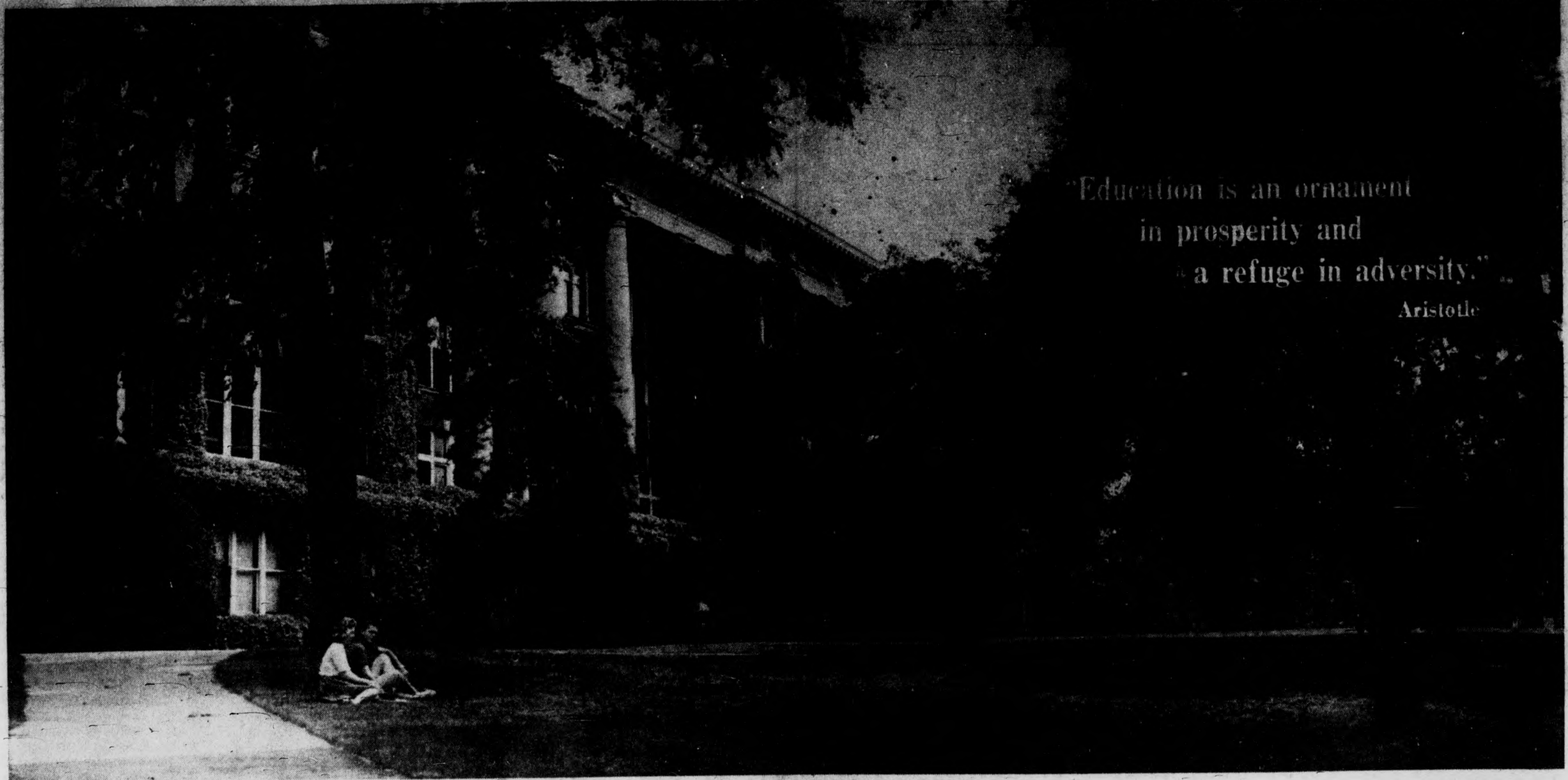


M. F.



Education is an ornament
in prosperity and
a refuge in adversity.
Aristotle

WELCOME
WEEK
EDITION

Michigan State News

Serving MSU for 52 years

SECTION A
WHAT IS
A UNIVERSITY?

Established 1909 Vol. 53, No. 67 Monday, September 25, 1961

In 20th Century MSU Creates Varied Image

NORMA RUTKOSKEY
State News Staff Writer

This morning a shiny yellow school bus stopped at Janie's door and took her to the school five miles away. She wore a new red dress, all crisp from Sta-Flo spray starch; and she felt good after a breakfast of fresh fruit and cereal.

Last week Janie's mother was working with the Homemakers of America and last winter Janie visited Michigan State University with her family when her father attended Farmers' Week on the campus.

Janie's mother and father had taken advantage of just two of the many services offered by the University to adults through extension, continuing education, research, and evaluation.

THESE SERVICES have evolved from the basic philosophy of the University put down by the founders. This philosophy says that the teaching of knowledge should not be restricted to any one group or class, but should be made freely available to all who can make good use of it.

Today Michigan State has established for itself a definite position in our twentieth century society.

As the society became industrialized, the university in keeping with its basic philosophy, found that there were demands in "extension" services in fields other than agriculture. In 1948 Continuing Education Service became part of the University's public service program.

In 1900 a new road was opened in the service field. The discovery that the farmers needed help during the growing season gave rise to the Michigan Experimental Association, formed officially in 1911. This service provided help to the farmers year round, whenever they needed it.

In 1955, the Cooperative Extension Service had grown to a size that permitted its operation in 83 counties with adults attending the sessions equal to the population of Michigan.

In 1951, the completion of Kellogg Center, a \$2,500,000 building, gave new emphasis to the program. Two major areas are covered by the program: Off-campus education and short courses and non-credit campus programs.

THE CONTINUING Education Center housed in the hotel-type Kellogg Center acts as a mediator between need and knowledge on campus. More

than 150,000 adults come to the campus yearly to receive practical instruction in everything from truck driving and police work to bee-keeping and international affairs.

Three special programs work out of the Director's Office: Speakers Bureau, the Cap and Gown Series offering Michigan communities the opportunity to obtain cultural entertainment programs, and the Educational Telecourses Program which coordinates and produces credit and non-credit courses through television.

Many other services make up the University and state community. The Center for the Study of Higher Education studies problems confronting colleges and universities.

The Engineering Research Division conducts studies on fundamental engineering problems. Information Services disseminates information of educational and public services.

See MSU CREATES, Page 8



MSU Shares in 4-H Week

Shown here is a prize-winning sheep exhibited during 4-H Week. This event is one of the programs sponsored by MSU to serve the people of Michigan.

What Is A University?

Michigan State's story is a story of people who make the university community. Unique in its setting, purpose and goals, our community is set apart from the mundane. Its life is one which pays immeasurable dividends.

Fall term, 1961. Soon thousands of people from the community, state, and nation will be filing like ants to Spartan stadium to see Big Ten football in action.

Some people have a most limited image of Michigan State as a university. It is the place where they go to watch football, the university which their son or daughter attends, or their own alma mater.

Thousands of freshmen are wandering around the campus apprehensively. Upperclassmen are returning to renew old acquaintances and prepare for another year at the University.

Amid the confusion perhaps we should sit back and reflect upon the question, "What Is A University?"

MSU was founded upon the philosophy of dedication to the service of all the people, serving them through teaching, research and extension.

Universities are founded upon the philosophy that all men should use their minds as well as their strength in their daily tasks.

They believe that all men should be given the opportunity to develop their native intelligence and to help them break down barriers of ignorance and prejudice.

Justin Morrill, father of the land-grant college movement, sensed America's peculiar need for a new kind of education.

HE SAW clearly that our national goals could be attained only if educational opportunity were widespread and general.

Today Michigan State, like every other university, is crowded.

It has become necessary for the university to increase the quality of its educational offerings, cut out what frills exist, and insure that research is meaningful.

THE TEACHING process itself must become more efficient and facilities must be utilized more effectively.

Michigan State is now operating on a year-around basis so students in all curricula can

complete the four-year undergraduate program in less than three years.

Students are being asked to assume more of the learning burden so that their time may be better employed.

THE UNIVERSITY must lift the sights of its students and prepare them for world citizenship while at the same time extending a helping hand to developing nations around the world.

A good university has a serious purpose. The faculty knows what it's trying to accomplish and the students want an education.

Students must possess not only sound scholarship but personal character as well. Intellectual brilliance must be accompanied by integrity.

IF A STUDENT is to be stimulated to learn, he must be an active participant and in close touch with men of scholarly interests.

This is the essence of education at the university.

A true academic community must include informality, ease of communication, and individuality.

THE STUDENTS and the faculty must not become statistics or IBM cards in a file.

Universities must strive not to be alike but to be distinctive.

Each university across the nation should be constantly seeking new ideas and teaching methods. It must never be satisfied with itself but should constantly be searching for new concepts of education.

HERE AT STATE, the Honors College is one of the many products of such research for new ideas.

The university is more than merely eight colleges, 22,500 students, some 1,800 faculty members, a football team, or a beautiful campus.

AS ARISTOTLE once said, "The roots of education are bitter, but the fruit is sweet."

"Education is an ornament in prosperity and a refuge in adversity."

Prof Writes MSU's History

Dr. Madison Kuhn, Michigan State University historian and professor of history wrote the complete hundred-year story of the University in the book, "Michigan State, the First Hundred Years."

Published the year of MSU's centennial, the book contains a thorough account of the University since the time of its founding in 1855.

KUHN HAS BEEN associated with the University for 24 years. He came to the University in 1937 as an instructor of history after teaching school in New Mexico from 1931-1932.

In 1940 he received his Ph.D. in history from Michigan State, his A.M. in 1934 from Chicago University and his A.B. from Park College in 1931.

HE HAS BEEN associated with the American Historical Association, and the Mississippi Valley Historical Association.

Kuhn's book, "Michigan State, the First Hundred Years," was used as the main source for this story. Historical facts and names may be traced in his history.

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Freshmen To Begin Looking At Sparty . . .

College is many things. Look at it as a "Sparty" statue, a football game, or a Christmas formal. Or look at it as classes, lectures, and final exams.

TO THE BUSY FRESHMAN falls the task of separating from its vast resources its greatest values and retaining something of its finest offerings.

It's a difficult job. There can never be enough time to do and see everything. And there's always too much temptation to try.

New students are criticized for spending too many hours over the books or too many hours in the Union grill. Those who withdraw from social activities are seldom as handicapped as those who withdraw from educational experiences.

MEETING a happy medium is no easy task.

Ask the sophomore, junior or senior who found himself in too many activities too late. Ambition knows no class level.

Pitfalls for upperclassmen are as numerous as for freshmen.

Every activity on campus needs new people. But try more than one and you're asking for trouble. Each demands as much effort as necessary to make it a success.

The Freshman's decision of what will be most important to him can decide the success or failure of his college career.

HABITS FORMED in the first year are difficult to break.

No one can tell anyone else what it's like to go to college. Freshmen will find out that nothing they ever heard about this or any other university accurately described it.

And yet, they will find it hard to tell anyone else what they found here.

Sparty can mean many things to many people.

But to those who heed his courageous approach to hardship and search for victory will go the best this institution has to offer.



Six Trustees Decide All University Policy

TOM DE WITT
State News Staff Writer

The official governing body of the university is the Board of Trustees. To the six elected members falls the task of deciding university policy, appointing the university president, secretary and treasurer.

The Board members serve six-year terms, with two members elected biennially from the state at large.

This year two new members were elected to fill the vacancies left by Honorable Connor D. Smith and Hon. C. Allen Harlan when their terms expire Dec. 31. Smith is the present chairman of the board having been appointed by them.

THE REMAINING members

are: Hon. Don Stevens of Okemos; Hon. Jan B. Vanderploeg of Muskegon; Hon. Warren M. Huff of Plymouth and Hon. Frank Merriman of Decker-ville.

Hon. Lynn M. Bartlett, State superintendent of public instruction is a member ex-officio as is MSU president John Hannah, the presiding officer.

Secretary to the Board is James W. Miller and Phillip J. May is the treasurer.

SIX OTHER men aid President Hannah and the Board in running MSU. They are: Vice-President Milton Meulder, in charge of Research Development and Dean of the School for Advanced Graduate Studies; Gordon A. Sabine, vice-president in charge of special projects; Paul A. Miller, Provost; James H. Denison, director of university public relations and assistant to the president; Jac-weir Breslin, assistant to the president; and John Fuzak, dean of students.

The Academic Senate and the Academic Council aid the Board in exercising their powers of government being composed of the faculties of the various colleges.

The Senate consists of all professors, associate professors and assistant professors with tenure.

FIVE ELECTED Senate members, two elected representatives from each college and the administrative heads of the academic divisions of the university constitute the Council.

'Morrill Hall', 'Cowles House'

What Stories Hide In Building Names?

NORMA RUTKOSKEY
State News Staff Writer

Part 1 of a Series

Today, Michigan State University is a city in itself with the convenience of facilities, and the problems of a growing population.

BUT IT IS MORE than a city, it is a source for educational endeavor, for the best cultural activities, and for the enrichment of a student's life.

In the early 1850's, the white man invaded the Indian's camping grounds and began to erect some wooden structures. This was the beginning of Michigan State University, and the Indians left the land to the white men.

History of the University is imbedded in the buildings and the names behind them. They offer a source to the student to look back in time and to see how the University grew to the modern educational center of 1961.

WEST CIRCLE Drive and East Circle Drive have been considered as the heart of the campus. Though time has shifted and expanded the areas of student congregation, tradition names these circles as the pivot of campus life.

The first building of the Michigan Agricultural College was College Hall erected in 1857 for the teaching of scientific agriculture. In its place today is Beaumont Memorial Tower, given to the University by John W. Beaumont, class of '82 in memory of College Hall.

A clock and chimes in Beaumont Tower marks the spot where a new concept of education began over 100 years ago.

THIS NEW education began in the wilderness of swamps, virgin forest and marsh. Students cleared the land around College Hall; trees were topped to make them bushy. Some have survived around Beaumont, between it and the present Union.

The first boarding hall was opened in 1870 and became known as Saints' Rest. A stone beside the south walk of the Administration Building marks the site of the Dormitory that burned in 1876.

To replace the destroyed structure, Wells Hall and Williams Hall housed students. The original Wells Hall was replaced in 1906 and was named for Judge Hezekiah G. Wells of Kalamazoo, a friend and advo-

cate of the new college.

IN 1919 FIRE destroyed Williams Hall, named for Joseph R. Williams, the first president of the college.

Later a new Williams Hall was constructed named for Sarah Langdon Williams, wife of the first president. The dormitory housed women students and lent a woman's touch to college life in the midst of the clearing stumps, swamps and malaria infested marshes.

Williams had served as a nurse behind the front lines. After her husband's death she returned to Toledo and became editor of the Ballot Box.

BY 1869 THE college had three buildings, Saints' Rest and College Hall built in 1856 and Williams Hall built in 1869. Swamps that surrounded the buildings were drained into the ravine which is now the Botanic Garden.

Cultural sources were an important part of the early college life of Michigan State University. In 1881 the Library-Museum was built. Volumes numbering to 50,000 were kept on the first floor and basement shelves of the present Administration Building. The name plaque "Library-Museum" may be seen on what is now the rear entrance to the Administration Building.

The oldest structure on campus today is the Cowles House and International Center. The Alice B. Cowles House built in 1857 was the president's home and one of four faculty residences on Faculty Row. Named for the mother of Frederick C. Jenison whose grandfather was a student here in 1857, recalls the day when the University opened its doors for the first time.

IN HONOR OF Justin S. Morrill, Maine Congressman, Morrill was built to house women who attended lectures on home management, health citizenship, and farm economics during Farm Women's Week in 1926.

Justin S. Morrill authored the bill signed by President Lincoln in 1862 giving status and performance to the land-grant system in the nation.

Housing units for students have continued to grow through the years and the process has not stopped. Old and new dormitories are filled to capacity, experimental living has become the mode for this decade.

President's Welcome Newcomers Bring Vitality; Join in Knowledge Quest

This is the first opportunity afforded me to extend a cordial greeting to the students who will be coming to the campus in a few days to take their places as members of the Michigan State University community. I can assure you in advance that you will be heartily welcomed by other students and members of the faculty.

We will welcome you as associates with whom we have already formed the basis of friendship through the admission procedures, letters, and this Welcome Edition of the State News, as newcomers promising to bring new vitality to campus life, as scholars joining in the search for knowledge.

No doubt you are looking forward to coming to Michigan State with mingled excitement and apprehension, anxious to get started on your careers at this university. I sincerely believe your apprehensions will be dissipated quickly as you learn that this is a friendly place where you will find everyone ready to help you make adjustment to the Michigan State way of doing things. With a little effort of your own, you will quickly make friends among the other students and members of the faculty, and soon feel quite at home.

We know from your records that you are fully qualified to take your places here, and that you can succeed if you apply your energies and intelligence to the seeking of an education. We ask of you only that you take full advantage of the opportunities opened to you, that you abide by the rules under which this community lives, and that you contribute as best you can of your personal resources of intelligence, enthusiasm, and energy.

A University is an unusual organism in that it renews its strength and vitality each fall by taking to itself a number of new students roughly equivalent in numbers and potential to the students upon which it conferred degrees the previous spring. Thus each of you, as members of the incoming group of students, is essential to the continued existence of Michigan State. Keep that in mind if at first you are bewildered by the numbers of people with whom you come into contact, and your college goals appear at times to be far, far away. Be consoled by the thought that thousands of others have passed through the same experience—successfully, that Michigan State exists for no purpose other than to help you to reach your goals, and that the whole complex machinery is geared to make it possible for you to get the best possible education for yourselves.

I will hope to see all of you at the convocation on the evening of Wednesday, September 27. I look forward to getting to know you personally in the course of your years with us.

Again, the heartiest welcome, and good luck.



John A. Hannah

Here's Top Summer News You May Have Missed

Returning upperclassmen will notice several results around campus of this summer's news events.

The new phone system went into effect August 19. Individual phones in each dormitory room and individual numbers instead of extension numbers for each phone on campus are features of the new system.

Several new buildings have changed the campus landscape this summer. Bessey Hall will hold three of the university college courses in its 35 classrooms.

Construction has also begun on Eppley Center, the new college of business and public service building. The building is expected to be in use for classes this fall.

Case Hall, one of the new dormitories, is partially finished and is due to house 700 freshmen women this fall. The dorm is eventually expected to house men students and contain classrooms.

Wilson Hall, another dormitory behind Case, is expected to be finished by fall of 1962.

The new engineering building

is also to be finished next year and is located on Shaw Lane next to Anthony Hall.

Five dormitories this fall contain classrooms. The dorms include Brody, East Shaw, Abbot, East Yakeley, and West Landon.

Bus routes will be serving the Brody group, the new dorms on south campus, and married housing.

Closed circuit television is slated for operation this fall. Receiving rooms will be located in Giltner Hall, the Auditorium, Bessey Hall, Abbot Hall, the Education building, and the Women's IM building. Physical education will be the first classes to be televised.

Changes will also be noted in the football team. Jim Eaton, promising back from last year's squad, was supposed to be number 61 but was knocked out for the season by injuries suffered in an auto accident this summer.

A new dean of students was also appointed this summer to replace former Dean Tom King. The new dean is John Fuzak, formerly with the College of Education until his appointment July 1.

Married housing rent has also been hiked \$4 this fall. The increase has been made to handle increased maintenance and schooling costs. Dormitory rates have been raised due to the new phone service and increased costs.

A record number of 11,019 students were enrolled for summer school session this year. This was an increase of 1,621 over last year's enrollment.

It was also announced that enrollment for this year will be frozen at 22,560 students. This figure, the same as last year's, is in accordance with the university's policy because of the budget cut.

MSU hosted 136 skaters from the U.S. and Canada for the 12th annual summer skating school from June 24 to August 20.

Five plays were presented this summer for the first time by the University Theatre's Summer Circle. The five productions were given in the new arena in Demonstration Hall.

