, Weevlchek, Titan, Iroquois, WL202, 522, 525 and WL215.

**HIGH ALFALFA** yields of 6-8 tons of hay per acre under the best soil and climatic conditions, and 4-6 tons under less favorable soil and climatic conditions, are dependent on several establishment and management factors:

1. Good stands, preferably by band seeding (10-12 lb/A for 3-5 yr stands, 12-16 lb/A for 6 yrs or more) inoculated seed, followed by a cultipacker or press wheels;
2. Proper fertilization (according to soil test) with phosphorus and potassium at seeding;
3. pH corrected to 6.8;
4. Good drainage;
5. Three cuttings instead of two in southern Michigan, the first being in late May or early June, the third any time in late summer or fall, or the possibility of an extra ton by taking the fourth cutting in late September or October after a third cutting about August 17-25 on the most intensively managed land in southern Michigan;
6. Adequate annual fertilization particularly with potassium;
7. Spraying to control the alfalfa weevil when necessary;
8. Proper harvesting and storing methods; and
9. Use of high-yielding varieties.

**THE CHOICE** of alfalfa varieties is dependent on the yield goal desired, the length of stand desired, soil conditions, availability of seed, and intended use -- for hay (or silage) or pasture. Seed cost per pound should not be a highly important factor in variety selection since the total cost of establishment is affected only slightly by seed cost, especially when computed over several years.

Bacterial wilt resistance and winterhardiness are the two most important factors governing the selection of high-yielding varieties. Bacterial

wilt causes death and stand thinning starting in the second harvest year. For stands to be left three years or more, bacterial wilt resistance is necessary. Since about 2/3 of alfalfa stands in Michigan are left for 3 to 4 years and the remainder for a longer period, only wilt resistant varieties are now being recommended since an adequate number of adequately tested wilt resistant varieties is now available.

Winterhardiness is necessary for all alfalfa varieties to be kept more than one year in Michigan but not to the extent once thought necessary. Varieties classified as moderately hardy are hardy enough for Michigan for alfalfa stands left for 3 to 4 years, and even for stands left 5 to 6 years. For stands intended for 5 years or more or when used for pasturing, only hardy or very hardy varieties should be used.

### CHARACTERISTICS OF VARIETY TYPES

Alfalfa varieties in the United States are of two general types - North American or French.

1. North American types are winterhardy or very winterhardy, start to blossom in late May or early June in southern Michigan, are generally fine-stemmed, moderate in recovery after cutting, and have moderate fall dormancy. Vernal is a well known variety representative of this type.

2. French (or Flammande types) originated or were developed from stock originating in the Flemish area in northern France. When wilt resistant, they have been higher yielding than most North American types in short-to-medium-term stands. They are moderately winterhardy, flower 3-5 days earlier, recover more rapidly after cutting, are less dormant in the fall, and are generally not as fine-stemmed as North American types. Saranac is typical of this group and is well known to Michigan farmers since it has been grown here since 1967.

### PROPRIETARY VARIETIES

Proprietary varieties are those developed by industry or seed firms having exclusive rights to market the seed. In the last decade many new varieties have been developed by industry.

Yield data on most of the proprietary varieties have been obtained for six years. Many of these varieties have yielded well on Michigan farms.

### DATA FROM TESTING AT M.S.U.

Recommendations are based on testing alfalfa at various locations by the Department of Crop and Soil Sciences in Michigan during the period 1964-1975. Three years of testing is required before varieties are recommended for short-to-medium stands.

Five years' testing is required for recommendations for long-term stands or stands for pasture.

### OVER SEVEN TONS PER YEAR

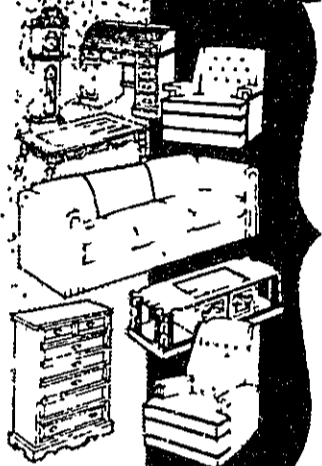
Fifteen of 36 varieties produced an average yield of over 7 tons of hay per year at East Lansing in the 6-year period 1970-1975, Table 2. Five varieties produced 7.5 tons or more. One variety, 520, yielded nearly 8 tons of hay per acre per year for the 6-year period. The

excellent yields were due partly to the excellent class I Brookston soil and four cuttings per year rather than three. Four cuttings per year in the last four years increased the yield about one ton per acre per year (based on other MSU research). Other recommended management and fertilizer practices followed are listed on page 1.

### SARANAC AND OTHERS FOR SHORT TO MEDIUM-TERM STANDS

Saranac remains first choice for 2-to-4-year stands because of its consistently excellent performance in six MSU trials since 1965 and excellent farmer acceptance since 1967. Table 4 shows that in six 3-to-4-year

(Concluded on page 34C)



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# ALFALFA RECOMMENDATIONS

(Concluded from page 33C) tests, Saranac was 10% higher yielding (about 1/2 ton) than Vernal, the most widely used variety in Michigan and the North Central states. Three of these tests are still in progress and are reported in Tables 2, 3 and 7.

