

*Library Copy*

MICHIGAN STATE UNIVERSITY  
DEPARTMENT OF HORTICULTURE  
EAST LANSING, MICHIGAN

# **The Spartan Shorty**

**MICHIGAN  
STATE  
UNIVERSITY**

**Short Courses  
1965**







Somebody picked out the Playboys



Winter term registration



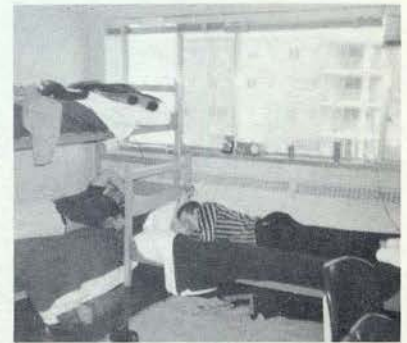
. . . Rogue's Gallery?



Pamphlets & periodicals



"I read you loud and clear, cats."



As you were, men.



Who sweeps floors anyway?



← You do, or else.



Education is culturally uplifting.



Before his pitch.



☐ dancing is ☐ slow dancing?



After some discussion.





SHORT COURSE COUNCIL

Front row, left to right: Gerald Hopkins, Gerald Ayer, Robert Cline, Larry Misenhelder, Kennis Friess. Second row: George Bush, John Lynn, Carl Eady, Kenneth Bohn, Tom Golden, Charles Herpolsheimer. Third row: Arthur Kruetzman, Duane Anderson, advisor, Michael Block.

#### A MAN'S WORTH

What is the value of a man?

Dr. Charles Mayo of the Mayo Clinic in Rochester, Minnesota, recently observed that the human body has increased in value from the 98 cent figure calculated a number of years ago to an astronomical high of \$34.00.

The increased value is due to the rising demand for the chemicals present in the body. These are his calculations:

Enough fat to make seven bars of soap.

Enough iron to make an eight penny nail.

A pinch of magnesium.

An amount of potassium capable of exploding a cap pistol.

Enough sulphur to chase the fleas off one dog.

Enough lime to whitewash a medium-sized chicken coop.

And finally, enough phosphorous to tip 2500 matches.

Another measure of a man is to evaluate his muscle power. Our electric company has determined that the horsepower generated by human muscle is worth 4¢ per hour.

Obviously man is not worth much as chemicals or kilowatts. His distinctive

value is due to his brain . . . the ability to store knowledge which can be utilized to think, to reason and to make decisions which guide his actions.

Fortunately, man can improve his worth. As a comparison we can use the example of a plain bar of iron worth about \$5.00. This same bar of iron made into horse-shoes is worth \$10.50. If made into needles, it becomes worth \$3285.00, and if turned into balance springs for watches, it attains a worth of \$250,000.00.

Similarly, a man's value can be increased and his ultimate value is determined by what he makes of himself.

Harold A. Henneman

Short Course Director





## STUDENT GOVERNMENT

Some people think of the Short Course Council only as a government for Short Course men. In my work, as president of the Council, I find the Council functions as a service to the students by arranging activities they could not otherwise take part in because of their short stay on campus. The activities are varied. Term parties, banquets, films, pamphlets, newspapers, magazines, reference books, used book resales, and intramural olympic nights are but a few of the Council's services.

In all-Hall activities we work closely with the four-year students (usually leading the way) on such projects as the paper drive and Christmas party for underprivileged children, and we always lead the campus in the blood drive. Together with the other Short Course students we produce this Spartan Shorty to let you know what we have done in Short Courses this year and what you can look forward to in the future.

The Short Course men have made tremendous advancements in schoolwork, extra curricular activities, and cooperation among the Armstrong Hall residents; and I hope future students will continue to do as well. I am sure that you will.

Bob Cline  
Council President



Santa at the fall term banquet.



Gilchirst Square Dance

## SOCIAL

The Short Course Council sponsored two square dances this year, one with Mary Mayo Hall and the other with Gilchrist Hall. Numerous exchange dinners, card parties, pizza parties, open houses, and floor parties keep the social register balanced with the academic programs.

Jerry Ayer

## TOP STUDENT LEADERS

Outstanding students are selected annually by the students of each Short Course program. Those selected for the 1964-65 year were as follows: Young Farmer, Kenneth Bohn; Elevator and Farm Supply, Paul Darby Graves; Farm Equipment Sales and Service, John Petru; Nursery and Landscaping, Eugene Woodruff; and Floriculture, Tommy Reynolds.

Alumni of these programs and industry associations honor these young men with mementoes of their excellent scholarship and demonstrated leadership abilities.

Two special awards were made at the Young Farmer Graduation Banquet on March 5. Classmates of Bob Cline and Jerry Ayer felt that the service and leadership efforts of these young men should be acknowledged. They were given a presentation by Duane L. Anderson, Short Course student advisor.



## SPORTS

Short Course students were active in all sport events again this year.

We had nine football teams last fall. After many practice sessions and six tough games, the Elevator II team came out on the top of the Short Course league.

Immediately after winter term registration, basketball teams were organized and began practice sessions. The teams were well balanced and most of the scores were close. Win or lose, these experiences give us pleasant memories of our college days.

In addition to the team sports, there are many individual sports, such as swimming, handball, ping pong, paddleball, and others.

The first term "Olympics" were won by the third floor "House of Ares". The competition among the three floors was great, and the scores were close between first and third floor.

Larry Misenhelder



Career Info at Farmer's Week Booth

dinner meetings with some very interesting speakers. We also edit the Spartan Shorty. We hope this Shorty will help new students get acquainted with the Short Course programs and help the students living remember all of the good times that we had at Michigan State University.

Kennis Friess

## SCHOLARSHIP

The students at Short Course must attain a satisfactory grade point average during their stay at Michigan State University.

Our hope and our aim is to receive as much knowledge about modern and complex farming as possible. We have countless instructors who are willing to help us with our problems. This means a great deal, especially when you first come to M.S.U. This close relationship helps to create an attitude of cooperation among students and instructors.

Short Course students have a library in their dorm. It contains farm related pamphlets and magazines and some of the more popular general magazines. Films are shown weekly and bulletin boards on each floor contain a vast array of information. Each floor has a scholastic chairman who has the responsibility of keeping the test file in order and offering other students help with classwork problems.



Ken Bohn at Little International

## ACTIVITIES

The Activities Committee is always busy doing something. We have a couple of very important events, such as the term end banquets. At these banquets we have a lot of fun with our talent, and we even have a Santa.

Some of our other duties are helping the social chairman and supervising





The epitome of concentration

Our grades reflect our character, and our character in turn determines our status in life. Someday we hope to become leaders in our communities. We have laid the foundation right here at Short Course. This is an exciting, new, and different facet of our lives. It is an experience we will remember for the rest of our lives.

Michael Block

#### CLASSES

Short Courses at Michigan State University offer a wide range of courses. A few of the main courses are the following: agricultural economics, agricultural engineering, animal husbandry, farm crops, horticulture, and soil science. Other courses related to farming are farm law, dealing



Armstrong and Short Course out-gathered the whole campus in underprivileged children paper drive.

with farm leases, mortgages and rights of farmers; leadership; speech, which helps you become a better member of the community by participating in community organizations; family living, which helps you with your problems today and some that may come up in the future; and important improvement courses in reading and arithmetic. Reading is designed to help you improve your reading habits and become a more efficient reader.

Students in the Short Course live in the dormitories and have access to all of the facilities that four-year students have.

If you want this great opportunity, it is yours at Michigan State University.

Ron Mick.



Nothing like a good stretch.

#### JUDGING TEAM

The Canadian Winter Royal Fair was held in Toronto the second week of November. This was the second year the Short Course was invited to attend and compete with three Canadian Short Course teams. Ken Bohn, Ken Friess, John Moore, and Nelson Francisco were picked from the top seven students in Animal Husbandry and attended the Fair as a team.

The team judged M.S.U. and area farm stock for only two weeks before the show and yet represented us well in the competitions. The judging practice, observation of farms, and interviews with owners will all be useful information to us in future years.



Mr. Donald Shepard, assistant director of Short Courses, and Ray Kliewer, dairy instructor, were the two main sources of our advisory knowledge.

Judging at the Canadian Royal included ten classes of animals: dairy, beef, swine sheep, and swine carcasses. The team placed fourth, but the experiences we gained from Canadian methods, quality of livestock, and the friendliness of the Canadian people certainly were rewarding.

The team members and the department wish to thank the Alumni Association for sponsoring the trip. We enjoyed it fully and hope future teams will derive the same benefit.