Crossword Puzzle

ACROSS

- Diagram
- Roman date
- Gives away
- Hawaiian position again
- abbr.
- Sandhill
- Of an era
- Horiz. cultist
- Mah-jongg counter
- Dine
- Attempted
- Scott
- Feminine name
- Gave out
- One who shows things as they are
- Kingly
- Frequently
- Uncom- promising

DOWN

- Jap. sach
- Plunder
- Recaptures
- Place n. position
- Siamese
- Congr
- Cylinder
- Electrified
- Entrance
- Thicken
- Talk wildly
- Accurate
- City in Iowa
- Prophet
- Simpleton
- Accurate
- City in Iowa
- Prophet
- Simpleton
- Drinking cup
- New Zealand vine

Solution of Saturday's Puzzle

1 By 8 Couch
2 Mental concept 9 Seed covering
3 Strong wind 10 Winter vehicle
4 Bargain 11 Rotates
5 God of love 12 Went away
6 Recent 13 Cubic meter
7 Small island
8 Infanma- tory disease
9 Encourage
10 Relieve: Scot.
11 Suite
12 Mountain ridges
13 Repair chair seats
14 Parties
15 Scarlett's plantation
16 Kind of cheese
17 Tear apart
18 Ger. river
19 Source of metal
20 Late comb form
21 Ocean
22 Fairy

9-21

9-22

9-23



MEET ME AT THE UNION

WE'RE FEELING SWELL
cause YOU'RE here
THE BEST PLACE for
FUN - RELAXING - ALL SCHOOL NEEDS

free!
FOR FRESHMAN
at the Union
★ Billiards
★ Bowling
★ Beverage
Pick Up Your FREE
Tickets in the
UNION Lobby

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CHOICE OF NINE COLORS
CHOICE OF FIVE STYLES

one week
only **288**

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Your class reading pleasure

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- ★ Popular Novels
- ★ Reference Books
- ★ Paper Back Books

SUPPLIES - A Complete Selection for

All your needs And your budgets

- ★ Paper Supplies
- ★ Note Books
- ★ Art Supplies & Equip.
- ★ Eng. - Science Equip.

GIFTS - SOUVENIRS -

For All Occasions

- ★ Jackets
- ★ Pennants - Seals
- ★ Jewelry
- ★ Sweatshirts

Cafeteria

- ★ Fine Foods
- ★ Relaxing Atmosphere
- ★ For You, Your Friends, Family



Grill



- ★ The Place to Meet
- ★ A Snack or a Meal
- ★ The College Atmosphere You Like

BOWLING
is FUN!



Billiards -

Ping Pong -

Music - Browsing Rooms

THE UNION BOOK STORE

RIGHT ON CAMPUS — RIGHT FOR YOU



Shown here (l. to r.) are Dean Truitt, dean of men, Dean DeLisle, dean of women, and Dean Fuzak, dean of students. These three handle student disciplinary matters.

Fuzak, Williams Give Views on Teaching Budget Splits \$29.6 Million

Individual Must Choose Method, Fuzak Believes

CHARLES RICHARDS
State News Staff Writer

John A. Fuzak is a good person to ask about effective teaching methods. The new Dean of Students can look at the subject from both sides of the fence, as a teacher and as an administrator. Perhaps it is because he has long been a teacher, himself, at both MSU and University of Illinois, that Fuzak believes as he does about the role of the instructor.

How should he teach? Fuzak says that it is up to the individual, which means you are quite likely to run into all methods of teaching in a school the size of Michigan State. "Each instructor must decide for himself which is the best method to teach," Fuzak believes. "I don't think there is a best approach to teaching. There are times when lectures are best and others when a personal approach is better."

"Obviously, if there are many sections of one course, there must be a coordinated approach in some respects. But the instructor can choose his emphasis on certain points of the course."

AN INSTRUCTOR cannot teach a student who has a closed mind. That is why all good teachers constantly jab at the student's mind and try to incite him to question.

Fuzak, like most instructors, has a definite idea of what the student should bring to college with him—an open mind. "It seems to me a student ought to approach his education with an open mind as possible," he says, "hoping to learn a good deal more about many areas of his living. By this I include a liberal education and the application of the issues which form this country and the world."

THIS HOPE that a student will bring an open mind is based on the fact that each youth forms his opinions largely through the minds of his parents, unquestioning.

Now, as Fuzak points out, he is faced with questions which won't be answered simply, and perhaps not at all. It is a period where he is forced to examine his thinking, defend it and see its shortcomings. He cannot do this with a closed mind.

"Too many think they will get pat answers and, in fact, they begin to get frustrated when the flat and specific answers don't come across," Fuzak says. "They ask the question and expect the instructor to answer it, as simple as that. It just isn't cut and dried, however."

THEN THE student should look for questions and answers from the faculty with an open mind. What does the university expect in return?

"Responsibility," he says, "or the acceptance of responsibility. I think it's fine for the student to seek freedom. But with each freedom, he must accept responsibility."

"If you cut out spoon-feeding the student, he must be willing to spoon-feed himself."

Whatever anyone else feels about the freedom of the student, Fuzak is pessimistic about his independence.

"YOU CAN'T assume the complete intellectual maturity of the student right off the bat," he says. "To put the student on his own intellectually or socially is expecting too much. These people must be brought up to maturity."

Speaking as a dean, Fuzak believes that every area of the university should be directed toward forcing more responsibility on the student.

"Parents decide what is good or bad for their son or daughter," he says, "they regulate

Professors Must Incite Students To Think

CHARLES RICHARDS
State News Staff Writer

A history teacher is not staid, a history teacher is not narrow—and he certainly is not dull.

That is, if this teacher happens to be Dr. Frederick Williams, associate professor who specializes in American Civil War history.

Williams is now engaged in the sometimes plodding, sometimes fascinating work of sorting and categorizing the personal papers of a former U. S. president, but in a classroom Williams is exciting and even dramatic.

For he not only teaches others about the world's last traditionally glamorous war but he is, himself, a glutton who can't get his fill of the Civil War.

"When I'm teaching a course," he says, "I'm constantly reading books in that field to learn, too. That way I can keep enthusiastic—and keep my students' enthusiasm."

THERE IS NO question of Williams' enthusiasm for the Civil War.

Williams inserts a dramatic flair in his lecturing. He raises and lowers his voice to emphasize. He pauses for effect, and he speeds his words to build to an important point.

It is no accident that he becomes aroused in front of the class. Williams follows closely a set of principles which he feels will best teach a student and stimulate an inquisitive mind.

"FIRST, EVERY TEACHER should know his subject forward and back," he points out. "Then, he should be able to organize the material and present it in a clear, understandable and meaningful fashion."

"He should strive to incite enthusiasm by being enthusiastic himself," he says. "The most important objective of a teacher is to motivate his students to think."

WILLIAMS PROPOSES a number of different methods to stimulate the student to thinking.

"Just as you have to warm up for a sport, a professor must do so also—he must keep his notes up to date," he says. "He will be much better if he uses original notes."

He insists on the use of all

possible visual aids. He believes in exploiting all the senses.

ALL THE WHILE he asks as many questions as he answers.

"This is where the student's ability to think must come in," he says. "Many of the questions may not be answerable but if the teacher has stimulated the student to try to find the answer he has succeeded."

THE STUDENT should realize that for the next four years he will have an opportunity never again open to him," he explains. "Here he has four years during which time he can devote his attention to improving his mind and learning to think."

He thinks the student should recognize that his academic betterment is foremost. The student should not let frivolous things drain his time.

Michigan State is a university of over 20,000 students and this forces obvious problems upon a faculty which must teach such a large number.

NOT THE LEAST of these difficulties is the instructor's attempts to provide personal consultations.

Williams recognizes the problem, but tries to compensate for it.

"I consider personal consultation most important, but what is often done is the student wastes the instructor's time. There is no reason why at the large university there

See PROFESSOR Page 5

Annual tuition totalling \$5,700,000 collected from students last year was divided and used in numerous places within the university.

Tuition constituted 19.1 per cent of the general university fund.

The following figures from the 1959-60 financial report shows what the general fund totalling \$29,670,000 was used for.

Appropriations for instruction totaled 58 per cent of the university's expenditures.

Plant maintenance funds accounted for 16 per cent.

Some seven per cent of the fund was used for student services which includes health and counseling services and other student activities.

Four and one-half per cent went for extension work, four per cent for business operations, and three per cent for libraries.

Research appropriations totaled 1.7, general administration one per cent, and the Highway Traffic Safety Center one per cent.

Appropriations totaled one and one-half per cent for student aid which includes a scholarship program for the best qualified Michigan students.

The following figures from the report show what constituted the general university fund in addition to tuition monies.

Seventy-five per cent of the fund came from state appropriations.

Three per cent came from departmental receipts from sales and services.

Reimbursement from the state for the training of vocational education teachers amounted to 4 per cent.

Interest from the investment of land-grant funds held by the state totaled 3 per cent.

One per cent of the fund came from charges to the dorms and apartments for utilities.

The 4 per cent collected from the federal government came as MSU's share of the funds appropriated by the Morrill-Nelson Act to land-grant institutions.

Fuzak, Truitt, DeLisle Direct Student Disciplinary Action

TOM DEWITT
State News Staff Writer

The people directly responsible for the housing, discipline and general welfare of MSU's 20,000 students are the personnel of the Dean of Students Office.

This office has the total responsibility for student service which constitutes the major share of outside class educational operations of the university.

The man who heads up this tremendous operation is John Fuzak, dean of students.

THIS FALL term marks his first term in this office having succeeded Tom King, who retired June 30. Fuzak was appointed by the Board of Trustees last May. At that time he was the assistant dean of administrative services of the College of Education.

Fuzak came to MSU in 1948 as assistant professor of Industrial Arts and was appointed associate professor in 1950. He was appointed professor in 1956 and assistant dean in 1960. He still hopes to continue his teaching as well as being dean of students.

Athletics have always been a main interest of his. He played on the University of Illinois baseball squad. He received his BS there in 1939, his MS in 1941, his EdM in 1943 and his EdD in 1948.

FUZAK IS THE chairman of MSU's athletic council and faculty representative to the Big Ten. He is also a member of the National Education Association; the American Vocational Association; Kappa Delta Pi; Phi Delta Kappa; American Association of University Professors and the Michigan Education Association.

Directly under Fuzak are two officials who are more closely associated with the students. They are directors of the Men's and Women's Division of Student Affairs—better known to students as the dean of men and dean of women.

The Men's Division is primarily concerned with male students. Its major function is

the organization and programming of the residence halls, fraternities, co-operatives, student government and student organizations.

JOHN W. TRUITT is the head of the Men's Division. He has been on the MSU staff since 1962. Truitt graduated from Mississippi State where he received his BS and MEd. He, like Fuzak, has an interest in sports having been a high school coach and an assistant football coach and scout at Mississippi. He has been director of the division since 1955.

The Men's Division also has general administrative responsibilities for loans, within term withdrawals, advisement of students with personal problems, publications of the division and student disciplinary functions of male students. It also participates in total university policy-making in that it has representation on every policy-making committee.

The Women's Division is responsible for the personnel program for women students. Its major function, like the men's

is the organization of the women's residence halls, sororities, women's self-governing body, Associated Women Students and all women's organizations.

THE HEAD of this division is Frances DeLisle. She has been on the MSU staff for 15 years, coming here from the University of Chicago in 1947 where she had been on the staff. She did her undergraduate work at Buffalo State Teachers' College and received her MA at Chicago.

At MSU she taught and was a counselor for eight years before being appointed head of the Women's Division. She received her PhD at MSU.

LIKE THE Men's Division, this office also handles loans, withdrawals, referrals for personal problems, registration of social events and disciplinary matters for all women.

It participates in the total university program by having representation on many committees of all-university significance and acting as consultant to many departments on their request.



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University Divided Into Eight Colleges

Michigan State is divided into the following eight colleges:

COLLEGE OF AGRICULTURE

Established in 1855, this is the oldest college in the University. Departments include agricultural chemistry, agricultural economics, agricultural engineering, animal husbandry, dairy, and farm crops.

Other departments include fisheries and wildlife, food science, forest products, forestry, horticulture, poultry husbandry, resource development, short courses, soil science, and the school of packaging.

In addition, the Agricultural Experiment Station and the Cooperative Extension Service are parts of the college.

Enrollment in this college last fall term was 1,889.

Dean is Dr. Thomas K. Cowden who has been dean since 1954.

COLLEGE OF BUSINESS AND PUBLIC SERVICE

A program in business administration was started here in 1925.

In addition to the programs in business administration, the college includes the department of economics, school of police administration and public safety, department of political science, school of hotel, restaurant, and institutional management, school of social work, and department of urban planning and landscape architecture.

In addition, the Bureau of Business and Economic Research and the Bureau of Social and Political Research serve as research outlets for departments in the college.

Last fall term's enrollment in the college totaled 4,262.

Dean since 1957 is Dr. Alfred L. Seelye.

COLLEGE OF COMMUNICATION ARTS

This college was established in 1955 as the first of its kind in the U.S.

It includes degree-granting programs in mass, group and interpersonal communications — advertising, journalism, radio, television, drama, rhetoric, and public address, speech pathology, and speech education.

Its departments include advertising, television-radio-film, journalism, general communication arts, and speech.

The Communication Research Center conducts basic and applied research in appropriate areas.

837 students were enrolled in the college last fall term.

Dr. Fred S. Siebert has been dean since 1960.

COLLEGE OF EDUCATION

This college, established in 1952, had its beginning as a department in 1906.

Now located in a \$4 million building completed in 1958, the college provides professional education programs for elementary and secondary teachers, college instructors, and adult educators.

Consultative services to the schools of Michigan and research are major activities of the staff.

Last fall term's enrollment totaled 3,070.

Dr. Clifford E. Erickson has been dean since 1953.

COLLEGE OF ENGINEERING

Established in 1885 with the

creation of the mechanical engineering curriculum, the college today includes agricultural engineering, applied mechanics, chemical engineering, civil and sanitary engineering, electrical engineering, mechanical engineering, metallurgical engineering.

The college maintains a Division of Engineering Research and operates a computer laboratory for the university.

A new plant on south campus is under construction at a proposed cost of \$4 million for the first unit.

1,871 students were enrolled in the college last fall term.

Dean since 1954 is Dr. John D. Ryder.

COLLEGE OF HOME ECONOMICS

Established in 1896, the educational program of this college is designed primarily to prepare students for the various professional opportunities available for the home economist.

Departments include foods and nutrition; home management and child development; institutional administration; and textiles, clothing and related arts.

780 students were enrolled in the college last fall term.

Dr. Thelma Porter has been dean since 1956.

COLLEGE OF SCIENCE AND ARTS

Established under this name in 1944, the college had its beginning in 1921 as the Applied Science Division.

The college offers curricula designed to furnish a liberal education.

Departments of the college are grouped into five divisions: Division of biological sciences.

Division of Fine Arts.

Division of Language and Literature.

Division of Mathematical and Physical Sciences.

Division of Social Science.

Other units of the college are: the Kellogg Gull Lake Biological Station, the science and math teaching center, liberal arts program for adults, African language and area center, and the Centennial Review, quarterly publication.

Enrollment totaled 5,730 for last fall term.

Dr. Lloyd C. Ferguson has been dean since 1959.

COLLEGE OF VETERINARY MEDICINE

Though not established as a college until 1910, veterinary medicine at State dates from the 1880's when people with training in the subject were added to the staff.

The college offers two curricula to undergraduate students: the veterinary curriculum leading to the degree of doctor of vet medicine, and the medical technology curriculum leading to the bachelor of science degree.

The college also operates a farm veterinary service, staffed by specialists who make farm visits.

Departments include anatomy, veterinary pathology, microbiology and public health, physiology and pharmacology, and surgery and medicine.

700 students were enrolled in this college last fall.

Dr. W. W. Armistead has been dean since 1957.

HONORS COLLEGE

Established in 1957, the Honors College is a unique program designed for the superior students.

All students finishing their freshman year with a "B plus" average have the option of entering the college.

Those attaining this average in their sophomore year may enter the college then.

Once a student is designated an Honors College scholar, all course requirements for his graduation are waived.

The program is under the direction of Dr. Stanley Idzerda.

UNIVERSITY COLLEGE

Established in 1944, the basic purpose of this college is to provide for each student, regardless of his major field, a common core of rigorous courses in general education.

Fall enrollment last year in this college totaled 1,928.

Dr. Edward A. Carlin has been dean since 1956.

MSU History Dates Back to 1855 Morrill Act

NORMA RUTKOSKEY
State News Staff Writer

In the year 1855 a revolutionary idea began to take shape. The idea was a college designed to teach scientific agriculture. The shape was the beginning of Michigan State University.

When Governor Kinsley S. Bingham signed the law on Feb. 12, 1855 that founded Michigan Agricultural College, he made a milestone in the history of the State of Michigan.

Since that date in 1855, Michigan State University has reached many milestones in

growth and academic development. In the beginning it was designed to serve the needs of agriculture exclusively. As the community, state, and nation changed, the needs of the people changed and with them Michigan State expanded, revised, and expanded to meet these needs.

THE FIRST MILESTONE in Michigan State history was the signing of the Morrill Act, 1862.

The college had an obligation to fulfill with the Morrill Act and they began at once to teach the mechanic

arts. In 1885 income from land sales made it possible to offer a complete course in mechanical instruction. That same year the legislature appropriated for a mechanical laboratory.

In August of 1885, professors of Michigan Agricultural College officially opened the mechanics department.

Women invaded the campus in 1870 and caused another change on the campus, not only academically but socially.

CHANGES IN THE late 1800's came quickly to the new

college. In 1876 the first Farmers' Institute, forerunner of the Agricultural Extension program began. The year 1884 saw the first intercollegiate athletic competition. The first long-range research program was started in 1888 with the establishment and organization of an Agricultural Experiment Station.

The President's home, Cowles House, was built in 1857, one of four faculty residences.

Cowles House and the Graduate Office across the street are the oldest structures on campus.

Federal funds and legislative appropriations were supplemented by private donations and gifts of interested contributors and alumni. From the private donation of R. E. Olds, a new engineering building was built in 1916 after fire destroyed the original. Engineering came into its own in that year at the college.

THE FOSTERING of a liberal education was the overall goal of the agricultural college and remains the goal today. In 1921 the Division of Applied Science was created to meet this goal.

Another step in the growth of the University was reached in 1924. A course in liberal arts leading to an A.B. degree was authorized. This was considered a radical departure from the strictly scientific atmosphere since the college was founded.

From 1900 to 1925 the college had become an institution of diversified courses in specialized fields.

TO KEEP WITH this diversification in education, the State Legislature in 1925 changed the name officially to Michigan State College of Agriculture and Applied Science, MAC for short.

In 1930, graduate work was reorganized under a separate dean and 14 years later Basic College was established.

BASIC COLLEGE, now University College, was based on a pure and simple idea: "The purpose of education is to educate." This President Hannah felt colleges and universities were failing to do.

In 1944 the School of Business and Public Service and School of Science and Arts were created. They are now colleges.

Under the administration of President Hannah the College launched in 1945 a building program which would reach \$50 million by 1955. Over half of the building program was on a self-liquidating basis.

THIS PROGRAM was designed to meet the need of the World War II veterans returning to the campus as well as to meet the demands of the population explosion of the early 1900's.

Six dormitories for men, three dormitories for women, Berkey Hall the home management house, 23 apartment buildings for faculty, additions to the stadium and the Union, Kellogg Center and buildings for physics, natural science, and agricultural engineering were included in the plan.

Results of the building program can be seen in the last decade.

KELLOGG CENTER for Continuing Education was completed in 1951 as one of the foremost adult educational centers and the largest laboratory for hotel, restaurant, and institutional management students in the nation.

Ground was broken in 1953 for the \$4,000,000 library which was completed in 1955 in the Centennial year, marking a new era of campus growth.

And so in 1955, Michigan State College became Michigan State University: a university of experimental education.

That year also the college of Communication Arts was es-

tablished, the first of its kind in the nation.

In 1956 the international aspect of the University was expanded and a Dean of International Programs was named to direct the University's foreign assistance programs.

Honors College, established in 1957 is a college designed for the superior student.

The Student Services has the offices of the extra curricular activities of the campus on the third floor.

Kresge Art Center and the Men's Intramural Building were completed in 1959. MSU-Oakland was opened for students and the posts of Provost and Vice President for Research Development were established.

THREE NEW instructional buildings will open for use soon.

1958 SAW THE completion of the \$4,000,000 College of Education, the \$2,500,000 Student Services building, and \$2,500,000 Women's Intramural building.

Student Services, a mark of the individual attention a student may obtain, serves the student with personal guidance in counseling and contains the offices of the foreign student soon, Bessey Hall, Eppley Center for Business Administration, and the new engineering building on Shaw Lane.

Not to be excluded are the new dormitories that will be used as a new experiment in class instruction. Students will have courses taught in their dormitories, and many of the old dormitories will be holding classes. Some modifications in the structure of the dorms were made during the summer months. The new program will be initiated this fall.

The history of Michigan State has shown the attempt to fulfill the obligations of the Morrill Act. To date obligations have been filled, and now they are expanding.



The Graduate offices are located in one of the oldest buildings.

Professors

(continued from page 4) can't be all the time available which the student wants.

DESPITE THE contention that the student in a large university is nothing but a number, Williams can offer convincing argument in defense of a large school.

There are advantages in a small school," he admits. "But the advantages in a large university far offset them. A small university can't afford a specialist and a large one can—that is the biggest advantage.

No matter how you approach the teacher's relation to the student and the university, Williams always returns to his basic tenet:

A teacher's foremost job is to teach.

Michigan dairymen can increase milk production by harvesting hay at an early date, say MSU dairy specialists.

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Hannah Serves Many Roles



President John A. Hannah has recently completed his second decade of service to Michigan State.