The varieties 520, Iroquois; Weevlchek, WL305, WL215, WL202, ATRA 55, Thor, 525 and Titan yielded as well as Saranac for 3-to-4-year stands. They are included in the 1976 list of recommended varieties for 2-to-4-year stands. All these varieties are wilt resistant.

**VERNAL AND OTHERS FOR LONG-TERM STANDS OR PASTURE**  
Vernal and 520, WL305,

Weevlchek, Titan, Iroquois, WL202, 522, 525, and WL215 are recommended for long term stands or for pasture. All these had as good as or better yields than Vernal for a 6-year period and had as high as or a higher yield in 1975 than Vernal, indicating strong survival and winterhardiness for long life. Only WL305 is considered medium hardy, ALL the rest are hardy varieties, a desirable characteristic for long-term stands or pasture.

520, WL305, Weevlchek and Iroquois appear to be particularly good varieties, probably better than Vernal, for long-term stands. Vernal is still ranked as an excellent variety since it has high test yields in 1965-75 tests, has proven win-

terhardiness and excellent performance in the state since 1955, and is available in most seed stores.

The varieties DuPuits, Glacier, Stride, Team, Apex and Tempo had low yields in these long-term tests primarily because of wilt susceptibility. They are also less winterhardy than varieties like 520 and Vernal. These varieties are NOT recommended for long-term stands.

**IROQUOIS FOR WETTER SOILS**

Iroquois has given excellent performance on well-drained soils at East Lansing, the Kellogg Farm near Battle Creek and Lake City, all in the

Lower Peninsula and at Chatham in the Upper Peninsula. Because of its excellent performance in demonstration trials on imperfectly drained soils in Lapeer and St. Clair counties and under irrigation with 3 inches of sewage water weekly at East Lansing, it is recommended highly for soils apt to be more poorly drained than desirable for Vernal or Saranac.

**PHYTOPHTHORA ROOT ROT RESISTANT ALFALFAS**

Agate, the first root rot resistant alfalfa, was developed at Minnesota and released jointly with Iowa, Missouri and Michigan in 1973. Apollo is another resistant variety released for use in 1976 by a

commercial company. Apollo has not been tested at MSU since it is a new variety.

In Michigan and other states where it has been tested, Agate generally yielded more than Vernal on poorly drained soils. It has yielded 5 to 10% less than Vernal on well-drained soils. Agate has more resistance than Vernal to root rot on poorly drained soils especially during the first three months of the seedling year.

Agate, and probably Apollo and other root rot resistant varieties now being released by industry should probably be considered for use on poorly drained soils where rotting of roots about 1-2 inches below the soil surface has been observed during the seeding year.

## Hearing loss to farm workers may be serious says safety engineer

Time was when life on the farm was tranquil, but not anymore. Today, substantial numbers of Michigan farmers are losing their hearing from noisy machine operations.

"By age 65, many farmers have hearing loss enough to impair normal hearing of speech," says Dr. Richard G. Pfister, Michigan State University agricultural safety engineer.

Even boys who operated farm equipment while growing up on farms began showing hearing damage early in life. Too much noise may affect safety and health. It can be fatiguing, reduce work output and produce errors and accidents.

Hearing damage may come from tractors, harvesters, grain mills, grain dryers, chain saws, power saws or other intense sounds such as gun fire, snowmobiles, etc.

"If you ears ring after exposure to loud or prolonged noise, they may have been

damaged. Noise-induced hearing loss rarely involves total deafness, and early stages usually don't occur at the lower frequencies. But loss can't be reversed and may affect ability to hear speech as a person grows older."

The risk of hearing loss grows with increase in loudness, frequency and length of exposure to sound. It travels in waves similar to those created by dropping a stone in a pond of water. Decibels (dB) are a logarithmic unit which measure the pressure of the sound wave.

Normal speech ranges from 40 to 60 dB. Heavy traffic is rated at 80 to 90 dB, a shotgun blast or being near a jet taking off (100 feet) is 140 dB — the threshold of pain, Pfister explains.

Intermittent noise is less damaging than a constant noise — the ear tends to recover after a short rest. "A person can sustain loud noise up to 110 dB (such as an air blast sprayer)

without harm if exposure is less than one-half hour. But risk of damage is much greater if a person is exposed to a tractor noise output of 95 dB "all day," he says.

Proposed Occupational Safety and Health Administration (OSHA) standards indicate the maximum hours a person can withstand noise without risk of ear damage is as follows:

Sound Level [dBA]	Maximum Hrs. Per Day
97.5 - 100	2
95.5 - 97.0	3
94.0 - 95.0	4
92.5 - 93.5	5
91.5 - 92.0	6
90.5 - 91.0	7
89.0 - 90.0	8-9
87.5 - 88.5	10-11
86.5 - 87.0	12-13
85.5 - 86.0	14-15
less than or equal to 85	16 or more

Recent MSU tests indicate

that operators of 1970 to 1974 tractor models without cabs may reach excessive hearing loss levels in two to four hours of continuous tractor operation unless ear protection is worn.

"Ear protection is needed even more when running most older models that have an output of 100 dB at the point where the operator sits. Under OSHA regulations, such equipment should not be operated more than an hour or two daily without ear plugs or muffs," Pfister says.

With few exceptions, operators of new tractors having cabs provided by the manufacturer, can be operated from 8 to 16 hours without risk of hearing loss.