Nelson Francisco



Livestock Judging Team

From left to right: E. Aberle, instructor, K. Brown, K. Friess, J. Moore, N. Tulloch, K. Bohn, G. Deer, R. Kliewer, instructor, D. Shepard, coach.

#### A TYPICAL DAY

When the soft soothing music from WJIM radio station comes on and your alarm goes off, it is time to get out of bed. Although you don't feel like getting up, you have to go to class, so it's up and at 'em. The first thing you smell is the invigorating aroma from the sewage plant--that really wakes you up. Then you wash your face in cold water to get your mind working, brush your teeth, and get dressed.

Now it is time to go over to Brody to get something to eat for breakfast. With a little bit of food in our



It's a long way over to Anthony.

stomachs, we start out for our 8 a.m. class across campus. We never make it very early but just in time to hear our names called and to answer, "here."

At noon we are hungry from walking from class to class, so we either hurry to Brody or get a meal transfer and eat at Shaw, whichever is closer to our next class.

As soon as our afternoon classes are over, we walk back to the dorm and get ready for the evening meal. Dinner is usually enjoyed in a relaxing atmosphere. The tests are over for the day; and we eat with a few girls' halls, which seems to set the day off just right.



Of course, the R. A. helps make your bed.



After dinner we return to our rooms and talk over the day with our room-mates. Later, we think about studying. Something usually interferes, but we finally get to it. In the middle of studying we take a study break to call a few girls. Then it is off to bed to dream of the good old days when all we had to do was work, work, work, with only a little think, think, think.

Bob Oeschger



Studying Laws of Probability

#### THE BREEZE

This year the Short Course "Breeze" has seen many editors. The year began with Fred Currier. His brilliant efforts are still in use, along with all of our most brilliant efforts.

We are featuring a teacher of the week series. The Short Course students vote each week for the two teachers they like best. Someone then writes an article on the teachers' interests and personal life. We also feature a Dear Abby column, which gives us a chance to complain to someone about our problems and hope for a solution.

The "Breeze" provides an ample opportunity for the students to voice their opinions and beliefs. Mr. Anderson's Leadership class provides articles on various subjects of interest. We try to include a few jokes and hope to have interesting reading material for the Short Course students.

Maurice Low  
Art Kreutzman



Don Shepard  
Assistant Short Course Director

#### YOUNG FARMER SHORT COURSE

The objective of the Young Farmer Short Course is to provide an opportunity for beginning farmers to gain additional knowledge which will increase the likelihood of farming success.

Since its beginning in 1894, around nine thousand Short Course Alumni have returned to their home communities to become successful farmers and community leaders.

The course is offered in the late fall and winter months as most of the participants are actively engaged in farming during the busy season on the farm.

The student may elect the majority of his subjects. He can specialize in dairy, livestock, cash crops, poultry, fruit or vegetable farming. In addition, all students take soils, engineering, communications, and management subjects.

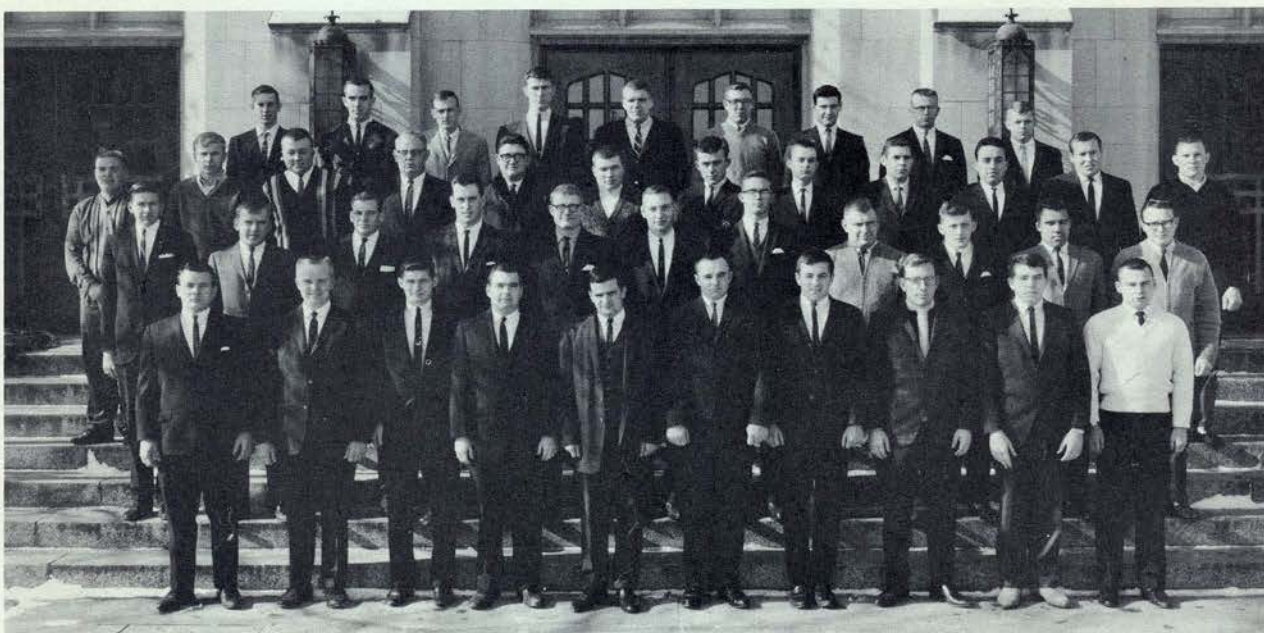
The experience of living away from home, making friends with young men from throughout Michigan, participating in extracurricular activities and becoming familiar with agricultural research and extension personnel at Michigan State University are all factors which contribute to a Short Course student's education.





YOUNG FARMER GRADUATES - CAULKINS SCHOLARSHIP

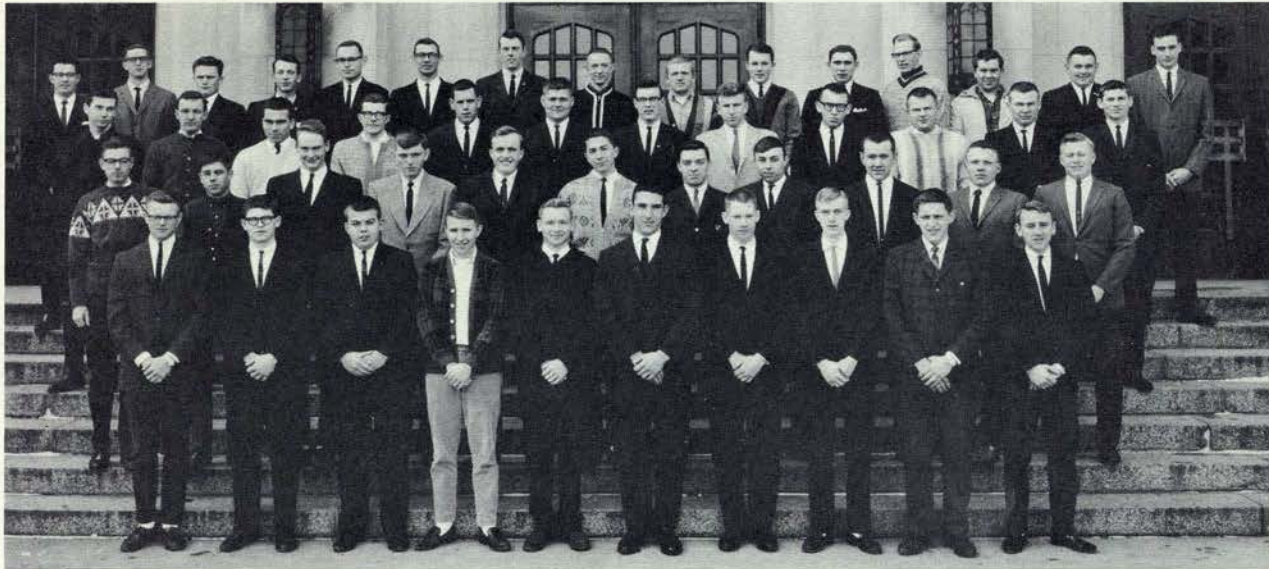
Front row, left to right: Kenneth Vogel, Ronald Mick, Robert Cline, Knowlton Brown, Ronald Wolfin, Robert Becker, David Sting, Richard Samson. Second row: Daniel Shoup, Nicholas Stotz, Martin Thomsen, Ronald Metz, Robert Oeschger, Ted Harms, Nelson Francisco, Kenneth Bohn, Gene VanRhee. Third row: Ronald Shoals, John Lynn, Larry Eaton, Richard Mead, Karl Schmidt, Jerry Brandel, Kenneth Mahar, Dan Carty.