Hannah became the 12th president of the University July 1, 1941.

He was born in Grand Rapids on October 9, 1902.

AFTER HE was graduated from State in 1923, he became a member of the faculty as an agricultural extension specialist.

In 1935 he was appointed secretary of the Board of Trustees, the governing body of Michigan State. He served in this position until his appointment as president.

In 1949-50 Dr. Hannah served as president of the American Association of Land-Grant Colleges and State Universities.

DURING THE next two years, he was chairman of the executive committee. He is still active on several committees of the land-grant association.

Dr. Hannah has a record of service on several major committees of the American Council on Education.

He has served on the Relationships of Higher Education with the Federal Government committee, the Institutional Projects Abroad committee, and the Committee for the Educational Benefits for Ex-Servicemen.

WHEN MSU became a member of the Midwestern Universities Research Association in 1956, President Hannah was elected to the board of directors.

He is also a member of the Inter-State Committee on Higher Education of the Council of State Government.

He holds the following honorary degrees:

DOCTOR OF Agriculture, Michigan State; Doctor of Laws, University of Michigan; Doctor of Humanities, University of Ryukyus; Doctor of Humane Letters, University of Florida.

Doctor of Science, Michigan College of Mining and Technology; Doctor of Laws, University of Rhode Island; Doctor of Laws, Central Michigan University; Doctor of Laws, Albion College; and Doctor of Literature, Northern Michigan College.

He has also been designated an honorary professor of the School of Business, Sao Paulo, Brazil.

PRESIDENT HANNAH was appointed Assistant Secretary of Defense for Manpower and Personnel by ex-President Eisenhower in 1952.

He took a leave of absence from MSU and was sworn into office on February 11, 1953. He resigned from this position on July 31, 1954.

He was awarded the Medal of Freedom at this time for his work as assistant secretary.

PRESIDENT Eisenhower appointed Hannah chairman of the U. S. section of the Permanent Joint Board on Defense, Canada, U. S. in January 1954.

In this assignment, he heads a five-man American section of a ten-man agency charged with the responsibility for coordinating the defense of the two countries.

Upon appointment by ex-President Truman, he served for two years on the International Development Advisory Board.

THIS AGENCY formulated policy for the Point Four program of technical and economic aid to the un-

derdeveloped areas of the world.

In 1956 President Hannah made a survey of foreign aid programs in the Far East for the Foreign Relations Committee of the U. S. Senate.

Dr. Hannah was appointed by ex-President Eisenhower in December, 1957, to serve as chairman of the Civil Rights Committee.

PRESIDENT Hannah has served as a member of the board of visitors of the Air Force Academy and the advisory board of the U. S. Army.

He also was a member of the board of consultants of the National War College, Washington.

Dr. Hannah is a member of the boards of the Michigan Bell Telephone Co., the

Motor Wheel Corp., the Michigan United Fund and the Market Research Corp. of America.

MRS. HANNAH is the former Sarah Shaw. She is the daughter of Robert S. Shaw who was a professor and Dean of Agriculture for a quarter of a century before he became President of Michigan State in 1928.

The Hannahs have four children, Mary Elisabeth, born October 28, 1939; Robert Wilfred, born December 24, 1941; Thomas Arthur, born May 16, 1945; and David Harold, born April 18, 1948.

Sharon Robison, senior from Midland, is editor of the first section of this edition, "What Is a University?"

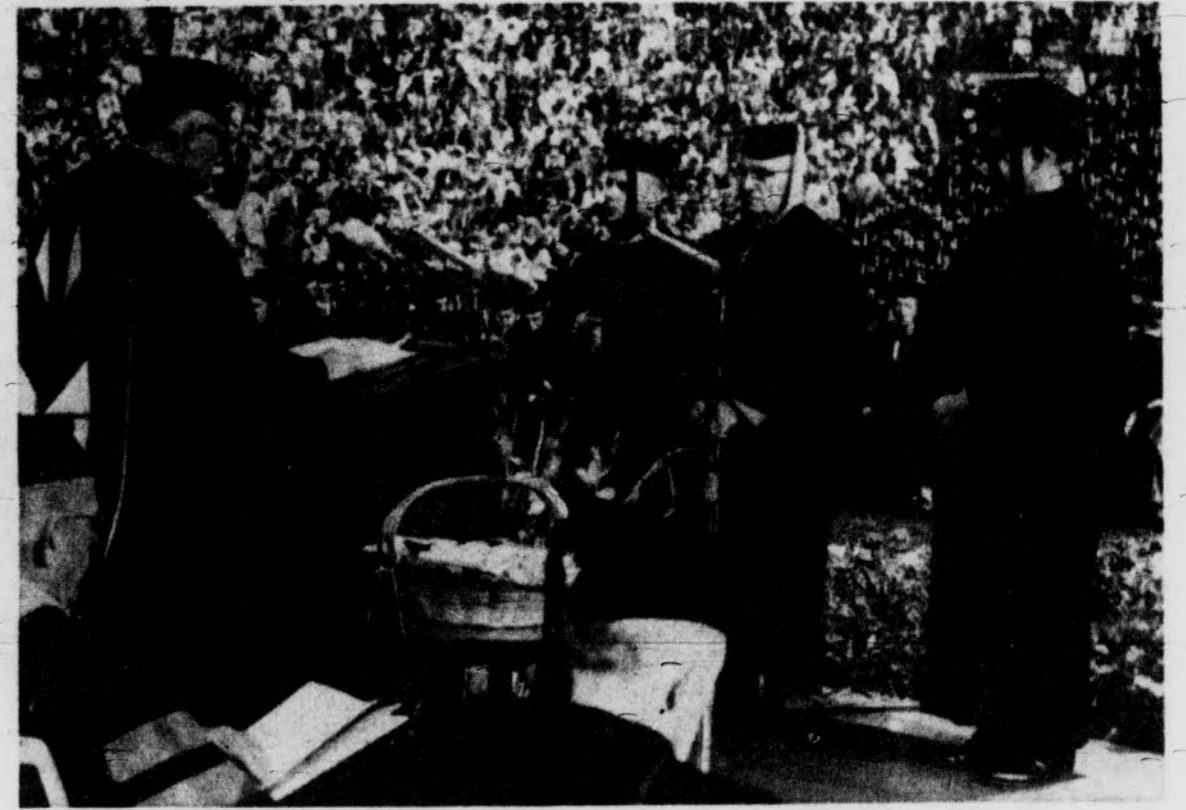
Miss Robison is a journalism major and plans to graduate next March.



(Upper left) This recent picture shows President Hannah at work at his desk.

(Lower left) President Hannah is shown here walking between the Union building and his home, Cowles House.

(At right) President Hannah is shown here at Commencement exercises in June 1960 when former President Truman (second from right) was guest speaker.



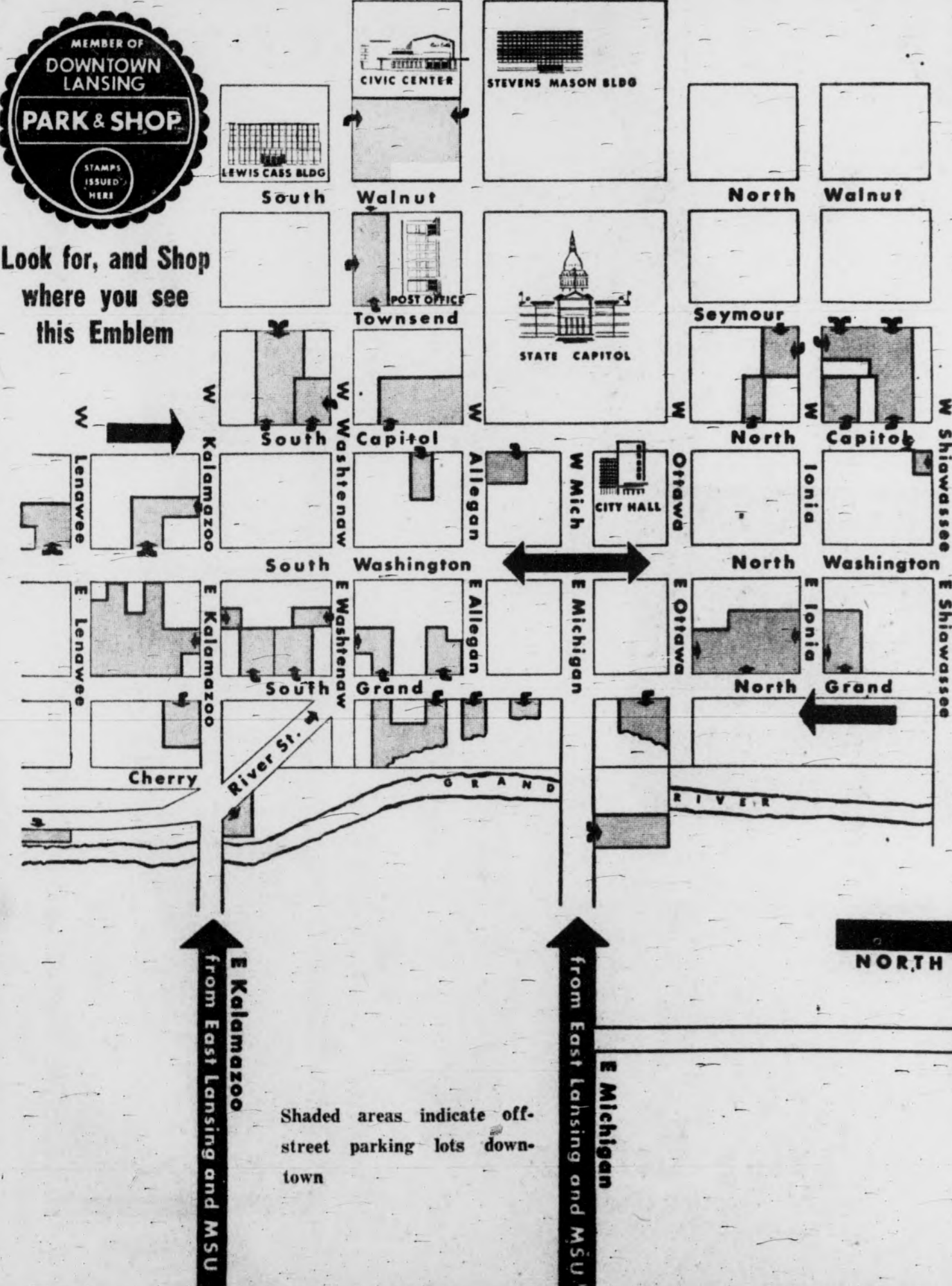
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Hannah Completes 20 Years As MSU President

Situation Different Here in '41

Dr. John A. Hannah has ended his twentieth year as Michigan State's president. This has been the most significant period in the 106-year history of the university. This period under his leadership saw MSU emerge as one of the nation's leading universities, not only in terms of enrollment and physical facilities, but also in terms of overall academic standards.

THE CLOCK is now turned back to the fall of 1941.

Dr. Hannah has been president for a little over two months. Six thousand students are enrolled this term.

Michigan walloped the Spartans 19-7 despite a Spartan 74-yard run in the first two minutes. And a campaign is launched to adopt "MSU Shadows" as the alma mater.

PEARL HARBOR is attacked. President Hannah has called a special meeting of all male students to explain draft status of college men with the U.S. at war.

MSU gears for war with a defense volunteer program and changes in curriculum. President Hannah advises all students to finish college work as soon as possible and get into the war.

A special registration bureau is set up in the Union ballroom to enroll State men for the draft. J-Hop committees okay uniforms as formal wear.

A **SECOND** war convocation is called by President Hannah. U.S. troops have landed in Ireland. A special meeting is called for all men interested in the army enlisted reserve.

Thus ended Dr. Hannah's first full year as president. The world was at war and MSC enrollment was fast dropping off as college men went to fight for their country.



President and Mrs. Hannah are shown here with their family in 1957. Standing in the background (l. to r.) are David and Tom. Seated in the foreground are Rob and Mary. The picture was taken in the garden of the Hannah home, Cowles House, on West Circle Drive.

* * *

State News Editorial Of 1951 Issue Pays Tribute to Hannah

(Editor's note: This editorial appeared in the July 5, 1951 issue of the Michigan State News honoring President Hannah on his tenth anniversary as president of Michigan State.)

This issue of the Michigan State News is dedicated to one of the finest men ever to claim the title of college president—Dr. John A. Hannah.

Here is a man who stands as a symbol of the greatness that is Michigan State College. For it is he who engineered this greatness.

To look at the sprawling acres of green grass, newly-constructed buildings and shade-giving trees, of the MSC campus, one would never realize that its architectural beauty is a comparatively new thing.

And all because of a man with a dream, a dream that put thoughts of self in the back of his mind, crowded there by dreams of a Michigan State of the future.

Hannah stepped into the helm of Michigan State in July, 1941. Five short months later, the country was plunged into a manpower-sapping war.

The next four years were slim ones for MSC. The enrollment fell off to less than 2,000 at times. But the dream that was Hannah's never wavered.

Then the bright years came. The enrollment grew, and the rest of the college grew with it. New buildings sprang up almost overnight.

Hannah could have said, "I told you so." For the things he had foreseen were becoming a reality. But he just smiled and went on with his work, not satisfied with a partially fulfilled dream.

Today, John A. Hannah's titles are many. He is the past president of the Association of Land Grant colleges. He is a member of President Truman's famed "Point Four" advisory board. He holds honorary degrees from both of the state's top universities, MSC and the U. of M.

But to John A. Hannah these titles are superficial. One name we have a hunch he prefers over all his appointments is perhaps much more typical and representative of the esteem in which he is held by the students of Michigan State.

That's plain and simple "Uncle John."

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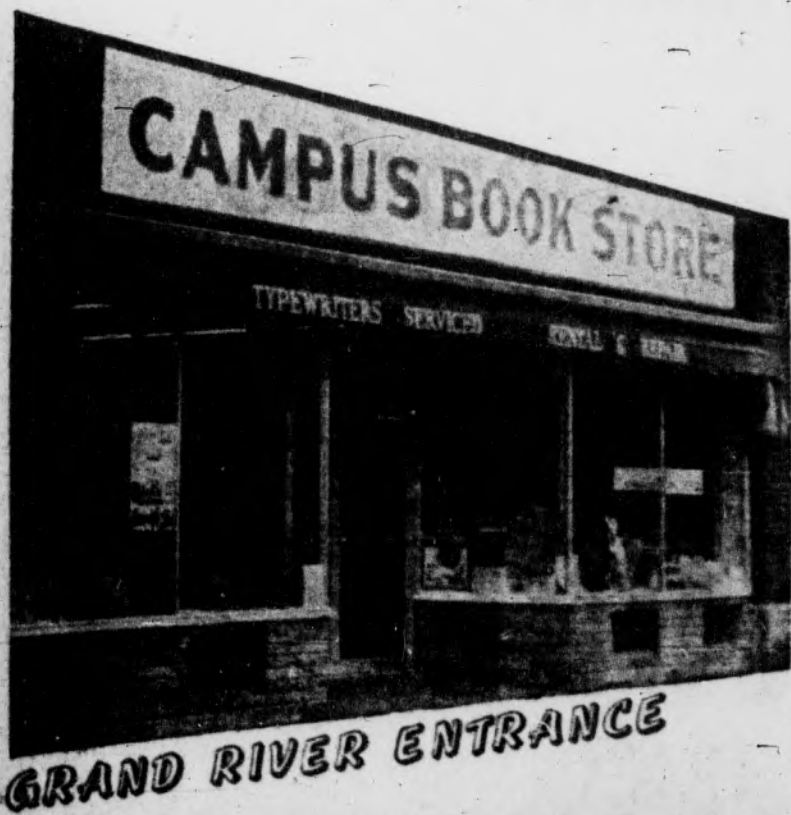
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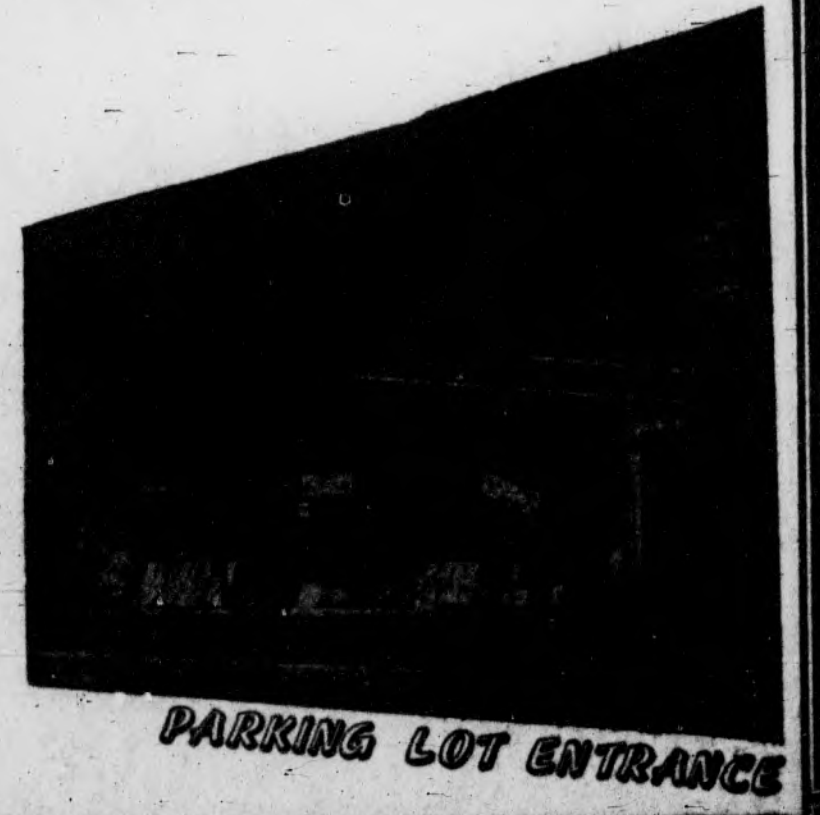
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Plaque Marks Former College Hall Site

NORMA RUTKOSKEY
State News Staff Writer

"Michigan State University, founded 1855. On this site stood College Hall, first building in the United States erected for the teaching of scientific agriculture. Here began the first college of its kind in America, and the model for Land Grant colleges established under the Morrill Act of 1862.

This act granted lands for the endowment of colleges to provide for "liberal and practical education... in the several pursuits and professions in life."

This plaque on Beaumont Tower, where College Hall once stood, marks the site of the beginning of Michigan State University.

Three original buildings stood on the knoll near Beaumont in 1855. One hundred seven years later a university evolved to one of the ten largest universities in the nation.

FROM THE pioneer Land Grant College with a staff of six professors the University now offers eight colleges with approximately 150 different courses of study, a staff of 2,000 and an expanse covering 4,250 acres of land.

The founders of Michigan State University had a new concept of education, a liberal education, to train and educate young men and women for the major occupation of that day — farming.

The blueprint of this idea was drafted by Bela Hubbard, a Detroit naturalist and farm owner in 1850. Mr. Hubbard saw education at this new college as one to teach agriculture and all of the natural sciences. He foresaw the teaching of mathematics, bookkeeping, engineering, architecture, landscape gardening, literature and the fine arts.

BECAUSE this concept of education was new and experimental, support for the college was hard to get. When Presi-

dent Lincoln signed the Morrill Act in 1862, agricultural colleges could look toward some permanence of survival.

Michigan State University has in 1961 fulfilled the content of the 1862 Morrill Act which read:

"The leading object of the college shall be, without excluding other scientific and classical studies including military tactics, to teach such branches of learning as are related to agriculture and the mechanic arts... in order to promote the liberal and practical education of the industrial classes in the several pursuits and professions in life."

AGRICULTURE and other vocational groups were being neglected in other universities and colleges in training youth for the learned professions. The Morrill Act was formed to fill this gap between the classical studies and the practical vocations, agriculture being among the neglected studies.

The last line of the Morrill Act, "to promote the liberal and practical education of the industrial classes in the several pursuits and professions in life," points to the continual experimental nature of the University.

To fulfill the obligations of the land-grant system, the University has expanded its service to the people of the state and other countries through many programs.

AMONG THESE programs are the Agricultural Experiment Station which conducts research on campus and at five off-campus substations. The Cooperative-Extension Service that reaches families with technical information on agriculture, homemaking and the 4-H program. The Continuing Education—Service that reaches persons in programs conducted on campus and in communities. And now the University is international having extensions in foreign countries.

"The liberal and practical" education for the student body is encompassed in the Univer-

Students Can Voice Opinions In Many Ways

State News, AUSG Give Student Voice

JOHN WOLCOTT
State News Staff Writer

Far too often a prevalent feeling among university students is that they have no voice in Administrative decisions that affect their living.

Falling back on the old fallacy that they can't do anything by themselves, they become content with wallowing in self-pity and squealing hopelessly about the omnipotence of "Big Brother."