"However, air conditioning is needed in tractor cabs to maintain noise control because opening the door or window for ventilation destroys the protection provided by the acoustic material in the walls, floor and cab ceiling," Pfister says.

Typical examples of decibel level at the operator's ear from other machinery include: two-row corn picker mounted on a medium sized tractor — 110 dB; large self-propelled combine — 105 dB; hammer mill — 101 dB (at 10 feet) and fan drying system (nearby) 99dB.

If noise measures can't be cut to safe levels, hearing protection should be worn by everyone around the equipment. Though ear protection reduces the intensity of the noise, it won't prevent workmen from hearing conversation or how the equipment is functioning, Pfister says.

There are two basic types of ear protectors — ear muffs and ear plugs. Muffs reduce sound

to a safe level but allow enough through for information and safety purposes. They can be quickly removed and put back on, ideal when noise exposure is intermittent or of relatively short duration such as running a chain saw or grinding feed.

Ear plugs are available as preformed inserts made of foam rubber, as fiber or plastic. They are less bulky than muffs but must fit properly to be effective and kept clean to prevent infection.

Foam rubber and wax fiber types are low priced and adapt to various size ears, but get dirty and require frequent replacement. Plastic and rubber plugs are more expensive, easier to clean but may not be as comfortable. They should be custom fitted to be effective. Cotton is not effective protection.

"The cost and inconvenience of providing ear protection equipment is practically nothing compared to cost and inconvenience of hearing aids, or, still worse, not hearing at all," Pfister says.

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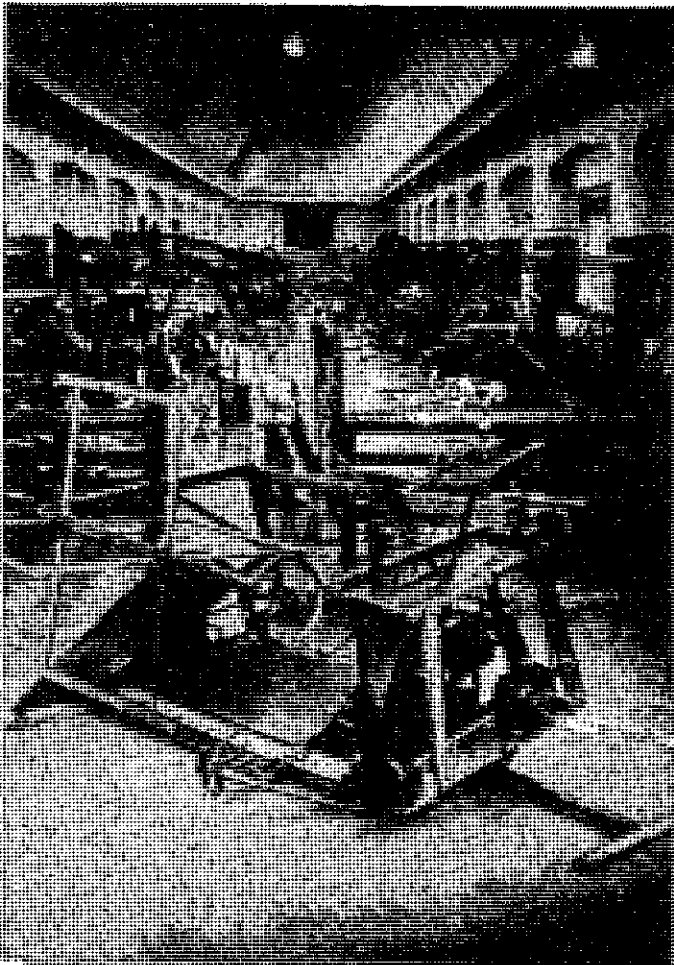
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# Early reaper featured at Ford Museum



The fifteenth of February marked the birthday of an industrialist and inventor who sparked the growth of mechanized agriculture in America. Cyrus Hall McCormick was not only the inventor of the mechanical reaper which revolutionized the agricultural industry in the mid-1800s; he was also a prime example of the American rags-to-riches success story.

McCormick was born February 15, 1809 in Rockbridge County, Va., the fertile grain farming area of the Virginia Valley. His father, Robert McCormick, had long tinkered with the concept of a mechanical reaper, and some say the invention was really his. In fact, 53 different patents on reapers already existed throughout the world by the time Cyrus McCormick built and patented his machine in 1834.

The McCormick reaper was a combination of different

features from earlier machines, rather than an entirely new invention. It combined: 1) a reciprocating cutter or sickle bar; 2) a rotating reel to bring grain into the cutter; 3) a platform to catch the grain; and 4) an outside divider to keep standing grain from clogging the machine. Its chief advantage was that it could do the work of six men with cradle scythes, harvesting 12 to 15 acres of grain a day. With minor modifications, pulled by tractors instead of horses, this reaper has survived as the hay mower of modern times.

THERE ARE NO known examples of the original McCormick reaper in existence. However, Henry Ford Museum in Dearborn has in its agricultural collections probably the oldest reaper now in an American museum. Made in Brockport, N.Y. in 1848 by Seymour & Morgan of Globe Iron Works, this particular

reaper was so similar to McCormick's that he sued his makers for breach of patent and won his case.