YOUNG FARMER GRADUATES

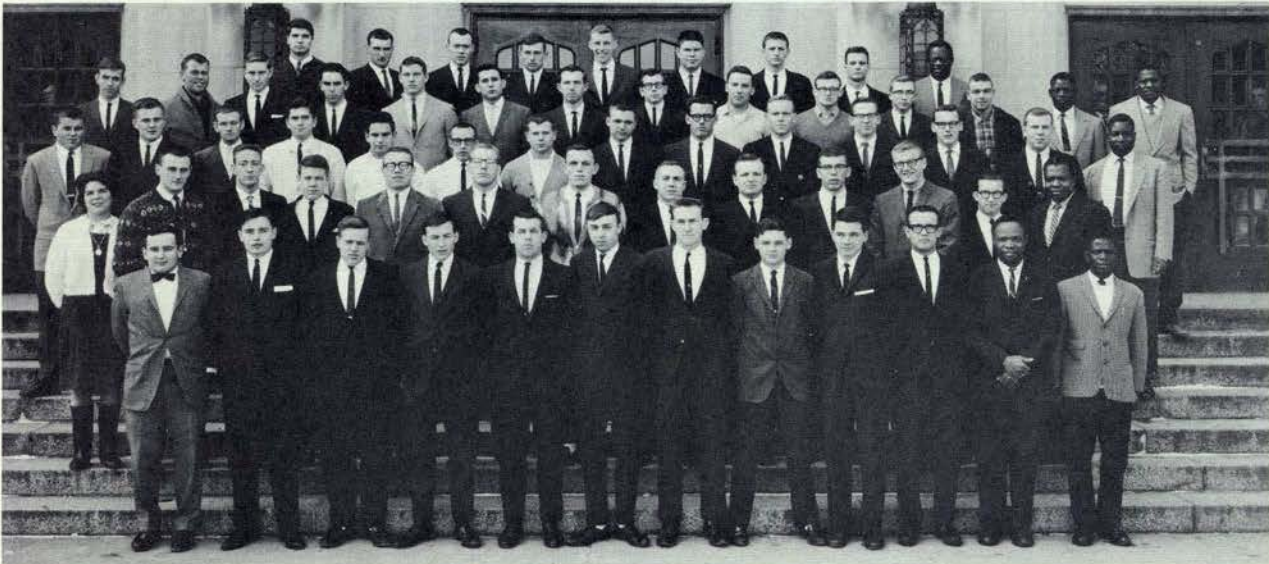
Front row, left to right: Chris Pope, Robert Rhoades, Michael Conn, Neal Shippy, Gerald Ayer, Harry Russell, Gary Oshust, Kennis Friess, Ned Tulloch, Terry Johnston. Second row: Ivan Yoas, Donald Fisher, Ray Brown, Harry Roehl, Loyd Green, Carl Eady, Ray Dreyer, John Branstetter, Hugh Roberts, Rick Gowans, Joseph Baranski. Third row: Charles Wolthuis, Ted Hanson, Robert Gusta, Elton Henderson, Thomas Bartlett, Larry Brabant, Ted Buehler, Larry Enz, John Moore, Dick Brown, Howard Mitchell, Glen Graf. Fourth row: Robert Yaw, Keith Van Singel, Charles Wall, Maurice Kaercher, Jon Sleder, Allan Albrecht, William Erwin, Dale Hey, Gerald Deer.





YOUNG FARMER UNDERGRADUATE BANK SCHOLARSHIP WINNERS

Front row, left to right: G. Shaw, T. Seamans, G. Hopkins, D. Rogers, R. Petro, G. Girbach, R. Herman, E. Keezer, M. Schwab, R. Binder. Second row: P. Spencer, R. Sebastain, C. Lee, M. Bowman, S. Gould, J. Dietz, W. Essenburg, M. Block, W. Hecht, L. Misenhelder, D. Stutzman. Third row: D. Orr, B. Glover, J. Welmerink, W. Armstrong, G. Fidler, P. Elyea, T. Oswald, J. Schiller, L. Zwerk, D. Darish, D. Bidwell, M. Wilson. Fourth row: W. Rosel, H. Tew, C. Reichardt, G. Hulbert, G. Duckert, G. Parsons, H. Anderson, J. Spivey, N. White, T. Stamp, R. Bortel, A. Kruetzman, J. Miller, E. Stanton, A. Bradbury.



YOUNG FARMER UNDERGRADUATES

Front row, left to right: M. Yascolt, G. Kingsford, B. Kleinschmidt, W. Rennie, C. Harms, M. Block, R. Service, H. Roesch, R. Chrisinski, T. Golden, E. Ibanga, B. Changatuwa. Second row: P. Rae, E. Bird, J. Helwig, J. White, D. Parrott, E. Lyszak, R. Wangler, D. Koenigshof, C. Newberry, G. Engel, H. DeHaan, D. Hickey, I. Okoye. Third row: M. Low, D. Larson, J. Selleck, R. Holewinski, R. Kardos, A. Miller, B. Sting, G. Tuthill, J. Booms, E. Bass, J. Donahue, D. Smale, V. Carpenter, G. Chemboga. Fourth row: F. Burger, M. Covert, H. Hansen, D. Wagester, K. Putnam, C. Gomez, R. Johnson, C. Herpolsheimer, T. Mikkelson, D. VanValkenburg, L. Goodell, J. Pung, A. Ntungama, B. Phiri. Fifth row: F. Walter, L. Wykes, G. Smith, J. Graham, W. Saupe, J. Vershum, E. Eldridge, D. Meany, F. Ugha.



## FARM PLACEMENT

Every year some students and graduates desire employment on farms either for experience or as permanent positions. At the present time, the demand is far in excess of the available supply of young farmers to fill these positions. Short Course graduates with two to four years of farm experience, who are married, and with the military service completed are in very strong demand. There are many alumni of the Michigan State Short Course program in very responsible positions as managers, herdsmen, and farm operators throughout Michigan and adjoining states.

The modern successful young farmer is a highly skilled operator. Farmers and farm workers handle many expensive pieces of equipment, deal with complicated feeds, hybrid seeds, high analysis fertilizers and valuable livestock. To make a success, the young farmer needs a great deal of technical skill and knowledge. That young man who is really interested in farming, who is willing to work, and who is skilled will always find employment opportunities.



Distinguished S. C. alumni and wives

## ALUMNI

Graduates of the Young Farmer Short Course program are automatically members of the Alumni Association. The Alumni Association does a great deal to promote the Short Course program and is active in other ways. Two meetings are held on campus each year. At the fall meeting



Drs. Henneman, Swenson, Tenny, and Freeh

there is a luncheon, and we purchase a block of tickets for the Homecoming Day football game. The annual meeting during Farmers' Week consists of a reception and banquet. Each year distinguished alumni are honored.

The four honored this year were the following: Walter E. Frahm, Frankenmuth (1948); Charles Gray, Merritt (1913); Dave Morris, Grand Ledge (1948); and Robert Zeeb, Bath (1953).

Walter Frahm is in partnership with his brother, but the brothers own separate farms. Together they own 90 head of good purebred Guernseys and operate a total of 360 acres. Their cash crops consist of sugar beets, beans, and wheat. Walt is active in the County and State Farm Bureaus and in the State Guernsey Breeders Association as a member of the Board of Directors. He has served in the Saginaw Presbyterian Church as an officer and is president of his local school board. Mr. and Mrs. Frahm have five children.

Charles Gray owns a 2000-acre ranch in the Lake City - Merritt area. He runs some 500 head of breeding ewes and about 1000 head of cattle annually. Charles Gray is known and respected throughout northern Michigan. He operated the livestock sale at Alpena. He has been a member of the local school board for many years, was a township trustee and served on a county advisory council for the Extension Service.

Dave Morris operates 470 acres of which some 120 are rented. This farm is



mostly tillable and is nearly all in corn and wheat. He feeds about 800 cattle annually. He does most of the work with the help of one full time and some part-time help. In addition, he finds time for many community activities. Dave is very active in the Grand Ledge Methodist Church, at present being Chairman of the Board of Trustees. He is active in both county and state Farm Bureau activities and is a member of the Board of Directors of both groups.