Yet channels do exist for expressing student feelings. The All-University Student Government and the State News, through its "Letters to the Editor" column, both provide this opportunity.

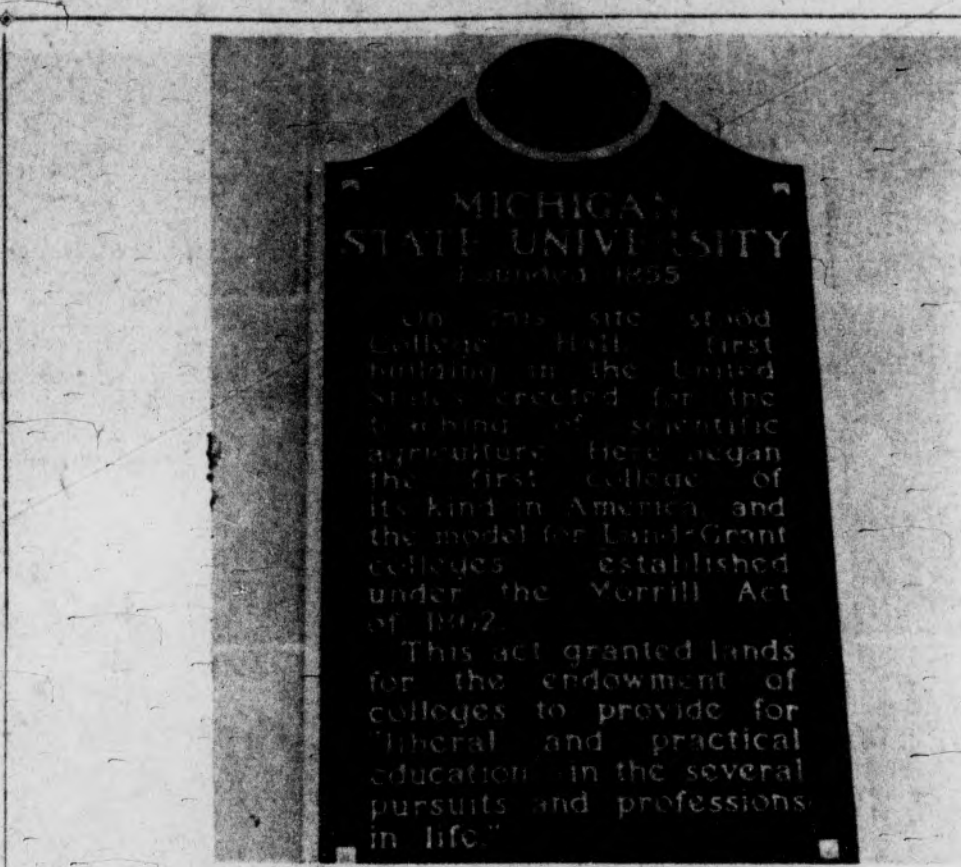
It is through these channels that policy-makers at the top can become aware of student feeling. Decisions concerning the student body should take into consideration the student consensus. If students refuse to be interested in affairs concerning them, they can hardly complain about infringements of their rights, resulting from their own apathy.

All-University Student Government representatives, continually studies student problems and works toward solving them

city's eight colleges.—Agriculture, Business and Public Service, Communication Arts, Education, Engineering, Home Economics, Science and Arts and Veterinary Medicine.

Other areas of instruction that have grown from the "College on the Hill"—are the school for Advanced Graduate Studies, the University College and the Honors College established in 1957.

All of this grew from an idea, an experiment, the passage of the Morrill Act, and a desire of administrators to educate youth in the "several pursuits and professions in life."



This plaque, located on Beaumont Tower, marks the site of MAC in 1855.

ernment (AUSG), with elected fairly.

Its weekly meetings provide an opportunity for students to air ideas and opinions and to vote on measures to be taken.

A few years ago, AUSG was instrumental in obtaining the name change from MSC to MSU, even after college officials had given up hope of seeing the measure passed by the state legislature.

A publicity program sponsored by the student government hastened construction of the new library by several years.

AUSG has also sponsored the Salk vaccine program at Olin Health Center, providing for distribution of the vaccine for only 50 cents a shot. A beneficial student insurance program has grown up under AUSG's sponsorship.

The University administration is able to form a fairly reliable picture of student opinion on various issues by following AUSG's weekly proceedings. But the picture is accurate only as long as the whole student body is contributing to it.

Just down the hall from the AUSG offices on the third floor of the Student Services building is the State News. Its "Letters to the Editor" page has been the battlefield for skirmishes over student liberties, university policies, campus police activities, world and state politics, ROTC and Herblock.

Self-expression comes into its own where professors and students match wits or join sides to commend or condemn the world about them.

To have this freedom of expression monopolized by a few would detract from its true purpose. The panorama of views expressed can be maintained only by active participation by the students.

This is your university. If you want to suggest improvements in university procedures or curriculum, air a grievance for redress or champion a cause, use these channels.

AUSG Acts As Major Governing Body

BARBARA GUEST
State News Staff Writer

All-University Student Government is the major student governing body in the University, the organization having original jurisdiction in cases involving student infractions of University rules, regulations, and policies.

Student welfare and rights, direct student benefits, and aid to campus organizations are the three main areas of AUSG concern.

AUSG, like the United States Federal government, is divided into three branches: Legislative, Executive, and Judicial.

THE LEGISLATIVE branch, Student Congress, is responsible for discussing all matters of student welfare and passing the necessary legislation which will govern all students.

AUSG works through 54 members elected from all living units, dormitories, sororities, fraternities, co-ops, married housing, and Lansing and East Lansing.

AUSG APPOINTS committees to carefully study controversial issues and make recommendations for their solution. The long-debated issue of compulsory vs. voluntary ROTC was thoroughly investigated last year by an AUSG committee.

The detailed report, when presented to Congress, was approved and a resolution was subsequently passed strongly favoring the adoption of voluntary ROTC.

Resolutions are no more than requests that the administration consider something but they serve the important function of keeping the administration informed of student opinion on important issues.

AUSG WAS ALSO a strong advocate of removal of the word "automatically" from the

University rule that "Any student possessing, consuming, or transporting alcoholic beverages on MSU will be automatically suspended."

Dale Warner, AUSG Vice-President and Speaker of Congress heads the legislative branch. Gordon Suber, Speaker Pro-Tem, works as liaison between Congress and the Speaker and sees that the nine standing committees are doing their jobs.

Typical of AUSG achievements in the area of direct student benefits are the AUSG sponsored student insurance plan and the small loan fund through which students may borrow up to \$15 for two weeks.

IN CO-OPERATION with Olin Health Center, AUSG sponsors the Salk polio vaccine program for which students pay only 50 cents a shot.

AUSG's executive branch is headed by President Larry Campbell.

Administrative Vice-President Jim Anderson and Executive Vice-President Charles Bruce work with the President and handle administrative details for main AUSG functions.

TREASURER KEN Weaver, responsible to Congress as well as to the President, supervises expenditures and keeps financial records.

AUSG programs are supported by the student body through a 25-cent tax collected from each student at registration every term.

The third branch of AUSG is the Judiciary, the highest court of appeals. Headed by the Chief Justice, it includes eight undergraduates, two graduate students, and two representatives from the Dean of Students office.

Student government is located in 12 offices on the third floor of the Student Services Building.

MSU Creates

(continued from page 1)
Bulletins, pamphlets, and other information is channeled through this service also.

OTHER SERVICES include the Audio-Visual Center, a film library for the public schools of Michigan. The research carried on by business and economics division serves business associations off-campus. Broadcasting service provides a channel to disseminate information to the people of Michigan.

These are but a few of the services offered by Michigan State University. But it is the extent of the programs that helped build the University upon its original philosophy and bring the College on the Hill out of the Woods and into the world as a University of higher education.

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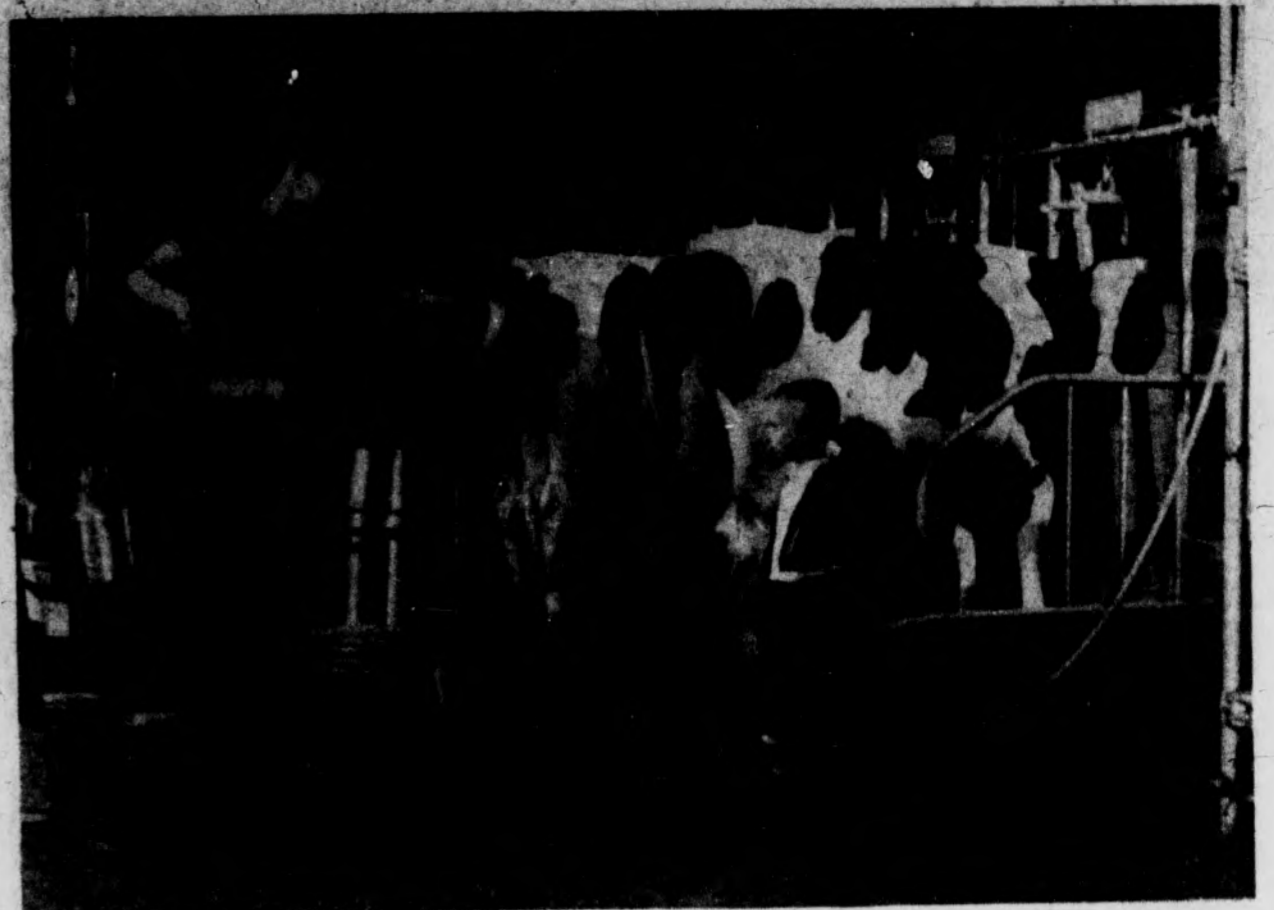
CORNER WEST GRAND RIVER & EVERGREEN



Dr. Moreau S. Maxwell, anthropologist and Museum curator, examines a museum skull.

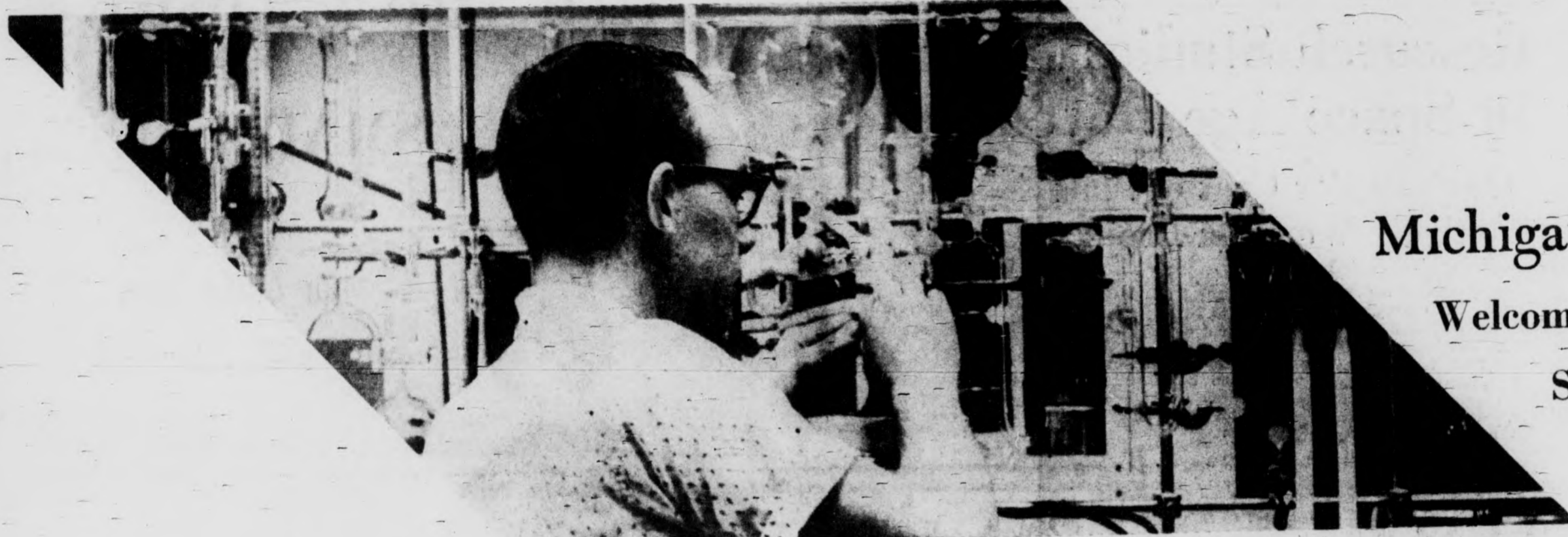


Electron Microscopist Lee Virm Leak works with the delicate instrument in the new Biology Research Laboratory.



Milking time at the University Dairy. Jerry Wonnacotte, Detroit, Dairy Products major demonstrates for another student's son.

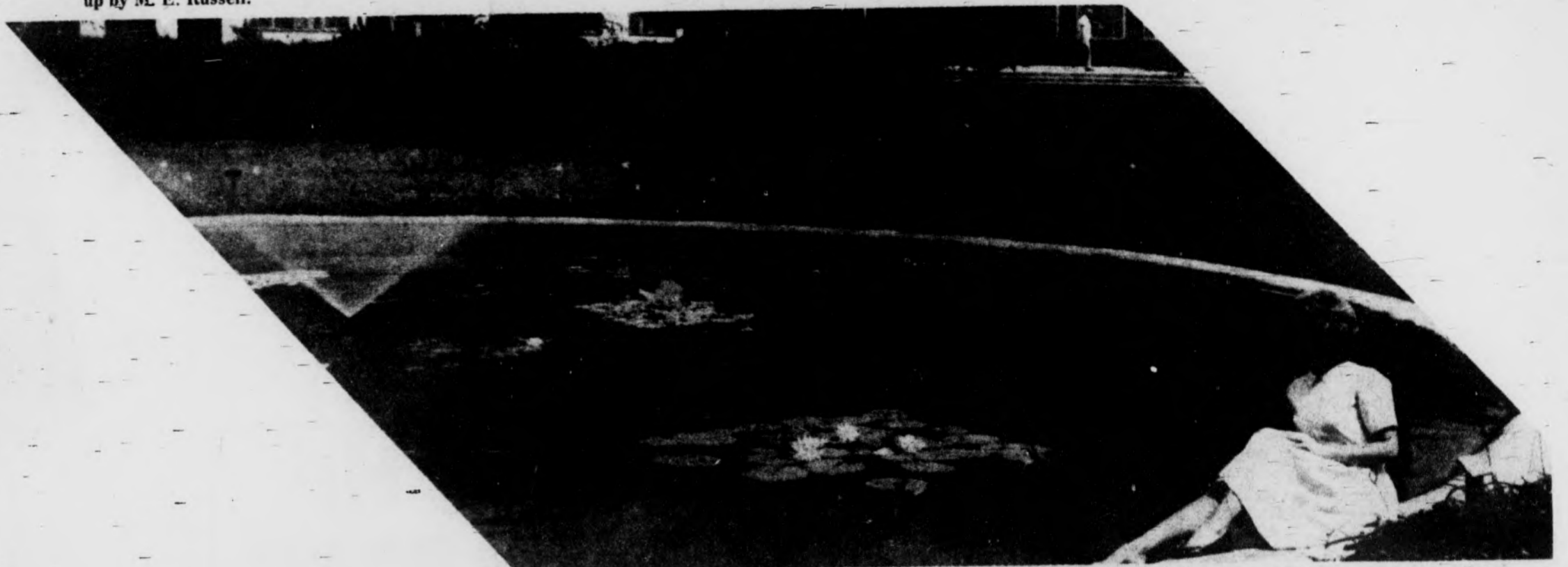
Science and The University



Ken Yerrick works on a Gas Phase Kinetics project set up by M. E. Russell.

Michigan State News
Welcome Week 1961
Section B

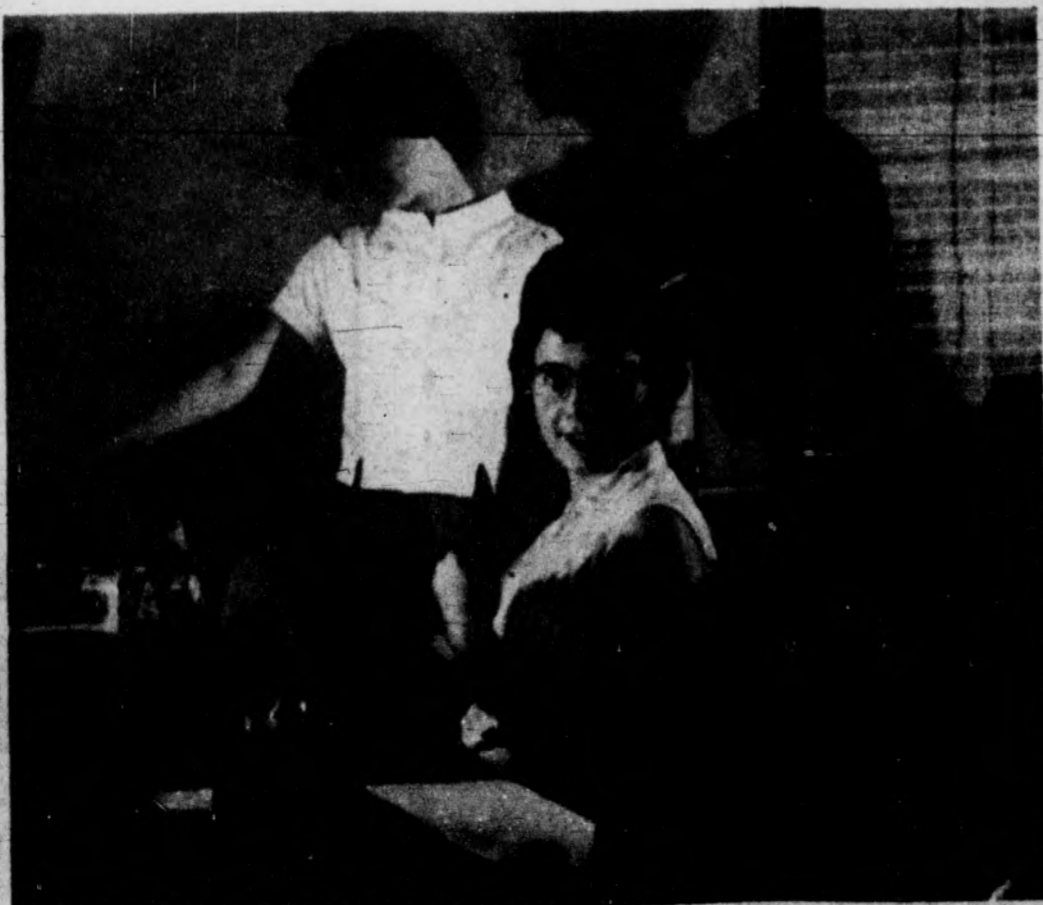
"The most beautiful and most profound emotion we can experience is the sensation of the mystical. It is the dower of all true science. He to whom this emotion is a stranger, who can no longer wonder and stand rapt in awe, is as good as dead." Albert Einstein.