This was typical behavior for a man who had become the biggest entrepreneur in Chicago by the time of the Civil War. He could be regarded as a 19th-century robber baron, suing his competitors repeatedly to retain complete control of his patents. The lengthy litigations

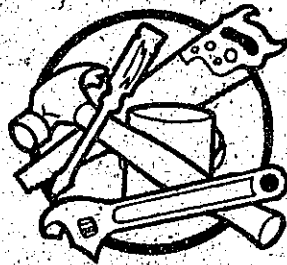
that ensued sometimes involved legal celebrities like William H. Seward and Abraham Lincoln.

Even politics and religion took a back seat to business. McCormick was a staunch Democrat and Presbyterian firmly opposed to abolitionists and secession of the South, but that didn't keep him from selling reapers to numerous northern farmers. A former close friend of Stephen Douglas,

he ran for congress in 1864 but lost the election.

Visitors to Henry Ford Museum can see the 1848 Seymour & Morgan reaper, almost identical to McCormick's original invention, as part of a self-guided Bicentennial Tour. Admission to the Museum is \$3 for adults and \$1.25 for children 6 through 12. Children under 6 are admitted free.

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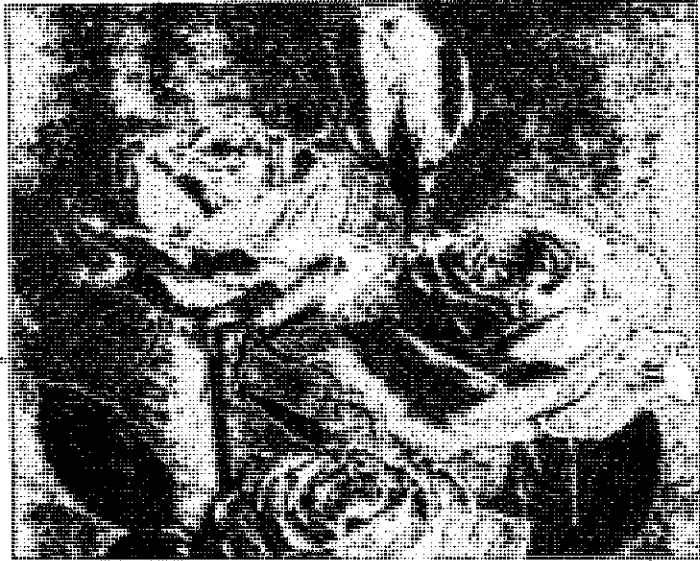
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# Spring rose news



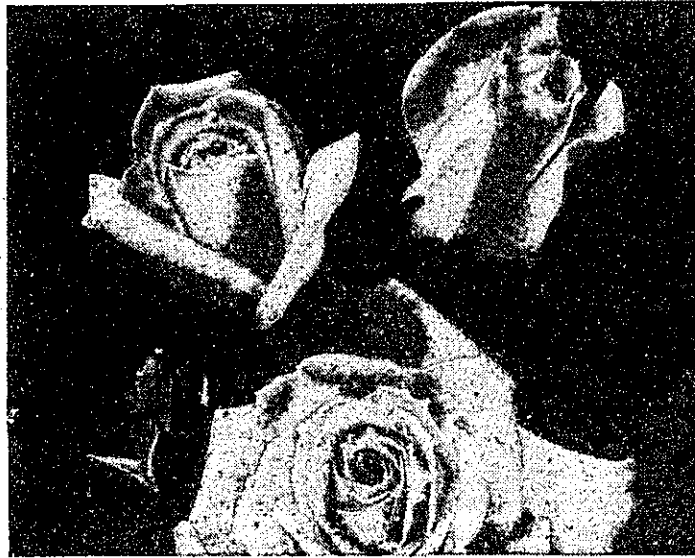
Yankee Breeze - Hybrid Tea



Cathedral - Floribunda



America - Climber



Seashell - Hybrid Tea

For 38 years, All-America Rose Selections has been admitting new roses into its 26 official test gardens scattered about the United States. These test gardens are open to all of the new hybrids whose breeders have the courage to submit their originations to what is readily admitted to be the most rigorous and exacting rose testing program in the world. The harsh rules governing the operation are inflexible and have never been changed. After two years of exhaustive appraisal in which every characteristic of the new variety is evaluated time and time again, either the entry emerges among the meager 4% who win All-America Rose Selections awards, or it goes on the brush pile. Ninety six percent of the entries will feel the sharp blade of the spade, as it abruptly ends their lives at the end of the testing period and relegates them to the discard, along with the hopes, dreams and endless hours of labor of those who originated them. It is by this stern, yet efficient and necessary program, however, that many roses that just can't quite make the grade are prevented from cluttering up the market.

Those few who do emerge triumphant with an award, will find a place in the gardens of the nation and the admiration of all who love fine roses, — the finest of the new roses.

(Concluded on page 37C)

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<b>CLAY</b> Equipment Herringbone Milking Parlors and other equipment	<b>OSWALT</b> Mixers and Scales	<b>NORTHWEST OHIO</b> Silos For the best in poured and stave silos	<b>CALUMET</b> Liquid Manure Handling Equipment	



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# SPRING ROSE NEWS

(Concluded from page 36C)

Blessed this year with All-America honors are four outstanding new rose creations — AMERICA, a hybrid of William Warriner of California and the first climber to win an award in 19 years, CATHEDRAL, a floribunda from that irrepressible Irish hybridizer, Sam McGredy IV, SEASHELL, a dainty golden peach and salmon hybrid tea from Reimer Korde of Germany, and YANKEE DOODLE, a bombastic orange sherbert hybrid tea from the same world famous hybridizer.