Robert Zeeb operates in a partnership with his parents and uncle. This is a modern dairy farm of 440 acres. The dairy herd consists of approximately 100 cows plus about 80 heifers and calves. Bob was selected last year by the Michigan Junior Chamber of Commerce as the outstanding young farmer. He also finds time to participate in the affairs of the D.H.I.A. and Farm Bureau and is a member of the County 4-H Club Council. Mr. and Mrs. Zeeb have a family of three boys and a girl.

Other activities of the Association include publishing a newsletter quarterly, which is mailed to those who desire to keep in touch with the University and the alumni. Each year the Association honors an outstanding student in the Young Farmer program. The student selected this year was Kenneth Bohn of Galien in Berrien County. His name has been added to the Alumni Award plaque on display in the Short Course office.

The Association also sponsors the livestock judging team which has participated in the Royal Winter Fair in Toronto the last two years.

Officers of the Association are President, Victor Ball, '56 of Albion; Vice-President, Walter Hunt, Jr., '57 of Lake City; Secretary-Treasurer, Donald Shepard, East Lansing; Directors: Carl Schoonover, '55 of Stockbridge; Carl Quackenbush, '60 of Burt; James Schwass, '49 of Scottville; Dick Stasa, '63 of Owosso; Marvin Lott, '49 of Mason; and Roland Russell, '40 of Adrian.

Donald H. Shepard, Secretary  
Alumni Association

## LITTLE INTERNATIONAL

This event is put on by the Block and Bridle Club. It is a contest on fitting and showing of livestock. Michigan State University makes this show possible by letting the club use their high quality livestock.

The show was held this year on January 16. It included the following classes of animals: Shorthorn, Herefords, Angus, Market Lambs, Breeding Sheep, Yorkshire Swine, Hampshire Swine, Arabian Horses, and Quarter Horses.

All students interested in taking part in this contest are welcome. It is a good experience and a way of meeting some new friends.

Robert Becker



Choice gals for Little International

## FARMERS' WEEK

This year Michigan State University celebrated the Golden Anniversary of Farmers' Week. The theme this year was "From the Progressive Past to a Forward Looking Future."

Farmers come from all over the state to attend meetings, discussions, and to see exhibits of new things in agriculture. The meetings cover a wide variety of subjects, from home economics to soil science. Not only will the farmer benefit from Farmers' Week, but also his wife. For the homemaker there are meetings on latest fashions, preparation of food, and many home-related topics.



This year there were exhibits on fifty years of farm mechanization, which was of special interest. President Hannah drew many people to the University Auditorium to hear him speak on "Agriculture at M.S.U. in the Next Half Century."

The Short Course Department paid special honor to a group of graduates who were in the program before 1915. Certificates of distinguished service to agriculture were awarded at the Alumni Banquet. Short Course students take full advantage of the meetings and exhibits in their out-of-class time.

Anyone who has never attended Farmers' Week has certainly missed a rare opportunity to mingle with his fellow farmers and to learn the latest developments in the field of agriculture.

Kenneth Mahar

#### LIBRARIES AND FILMS

Short Course students have access to their own library. Many pamphlets and magazines of special interest to Short Course students have been gathered through the efforts of the Short Course Council, the College Bulletin Office, and generous farm organizations. Much of the material covered in the magazines and bulletins is of special interest to young farmers.

In addition to the Short Course library, students have access to the Armstrong Hall library. This library has a good selection of reference books as well as many other books of general interest. Also, Short Course students may use the large facilities of the Michigan State University Library.

A film is shown every Thursday night at 7:30 in A-3 study room. These films are both entertaining and informative, and they allow students to get together for talk and a break from studying.

Leonard Goodell

#### NEW COURSE

A new 18-month training program for "Soil Technicians" will start Fall term 1965. This program will train young men for work in the soil and fertilizer industry. The course will consist of 4 terms at M.S.U., plus 6 months on-the-job training in the fertilizer industry.



Mrs. Lundberg and Jerry at Gilchrist

#### PROMENADERS

If you want to have fun and meet a nice group of people, you should try square dancing. The Promenaders are a campus-wide square dance group. They enjoy square dancing and are willing to teach anyone how much fun it can be.

They meet each Wednesday night in the Women's Intramural Building from 7 to 8:15. Visitors are encouraged; and, if you wish to join, you are welcome to do so.

Robert Becker

#### BOOK RESALE

The Short Course has a book sale each fall just after school starts. These are all used books that are left by students from the preceding year. The student marks the price that he wants for the book inside the front cover, then leaves it in Room 201 Armstrong until the next fall. There is no charge for selling these books. The sale is conducted by the Short Course Council, and after the sale, the money is sent to the student who left the books to be sold. This allows the new students to buy used books at a somewhat reduced rate and increases the resale value to the original owner.

Dan Russell



## PART-TIME EMPLOYMENT

The Student Employment Service of the Placement Bureau maintains a service for the students who are interested in part-time employment. The service covers all areas of student employment on and off the campus. First term freshmen are urged not to work until they feel thoroughly "at home" with University life. A student employed by the University may work a maximum of 20 hours per week unless granted special permission for longer hours by the college in which he is enrolled.

There are various types of jobs on campus available, on the farms and in the dining halls. If you like to work close, Brody cafeteria offers everything from a busboy to a ticket puncher.

If you can handle your studies and pick up some spending money, a part-time job offers something different and acquaints you with many interesting people and personalities. Leonard Goodell

## FOREIGN STUDENTS

Several Short Course students come from foreign countries. They hope to take some of the knowledge gained in Short Courses back to their countries to apply to their farms. This year students from Nigeria, Malawi, Colombia, Peru, Venezuela, Jamaica, Canada, and Ecuador have enrolled in Short Course. Many of them plan on going into 4-H work in their own country.

Foreign students add much to Short Course. It is always interesting to learn about their countries and ways of life and their impressions of our country and way of life. Their presence helps us to broaden our vision of the world in which we live. Leonard Goodell

## BLOCK AND BRIDLE CLUB

There are seven Short Course students who are regular members of the Block and Bridle and many who participate in special events. The club sponsors the fall and spring judging contests, the Spring Horse Show, the Little International Livestock Show, and many other student activities throughout the year.

Anyone interested in livestock and working with animals may become a member of the Block and Bridle Club, the largest organization on campus.

Ken Bohn



Leaders of Tomorrow?

## FUTURE FARMERS OF AMERICA

The Future Farmers of America, better known as the FFA, has been acknowledged and respected as one of the leading youth groups for boys seeking futures in agriculture since its foundation in 1928. The FFA has expanded from the 18 state associations represented at the first national convention in Kansas City in 1928 to the ten thousand chapters representing some 401,468 members from 50 state associations in 1964.

The FFA's purpose does not end at establishing a boy in some phase of agriculture. It also aims to develop him into a leader in his community and country and to build his personal character.

Michigan State University is furthering the education of many present and past members of the FFA. This includes State Farmers, American Farmers, and present and past state officers. This year we have 9 of our 13 state officers on campus. Five of the nine are in the General Agriculture Short Course. We also have three of last year's state officers with us in Short Course.

Looking at the achievements of our members, we can proudly say that we practice and believe in our motto: Learning to Do - Doing to Learn - Earning to Live - Living to Serve.

Daniel J. Shoup





ELEVATOR AND FARM SUPPLY STUDENTS

Front row, left to right: Jack Briggs, John McNalley, Peter Hopkins, Doug Mattis, Bill Bingam, Gaylord Kutzley, Ray Graham, Tim Crutchfield, Bill Nacke. Second row: Jeff Montei, Alvin Johnson, Gary Holt, Tom Merritt, Jim Mast, Rob O'Malley, Dick Hoogerhide, Gary Chase, Jim Wylie, Melvin Bigelow. Third row: Dave Dickerson, Tom Wieferick, Paul Graves, Chuck Vaughn, Larry Petroelje, Victor Mann, Russell Lutton, Mark Baumann, John Kucharski, Stan Pewoski, John Rife. Fourth row: Bill Van Daele, Jim Gillespie, Dick Brugge, Chuck Miller, Jerry Goschka, Alan Moudy, John McClenathan, Daniel Cronin, Nick Locanto, Louis Dunson, H. J. Ecker, coordinator.

#### ELEVATOR AND FARM SUPPLY

Forty-seven students were enrolled in the Elevator and Farm Supply Short Course Fall term, 1964. This is the largest enrollment in several years. Thirty students were just starting the program and 17 were returning for their second year of class work. These second year students will graduate in March, 1965.

The second year Elevator boys won the intramural football championship with an undefeated season. They also had an impressive record in basketball.