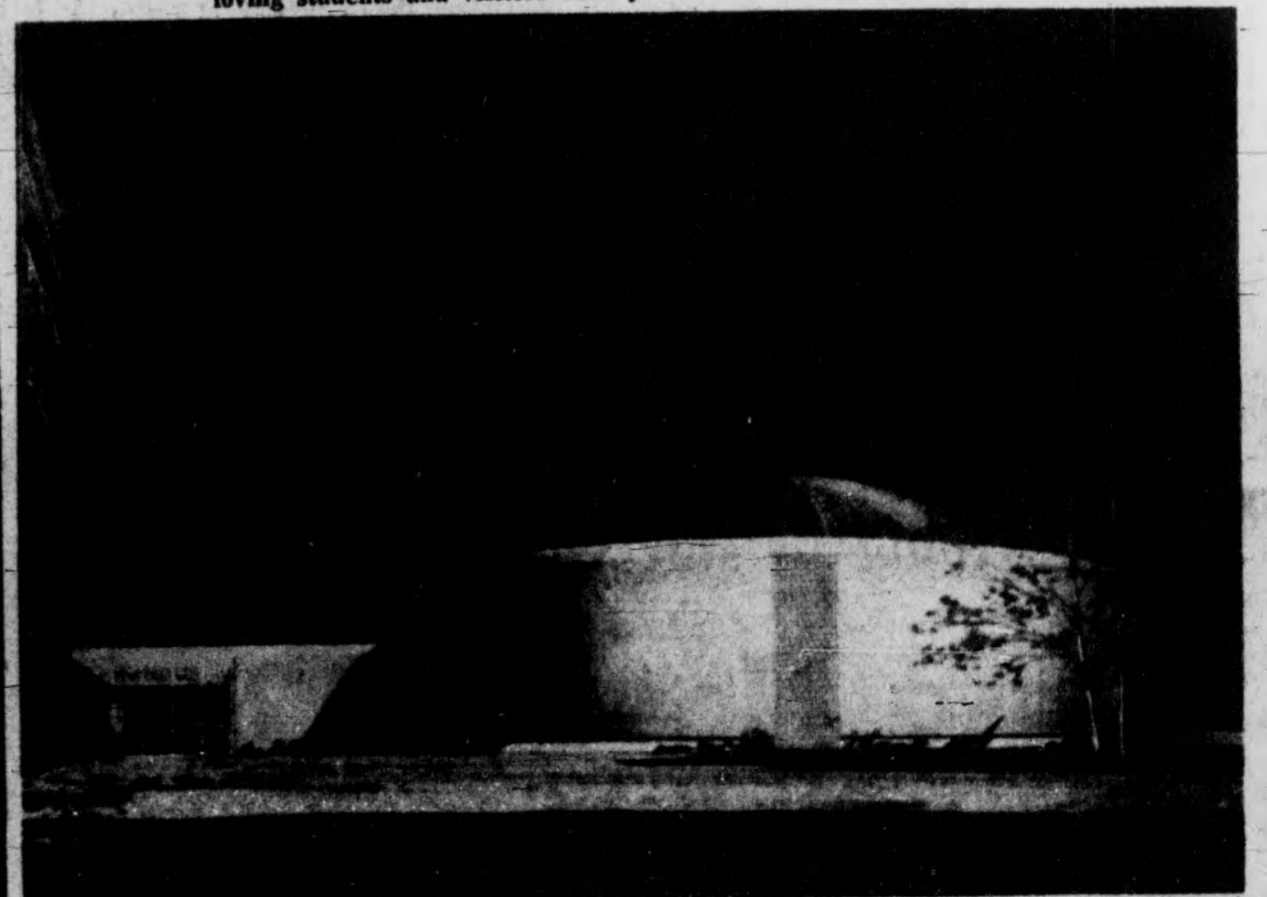
REPOSE!—The Horticulture Garden attracts many nature-loving students and visitors each year.



The Beta Ray Spectrometer is only one of many research projects being carried on in the Physics Department.



The MISTIC computer is a focal point of many research programs, computing data in minutes that would take months by longhand.



The proposed Planetarium will be attached to the Museum, bringing students and visitors closer to the understanding of the Heavens.

Research.. The Parent of Success

Science Editorial

By William E. Small, Jr.

Science is the basis of man; his needs and beliefs. The wonder of science for man begins with conception and birth. And when the baby first cries, it cries through science. The vocal cords vibrating to a pitch within the wave length of the human ear causes others to know that the child lives.

THE BABY HEARS—its own voice and breathes air, and it sees objects within a few days; that is science.

As the infant grows stronger, it moves a limb. The ability of movement, its structure, the eating facilities, crying and smiling are nature. Science is discovered with each movement, sight and sound.

The world around is perceived by one or more of the senses. Each sight, sound, smell, taste or touch is a clue of an object of nature. The tools we use, the food we eat and even the people around us are products of nature and science.

THERE ARE THOSE who do not understand the importance of science education. But science, especially in this "Space Age," is a rapidly advancing, ever changing area of human thought and phenomenon.

As a geology professor once said, "The only sure thing in the world is nature, and even that is changing. In fact, the only thing that doesn't change, is change itself."

Several professors at the University were polled as to the reasons for the requirements of Natural Science in the Basic University for all students. Dr. Moreau Maxwell, curator at the Museum, explained it very simply:

"IT IS VERY HARD to understand anything unless you understand the basics of the life functions. If I could, I would request every student to take all courses offered at the University."

One professor explained that all of the basics are common denominators on which all students must stand. "They are a broad base to understanding all areas," he said.

CARL SANDBURG, in "The People, Yes," explained the need for a basic in all fields with a simple story:

"The white man drew a small circle in the sand and told the red man, 'This is what the Indian knows,' and drawing a big circle around the small one, 'This is what the white man knows.'"

The Indian took the stick and swept an immense ring around both circles: "This is where the white man and the red man know nothing."

The Editor

Note: All biographies were chosen at random by the editor. The sample should give new students a chance to meet this random selection of professors representing the entire science staff at the University.

Science and the University was entirely written and edited by William E. Small, Jr.

Small, 24, received his B.S. degree from this University in Geology in June, and is a graduate student in science writing in the Department of Journalism.

He is copy editor for Water & Sewage Works and Water & Wastes Digest, technical journals for Sanitary Engineers, and science editor for the State News.

Born in Jackson, Mich., he served three years in the Army and wrote for the Badenerhoff Kaserne News in Heilbronn, Germany.

He received the A.S. degree from Jackson Junior College in 1959. At this University, he worked on the Cyclotron Research Project for two years and is credited with the drawings in project publications.

He lives with his wife, Ruth, and a daughter, Suzanne, in University Village.

A professor of civil engineering has predicted that the University may be sitting on hundreds of gallons of radio-active wastes in 20 years because of rich salt deposits under the campus.

Undulant Fever Studied 46 Years By Staff Member

A 46 year study of a single disease has made Dr. Irvin F. Huddleson, professor of microbiology and public health, an internationally recognized authority.

Huddleson joined the staff as a graduate student in bacteriology in 1915. That same year he started his research on brucellosis, the disease known as undulant fever in humans and Bang's disease in cattle.

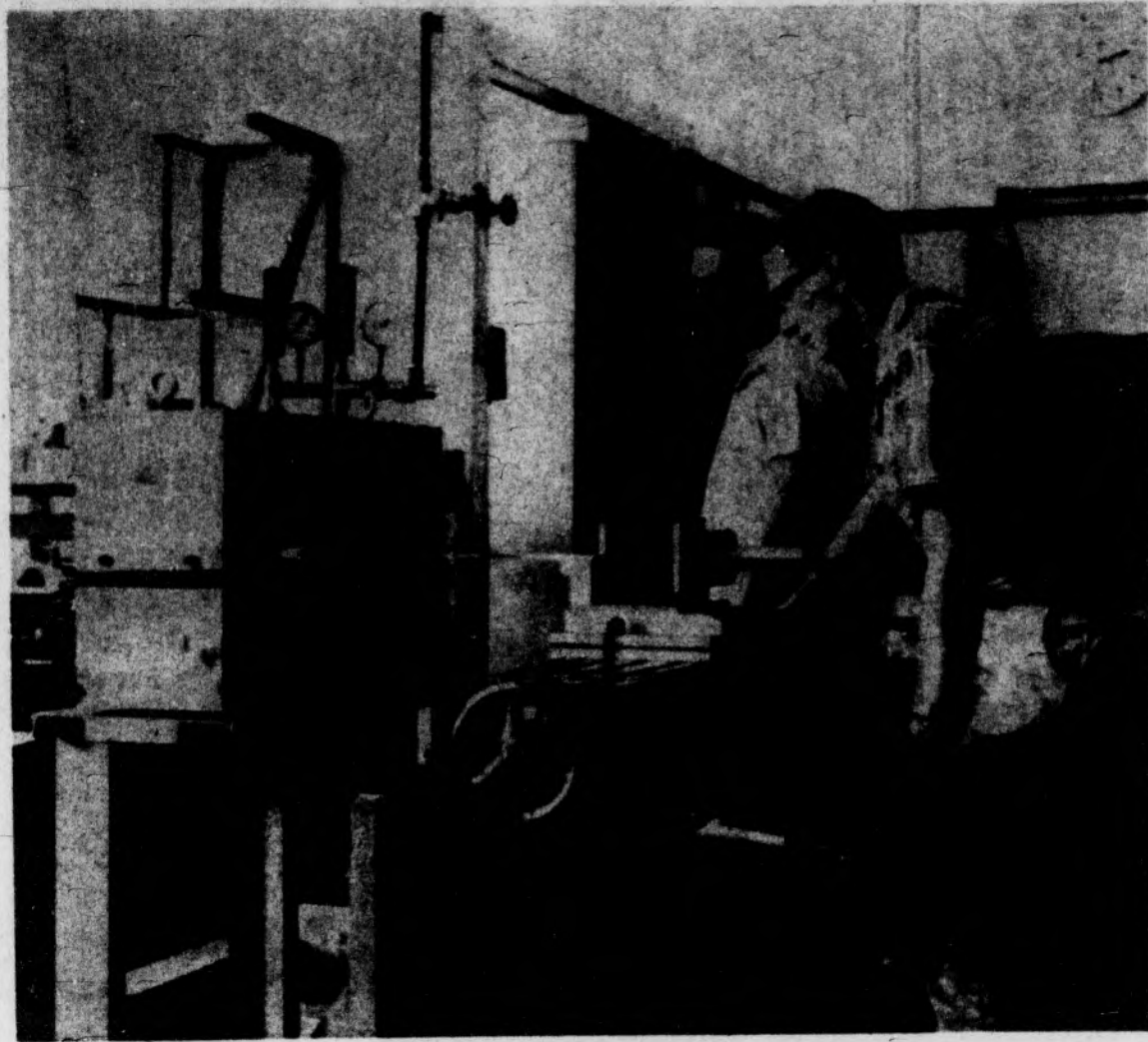
His research has been interrupted only by services in World War I as a captain in the Sanitary Corps, and by studies of brucellosis in the field.

He also served as special investigator for the U. S. Public Health Service in the Mediterranean countries, in 1929 and has carried out experimental studies in Malta, Tunis, Mexico and Argentina.

A pioneer in the study of brucellosis in man and animal, he has dealt with its detection and treatment, the isolation and differentiation of the organisms and the basic chemistry of Brucella.

Born in Murphysville, Ky., in 1893, Huddleson received the B.S. degree from Oklahoma A & M in 1915. The M.S. degree in 1916, the D.V.M. degree in 1925 and the Ph.D. degree in 1937, all at this University.

He has received a number of high ranking awards and honors.



Cyclotron Magnets being checked by Jack W. Beal and Merritt Mallory, graduate research assistants.

Cyclotron Speeds Protons For Atomic Energy Study

Nuclear studies are high on the list of University research projects. The coming of the cyclotron has stimulated great interest and increased the number of high-caliber graduate students.

A unique process, which will make the proposed cyclotron 10 times more efficient than others in the same class, has been designed by Dr. Henry G. Blosser and Dr. Morton M. Gordon, professors of Physics.

HIGH ENERGY PARTICLES will react with target elements to produce other elements, such as gold from lead or fluorine from oxygen.

THE CYCLOTRON is a machine designed to give high energy and speed to particles, protons or other positive ions, for atomic research.

The machine is a kind of "merry-go-round" in which, after the particles enter from an injector, they circle about a central origin, in larger and larger orbits, under the influence of combined electric and magnetic fields.

When the particles receive the desired energy and speed, they are brought out of the machine to strike an external target, which can be observed.

beam, much like shot from a shotgun, and spread over a large area.

The development at this University was a unique process to produce the particle beam in a pencil-shaped thin beam.

Other universities have since arranged for models of their magnets to be studied here in order to possibly adapt their cyclotrons to this process.

BLOSSER SAID the new design will give 10 times more total current and focus particles on an area which is 10 times smaller. It will reduce the variation in speed between particles, too, he said.

The two professors feel they have worked out all the basics of design for the proposed University cyclotron. It will be in the medium energy range (around 40 million electron volts) (MEV), will have a 6-

See CYCLOTRON, page 7

Research Studies Important In Space Age Developments

Only 12 Per Cent of Staff Actively Work on Projects

Research is "big business," here as throughout the world. Money allotted for sponsored research at this University in 1959-60, for example, amounted to \$2,747,000, according to "Sponsored Research," a booklet put out by the Office of Research Development and the Graduate School.

Each day articles appear in the paper about grants received or research projects being carried on at the University. But how many of us realize the true extent of these research programs?

IN 1959-60 THERE were 262 grants, totaling \$2,456,739, for sponsored research here. Of the 262, at least 95 per cent are directly related to the field of science, according to the Research Development office.

In this "Atomic" or "Space Age, emphasis is placed mainly on scientific research. A well-known space expert at the University, Dr. Maria Krzywobłoki, has said that in order to stay with our competitors from the East, the United States must maintain its science research and education programs.

Information from the National Science Foundation (NSF) indicates that the total national expenditure was \$12.5 billion for research in 1960 as compared to \$5 billion in 1953-54. Of this, federal agencies spent \$7.5 billion or 60 per cent. This increase is comparable with the increased emphasis on research at the University.

TWENTY-FOUR FEDERAL AGENCIES sponsor research, but nine gave 99 per cent of the total grants. Their names occur often in the news: the Department of Defense; the Atomic Energy Commission (AEC); the National Aeronautics and Space Administration; the Department of Health, Education and Welfare; the Department of Agriculture; the Department of the Interior; the

higher caliber and greater number of students, especially graduate students, the institute will enroll. The more students enrolled, the more support the university will receive for research.

EACH SPONSOR of research has policies and regulations for projects it supports. Although an organization may have a diversified interest in many branches of research, it generally only sponsors directly related fields.

Over 160 organizations, foundations, governmental agencies, or individuals sponsored research here in 1959-60. Grants covered all fields of science studied here, as well as individual interest fields. Beyond those listed, there are many projects under study by professors and students under separate contract, not directly through the University.

Some of the more interesting outside projects include work on the solar furnace, the classification of spiders from Beaver Island and toxic micro-organism studies.

THIS SUMMER, the Board of Trustees accepted \$484,471.12 in gifts and grants at one meeting. These were allocated for: clinical psychology, production of metals with specific imperfections, absorption of nutrients by plant foliage, engineering models, electron studies, properties of chemical compounds, ecological changes of deforestation.

See RESEARCH, page 5

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Agriculture Ranks High On Campus, Still National Model

Oldest College at the University Was the First to be Established For the Teaching of Ag Science

Michigan State is one of America's shrines of higher education, according to President John A. Hannah.

"Here, in 1885, was established the first college in the world devoted to the teaching of agricultural science."

THIS ORIGINAL COLLEGE serves as a model for the land-grant system which today includes 62 leading colleges and universities in the U.S.

The College of Agriculture, established in 1855, is the oldest college of the University, and is under the direction of Dean Thomas K. Cowden.

This college is divided into three fields of activities: teaching, research and extension. ON THE TEACHING side, the college is divided further into 15 departments and a related school.

These departments are: agricultural chemistry, agricultural economics, agricultural engineering, animal husbandry, dairy, farm crops, fisheries and wildlife, food science, forest products, forestry, horticulture, poultry science, resource development, short courses and soil science; and the school of packaging.

Expansion and modernization of curricula in the separate departments has kept this college a leader in agriculture.

THE AGRICULTURAL Experiment Station conducts research bearing on agriculture, home economics and veterinary science and other related fields.

The station operates 12 branch stations in Michigan and currently is carrying on 425 research projects. In 1959-60, \$3,496,570 was expended by the station for research.

Related research in the departments of entomology and plant pathology are also under the supervision of the station.

OF THE 4,500 acres of land owned by the University at East Lansing, 3,500 acres are used for experimental agriculture as woodlots, pasture, crops or barnyards or left intact for future use.

Ag students apply laboratory techniques on the University farm to provide a small percentage of the produce used in residence halls.

Although agriculture is no longer the predominant field of study here, the college claims about 10 per cent of the students enrolled each year. From the first class of 63 in 1857, the last count reached past 2,000 in 1960. The University still ranks among the top in agricultural enrollment in the U.S. These students are introduced

Trout Known In Dairy Field

Dr. G. Malcolm Trout, professor in the dairy department, has long been prominent in the field of dairy products, their inspection and improvement.

He is the author of more than 100 papers, articles and bulletins on dairy technology, the result of studies on milk flavors, homogenization and frozen cream.

Trout has also authored two books: "Judging Dairy Products" with J. A. Nelson, 1934; and "Homogenized Milk: A Review and Guide," 1950.

BORN ON A FARM near Birmingham, Iowa, in 1896, he received the B.S. degree in 1923 and the M.S. degree in 1924, both from Iowa State College. He received the Ph.D. degree in 1936 from Cornell University.

He first joined the dairy department here in 1928 and was appointed to his present post in 1941.

His major honors include the \$1,000 Borden award for research in dairy manufactures, 1945; the Distinguished Teacher award here in 1952 and 1954; the Sigma Xi senior award for research, 1956; and the \$1,000 American Dairy Science (ADS) association Master Teachers award in dairy manufactures, 1957.

THE PROFESSOR was an official delegate to the World's Dairy Congress at Stockholm, 1949; The Hague, 1953; and Rome, 1956. He was an adviser at the London Congress in 1959.

Trout was vice president of the ADS in 1948-49 and president in 1949-50. He is also a member of the International Association of Food and Milk Sanitarians; Dairy Industry Society International; Institute of Food Technologists; and several honorary fraternities.

to experimental and demonstrational plots, nurseries and selected livestock used for research.

RESEARCH AT THIS University directly affects every citizen as he sits at the table.

For example, more than 30 years of research at the South Haven branch station gave Michigan its entire blueberry industry. The Haven series of peaches were also developed there. Further research may lead to a new apricot industry—the only production east of the Rocky Mountains.

In the last few years, researchers here have released a new variety of oats, five new varieties of beans, a dozen of corn and three of potatoes.

A NEW MUSKMELON and a new celery variety have also been released, and the cause of bitterness in carrots was discovered and checked.

Testing weed and insect killers is but another of the projects here. The control of many organisms that cause spoilage of cottage cheese has also been found.

The Department of Food Science is involved with flavor, color, texture, nutritional value and wholesomeness of foods.

Frozen whipped cream was developed and new cheeses and other milk products are being released.

ARTIFICIAL INSEMINATION and animal reproduction is also developing new and better breeds.

Also run by the College of Agriculture and the Department of Horticulture are the several greenhouses and gardens around campus.

It may be noted that the Beal-Garfield Botanic Gardens, oldest continuously operated gardens of this type in the U.S., were founded in 1873 and include more than 4,000 species, organized in economic, systematic, and ecological groupings. Dr. George W. Parmelee is curator.

ANOTHER CENTER under the college is the Agricultural SEE GALLEY NO. 7

Marketing and Utilization Center. It was set up to provide more effective research, extension and teaching in the handling of agricultural products between the farmer's gate and the consumer's kitchen.

Finally is the large program of the Cooperative Extension Service. In 1959-60, the service spent \$3,902,104 for educational programs in agriculture, home economics, 4-H club work and related fields.

This program is to aid people as individuals or as families, on the farm, in the business or in the home. It is supported jointly by the Federal Government, the State of Michigan, and individual counties.

THERE ARE 79 county offices serving all counties of the state. Campus based specialists from 23 departments of five colleges make university research available to district and county personnel and individuals.

The first Farmers' Week was held in 1914 to bring together rural people at a central location at the University. Since that time, Farmers' Week has attracted more and more young and old farmers who desire more knowledge in the agriculture or home economics fields.

Science Is:

The earth beneath us is not as it always was. Through millions upon millions of years it has changed profoundly. Probably no trace remains of the original crust of rock formed when the planet first solidified from a fiery cloud of gas. Continents have arisen and disappeared again, the seas once covered vast areas of what is today dry land, whole races of plants and animals have sprung up and at last given way to new forms: H. H. Swinerton.



Dr. Maynard Miller explores an Arctic Glacier.