Now, to examine these four in detail:

AMERICA Plant Patent No. 3682). Of course there might have been a little thought put into the naming of this new climber, seeing as it will first bloom in American gardens in the nation's bicentennial year and is the product of an American hybridizer.

At any rate, it well earned its All-America award with probably the most perfect "tea rose," long-stemmed blooms of any known climber.

Being a climbing rose, AMERICA was born with two strikes against it to start with, in that the blooms of most climbers have neither the shape nor petal substance to be desirable as cut flowers and, in addition, the flowers of most climbers are borne in loose, floppy clusters. Also this class of rose requires some type of support on which to climb, therefore is not adapted to

many locations on the home grounds. AMERICA had to be good to win an award against these odds.

Its full petalled flowers are very large for a climber (some 3½ to 4" across) and are borne on long stems either singly or in small clusters. The long, shapely buds closely resemble those of hybrid tea roses and open to a bright salmon with a silver sheen. To add depth to their beauty, they have a delicious, deep clove fragrance, probably inherited from one of the parents, Fragrant Cloud. Because of the long blossom stems plus firm petal substance and attractive tea rose shape, the blooms of this award winner should prove excellent for cutting and flower arrangements.

Probably AMERICA is more of a pillar rose than an out and out climber. It will attain heights of about 10 ft. under ordinary conditions. The plants branch well and continue to produce large quantities of blooms throughout the season. There is virtually no fading of the flowers from opening to a salmon coral finish and the petals fall cleanly from the plant when their life is over.

The plants are vigorous and rate very well on disease resistance and hardiness, although, where winter weather is severe, the canes should be protected.

Of the four award winning roses for 1976, AMERICA is the only one produced by an American hybridizer, William

Warriner, of Tustin, California. We are pleased to note that AMERICA is his, third AARS award winner in the last four years, as he produced Medallion, which received its award in 1973, and Bon Bon, which was honored in 1974.

AMERICA is the result of a cross between Fragrant Cloud and a little known greenhouse rose, Tradition. Back in its ancestry, and contributing to its quality and beauty are also Peace, Prima Ballerina, Crimson Glory, Poinsettia, Don Juan and New Yorker.

All in all, AMERICA is going to please a great many people and will contribute much in the way of beauty to the future

gardens of this country.

CATHEDRAL (Plant Patent No. 3524). Often a new rose that is highly successful in Europe will be entered into the All-America Rose Selections trials only to drop by the wayside. Not so with the new floribunda award winner, CATHEDRAL. Before competing here, it had already won a Trial Ground Certificate of the National Rose Society of England; Certificate of Merit, Japan; Certificate of Merit Roelux, Belgium; Silver Medal, Baden-Baden, Germany; Gold Star of the South Pacific, New Zealand, and the Gold Medal of Portland, Oregon. Entered into the AARS trials, CATHEDRAL kept right

on its triumphal march and emerged as a 1976 award winner.

The individual blooms of CATHEDRAL are large for a floribunda, averaging 3" across, and are borne in clusters, each of which could be cut for a beautiful bouquet. The rich golden apricot blooms, semi-double with 15 to 18 delicately ruffled petals, display bright golden stamens in their fully opened flowers that add greatly to their beauty. The blooms also possess a sweet, fresh fragrance that increases their attractiveness in the garden and as cut flowers.

## Guard steers protect sheep

Early farmers who raised sheep were plagued with a problem of wandering dogs, which developed into wanton killers of their flocks.

One Kentucky farmer of the early 1800's described it this way:

"Perhaps, one of the greatest obstacles to the keepers of sheep has been the savage destruction made among them by worthless curs kept

throughout our country."

He devised a simple method of guarding his sheep.

In each flock on pasture, he'd put a few cows with nursing calves. With them, he also placed a few two or three-year-old steers.

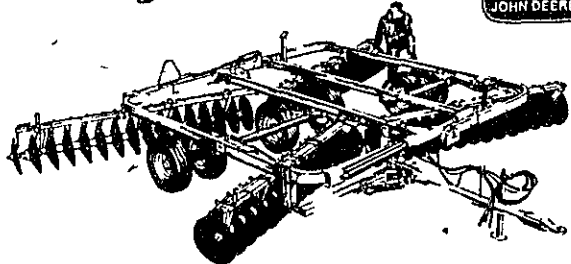
Taking a leashed, gentle dog into the flock, he'd set the dog on the sheep. Immediately, the cows, trying to protect their calves, advanced on the dog. The steers soon followed

the example of the cows and also attacked the dog.

Steers, reaching four years old, were removed from the flock and placed on separate pasture for fattening for the yoke. New steers were brought in and soon learned their duties.

Thus, a resourceful farmer trained steers to guard his flocks of sheep from killer dogs.