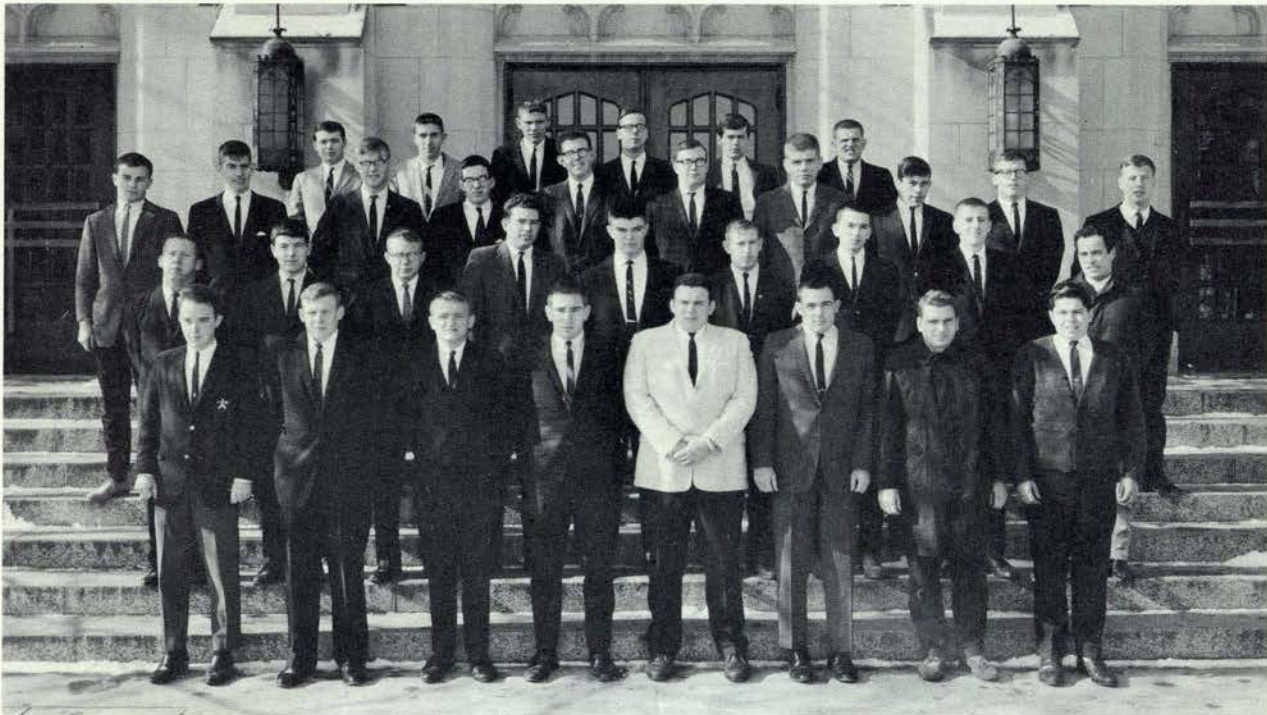
Our congratulations go to Darby Graves from Gruver, Iowa. Darby received the Outstanding Student Award presented by the Michigan Feed and Grain Dealers Association. The Feed and Grain industry continues to support our program in many ways. They supplied

scholarships to 22 Elevator students totaling over \$4000.00 during the '64-'65 school year. The industry also furnishes jobs for the graduates and for students on placement training. At this writing most of the students (both 1st and 2nd year) have jobs lined up.

Education is most important in today's Agricultural Business world. The fact that young men have completed the Elevator and Farm Supply Short Course will open doors for them. However, it will not prop those doors open. Where you go from here will depend on you -- your attitude -- your ambition. Good Luck!

Harold J. Ecker





NURSERY AND LANDSCAPE MANAGEMENT STUDENTS

Front row, left to right: Hubert Moloney, Gerald Tietz, Edward Eaton, Michael Wells, Bert Locke, Harry Van Slyke, Thomas Kneisel, Robert Richter. Second row: Patrick O'Rourke, Charles Esterline, Roger Wedel, Michael Williams, Bruce Baron, Paul Bauer, Jerome Herron, Milton Naugle, Jr., Warren Senger. Third row: Robert Johnson, Gary Brittain, James Chase, Richard Murphy, James Franks, Jr., James Manbeck, Robert Millar, James Brown, Clarence Kwant, Serge Henaire. Fourth row: Ferren Sims, Eugene Woodruff, Melvin Timmer, Laverne Lamkin, Joseph Miller, Thomas Kistner.

#### NURSERY AND LANDSCAPE MANAGEMENT

The Nursery and Landscape Management Short Course prepares students for employment in the interesting and rapidly expanding field of Horticulture. Graduates are employed in fields such as landscape construction, maintenance and design, park maintenance, garden center sales and large tree moving as well as a variety of positions in production nurseries. The four terms of campus training include courses in nursery business management, plant propagation, landscape design, salesmanship, as well as a variety of courses dealing with the culture of plants used in landscape plantings.

During the 6-month placement training periods students work in the type of nursery they find most interesting. Experiences this last year ranged from using a mechanical digging machine for large trees and moving trees weighing up to six ton, to designing and selling

landscape plans in a garden center.

This year's activities included practical experience in maintaining the Horticulture Gardens on campus as well as field trips to nearby nurseries and the Lansing weather station. February 11 was the day for a trip to Grand Rapids and the Michigan Association of Nurserymen's annual convention. The class had an exhibit which initiated the Grand and Glorious order of the "Green Thumb". This is a group of nurserymen that have supported scholarships of Nursery and Landscape students. They were guests of the association and enjoyed meeting former students and nurserymen. They also had the opportunity to talk to nurserymen about their placement training opportunities. Mr. Eugene Woodruff received the Outstanding Student Award presented annually by the M.A.N. at the annual convention.

Roy A. Mecklenburg





COMMERCIAL FLORICULTURE STUDENTS

Front row, left to right: Phyllis Genter, Glenda Lamoreaux, Julia Ganzer, Linda Bloye, Janice Cutler, Beth Kenreigh, Mary Ann Haubenstricker. Second row: Charles Roeschlaub, Dave Rayment, Michael Mattern, Randolph Jones, Ronald Brahmer, John Beier, Dean Hurd, Kenneth Smith. Third row: James Dionne, John Mattern, John Vandersalm, Randy Mulbarger, William Mason, David James, Harry Keppeler, Coordinator.

#### COMMERCIAL FLORICULTURE

The advent of the 1964-65 school year saw "newness" at its best in the Commercial Floriculture program. It is always a pleasure to welcome new students to the campus, and especially this year when we are introducing a revised and revitalized program of course work. This year we are using a program of courses offered outside our own department; and although it added only two new courses, it completed the offerings in the business area. The demand for retail courses has increased, and two special topics courses in floriculture retailing were added to the curriculum.

This revitalized curriculum would have been more difficult to achieve without the aid of a grant from Florists Telegraph Delivery Association, the largest of the "Flower-by-Wire" organizations. The grant has made possible the use of

non-university associated consultants, an increase in use of flowers and florist supplies, and a broadening of the general area in which students take their placement training. We are much appreciative of this indication of interest by the industry in education.

Finally, we should comment on our current class of students. Their origin covers a large geographical area, including the states of Michigan, Illinois, Ohio, New York, Pennsylvania, Indiana, and the Dominion of Canada. This fact indicates that our program is well known over a large area, and that we have an unusually diverse group of students with which to work. Life here at the University should be interesting for the instructors during the remainder of the academic year, and we look forward to our association with these students during the coming years in the floriculture industry.

Harry Keppeler





FARM EQUIPMENT SERVICE AND SALES STUDENTS

Front row, left to right: James June, Franklin Sherman, Louis Fancon, Robert Schroeder, Terry Schall, David Lathrop, Bennie Luptowski, Dale Cosner. Second row: Thomas Kendle, Benjamin Kinyon, Jerry Patch, Laverne Alferink, Kenneth Leese, William Johnston, Henry Hood, Lewis Pavlik, John Petru. Third row: Kenneth Reinert, Robert Lyon, Richard Lau, Norman Dietering, Dwight Forshee, Leroy Townsend, Allen Seedorff, William Rogers, Richard Bittner, coordinator. Missing: William Rader.

#### FARM EQUIPMENT SERVICE AND SALES

Students enrolled in the Farm Equipment Service and Sales program found little idle time in their schedules this year. On top of a busy schedule of class and laboratory work ranging from weed seed identification to diesel engine repair, students toured the Ford Tractor Plant in Detroit, attended student club meetings, prepared exhibits and displays, sold box lunches at Farmers' Week, attended the Michigan Farm Equipment Association's Annual Convention; and, of course, played their usual games of basketball and football. Student club meetings were varied and interesting this year. Programs ranged from police dog training and space travel to panel discussions given by farm equipment dealers and viewing slides of European farm equipment.