Arctic Snows 'Cool' Study

One of the most active field researchers and outstanding teachers at the university is Dr. Maynard M. Miller, associate professor of geology.

Miller, who could be dubbed a "cool" researcher, is a specialist in geomorphology, glacial geology, glaciology and polar geology.

To be more explicit, he studies ice caps, glaciers, snow fields and Arctic weather in relation to the earth.

IN 1954, MILLER was selected as one of America's 10 outstanding young scientists by the U.S. Junior Chamber of Commerce. He has led more than 30 expeditions to 54 countries, and spent 16 summers camped on a glacier in Alaska. Miller is presently engaged in several studies dealing with glacial movements, climate and temperature changes and studies to aid man's landing on the moon.

THE NEW INSTITUTE was founded by the geology department, the Juneau Icefield Research Program and the Foundation for Glacier Research.

Miller is also working with a group in the department which is studying conditions similar to those found on the moon's surface in government classified, secretly located, "outdoor laboratories."

These "laboratories" duplicate conditions on the moon, high elevations, craters, and steep terrain, as nearly as possible to study conditions of lunar exploration.

Upon his return from the Arctic in 1960, Miller predicted a return of "good-old-fashioned winters" with extremely cold temperatures within the next five years.

"THIS IS NOT SPECULATION," he said. We found the clues in increased precipitation, increased stormy conditions and the general rise in temperature that can be measured over long periods.

His studies of the mechanics of the movements of the Taku glacier in the vicinity of Juneau, Alaska, produced these conclusions.

Miller has also done petroleum geology for Gulf Oil Corp. and directed Arctic geological research projects on governmental contracts.

He lived one entire spring on a 10,000 foot mountain in the Swiss Alps where he was a visiting staff member of the Swiss Federal Institute for Snow and Avalanche Research.

HIS EXCURSIONS in South America were on invitation from the governments of Chile, Argentina and Peru.

Miller received the S.B. degree in geology from Harvard University in 1943, the M.A. degree at Columbia in 1948 and the Ph.D. degree at Cambridge University in 1956. He studied as a Fulbright Fellow at Cambridge.

He came to this University in 1959 after serving in teaching, research and advisory positions at Princeton and Cambridge Universities; for the Office of Naval Research, the U.S. Air Force and Boeing Airplane Co., the Foundation for Glacier Research, the Lamont Geological Observatory and Gulf Oil Corp.

HE WAS THE RECIPIENT of Seattle's Leaders of Tomorrow award in 1953, and is a member of Phi Beta Kappa and Sigma Xi honoraries, the Michigan Basin Geological Society, Michigan Academy of Science, Arts and Letters, the Explorers Club (N. Y.), Alpine Club (London), the American Society of Mining and Metal Engineers, and others.

Frogs Assist With Tumor Research

Separating tumorous tissue may not seem appealing, but it may someday lead to future developments in medicine.

One of many research projects under the direction of Dr. John R. Shaver, professor of zoology and acting department head, the dissection of frog tumors may help to reveal how tumors are transmitted.

Although not directly for the cancer research program, the project is sponsored by an American Cancer Society grant, with general aid from the Michigan Cancer Society.

Shaver explained that the goal is to discover how a specific tumor, the kidney tumor of a frog, is transmitted.

Genetic and environmental factors are being considered and the attempt is being made to disentangle them, Shaver said.

The development of the tumor is traced through the life

history of a frog, he explained. The egg is injected with an agent assumed to cause tumorous growths and the frog is observed at intervals.

Speculating about the transmission of the tumor, Shaver said:

"It is probably a tumor that is associated with a virus."

He mentioned several observers who have reported a virus-like or viroid body associated with these and other tumors.

"In my mind," he said, "many varieties (of tumors) have these agents."

Shaver joined the staff in 1956. He received the A.B. and Ph.D. degrees from the University of Pennsylvania. He has authored several journal articles and is a member of the American Society of Zoologists, Growth Society, Sigma Xi and a corporation member of the Marine Biological Laboratory, Woods Hole, Mass.

Science Writer Teaches About Writing, Heavens

James E. Stokley, associate professor of journalism, is the author of several books on astronomy and related sciences.

For 15 years, he was a writer on the General Electric Co. staff. He also wrote for Science Service.

Stokley was the director of Buhl Planetarium and Fels Planetarium. He is a member of the Institute of Popular Science, the American Astronomical Society, the National Association of Science Writers and the Franklin Institute.

He received his Masters degree from the University of Pennsylvania and honorary Doctor of Science degree from Wagner University.

As an author and a teacher of astronomy and science and technical writing, Stokley toured Japan this summer in a Science Writers exchange program.

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Science Aids Popular

Students, Outsiders Use Museum, Library

Two educational aids of science on campus stand apart from instructional departments, and yet contribute much to the knowledge of those who use them. A third is in the planning stage.

The Museum and the Library are centers of activity and culture, open to students, faculty and guests of the University.

And in conjunction with the Museum, the Development Fund office is instituting a drive for a third aid; a Planetarium with a program that would be unequalled educationally, promotionally and operationally.

THE MUSEUM, under the direction of Rollin H. Baker, is

built on the south side of the Museum, according to Robert C. Toll, director of the Development Fund.

THE LIBRARY contains more than 825,000 volumes and 4,000 maps with a capacity of 1,000,000 volumes. It receives

See related picture on page 5.

more than 9,000 periodicals and is adding about 50,000 volumes each year.

The seating capacity of the Library is 2,000 and the total circulation in 1959-60 was 521,100.

The science department of the Library contained 106,011 volumes and 3,000 periodicals (titles) in June.

HANDBOOKS of science, textbooks, journals, manuscripts, theses and dictionaries are only a sample of the types of books available in the science section of the Library.

The Museum has three floors of display for students, off-campus visitors and grade school children. On those floors are 187 exhibits of science and history.

Open from 8 a.m. to 5 p.m. weekdays, and from 1 to 5 p.m. on the weekend, the Museum attracts thousands each year.

OUTSTANDING features of the Museum are those of the evolution of life, the ecological displays, the history of American peoples, histories of other countries and the animal displays.

If the alumni of this University reply as enthusiastically to the call for help as is hoped, an exciting, \$300,000 Planetarium will be added to the Museum building as an educational attraction for the whole family.

THE TOTAL cost for the equipment used to project the stars and planets on the dome will be \$125,000. This projector, a Spitz model, can project the parade of the Sun, Moon and Planets across the projected sky which also changes with the season and latitude.



WHO'S BEEN EATING MY PORRIDGE?—This family of bears is only one of the life-like animal exhibits at the Museum.

Museum Curator Studies Old Fort Archaeologist Attributes Start to School, 'Hero'

A third grade interest in Indian lore and "hero worship" of a young scientist are the reasons one successful University professor took up archaeology.

Dr. Moreau S. Maxwell, professor of sociology and anthropology and museum curator here, attributes his interest of the past to his third grade studies and the "hero worship" of a young G.E. research scientist who enjoyed archaeology.

AN ARCHAEOLOGIST, you will remember, studies the life of ancient peoples, generally through the excavation of ancient population centers.

Maxwell explained that he

was attracted and fascinated by this hobby of collecting and classifying artifacts that the scientist had exposed him to.

He explained that, although he has had the opportunity to leave the field, and has on occasion, he enjoys the work of an archaeologist and considers it an avocation as well as a vocation.

AN ACTIVE FIELD EXPLORER, Maxwell and his associates have worked on the excavation of Fort Michilimackinac, at Mackinac City, Mich., for the past three summers.

See MAXWELL, page 5



BIRDS FOR THE SCHOOL?—Most species may be found in the Museum.

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WELCOME BACK TO MSU STUDENTS!

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Paleogeologist Here



NEW GEOLOGIST—Botanist studies fossil and modern plants.

Fossil Plants Will Undergo Studies Here

A well-known geologist-botanist joins the staff this fall, leaving the position of Research Group Supervisor of Pan American Petroleum Corporation.

Dr. Aureal T. Cross will fill a teaching position in the Geology Department.

Cross, with degrees in both geology and botany, is trying to unravel one of nature's secrets by the study of fossil pollen together with modern plant.

Scientists believe that vast supplies of oil lie undiscovered beneath the earth's surface. Fossils of plant and animal life are some of the clues to its existence.

Microscopic pollen and spores form the missing link in the search for this oil. Cross, with his training in both fields, is attempting to correlate past habits of these long-extinct plants.

Cross will serve the Botany Department in interrelated research with the Geology Department on several phases of this study.

Born in Findlay, Ohio, June 4, 1916, he received the B. A. degree from Coe College in 1939, and the M. A. and Ph. D. degrees in 1941 and 1943 from the University of Cincinnati.

Cross has authored 46 technical papers and has had three maps published.

Health Center Sees Students During Day

Olin Memorial Health Center is open to all students for medical, acute surgical, or psychiatric care.

The Center, open regularly Monday through Friday during the day and evenings and weekends for emergency cases, serves students taking seven or more credits.

Students are hospitalized under the care of Health Center staff physicians if they are too ill to attend classes.

Medical Program May Start Here

This University may have a medical program. This fact was revealed this summer by Dr. Richard U. Byerrum, assistant to the provost.

The curriculum will be equivalent to the first two years of medical school and would also be a basis for advance degree work in the biological sciences.

A detailed study was made to find the need for such a program early in the year.

The University of Michigan reported that the need for a third medical school in the state was great.

The U of M report gave Grand Rapids preference over Lansing as a possible site however.

The report also stated that in 1959 Michigan's active doctors was below the national average by 16.4 per 100,000 persons, or nearly 14 per cent lower.

Engineering College Has Many Projects

Research Laboratories In All Buildings Facilitate Studies in Other Areas

The College of Engineering was established in 1855 with the creation of the mechanical engineering curriculum. It presently includes seven engineering departments, a research division and a computer laboratory.

Dean John D. Ryder heads the college over the departments of: agricultural engineering, applied mechanics, chemical engineering, civil and sanitary engineering, electrical engineering, mechanical engineering, and metallurgical engineering.

A NEW COLLEGE of Engineering plant on the south campus is underway at a cost of \$4,000,000 for the first unit.

The College maintains a Division of Engineering Research and operates the Computer Laboratory for the University.

Engineering students are trained in practice and application of scientific method, engineering procedures, and experimental work in several fields. Programs are as broad as possible while still offering a high degree of specialization.

KEEPING PACE with the demands of the space age, the curriculum in electrical engineering requires a junior student today to have as much mathematics as was required for the master's degree 30 years ago.

In connection with this interest, staff and students built a high-speed digital computer (MISTIC—Michigan State Integral Computer) which is available to the entire University.

The Division of Engineering Research, under the direction of John W. Hoffman, supports and conducts research bearing on fundamental engineering problems, as well as on the industrial problems of the state and those concerned with the safety and well-being of its citizens.

THE COLLEGE has its departments spread throughout several buildings. A few of them are Olds Hall, the Electrical Engineering building, the Agricultural Engineering building, Mechanical Engineering Laboratory, the Chemical Engineering building and others.

Each of these buildings contains research laboratories. Besides the Computer Lab there is the Structures Lab, Soils Lab, Automotive Lab, Applied Mechanics Lab, Hydraulics Lab, Electrical Engineering Lab, Chemical Engineering Lab, and the Metallurgical Lab.

Engineering Research assists or supports much of the research carried on in these laboratories.

THE SUCCESS of the research program may be measured by its effect on its graduate program and by the contributions which its staff makes to technical literature.

Last year, 38 senior staff members were engaged in research in varying degrees. And 67 graduate students were engaged on the various research projects.

Some of the projects completed last year were: Aero-

Representatives of many departments will pool scientific experience and equipment in this general area. Activities of the group should increase this fall term.

Approximately 42 authors or co-authors published 53 engineering papers or books during the 1960-61 school year. These ranged from traffic engineering by computer to missile stability theory.

ENGINEERING departments granted 66 Masters degrees, 27 with thesis, and 13 PhD degrees. These were also done on engineering research.

Each spring, the Engineering Exposition entertains students and guests with models and displays illustrating scientific advances and the part played by engineering education.

With headquarters in Olds Hall, the Exposition features midget auto races, industrial displays and student display contests.

Research Studies

(continued from page 2) ed areas, and numerous other studies.

Other projects at the University include: Cancer research, atomic energy studies, agricultural research, animal and plant studies, engineering projects, chemical research, geological surveys, food and health studies, psychology research, studies on microorganisms, space studies, mathematical research, and on and on.

Conservation of natural resources involving water, oil, food production and nuclear power are only a few additional forces prompting research.

EXPOSITIONS AND FIELD STUDIES are carried on in nearly every science department. Research centers are springing out of the need for more facilities.

The Biological Research Center, not two years old, will soon be replaced as the newest such center. Engineering laboratories are being constructed not far away.

There are also: the Graduate Research Center, the Biological Research Station at Gull Lake, the Engineering Research Division, the Agricultural Experimental Station, the greenhouses and horticultural gardens, the Museum, the Science and Mathematics Teaching Center, and the newly organized Glaciology Field Camp of the Geology Department, held on a glacier in Juneau, Alaska.

IT IS INTERESTING to note that the College of Veterinary Medicine has the largest number of significant research projects of any veterinary school in the country. Likewise, the College of Home Economics is considered among the top three in the United States in the quality of its research.

Maxwell

(continued from page 4) He and Professor Lewis H. Binford, of the University of Chicago, recently authored the first of a cultural series to be published by the University Museum on their excavation during the 1959 season.

The fort, which is being restored by the Mackinac Island State Park Commission, is being studied to give an accurate description of the original structure. Artifacts now on display at the museum date it from some time between 1715 and 1720, according to the book.

IN 1781 THE FORT was razed and all tangibles moved to the island, the book states. But travelers speak of seeing the ruins as late as 1914.

Maxwell has a split assignment at the University. He, as

search projects here, a high-speed digital computer, the MISTIC, is available for rapid calculations of great amounts of information; the result of another research project of the staff and students of the Electrical Engineering Department.

ONE MIGHT WONDER if discoveries and inventions are the property of a professor after working on the project.

The University has an agreement with the Research Corporation of New York for the evaluation of faculty inventions for patentability and for commercial and scientific utility.

If an invention is marketable, the inventor's share is 15 per cent of total royalties plus the first \$1,000 received by the University.

The University receives 50 per cent after deduction of inventor's payment and any cost involved.

The remaining 50 per cent is retained by the Research Corporation, a non-profit foundation which distributes its income as grants to colleges, universities and scientific institutions. Two research projects were sponsored here last year by the corporation.

Research, at this University and elsewhere, is a vital and important part of our advancing world. And, in the words of David Henry, president of the University of Illinois:

... THE FORMULA of needs in university research is simple. The universities need space, they need men, they need superior students.

This formula may be reviewed in the terms of published figures. At this University there are, in the fields of research, 52 professors, 48 associate professors, 40 assistant

almost all men in the profession, is teaching half time and working at the museum the other half. Very few archaeologists are working primarily at museums, he said.

When asked about educational requirements of the professional archaeologist, Maxwell replied:

"IT IS ALMOST IMPOSSIBLE to be an archaeologist without a Ph.D. There are some working with only an M.A., but with the assumption that they are going on."

Archaeology is only one of the five fields of anthropology.

"It is a small one and interesting because it is a close knit one," Maxwell said. He explained that most men of the profession know one another.

Maxwell has written books dealing with archaeology in Southern Illinois, the lower

Chemist Gets High Positions

Dr. Harold Hart, professor of chemistry, joined the staff in 1946 as an instructor. This year he was appointed to two high level positions in chemistry and science.

The well-known researcher and teacher was appointed to a three-year term on the Chemical Advisory Board of the National Science Foundation and to the National Academy of Sciences—National Research Council.

A native of New York, Hart received the B.S. degree in 1941 at the University of Illinois, and the M.S. and Ph.D. degrees at Pennsylvania State University in 1943 and 1947.

He is a member of several national organizations and honoraries and in 1960 he received the MSU Sigma Xi junior award for outstanding research.

Hart has published more than 50 research articles and is the co-author of a textbook and laboratory manual. He is also an editorial adviser for Houghton Mifflin Publishing Co.

professors, and 70 instructors and others; a total of 210, according to the "1961 Facts Book."

THIS SMALL NUMBER may be compared to the total of 1,511 faculty members employed at the University, excluding 303 staff members in extension and field programs.

Although research is "big business," it must be known that less than 12 per cent of the staff deals with research projects.



The Acoustic Emission experiment is one of many projects in one of several laboratories of the College of Engineering. (Seated is Prof. C. A. Tatro; standing is Paul S. Shoemaker.)

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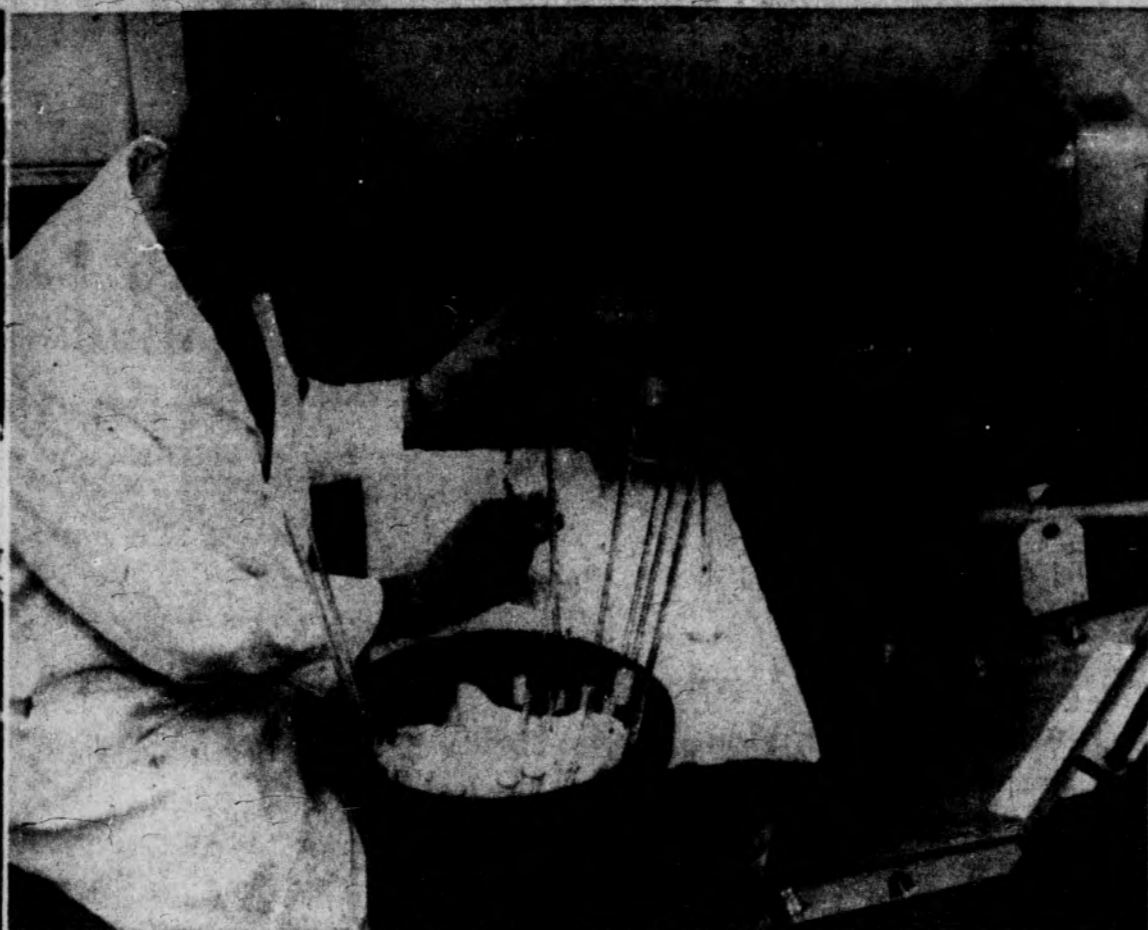
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A visitor, Marilyn Jack from Pontiac, admires the ripening tomatoes growing in a "Fertile Garden" in the greenhouse behind the Horticulture building.



This Biochemistry student studies chemical reactions of living cells.



Students work alone or together to learn body chemistry.

Science and Arts Offers a Liberal Science Program

The College of Science and Arts employs the largest teaching staff of any college at the University.

Under the supervision of Dean Lloyd C. Ferguson, the College is divided into five divisions: Biological Science, Fine Arts, Language and Literature, Mathematical and Physical Sciences, and Social Sciences.

TWO DIVISIONS, Biological Science and Mathematical and Physical Sciences, are directly related to the Science Section of this paper, and will be further discussed.

The Biological Science division offers training in botany and plant pathology, entomology, microbiology and public health, physiology and pharmacology, zoology and nursing.

Mathematical and Physical Sciences include chemistry, geology, mathematics, physics and astronomy, and statistics.