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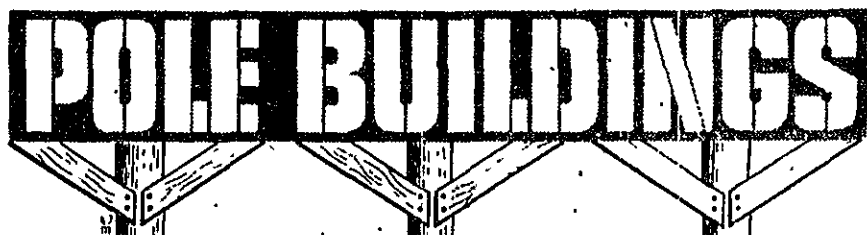
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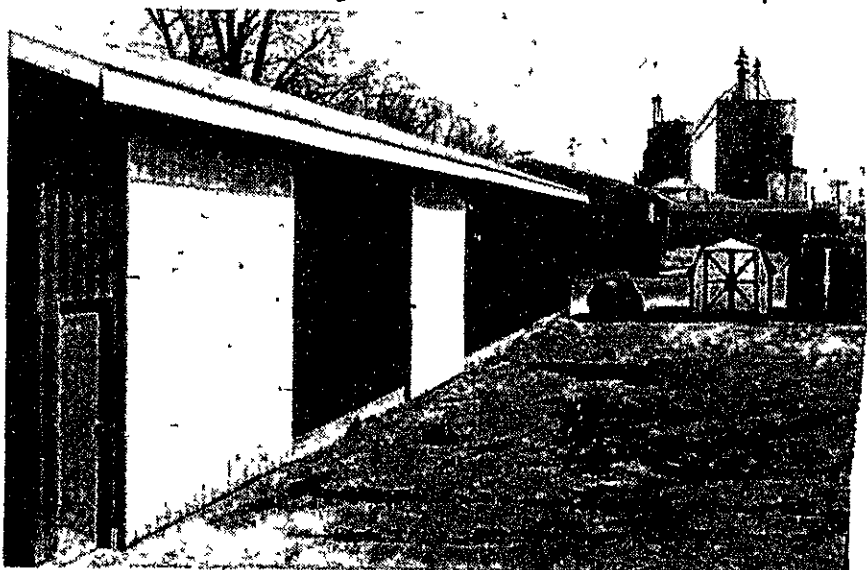
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# Farm loan rates stabilize

The interest rate you pay on a new farm loan in 1976 will likely be about the same as you would have paid in late 1975, says a Michigan State University agricultural economist.

"Who you borrow from may affect credit availability and the interest rate you pay," John Brake advises farmers. "Some lending sources are tied more closely than others to the money markets, so rates may differ. You also may pay as low or lower interest rates on a short-term loan than on a long-term loan. But in general, interest rates will be about the same in 1976 as in late 1975."

How much credit will be available to farmers this year depends on three factors: the supply and demand for borrowed funds, the monetary and fiscal policies of the federal government, and the psychology of borrowers and savers, Brake explains.

The supply of money is affected primarily by the policy

actions of the Federal Reserve Board of Governors. Here's how it works: the aim of the board is to promote full employment and to achieve price stability. To do so, the board expands or contracts the money supply. When the money supply expands, there's more credit available; this encourages business expansion and increases job opportunities. When the money supply contracts, there is less credit available, which discourages expansion and slows inflation.

"The dilemma is that the economy is suffering from both unemployment and inflation," Brake says. "So, the board must set a monetary policy that is expansive enough to encourage business expansion yet restrictive enough to restrain inflation. Hence, we should not expect any drastic changes in monetary policies."

A second factor affecting credit is federal fiscal policy:

that is, taxes and spending. In 1975, the federal government borrowed a substantial amount because spending exceeded taxes. This put pressure on the money markets and boosted interest rates. While the national budget will likely continue on the deficit side in 1976, the deficit should be smaller than in early 1975, Brake says.

"As for the third factor - the psychological viewpoint - when

businessmen see good future prospects, they borrow money to expand their productive capacity, build inventories and increase production," Brake says. "Savers are also influenced by the inflationary situation and by interest rates. If inflation rates make interest on savings worth less over time, rather than worth more, there is less incentive to save."

Economic recovery is slow, so the economy continues to be

sluggish. For that reason, Brake foresees neither strong demand by businessmen for borrowed funds, nor great incentive for savers to invest in monetary securities.

But if business continues to recover throughout 1976, it's possible that business demand for funds will increase; with the continued deficit financing by the government that could mean higher interest rates toward the end of 1976.

## Fertilizing your lawn

All lawns need fertilizer. If you don't believe it, spread some on a small patch and wait to see the results. Early April is a good time to fertilize your lawn. Fertilizer applied in early April will not burn the grass as readily as when applied in late May or early June. Fertilizing early will cause rapid growth and necessitate frequent mowing. The grass will fill in small open areas so there is less opportunity for weed invasion. A healthy, dense turf is the best defense against weeds.

Fertilizers should be applied with care. Rotary, broadcast-type spreaders usually distribute the material more

uniformly than drill or drop type spreaders. The drill or drop type are safer if herbicide fertilizer mixtures are applied around susceptible shrubs and trees.

These combinations of herbicides - fertilizers can be used efficiently and conveniently for pest control and fertilization when used at the proper rate and time. These materials should be applied only when needed for weed or disease control. Carefully follow directions on the label for rate and method of application. Do not use these mixtures on vegetable gardens or ornamental plantings.