The students' motto "Geared to the

Task" describes very well the reason why students participated so widely in activities this year. To meet the need for trained personnel in the farm equipment industry, men graduating from the program not only need the technical training given in the program, but also the ability to work and play cooperatively together.

R. M. Bittner

#### Farm Equipment Service and Sales Scholarships

The farm machinery industry has also provided some scholarships for students majoring in this program. Application should be made with the Coordinator of the Farm Equipment Service and Sales Program, Agricultural Engineering Department, Michigan State University.



## SCHOLARSHIPS

There are two major scholarship programs available to the General Agriculture Short Course students. They are the Michigan Bankers and the Caulkins Foundation scholarship programs.

### Michigan Bankers Scholarships

Through the leadership of the Michigan Bankers Association and the active support of many of the local bankers in Michigan, over 1600 young men have been awarded a Bank Scholarship since the program started in 1949.

Most of these scholarships are awarded to students attending the first term of Short Course. The decision to participate and award scholarship money is made by the local bank.

Usually the scholarship amounts to \$100. In a few cases individual banks have encouraged continued attendance in Short Course by awarding part of the money for the first term and the balance in the second term.

Application blanks are available from vocational agricultural teachers, high school counselors, county extension offices, local banks or the Short Course Department.

### Caulkins Foundation Scholarships

Since 1949, the Caulkins Foundation of Detroit has provided funds annually. All candidates for the scholarships must have definite plans for getting started in farming. Thirty-three scholarships are available each year. Applicants for the third term General Agriculture course are eligible to apply. The scholarships amount to \$75.00. Those students maintaining a satisfactory record will also receive this scholarship for the fourth term of study.

### Other Scholarships

Occasionally, a local business, Kiwanis Club or other organization, has awarded a scholarship. Information about these is obtained from local teachers or county extension personnel.



OUTSTANDING STUDENTS

From left to right: Kenneth Bohn, General Agriculture; Eugene Woodruff, Nursery and Landscape; Paul Darby Graves, Elevator and Farm Supply; John Petru, Farm Equipment Service and Sales. Missing: Tommy Reynolds, Commercial Floriculture.

## AGRICULTURAL EDUCATION

The Agricultural Education Club sponsored jointly by the College of Education and the College of Agriculture is often noted as one of the most active clubs associated with the College of Agriculture. The members are primarily those who are majoring in Agricultural Education, but anyone interested may join. At the present time there are about 40 active members.

Our Club sponsors a number of projects or activities. Among these are the Agricultural Education Club Student Exchange with other universities; Agricultural skilldays so that members can acquire such skills as castration, forest management, etc.; Annual Awards Banquet; Trip for selected members to the National Student Teachers Conference at Kansas City; Visiting high schools to help judge regional FFA Contests; Offering photographic services at the State FFA Convention; and publishing an Agricultural Education Newsletter. Our officers are elected at the end of winter quarter. Early in the spring quarter all new officers spend a weekend together in camp at the Yankee Springs Recreation Area to get to know each other and to plan the program for the coming year.

Mr. Thompson of the College of Education and Dr. B. Good of the College of Agriculture are the sponsors this year.



#### FOUR YEAR DEGREE PROGRAMS

The curricula of the College of Agriculture are designed to prepare the student for a career in the broad fields of agriculture and conservation. The courses provide a fundamental understanding of the basic physical, biological, and social sciences; agricultural and conservation principles; and the technical knowledge required for specialization in some phase of these two broad areas. A student who decides to further his education after being in the Short Course Program may transfer his credits to the four-year program. One credit for each week satisfactorily completed will be transferred to the four-year program. The knowledge and experience gained in Short Courses and the credits gained can help a student go on to college. Dr. R. Swenson

#### AG COUNCIL

The Agriculture Council was founded originally to promote coordination and cooperation between the agricultural organizations on campus, to bring about a spirit of friendship among students interested in agriculture, and to develop desirable relationships between faculty and students.

The Council is made up of elected representatives from all agricultural clubs, now numbering eighteen.

The Agriculture Council sponsors the Harvest Ball, a formal, all-university dance, Farmers' Week booths, featuring Michigan Agricultural Products, the Ag Honors Program, where deserving students from the various departments and clubs receive recognition for scholarship and club activities, and the Spring Swing.

The Council also sponsors teams in the intramural program to give the clubs a chance to compete against each other in organized sports, such as basketball and softball. The winning team of the softball tournament meets the faculty in a most exciting game at the end of the term.

Carl Eady

#### EIGHT-WEEK HORTICULTURE COURSE

Each winter term there is an eight-week horticulture course for those specializing in fruit or vegetable production. The courses alternate from year to year. This year about thirteen students were enrolled in the vegetable production course.

We had lectures from different instructors within the horticulture department covering such topics as irrigation, weed control, fertilizers, marketing, insect and disease control, and others. We toured the M.S.U. Horticulture Farm and the Plant Science Greenhouse to observe current research.

I feel that the vegetable production short course is worthwhile and will pay for itself many times over for one going into the vegetable production business.

Kenneth Mahar

#### DHIA

The Dairy Herd Improvement Association Supervisors Training Course is conducted by the Dairy Department at Michigan State University. The one-week training courses are held three or four times a year. They offer a stepping stone into Michigan's dairy industry.

The opportunities in DHIA are excellent. At the present time 89 local associations in 73 counties employ approximately 130 supervisors. Only about 23% of all the cows in the state are on test. This means there are approximately 500,000 cows in Michigan not yet being tested. Expansion possibilities are limited only by the supervisor.

With electronic computing machines to do much of the pencil pushing, the ambitious supervisor can easily handle 20-25 DHIA herds and as high as 60 or 70 owner sampler herds each month. A tester usually receives about \$13 to \$15 for the average size DHIA herd and \$7.50 to \$8 for the average size owner sampler herd.

For further information, contact Paul A. Wilkes, Dairy Department, 125B Anthony Hall, Michigan State University.



GENERAL AGRICULTURE AND  
AGRICULTURAL INDUSTRY STUDENTS  
1964-1965

**ALLEGAN**

Quinton Gowens, Allegan  
Clifford Lee, Allegan  
Gene VanRhee, Ottawa

**ALPENA**

Michael Williams, Lachine

**ARENAC**

Philip Osier, Standish  
Michael Schwab, Standish  
Ned Tullock, Omer

**BARRY**

Larry Enz, Woodland  
James Gillespie, Hastings  
Robert Hope, Hickory Corners  
James Miller, Nashville  
Frederick Currier, Caledonia

**BAY**

Thomas Merritt, Bay City  
Michael Yascolt, Pinconning

**BENZIE**

Ronald Mick, Frankfort

**BERRIEN**

Bruce Baron, Stevensville  
Kenneth Bohn, Galien  
Daniel Cronin, Buchanan  
Thomas Feather, Berrien Springs  
Walt Genda, Buchanan  
Jan Goins, Eau Claire  
Richard Koenigshof, Coloma  
Craig Newberry, Benton Harbor  
John Willmeng, Watervliet  
Robert Yaw, Niles

**BRANCH**

Douglas Bidwell, Bronson  
Robert Cline, Sherwood  
Loyd Green, Jr., Coldwater  
Jerry Patch, Coldwater  
Robert Schroeder, Sherwood  
Edward Stanton, Sherwood  
Laverne McDonald, Quincy

**CALHOUN**

Allan Albrecht, Battle Creek  
Daniel Carty, Homer  
Paul Elyea, Marshall  
Nelson Francisco, Ceresco  
Jacque Helwig, Fulton  
Allen Sedorff, Marshall

**CASS**

Terry Breece, Vandalia  
Ray Brown, Cassopolis  
Thomas Kendle, Edwardsburg  
John Spivey, Dowagiac  
Michael Wells, Dowagiac  
Ernest Richardson, Dowagiac  
John Rutherford, Decatur

**CHARLEVOIX**

Louis Dunson, East Jordan

**CLARE**

Louie Fancon, Clare

**CLINTON**

William Bingham, St. Johns  
Richard Mead, Ovid  
Alan Miller, Ovid  
Stanley Pewoski, St. Johns  
Chris Pope, St. Johns  
Thomas Semans, Ovid  
Eugene Woodruff, Ovid