THE BIOLOGICAL Research Laboratory, the Kellogg Gull Lake Biological Station and the Science and Mathematics Teaching Center (under joint control with the College of Education) are also under the College.

The College of Science and Arts cooperates with the College of Education in the preparation of the secondary school teacher.

Dean of the College is Lloyd C. Ferguson.

THE COLLEGE supports a great many research projects and field explorations.

In the Division of Biological Sciences, for example, recent developments in quantitative and experimental biology have added new dimensions to biology. They have led to new and thoughtful interpretations in the classical disciplines of descriptive biology.

The W. K. Kellogg Biological Station at Gull Lake offers unusual opportunities for both summer class work and field research in the various branches of biology.

MANY FACULTY members of the Division hold appointments in the Colleges of Agriculture and Veterinary Medicine.

The Division of Mathematical and Physical Sciences gives students the opportunity to study the realms of the physical or chemical, of the earth around them, or the theory and practice of numbers.

The study of earth sciences, in the Geology Department, includes planned field trips to rock outcrops in Ohio or Canada or the Arctic glaciers in Alaska.

MATHEMATICIANS, on the other hand, deal with numbers which seem to have begun in the far distant past, with the ancestry of man.

Chemists probe the elements, producing drugs and materials which make the world a better place in which to live.

Dr. Wolterink

Dr. Lester F. Wolterink, professor of physiology and pharmacology under the College of Veterinary Medicine, came to this University in September, 1941.

He received his A.B. degree from Hope College in 1936 and his M.A. and Ph.D. degrees from the University of Minnesota in 1940 and 1943.

Wolterink was at one time an associate physiologist with the U.S. Atomic Energy Commission.

He is a member of the American Association of University Professors; Sigma Xi; Michigan Academy of Science, Arts and Letters; American Association for the Advancement of Science; Poultry Science Association; and the American Society of Zoologists.

He has written many articles for professional journals.



Natural Science and the sciences in the College of Science and Arts are reflected in the microscope.

Home Economics Offers a Broad Home Education

The College of Home Economics here is one of the largest in the United States.

Students in the College are educated in the science and art of home living and are prepared for careers in home economics.

For more than 60 years, the College has taught home economics courses and is a leader for the educational program it offers.

It offers training in foods and nutrition, child development, clothing and textiles and home furnishings as well as general home economics.

Home economists are bachelor degree holders and serve in many ways to improve the quality of home living through modern thought and practice.

The College is headed by Thelma E. Porter, dean. The Home Economics building is located just east of the Union building.



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Biochemistry Dept. for Research

Biochemistry was formally recognized by the establishment of a separate department on campus this year.

The department, under the direction of Dr. R. Gaurth Hansen, is dually supervised by the College of Agriculture and the College of Natural Science. It was conceived from the department of agricultural chemistry and the biochemistry section of the chemistry department.

According to Hansen, biochemistry is:

"AN ATTEMPT to apply the principles of chemistry to an understanding of biology, or reactions of cells."

More than 25,000 different chemical reactions are required to support the living cell, said Hansen.

Although taught and studied in a number of departments here for many years, the University, after a late start, recognized the potential of the new field.

BESIDES HANSEN, there are 16 biophysics instructors, 15 taken from agricultural chemistry and chemistry and one new to the staff. Hansen has been head of agricultural chemistry.

The department was originally planned for graduate courses and research, but many students have shown interest at the undergraduate level. Hansen said. This may lead to the setting up of a major for undergraduates.

INSTRUCTORS from the department are spread out in

four buildings. The third floor of Kedzie, the basement and the second floor of Food Science Laboratories, the third floor of Horticulture and the third and fourth floors of Agriculture are being used.

Presently there are 300 undergraduates and 70 graduate students taking biochemistry courses, Hansen said.

Current areas of major research in the department include photosynthesis; enzymes and intermediary metabolism; nucleic acids, amino acids and proteins; metabolism and nutrition of microorganisms; genetic control of protein synthesis; carbohydrate and lipid metabolism, nutrition of animals; and chemistry of natural products.

NINE NEW laboratories have been added to existing facilities within the past three years, all of which are well-equipped with the newest instruments for research in modern biochemistry.

Specialized items of equipment are available for all types of electrophoresis, chromatography, fractionation, and the detection of radioactive isotopes.

A small animal laboratory, greenhouses, and growth chambers provide extra help for research.

The staff in the Department of Biochemistry are specialists in the fields of bacteriology, biochemistry, zoology, chemistry, and microbiology.

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One of two elephant skulls on exhibit at the Museum along with many other displays.

New Biophysics Program To Begin October 1st

A biophysics program will be instituted at this University this fall. It will begin upon the arrival of a noted biophysicist from New York.

Dr. Barnett Rosenberg leaves N. Y. University and will join the staff here on Oct. 1. With him comes the realization of a plan at this University to institute a program of biophysics.

BIOPHYSICS IS an interrelated field connecting studies of physics to the life processes.

Rosenberg's field of special interest is "Electrical Charac-

teristics of Biological Materials."

In connection with the program, a survey has revealed that 20 staff members in 13 different departments might be considered as doing research wholly or partially in the field of biophysics, according to Dr. Herman L. King, director of Biological Sciences.

THE PROGRAM will conduct work in the basement of the new Biological Research Center, for which Rosenberg has already ordered laboratory fur-

niture and equipment.

"We hope to have some or all of it installed by Oct. 1, when Dr. Rosenberg arrives," King said.

Rosenberg has asked for three graduate assistants to begin duties Jan. 1, 1962, said King. Potential applicants may think about applying for the positions early.

The program will be under the direction of King, as director of the Division, and Dean Lloyd C. Ferguson, of the College of Science and Arts.

Veterinarians Practice Doctoring During School

Giltner Hall, hospital for small animals, serves about 8,000 animals yearly.

The College of Veterinary Medicine is one of the top three in the nation. Iowa and Cornell are the other two.

The College engages in the actual practice in its small animal shelter and on "house" calls via three radio-equipped cars.

Besides the 8,000 small animals, veterinarians take care of 2,700 large animals in a year. The Farm Service program takes care of another 16,000.

The College is organized in five departments and a school. These are anatomy, microbiology and public health, physiology and pharmacology, sur-

gery and medicine, and veterinary pathology, and the school of medical technology.

Headed by Dean Willis W. Armistead, the College has the largest graduate enrollment in the nation, and the largest number of significant research projects of any veterinary medicine school in the country.

Though not established as a College until 1910, it dates from the 1880's when people with training in the subject were added to the staff.

The College offers two curricula to undergraduates: the veterinary curriculum leading to the degree of doctor of veterinary medicine, and the medical technology curriculum leading to the degree of bachelor of science.

The medical technology curriculum is designed to train students for laboratory work in bacteriology, pathology and biochemistry. During the Senior year, students gain experience as interns in approved laboratories.

There is a complete veterinary hospital, with medical, surgical, and X-ray facilities for both large and small animals in the College. There is also a 125-acre research farm where the diseases of all classes of livestock and poultry are studied.

The program provides an excellent basic medical education and training in diagnosis, disease prevention, medical treatment and surgery.



Veterinary Medicine students operate on a cat.

Cyclotron

(continued from page 2) inch magnet and will accelerate protons and heavy ions.

CONCERNED MAINLY with the 40 MEV class, they are also working on adaptations for the 75 MEV class.

The process has been made almost automatic for speed and accuracy. A voltmeter controls a milling machine which moves the measuring device in the magnetic field. It also activates a machine which records in-

formation on punched cards. These cards are run in MISTIC (Michigan State Integral Computer), which computes the orbit of the particle.

THE ORIGINAL PROPOSAL, which was submitted in November, 1958 to the Atomic Energy Commission, has had several slight changes which are listed in each addendum. Reports of activities are presented by the cyclotron group at irregular intervals. These reports are mailed to all countries doing research on cyclotrons; including Russia, Switzerland, Japan, Germany and England.



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The Rev. John F. Porter
The Rev. Robert C. Gardner
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8. EAST LANSING UNITY ASSOCIATION
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The Rev. George Jordan
ED 2-0980

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Rev. Wallace Robertson
The Rev. Roy J. Schramm
The Rev. Marion Simms
The Rev. Joseph Porter
Dr. N. A. McCune, Emeritus
ED 2-5073

4. RELIGIOUS SOCIETY OF FRIENDS
College House
148 W. Grand River
Dr. Harrison Hunt, Advisor
ED 2-0861

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The Rev. William R. Hartman
IV 2-8419

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ED 7-0893

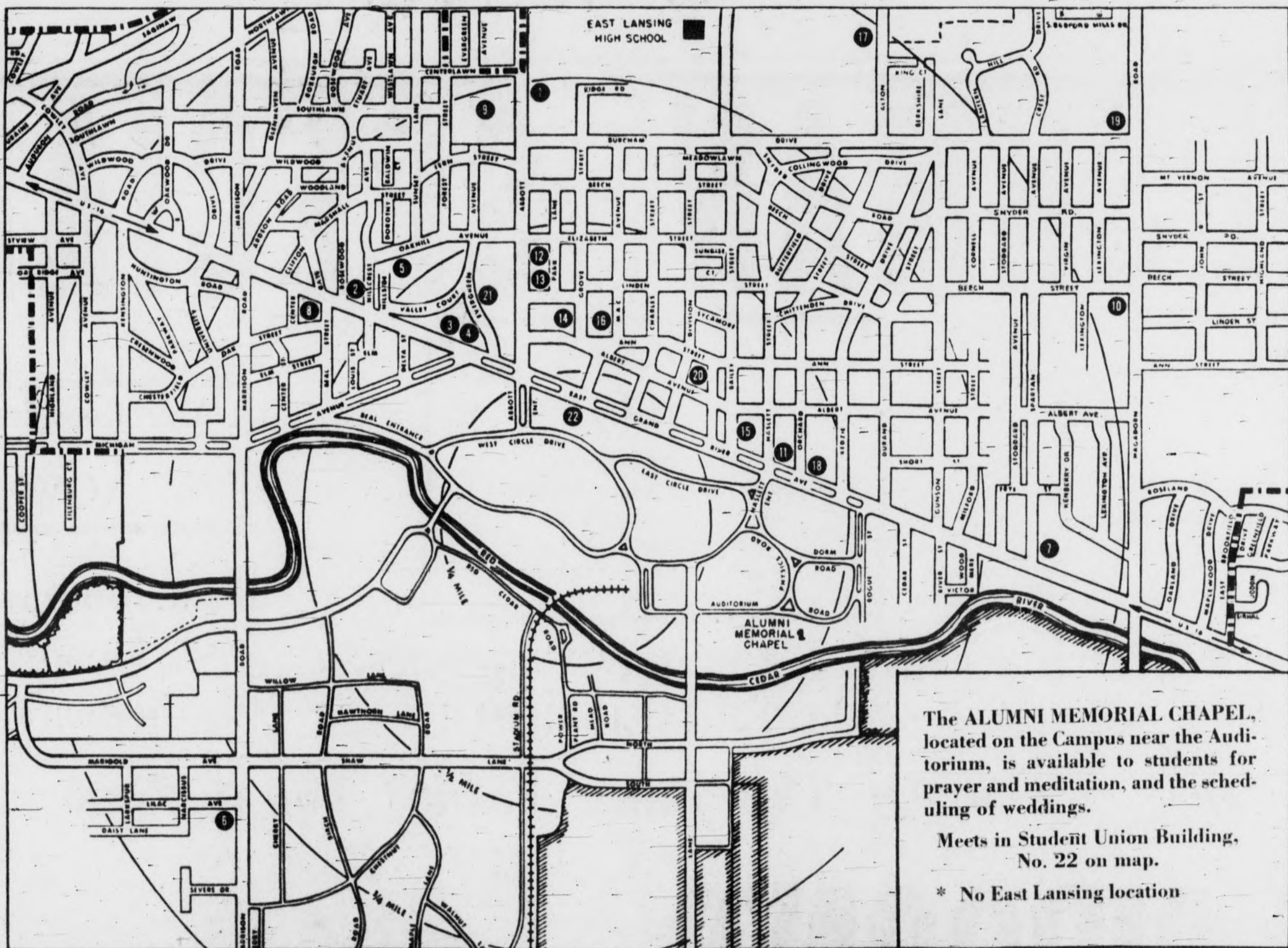
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IV 410550



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J. V. MacEachin
Fr. William Fitzgerald
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ED 2-1916

18. SPARTAN-CHRISTIAN FELLOWSHIP (Inter-Varsity)
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Dr. C. Cleone Morrill
ED 2-1437

3. CHRISTIAN SCIENCE ORGANIZATION
Chapel of Peoples Church
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Miss Mary Gephart, Advisor
ED 2-3748

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ED 2-0062

4. CHRISTIAN STUDENT FOUNDATION
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To Train For Peace Corps Here

Thirty-five Trainees To Begin Fall Term Study

Thirty-five men and women began training at MSU on Sept. 3 as candidates for Peace Corps teaching assignments at the new University of Nigeria at Nsukka.

The project, twelfth to be announced by the Peace Corps, is the first in Michigan and the first in the nation in which the entire group will be assigned to a university abroad.

Training at MSU will continue through Nov. 13. The volunteers are receiving the first five weeks of their training on the East Lansing campus and the final three weeks at the University's Gull Lake facility at Hickory Corners, Mich. A week of home leave is planned for the volunteers during their training period.

Those selected for service abroad will depart about Nov. 22 for Nsukka, in Nigeria's Eastern Region, where they will serve for two years.

EACH VOLUNTEER chosen for assignment overseas will work as a teaching or research assistant in his field. The candidates finally selected will

Application forms and booklets containing detailed information of the Peace Corps program are available at the International Programs office, 403 Library, from 8 to 5 weekdays.

Any American citizen over 18 may apply. Although normal age limits are 18 to 45, older and retired persons may be accepted on the basis of special experience or other extraordinary qualifications.

serve at the University in English, mathematics, teacher training, vocational education, economics, political science, history, home economics, agriculture, guidance counseling, natural science, and social science.

MSU staff members familiar with the Peace Corps program say that although these candidates had no idea of their future assignment when they applied for the Corps, they will actually be among the most fortunate Corpsmen as far as the comfort and intellectual stimulation of their assignment is concerned.

Most of these Corpsmen will deliver lectures, conduct laboratory classes, and lead seminar and discussion groups. Some will assist in research projects, and one or two will work with the administration of the university.

Teachers and consultants for the eight-week program include

See PEACE CORPS, page 5

Around the World In Eighty Years

Around the world in 80 years: the story of the first land-grant agricultural college and its development into a university of international scope.

Since the first foreign student received his degree here in 1886, nearly 80 years ago, MSU has developed programs of educational depth throughout both hemispheres.

(See accompanying stories and pictures throughout this section.)

The Carnegie Corporation is supporting two of the programs through MSU.

Through a Carnegie grant, the Institute of Research on Overseas Programs has car-



LOOMIS

ried out extensive studies of overseas programs of all American universities.

Teams of investigators have been studying the impact and effectiveness, both at home and abroad, of projects in Europe, Latin America, Indonesia, India, Japan, Africa and the U.S.

A second program financed by Carnegie is a sociological study in the Mexican border area. Begun in 1954, the pro-

See EIGHTY, page 8



THE WARES OF THE WORLD are on display each year during the International Festival. In May, an estimated 6,000 students, parents and children came to view "Adventures Internationales" which included such displays as the Pakistan exhibit. Foreign students manning the booths each year are kept busy autographing programs and explaining their native arts and crafts to the hundreds of

school children who attend the festivals. Governor John B. Swainson, unable to be at the festival, telegraphed saying, "The annual International Festival at MSU promotes friendship and understanding among nations. Through such activities as this, peace, founded in justice, can be preserved."

China Has Own MSU Village

By KEUN YOUN
State News Staff Writer

Most of the students on campus might be familiar with the Spartan or University Villages, but probably not with the MSU Village.

MSU Village is not on the East Lansing campus, but is one of the thousands of Chinese villages in Taiwan—approximately 8,000 miles from here.

There are four families of MSU professors living in two different compounds: one located in Taipei, capital city of Formosa, and the other in Taichung, halfway down south to the island. People in nearby villages call it "MSU Village."

THIS IS one of the University's international projects in Taiwan.

The University is now leading assistance in the programs in vocational agriculture at National Taiwan University in Taipei and National Provincial University at Taichung through a three-year contract from the International Cooperation Administration (ICA).

Dr. Howard F. McColly, prof. of agricultural engineering, is the chief of the Taiwan project. Working with him are Irving R. Wyeth, asst. director of agricultural extension; Otis D. Meaders, asst. prof. of education; and Edward C. Miller, associate prof. of animal husbandry.

According to Dr. Maurice F. Perkins, coordinator of agriculture-foreign programs, their living accommodations are quite satisfactory and they send their children to local schools.

PRESIDENT John A. Hannah recently made an over-all inspection tour of MSU Village in Taiwan.

One of the main purposes of this project, Perkins said, is to provide enough facilities and technical advisers in the field of university teaching in agriculture and related subjects to agricultural colleges in Taiwan.

"We are not teaching them," Perkins said, "but we are merely helping in developing

course work, assisting the plans in the curriculum of the department, organizing plans for research and also advising on extension programs for agriculture."

Each year six agricultural experts from both national universities come to Michigan State in seeking to improve their training under the faculty exchange program.

PERKINS ALSO pointed out that the Nationalist Chinese government is sponsoring a program which supports students studying in agriculture here.

One research project on south-east Asia, Perkins indicated.

See CHINA, Page 2

Beardless 'Revolution' On Campus

International Challenge, New University Problem

By DUDLEY MAYNARD
State News Staff Writer

Welcome to the revolution. You won't be issued a uniform and don't have to grow a beard. But when you registered here you became part of this revolution.

MSU began its career as a revolutionary institution in 1857 as the pioneer land-grant college.

Now, to meet the threat to our society from the Communist bloc, MSU has become a leader in extending the philosophy of the land-grant system to international education.

No longer the farmer's "silo tech" teaching only agriculture and mechanic arts, MSU has refined the old subjects and expanded into an institution training graduates for both domestic and international work.

THE land-grant approach emphasizes not only academic teaching, but also research, extension and the use of university resources to serve the needs of all people.

In keeping with this, MSU has extended its activities around the globe to "help other people help themselves," as President Hannah has said.

For more than ten years MSU has been participating in formal programs around the world.

Nine major technical assistance projects are now being carried out by MSU through agreements with foreign governments, the United States International Cooperation Administration, other government agencies and private foundations.

AN INTERNATIONAL dimension in every department on campus has also been evolving so graduates will be better equipped to understand and operate in the international society.

No longer is the U.S. an insular society. Cross-cultural exchange influences the affairs of every citizen and shapes our society. Whether he is aware of it or not the student is under the influence of international forces.

The international dimension of the United States' responsibilities has increased and MSU has kept pace by becoming an international university.

The hub of the international activities here is the office of International Programs. Under the direction of Dr. Glen L. Taggart, Dean of International Programs, the many foreign activities are administered and coordinated.

"If I were to point my finger at a glaring weakness of

See JAPANESE, page 6

See REVOLUTION, Page 3



TAGGART

sity to serve the major needs of our own people, he said.

Among the major issues of our society are the problems in relationships with other nations.

To meet the needs of our times we have met the world revolution of ideas since World War II with a revolution of international activity at MSU.

See SEMINARS, page 8

Seminars Help Internat. Relations

By DEL BAGNICK
State News Staff Writer

This university plays a large role in the serious problem of international relations.

Of primary concern in this area is communication; and MSU, in conjunction with the International Cooperation Administration, has established a seminar program to assist

those affiliated with the project. Among other objectives, the ICA arranges technical and administrative training for foreign nationals here in America.

"A big problem underlies this training. Some of the trainees are highly impressed by our technological advancements. Too much so," remark-

ed Dr. Huber Ellingsworth, director of the seminars.

He explained that the trainees view the advancements of our country and some wish to return and immediately advance their homelands to America's living standards through use of the book knowledge they have gathered.

Michigan State's Seminars

on Communication have the task of telling them they can't do this. At least not on any short-range basis, he said.

A MAJOR factor that the trainees usually overlook is their home cultures. A whole people will not be changed overnight. They will, in fact, resist change, he said.

See SEMINARS, page 8

MSU Has Most Faculty Abroad

MSU for the second consecutive year led the nation's colleges and universities in the number of faculty scholars who were abroad, the Institute of International Education reported late this summer.

The Institute's annual survey showed that, during the 1960-61 academic year, 2,218 faculty members from 394 American institutions were on assignment in 92 countries. This was a 25 per cent increase in faculty abroad over the previous year.

The study showed that 10 per cent of the U.S. faculty members abroad during the year were from Michigan State.

MSU, a pioneer in international education, reported 222 faculty scholars abroad in programs supported by federal or private sources. The University of California was second with 161, and the University of Indiana third with 65.