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# Check alternatives before buying livestock waste handling system

Most livestock producers eventually will have some type of highly mechanized manure handling system in their farm operation. Many of these will include a facility for storing manure.

"Decisions will likely be influenced more by the need for more efficient waste handling rather than the possibility of restrictive legislation in the near future," says Dr. Ted Loudon, Michigan State University agricultural engineer.

Methods for controlling nonpoint source pollution (which includes manure) are being studied, but these should not be the main reason for deciding to buy improved waste handling equipment.

"I DON'T BELIEVE there will be restrictions on winter field-spreading except on certain soil types, steep slopes or near streams, etc.," Loudon says. "Most livestock producers in Michigan have enough land that they can avoid future pollution problems, if they choose spreading areas carefully."

"The primary concern of producers should be the type of system which will work most efficiently for them at the lowest possible cost. The most expensive and elaborate on the market is not necessarily best suited for every farmer's operation," Loudon adds.

Besides initial outlay, producers should consider annual costs, required supplemental labor and how the system blends with the farm management program.

"Some producers have found that their completely automatic system, which was expected to eliminate hand labor, does not. In some cases, they are spending as much time in the barn making sure manure is of the right consistency for pumping systems, or cleaning residues that automatic scrapers missed, as they would with another system," Loudon says.

"STORAGE SYSTEMS, regardless of size, will have to be emptied at some point and may require several days to do so," he adds.

Producers should consider how the system will fit their cropping plans, weather and available land area. "If large volumes of manure have to be handled from storage in the middle of harvest or spring planting, it could cost the producer valuable time. If the time comes in the middle of a rainy streak, he is going to be in trouble. And what about land space? Will he have enough open acreage to spread the volume?," Loudon says.

Therefore, careful management of manure storage facilities is necessary. Sometimes, if land is available, one should spread even if the storage is not full. This will provide the necessary storage capacity until the next opportunity for handling arrives.

Loudon has estimated current costs of four complete systems

providing a six-month storage volume for a 100-cow dairy herd in cold covered housing.

THE SYSTEMS analyzed range from a concrete tank under slatted floors and little mechanical equipment to mechanized system including automatic scraper and a ram pump to move manure to an outside storage pit. Also included were ground silo-type and earthen storages.

Initial investments in these systems, including all pumps, spreading, etc., ranged from \$23,500 to \$45,000. When labor, hauling costs, the value of lost nutrients, interest and depreciation are figured together, the annual cost of owning and operating these systems ranged from about \$4,800 per year for the stacker or the mechanized system to \$7,600 per year for the slat and concrete pit system and above-ground storage system.

In contrast, the estimated annual cost of operating a daily haul system for 100 cows is \$3,400.

"As to which of these may be the system of the future, the silo storage method is appearing on many farms," Loudon says. "This may be principally because it comes as a package deal. The farmer orders it, the distributor puts it up, and it's ready to go. It appears to be the easiest to obtain," Loudon says.

The other systems generally entail working with one or more

contractors and usually Soil Conservation Service personnel plus doing some of the labor to get the job done. "Some producers may not want to be bothered going through this," Loudon says.

A more promising method is the stacker system with liquid drainage from the storage. "This allows maximum latitude in everyday management and can be gradually added to as the farm operation grows," Loudon says.

HE LISTS the following advantages:

- The existing spreader and loader can be used.
- There is less total material

to handle and haul to the field; since no water has been added to the manure.

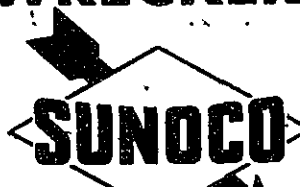
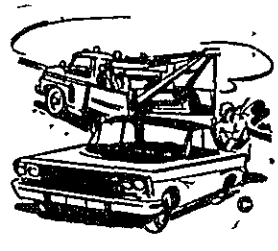
-The hauling schedule is flexible (no need to plan ahead for agitation.

-Odors from solid storages where water is drained off are less objectionable.

Newer developments in waste handling include flushing systems, which wash the barn floor (usually having a three to four percent slope) clean.

This kind of facility is being tried by at least three cold barn dairy operations in Michigan. Some units require about 30,000 gallons a day to flush four alleys.

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## Strip farming a century old

While poor farming practices causing erosion and other neglect of the soil prevailed well into the 20th century, there is evidence of early attempts at conservation methods dating back a century or more.

In 1865, more than 200 farms on rounded hills in Lycoming County, Pa. were being tilled according to strip farming practices, alternating crops like corn with uncultivated crops like grass or winter wheat. Slowly, the practice spread.

In 1928, the U.S. Department of Agriculture started to awaken many farmers to the threat of poor farming practices in its bulletin, "Soil Erosion a National Menace." But it took a farming disaster, the "Black Blizzard" of May, 1934 to drive the extent of the problem home. Then a series of droughts accompanied by high winds stripped farms in Kansas, Oklahoma, New Mexico and Colorado of their top soil and carried the dense black clouds for hundreds of miles.

The "dust bowl" and the pathetic migrations of destitute farm families resulted in expansion of efforts of the government's Soil Conservation Service, which had just been created in 1933.