**EATON**

Theodore Buehler, Grand Ledge  
Gerald Deer, Grand Ledge  
Carl Harms, Vermontville  
Ted Harms, Vermontville  
Benjamin Kinyon, Eaton Rapids  
Dennis Orr, Charlotte  
Roy Sebastian, Charlotte  
Ronald Shoal, Grand Ledge  
Barbara Willis, Dimondale  
Lynn Halsey, Charlotte

**GENESEE**

George Bush, Swartz Creek  
William Johnston, Davison  
David Lathrop, Fenton  
Kenneth Mahar, Byron  
John Petru, Chesaning  
Robert Rhoades, Grand Blanc  
Richard Samson, Flint  
Wayne Saupe, Flint  
Ronald Wolfen, Gaines  
Leon Wykes, Gaines

**GRAND TRAVERSE**

William Rennie, Williamsburg  
Jon Sleder, Traverse City

**GRATIOT**

Jack Briggs, Breckenridge  
Michael Conn, Riverdale  
Gary Fidler, Ithaca  
Elton Henderson, Ithaca  
Larry Misenhelder, Ithaca  
Thomas Oswald, St. Louis  
Roger Petro, St. Louis  
Terry Schall, Breckenridge  
Gary Shaw, Ithaca  
Thomas Whiting, Breckenridge

**HILLSDALE**

Charles Bollen, North Adams  
Kennis Friess, Hillsdale  
Richard Herman, Jonesville

**HOUGHTON**

Larson, Donald, Chassell

**HURON**

Joseph Baranski, Port Austin  
Ralph Binder, Bad Axe  
John Booms, Harbor Beach  
Ronald Brahmmer, Ubley  
Donald Fisher, Caseville  
Ronald Hyzer, Port Austin

**HURON (Con't.)**

Kenneth Leese, Port Hope  
Robert Oeschger, Bay Port  
David Sting, Sebewaing  
Gerald Tietz, Sebewaing  
Charles Vaughn, Leslie

**INGHAM**

Paul Bauer, Dansville  
Gordon Fisher, Holt  
Mahlon Covert, Leslie  
Robert Cozik, Williamston  
John Dietz, Williamston  
Glenn Graf, Stockbridge  
Linda Grainger, Lansing  
Charles Grettenberger, Okemos  
Victor Lootens, Williamston  
Patricia Rae, Onondaga  
David Rayment, Utica  
Robert Richter, Lansing  
Theodore Russell, Williamston  
Joseph Smith, Lansing  
Douglas Twiss, Lansing  
Russell Scott, Williamston  
Janice Thompson, Lansing  
Leroy Townsend, Mason  
Gordon Tuthill, Webberville  
Douglas Twiss, Lansing

**IONIA**

James Beimers, Portland  
Dallas Beland, Lake Odessa  
Eddie Eldridge, Lake Odessa  
Gerald Hopkins, Belding  
Joseph Pung, Portland  
Hugh Roberts, Hubbardston  
Douglas Rogers, Portland  
Jon Selleck, Orleans  
Charles Wolthuis, Ionia  
Robert Mitchell, Hubbardston

**ISABELLA**

James Graham, Mt. Pleasant  
John Green, Winn  
Kenneth Vogel, Weidman  
Tom Wieferich, Mt. Pleasant

**JACKSON**

Dean Hurd, Jackson  
Patrick O'Rourke, Brooklyn  
Karl Schmidt, Springport

**KALAMAZOO**

Glen Collison, Richland  
James June, Kalamazoo  
Maurice Kaercher, Kalamazoo  
John Lynn, Schoolcraft  
John VanderSalm, Richland  
Roger Wedel, Kalamazoo

**KENT**

Kenneth Cooper, Rockford  
Gordon Harrison, Kent City  
Michael Bowman, Alto  
Harry DeHaan, Grand Rapids  
Ray Dreyer, Kent City  
Seymour Gould, Byron Center



**KENT (Con't.)**

Robert Johnson, Cedar Springs  
 Clarence Kwant, Grand Rapids  
 James Welmerink, Comstock Park  
 Jack White, Comstock Park  
 William Thaler, Caledonia

**LAPEER**

Ronald Chisa, Almont  
 Gerald Duckert, Almont  
 Brian Glover, Almont  
 Charles Herpolsheimer, Dryden

**LENAAWEE**

Roger Bortel, Britton  
 Gary Brittain, Adrian  
 Verle Carpenter, Morenci  
 Dave Darish, Blissfield  
 Larrie Eaton, Tecumseh  
 Galen Engel, Adrian  
 Terry Johnston, Tipton  
 Gaylord Kutzley, Morenci  
 Russell Lutton, Britton  
 Douglas Mattis, Adrian  
 Milton Naugle, Tecumseh  
 Harold Roesch, Adrian  
 Richard Service, Clinton  
 David Stutzman, Seneca  
 Howard Tew, Hudson  
 Raymond Thompson, Adrian  
 Daniel VanValkenburg, Tecumseh  
 Fred Walters, Blissfield

**LIVINGSTON**

Harold Anderson, Fowlerville  
 William Armstrong Milford  
 Donald Butler, Fowlerville  
 Ronald Kardos, Fenton  
 James Wylie, Pinckney

**MACOMB**

William VanDaele, Armada

**MANISTEE**

Lawrence Richmond, Bear Lake

**MASON**

Janice Cutler, Ludington  
 Phyllis Genter, Ludington  
 Harold Hansen, Ludington  
 Daniel Shoup, Custer

**MECOSTA**

Steven Andres, Big Rapids  
 Mark Baumann, Mecosta  
 Melvin Bigelow, Morley  
 Martin Strang, Big Rapids

**MENOMINEE**

Chris Reichardt, Wallace

**MIDLAND**

Michael Barbour, Midland  
 Thomas Bartlett, Midland  
 Thomas Hanson, Midland  
 Richard Hoogerhyde, Midland  
 Edward Hutchison, Midland  
 Lewis Pavlik, Wheeler

**MONROE**

David Dickerson, Blissfield  
 Randall Jones, Carleton

**MONROE (Con't.)**

Ronald Metz, Ida  
 Nicholas Stotz, Ida  
 Barry Talladay, Milan  
 Ivan Yoas, Newport

**MONTCALM**

Leonard Goodell, Stanton  
 Otto Hey, Stanton  
 Glenda Lamoreaux, Edmore  
 Charles Strautz, Stanton  
 Martin Thomsen, Stanton  
 Marshal Wilson, Sheridan

**MUSKEGON**

Paul Baerman, Montague  
 Thomas Golden, Muskegon Heights  
 Ronald Hecksel, Muskegon  
 Terry Mikkelsen, Montague  
 Jean Williamson, Muskegon  
 Robert Johnson, Muskegon

**NEWAYGO**

Carl Eady, Grant  
 Gordon Kingsford, Fremont  
 James Mast, Fremont  
 Gary Smith, Fremont  
 Keith VanSingel, Grant

**OAKLAND**

Gerald Ayer, Union Lake  
 James Brown, Oxford  
 William Erwin, South Lyon  
 Robert Lyszak, Huntington Woods  
 Howard Mitchell, Holly  
 David Steinkopf, Farmington  
 Miguel Fernandez, Waterford

**OCEANA**

Jerry Brandel, Hart

**OGEMAW**

Larry Scott, West Branch  
 Roger Wangler, West Branch

**OSCEOLA**

George Parsons, Evart

**OSCODA**

Richard Buchner, Mikado

**OTSEGO**

Ralph Holewinski, Gaylord

**OTTAWA**

Laverne Alferink, Zeeland  
 James Franks, Jr., Grand Haven  
 Herbert Krumpeck, Grand Haven  
 Robert Millar, Holland  
 Larry Petroelje, Zeeland  
 William Rosel, Conklin  
 Melvin Timmer, West Olive

**PRESQUE ISLE**

Robert Lyon, Onaway  
 John Moore, Willis  
 Delphine Pilarski, Rogers City

**ROSCOMMON**

Judith Cornell, Ann Arbor

**SAGINAW**

Michael Block, Birch Run

**SAGINAW (Con't.)**

Larry Brabant, St. Charles  
 Richard Brugge, Freeland  
 Gary Chase, Henderson  
 Norman Deitering, Chesaning  
 Francis Fleming, Merrill  
 Henry Fuoss, Oakley  
 Jerry Goschka, St. Charles  
 Mary Ann Haubenstricker, Birch Run  
 Alvin Johnson, Saginaw  
 Nick Locanto, Brant  
 John McNalley, Saginaw  
 Stephen Seamon, Saginaw