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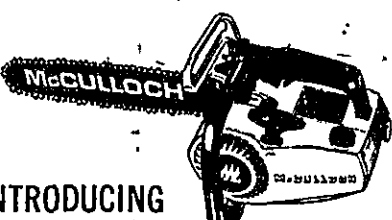
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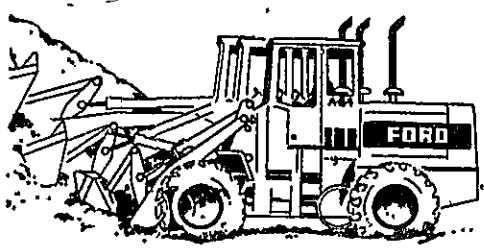
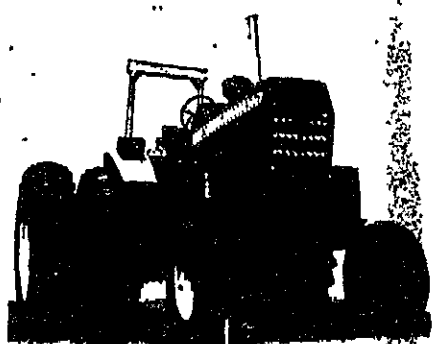
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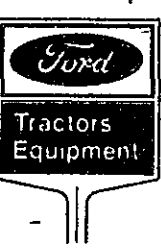
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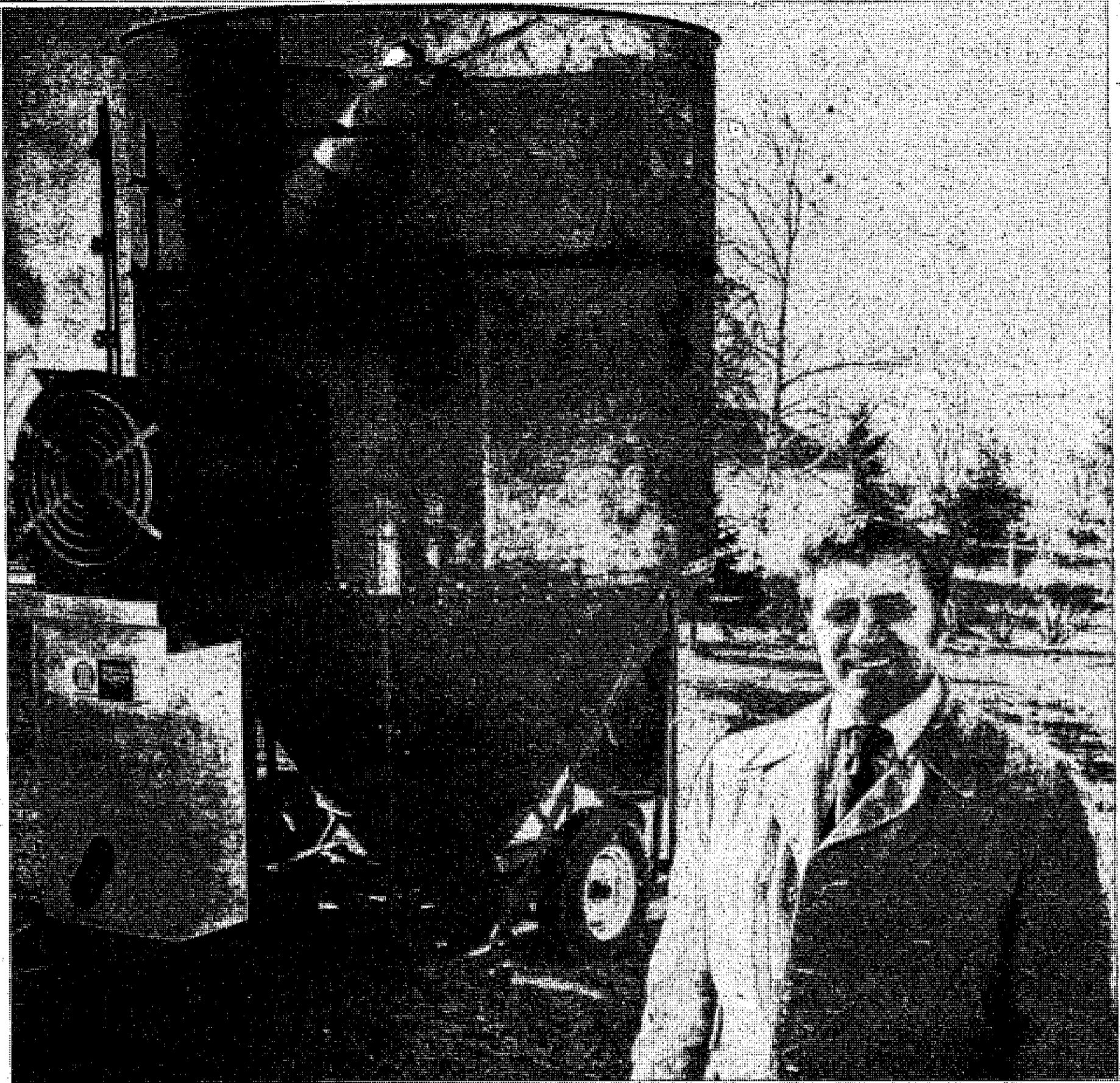


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