**ST. CLAIR**

William Essenburg, Capac  
 Daniel Michelson, Marine City  
 Paul Pawlosky, St. Clair  
 Harry Roehl, Smith Creek  
 Warren Senger, Marine City  
 Patrick Spencer, Almont  
 Frederick Tomalo, Marysville

**ST. JOSEPH**

Michael Bordner, Sturgis

**SANILAC**

Ray Graham, Brown City  
 Robert Gusta, Brown City  
 Tom Stamp, Marlette  
 Dean Wagester, Brown City  
 Patrick Light, Sandusky

**SCHOOLCRAFT**

Richard Brown, Schoolcraft

**SHIAWASSEE**

Edward Bird, Byron  
 Ralph Chrisinske, Byron  
 Gerald Hulbert, Morrice  
 Gary Oshust, Owosso  
 Ken Putnam, Ovid  
 Harry Russell, Byron  
 Forrest Tefft, Byron  
 Neil White, Owosso

**TUSCOLA**

William Baranic, Vassar  
 Robert Becker, Unionville  
 Dwight Forshee, Akron  
 Walter Hecht, Jr., Vassar  
 Duane Hickey, Fairgrove  
 Jeffrey Monte, Fairgrove  
 David Parrott, Cass City  
 Kenneth Reinert, Millington  
 Donald Smale, Caro  
 Barry Sting, Unionville  
 Larry Zwerck, Vassar  
 Larry Ill, Millington  
 Steven Karpovich, Cass City

**VAN BUREN**

Earl Bass, Paw Paw  
 James Chase, Paw Paw  
 Arthur Kreutzman, Hartford  
 Joseph Scherer, Hartford  
 John Scherer, Hartford  
 James Scherer, Hartford

**WASHTENAW**

Archie Bradbury, Dexter  
 Knowlton Brown, Jr., Clinton



**WASHTENAW**

Dale Cosner, Milan  
 Gene Girbach, Saline  
 John Hillegonds, Ann Arbor  
 Henry Hood, Ypsilanti  
 Donald Joslyn, Ypsilanti  
 Edward Keezer, Chelsea  
 Robert Kleinschmidt, Ann Arbor  
 Richard Lau, Ann Arbor  
 Victor Mann, Manchester  
 William Rogers, Saline  
 Ronald Heath, Milan  
 James Schiller, Chelsea

**WAYNE**

Linda Bloye, Detroit  
 Edward Eaton, Southfield  
 James Hay, Detroit  
 Harold Heath, Ypsilanti  
 Thomas Kneisel, Grosse Pointe  
 Bennie Luptowski, Linwood  
 Hubert Moloney, Detroit  
 Douglas Richardson, Romulus  
 Donna Richardson, Northville  
 Larry Thomas, Livonia  
 James Wallace, Detroit

**WEXFORD**

John Donahue, Buckley  
 Maurice Low, Mesick

**ILLINOIS**

John Beier, Mt. Prospect  
 Thomas Fuchs, Plano  
 Thomas Kress, Dundee  
 John Kucharski, Chicago  
 Jerome Laz, Chicago  
 John McClenathan, Dolton  
 Joseph Miller, Des Plaines  
 Richard Murphy, Mt. Prospect  
 William Nacke, Arcola  
 Robert O'Malley, Jr., Farmer City  
 Harry VanSlyke, Downer Grove

**INDIANA**

James Adams, Schererville  
 Freddy Burger, Howe  
 Tim Crutchfield, Monticello  
 Charles Esterline, New Augusta  
 Julia Ganser, Mishawaka  
 Jerome Herron, Farmland  
 Alan Moudy, Covington  
 Franklin Sherman, Howe

**IOWA**

Paul Graves, Gruver

**MINNESOTA**

Alfredo Koechlin, Newport

**MISSOURI**

Ferren Sims, Hannibal

**NEW HAMPSHIRE**

Peter Hopkins, Greenfield

**NEW YORK**

Laverne Lamkin, Corfu  
 Charles Roeschlaub, Syracuse  
 Neal Shippy, Youngstown

**OHIO**

Earl Burik, Strongsville  
 Terrence Flannery, Independence  
 Lawrence Flint, Youngstown  
 Douglas Friedhoff, Cincinnati  
 David Games, Girard  
 Paul Grubel, Carey  
 Beth Kenreigh, Canfield  
 Thomas Kistner, Holland  
 Lawrence Koch, Westlake  
 Bert Locke, Oberlin  
 James Manbeck, New Knoxville  
 William Mason, Akron  
 Charles Miller, Sandusky  
 Randall Mulbarger, Gahanna  
 Kenneth Pipes, South Euclid  
 Tommy Reynolds, Findlay  
 John Vershum, Metamora  
 Thomas Walsh, Fairview Park

**PENNSYLVANIA**

Michael Mattern, Forty Fort  
 John Mattern, Forty Fort  
 John Rife, Chambersburg

**VERMONT**

William Rader, Shoreham

**VIRGINIA**

Charles Wall, Cambria

**WISCONSIN**

James Dionne, Algoma

**CANADA**

Douglas Bertling, London, Ontario  
 Serge Hennaire, Drummondville, Quebec  
 Kenneth Smith, Beamsville, Ontario

**JAMAICA**

Dermot Meany, Grange Hill

**NIGERIA**

Isaiah Ajayi, Ibadan  
 Edem Ibanga, Uyo  
 Isaac Okoye, Agidi  
 James Oyediji, Ibadan  
 Francis Ugha, Enugu

**NYASALAND**

B. A. Changantuwa, Malawi  
 Godwin Chemboga, Malawi  
 Alexander Ntungama, Malawi  
 Benson Phiri, Malawi

**SOUTH AMERICA**

Moises Amaya, Colombia  
 Jaime Espinel, Colombia  
 Cesar Gutierrez, Colombia  
 German Jaramillo, Colombia  
 Carlos Rivera, Colombia

**AN OPPORTUNITY**

These technical training programs offer opportunities to prepare for interesting, challenging careers. Many industrious and capable graduates have found these programs to be a wise investment. Their training has made rapid advancement possible.

**SHORT COURSE ENROLLMENTS**

	<u>Fall</u>	<u>Winter</u>
<u>General Agriculture</u>		
First Term	113	
Second Term		124
Third Term	81	
Fourth Term		82
Commercial Vegetable (Dup.)	15	15
Total	194	206
<u>Agricultural Industry</u>		
<u>Commercial Floriculture</u>		
First Year	30	29
Second Year	14	13
Total	44	42
<u>Elevator and Farm Supply</u>		
First Year	29	24
Second Year	18	17
Total	47	41
<u>Farm Equipment Service and Sales</u>		
First Year	23	17
Second Year	10	10
Total	33	27
<u>Nursery and Landscape Management</u>		
First Year	34	25
Second Year	19	17
Total	53	42

**Total Enrolled**

General Agriculture	194	206
Agricultural Industry	177	152

**NEED FOR TRAINING**

Because of the demand for graduates and the shortage of skilled workers in these businesses, each industry has cooperated in offering this training.

Post high school training is a necessity for the aspiring young man entering farming today. Opportunities are increasing for skilled farm assistants to work with owners and farm managers.

**ENTRANCE REQUIREMENTS**

Applicants for Short Courses must be high school graduates with a recommendation from their high school principal, or have had two years of work experience in their chosen industry and be recommended by their employer.

*For Further Information* write to:

Short Course Department  
 Michigan State University  
 East Lansing, Michigan





Armstrong Dining ~~Room~~ Room



Judging team, fancy, medium, choice, etc.



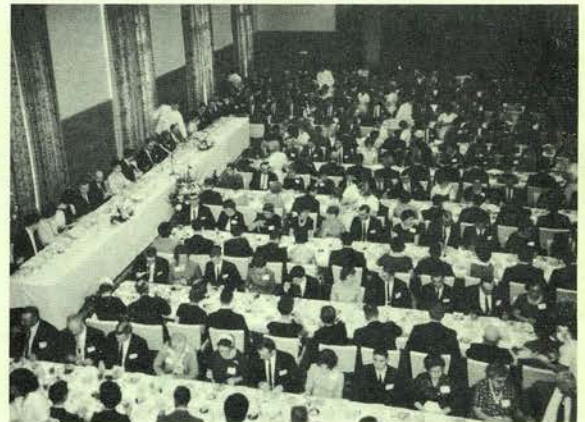
Mrs. Pat Rae, student, mother, & farmerette



Hi Ho! Hi Ho! It's off to class we go!



1964 FFA Beef Judging Contest



1964 Graduation Banquet



"Oh, get a couple of guys to sing carols."



Zeebs and Frahms, distinguished alums