MANY OF THE MSU faculty overseas were participating in

the University's advisory programs in South Vietnam, Okinawa, Brazil, Colombia, Costa Rica, Nigeria, Pakistan, Formosa, and India. Sponsors of these projects include the International Cooperation Administration, private corporations, foundations, the national governments concerned, and the U.S. Department of the Army.

Other schools with more than 30 scholars abroad included Cornell, Illinois, Columbia, Chicago, Michigan, Minnesota, Yale, Ohio State, State University of New York, and MIT.

Even though the total U.S. faculty members abroad showed a substantial increase over the last year, the survey pointed out that there are still more foreign faculty reported at U.S. institutions than U.S. faculty members in other countries.

Of the total 2,218 abroad, the IIE survey noted that 1,202 (54 per cent) were on assignment in Europe, 368 (17 per cent) in the Far East, 230 (10

per cent) in Latin America, and 200 (9 per cent) in the Near and Middle East. There were 116 persons from the U.S. in Africa—twice as many as in the previous year.

THE INSTITUTE also listed MSU as one of the U.S. institutions with more than 400 foreign students. Official figures were 562 students, or 2.6 per cent of total enrollment at East Lansing.

Early in September, MSU estimated that 500 foreign students would be re-enrolling this term, plus an apparent total for new admissions of 375 foreign students.

Last year, MSU stood 14th in the nation in foreign student enrollment. Including Ann Arbor's 1,500 foreign students, as well as others at smaller colleges and universities in the state, Michigan ranked third in the nation in state foreign student population, after California and New York.



HOUSE OF BAMBOO—Brigadier Gulzar Ahmad, former chief administrator of the Village-AID program to Pakistan, inspecting native workers making a bamboo frame for a thatched roof.



PREMIER of the Eastern Region of Nigeria, Dr. Nnamdi Azikiwe, and his minister of education, O. G. Okeke, joined two young Michigan farmers in an MSU wheat field to look over the wheat varieties when they visited here.

AUFS Analysts To Visit Here During Year

Four expert analysts of international affairs will visit the campus again this year as representatives of the American Universities Field Staff. Economist Edward A. Bayne, on campus Oct. 23 to Nov. 1, is a specialist in Mediterranean affairs, residing most recently in Italy. He has been writing and lecturing on Italy, Iran, Israel, and European integration since joining AUFS in 1953. Charles F. Gallagher, at MSU from Jan. 22 to 31, has a background in North African languages and history which has been supplemented by residence in Morocco since 1956 and travel throughout North Africa.

Political scientist Reuben Exodin, here from April 16 to 23, has been working in sub-Saharan Africa since 1959, when he established his base of operations in Nigeria.

K. H. Silvert, also a political scientist, will be the last AUFS visitor this year, from May 14 to 23. Silvert concentrates on Latin American affairs, with particular emphasis on Central America, and on the extreme southern group of Argentina, Chile, and Uruguay.

The University is one of a dozen schools which contribute to the AUFS program, maintaining 14 scholars and journalists in specific area assignments abroad for research and writing on political, economic, and social developments.

Each year, four of the AUFS experts return to the U.S. to tour the member schools and present up-to-date information in university classes and public addresses.

At MSU, the appearances of the AUFS lecturers are coordinated by Prof. Lawrence W. Witt, professor of agricultural economics. In addition to meeting classes and seminars in their area of specialization, each speaker is presented in a public address sponsored by Delta Phi Epsilon, professional fraternity for diplomacy and international trade.

An important service of AUFS is its reports series which furnish continuing insights into changing conditions in the areas where AUFS staff members are located.

Information on distribution of AUFS reports may be obtained from Prof. Witt, at Ext. 5-1696.

China

(continued from page 1) cated, has already been developed by the department of agricultural engineering under the mutual association between the two countries.

"One of the technical problems involves the use of mechanization in agriculture on small-sized and low-income farms in south-east Asia—the problems of how this mechanization can be applied in intensive farming — where the rice is the staple product of these countries," he said.

"That's why we are over there helping them and undertaking some research in this problem, and at the same time, our college is very much interested in this field of study."

There is a mountain of onyx worth \$3 million at Meramec Caverns, Stanton, Mo.



"CANNED MUSIC" provided by Bluestein's steel band on instruments made from the bottoms of old oil drums, had the entire cast of the 1961 International Festival dancing on stage. The Bamboushay Steel Band from the Virgin Islands was only one of many groups which provided the auditorium's capacity crowd with hand-clapping native

rhythms from around the world. Provost Paul A. Miller, who welcomed the group, said, "The International Festival represents the annual symbol of the University's dedication to international affairs, problems, hopes and aspirations."

Deutschmann

Does Costa Rican Research Projects

A communications research project to determine the effect of training in the United States on foreign students is being conducted by Dr. Paul Deutschmann, head of the communication research center, in Costa Rica.

Deutschmann, who has been granted an 18-month leave of absence to conduct two studies, was scheduled to return to Costa Rica this month to try to determine if there is a difference in attitudes between the students who came to this country and studied and those who remained in Costa Rica.

He had been studying the effect of the mass media on the population of Costa Rica.

The first project was sponsored by the Rockefeller Brothers' Institute and the second by the Ford Foundation.

Dr. John T. McNelly, communication arts, has also been granted a leave of absence to



DEUTSCHMANN

assist Deutschmann in the projects. He was scheduled to arrive in Costa Rica this month. Deutschmann has been on the teaching staff since June, 1955.

MSU's Campus UN To Intensify '62 Program

The Campus United Nations, only college organization in the U.S. to hold model UN sessions throughout the school year, is completing plans for its third year of activities.

In a change from meeting frequently in previous years, the group will meet three times each term in 1961-62. Officers also plan greater emphasis on coordination with other Midwest collegiate conferences, expecting to send delegations to sessions at Ohio State, the University of Wisconsin, and the University of Minnesota.

An intensified membership program, beginning during registration, is planned to fill existing vacancies in the 90 member nation delegations in the General Assembly.

American and foreign students interested in membership in UN delegations may obtain information at Room 312 Student Services.

Current UN officers include:

Secretary General Nirmal Singh, graduate student from India; President Wallid Khaduri, junior from Iraq; Vice President Mike Kreke, graduate student from Germany; Second Vice President Alan Kirton, graduate student from New Zealand; and Treasurer Roger Berg, Palatine, Ill., junior.

The organization's second annual intercollegiate conference will be held here in February. Campus UN will also continue its affiliation with the national American student organization, Collegiate Council for the United Nations.

A number of years ago a MSU chemist accidentally spilled a boiling solution on a cloth. A new, waterproof dye was discovered as a result; an accident that paid off.

Foreign Student Study Shows Inadequacies Of Educational Facilities

American colleges and universities provide more attention and services to foreign students than do similar institutions in any other country.

This indication comes from Homer Higbee, assistant dean of international programs here, who has conducted the first comprehensive nationwide study of foreign student advising in the U.S.

"While great effort is being expended in behalf of foreign students in the Soviet-bloc nations," Higbee said, "the information available indicates that it nowhere approaches what is being done in the United States."

The Soviet Union has created special facilities and even special institutions for foreign students, he pointed out, but noted there were only some 9,000 foreign students in Russia compared with 44,536 in the United States during the 1960 academic year.

HIGBEE emphasized that while foreign student programs in America are doing a great deal, there are weaknesses.

Too little knowledge of the English language and insufficient funds, he said, are the major problems facing foreign students at American colleges and universities.

The student from abroad is viewed with mixed feeling by American institutions, he noted. Some schools lionize foreign students, some accept them routinely while others accept them with reservation.

Higbee's study, made for the National Association of Foreign Student Advisers under a grant from the Dean Langmuir Foundation, covered 1,365 institutions of higher learning.

His year-long project included questionnaires to 1,073 foreign student advisers or their equivalents, questionnaires to a selected sampling of foreign students, and 220 personal interviews with presidents or top administrators at 43 colleges and universities.

"There is urgent need for the establishment of additional English language centers in the U.S.," Higbee reports. He said that while many advisers and their supervisors lack clear decision about the treatment of foreign students, "not one president interviewed failed to indicate his concern about the

able for teaching students from some Asian and new African nations.

Money problems of the foreign student follow closely behind language problems as a matter of concern to those interviewed in the survey.

Many foreign students enter universities with insufficient financial resources and, when once enrolled, it is difficult to ask them to leave, many school officials reported. Higbee noted a trend toward more rigorous screening of foreign students for adequacy of financial resources.

Higbee believes the universities are "growing up" in their abilities to handle foreign students, even though much remains to be done.

He said institutions have devoted considerable resources to foreign students but added there has been a tendency to let foreign student matters operate in isolation from the total university program.

"PRESIDENTS and their top academic and non-academic staffs in higher education must be continually appraised of the demand for an international dimension in education," Higbee emphasized.

He also underscored the need for educators to become more familiar with foreign educational systems and standards to take some of the guesswork out of evaluation of credentials.

"Too many students select an institution on the basis of its name or scholarship aid program without regard to the

See FOREIGN, page 8

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'Revolution'

(continued from page 1)
The responsibilities of this office also include the development of on-campus programs to prepare personnel for foreign service in government, business, industry and education.

Through a Ford Foundation grant a study has been made to evaluate the present foreign programs, chart long-range goals and to develop academic on-campus programs to directly utilize the competence gained by faculty who have served abroad.

IN 1951 THE University began its first foreign assistance program. Now, with some of the earlier projects finished and new ones developing, about seventy faculty members are located in foreign lands each year.

Their duties include teaching, advising and researching in agriculture, administration, the social and physical sciences, engineering and other fields.

Expenditures for the foreign programs this year will be in the neighborhood of three and one-half million dollars, according to Taggart.

At the University of Colombia, South America, MSU maintains two faculty members to help in the development of two agricultural colleges.

Working with the staff of the University of Colombia, as many as seven MSU personnel have acted as advisors and teachers in starting colleges at Medellin and Palmira, Colombia.

THE PROJECT started in 1961. Many of the present Colombian faculty members have studied at MSU and other American universities as part of the program.

An agricultural experiment station and extension programs are also part of the college development program.

In the summer of 1960 MSU faculty members played an important role on a special commission which looked into the over-all prospects for higher education in agriculture in Colombia.

Programs in Colombia have been sponsored by the International Cooperation Administration and the Kellogg Foundation.

In 1955 MSU sent a technical assistance group to Saigon, Viet Nam, at the request of the Government of that new Republic.

THIS GROUP, at one time numbering over 50, is the largest in size and scope of operation yet handled by the University.

With a staff of four, the program is now in its fade-out phase. The program has been supported by the International Cooperation Administration and ends in June of 1962.

Programs in Viet Nam include technical assistance in the fields of public and police administration.

MSU staff members helped establish training institutions, in-service and research programs, assistance in administrative improvement and development of a public administration library.

The National Institute of Administration (NIA) is the focal point of the public administration developments.

The NIA, which has acted as a training center for civil servants, now includes a night school with an enrollment of 600, a three-year degree program for 200 students, research and in-training divisions, a modern library and sponsor-

ship of a new public administration professional society and journal.

The NIA also picks candidates for a program to bring Vietnamese to the U.S. for work on advanced degrees.

THE POLICE administration developments include a National Police Academy and a staff officers' training program at Saigon. MSU has also assisted on a consulting basis through training courses in identification, communications, weapons use and traffic control.

In the past, MSU faculty had done some teaching but now they function mainly as advisors with teaching positions being taken over by Vietnamese.

Program personnel have also done research work for the Viet Nam government on taxation and other administrative problems.

The MSU staff has even helped develop a new typewriter simplifying the keyboard needed to reproduce the many symbols used in written Vietnamese.

AT THE invitation of the government of Pakistan and the Ford Foundation, the University is helping to develop two college-level training academies for Pakistan's Village-AID (Agricultural and Industrial Development) program.

The Village-AID program is designed to help the people in such areas as agricultural production, sanitation and health, education, home economics and youth programs.

The two schools MSU is helping to set up are at Peshawar in West, and Comilla in East Pakistan.

Besides training leaders for the Village-AID program in the technical skills needed, basic Democracies program, a move by the Pakistan government to stimulate greater government participation at the community level, and training for the civil service generally are offered.

Faculty for the academies, which opened for classes in 1959, was recruited in Pakistan, London and the United States.

Some of the students training to become Village-AID supervisors and administrators are taking courses at MSU and make field trips in the U.S. to observe development programs at the administrative and community level.

SOME OF THE Pakistani faculty members have taken special training programs in the U.S.

Next door to Pakistan in India, MSU is beginning a project to aid two Indian engineering institutes, one at Poona, the other at Guindy.

Following a pattern similar to other projects, about nine of the MSU engineering faculty will go to India and several Indians will come here to work on advanced degrees.

The program is under the sponsorship of the International Cooperation Administration.

The Indian government is sponsoring a program to support students studying for masters degrees in engineering.

Both programs are aimed at furnishing more technicians for India's growing industrial sector.

MSU WILL help the Indian government establish teacher-training programs in engineering.

On Taiwan ((Formosa) MSU began a cooperative program with the College of Agriculture of the National Taiwan University at Taipei and the Taichung

Provincial College of Agriculture.

Starting in 1960 under the sponsorship of the International Cooperation Administration, the project calls for staff assistance in a variety of agricultural specialties.

The University will send about five faculty members per year to Taiwan. At the same time Chinese faculty will come to the U.S. for additional training.

At present six scholarships are available to Chinese for training here. In Taiwan, MSU faculty will help to strengthen the staff with emphasis on research development.

IN BRAZIL, MSU maintains three programs: A College of Business and Public Service in Sao Paulo; an expansion program extending education in business administration to several universities; and a new Brazilian Audio-Visual Education Center in Sao Paulo.

At the request of the Getulio Vargas Foundation of Brazil, named after a former Brazilian president, and the United States International Cooperation Administration, MSU began its first project in 1953.

This was a cooperative project in Sao Paulo leading to the establishment of the first Brazilian school of business administration.

Since its founding four to nine Brazilian faculty members have studied in the U.S. each year and returned to Sao Paulo to assume broader responsibilities in the School.

At the end of 1960, MSU had granted 30 Master of Business Administration degrees to Brazilian faculty members.

At the same time, MSU faculty members have acted as advisors and teachers at Sao Paulo. MSU faculty now teach only on the graduate level and like the other projects future plans call for turning over all the functions of the School to a Brazilian staff.

Fields represented by MSU staff include: economics, industrial engineering, financial administration, management, marketing, business law and personnel management.

MSU has also helped develop a library as part of the School. At present it is probably the most complete business administration library in Latin America.

The main emphasis of the school is to train teachers and future business executives. The School also offers special courses for businessmen in marketing and other specialized fields.

Over 500 Brazilian businessmen are now alumni of the School and business firms throughout South America now send people to study there. Present enrollment in the degree program is about 160.

IN 1958 the Brazilian government decided to expand education in business administration to several universities. Now the University of Rio Grande do Sul and the University of Bahia are receiving assistance from MSU and the School at Sao Paulo.

MSU has professors at each of the universities helping to train staff for their business administration departments. In 1959-60, the two universities sent 10 Brazilians to MSU to study.

Working cooperatively with education officials in Sao Paulo, MSU has also helped establish a new Brazilian Audio-Visual Education Center.

The primary purpose of the new center is to demonstrate on a regional level how audio-visual techniques can improve public education in Brazil.

Two major efforts of the center have been the training of teachers in audio-visual methods in the State of Sao Paulo and the production of audio-visual and text materials.

THE CENTER is already functioning as a technical training school for production of motion pictures and film strips. American films are also translated for use in Brazilian schools.

MSU presently has two advisors at the center working with 13 Brazilians. Future plans call for a sound engineer and three short-term consultants to be sent from MSU.

Audio-visual personnel see future use of the center in programs involving visual support for extensive literacy and fundamental education programs in Brazil.

The American Council on Education and the United States Army invited MSU to tackle another foreign project in 1951 and MSU became the "foster parent" of the newly founded University of the Ryukyus on the island of Okinawa.

MSU has maintained an average of five faculty members on Okinawa to work with the Ryukyuan faculty each year.

These staff members have been drawn from the social sciences, agriculture, home economics, business administration, education, engineering and languages departments.

THE UNIVERSITY of the Ryukyus has expanded from an enrollment of less than 500 to almost 3,000.

A third of its teaching staff has received training in the U.S. and several of the faculty members have completed or are approaching completion of their doctorates.

To date, more than 2,500 graduates have received their baccalaureate degrees.

The campus has developed from a few temporary buildings to an impressive university center.

Among MSU's most successful projects is the newly opened University of Nigeria. Under a contract with the International Cooperation Administration MSU has aided the Nigerian government in developing its first land-grant type university.

Formally opened on Oct. 7, 1960, the university's birth coincided with the independence celebrations of Nigeria. She was given her independence on October 1.

THE UNIVERSITY was founded in 1960 at Nsukka (pronounced en-soo-ka), then a drab collection of tin-roofed mud houses in a patchwork of yam fields.

Now the scene of an educational experiment of importance to all of West Africa, Nsukka has running water, electricity, telephone and postal service and a modern university campus.

Close to \$14 million will be spent on the new university's campus before it is finished. All the funds will come from palm-oil revenues of the eastern region government.

MSU's contribution to the university has been to assist the Nigerian government in planning the organizational

structure, curriculum, research and extension services and planning immediate building needs.

Cooperating with the British Inter-University Council and the Nigerian government, MSU has helped produce a hybrid university which draws on the philosophies of both British and American education.

UNLIKE British educational institutions, the new university will attempt to educate all those who are capable, as far as is physically possible.

The university will be geared for education for the masses and broad general education for younger students.

Emphasis will be placed on a general education for the first two years, as in Basic College here, before students specialize in one field.

Upgrading of vocational training to a professional level is also part of the university's new program. They hope to produce more agricultural engineers and chemists than scholars in medieval history and poetry.

The revolution at Nsukka is most evident in the curriculum of the university. Unlike Nigeria's other university, traditionally British in philosophy, the new school is an alloy of our "agriculture and mechanic arts" and liberal arts.

THERE WERE 284 students in the first class. If construction of new buildings is completed in time, 750 more will enter this fall. Within five years university officials expect enrollment will hit the 3,000 mark.

At present, some 55 per cent of the students are on scholarships awarded by the various regional governments and the Federal government of Nigeria.

The faculty now numbers 32 and will near the 100 mark this fall. The acting principal is Dr. George M. Johnson, a former See REVOLUTION, page 5



INTERNATIONAL FLAVOR is added to the campus through such organizations as the Jamaica Club which presented a dance at a past International Festival. At the finale of the 1961 festival, the cast gathered on stage—garbed in everything from saris to hula skirts to outfits of America's Roaring 20's era—and joined the audience in singing the "Hymn of Nations." The words of the hymn summed up the main theme of "Adventures Internationale": "May fellowship increase, May all contention cease, Oh may we dwell in peace, and unity."

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INDONESIAN CHA CHA CHA—Typical of the native garb and performances presented at the annual International Festival is this Indonesian dancer dressed in elegant flowing silks, face mask and plume.

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New Language Center To Aid Foreign, American Students



SOUTHERN NEIGHBORS—Native costumes, hand crafts and pretty girls adorn many of the "Adventures Internationales" booths such as Mexico's representative. Addressing the festival audience, Pres. Hannah said, "Our foreign students come from a variety of backgrounds, religions

and cultures. Over 550 foreign students from 60 different nations attend this University. We are grateful to them for what they do for us in helping to promote better world understanding."

A new agency to make university study easier for the foreign student coming to the United States, and for the American student going abroad, goes into operation this term.

The American Language and Educational Center, with headquarters at Room 9, Kellogg Center, under directorship of Fredric J. Mortimore, will offer intensive English language training and other subjects to foreign students. It will also serve as a new kind of clearing house for American students interested in attending European colleges and universities.

Of special interest to the American student is the Center's agreement with the Foundation for European Language and Educational Centers, a privately financed European foundation maintaining eleven schools throughout Western Europe.

By applying to the Kellogg Center office, the American interested in academic work in Europe may enroll and register in three- to eleven-month courses, depending on the country and language chosen, for intensive language training and familiarization with the academic system and culture of the country where he wants to work.

DURING HIS special preparatory course abroad, the student may also receive professional enrollment counseling and special recommendation to leading European universities.

It may be noted that a Ph.D. candidate at an American university could easily acquire his foreign language proficiency in any of several European languages at various centers included in this program, possibly in a period as brief as three months.

For the next six months, a representative of the European foundation's headquarters at Zurich, Switzerland, will be available to interested students at Room 9, Kellogg.

The American Language and Educational Center, however, will place its greatest emphasis on the on-campus program, planned to begin here this term with an initial enrollment of 90 students.

Enrollment is open to three categories of foreign citizens. Undergraduates may come here before or during their undergraduate years. Graduate students from foreign universities may take work before or during their postgraduate work. And non-matriculated students, such

as businessmen with particular interest in learning English in a rapid, intensive program, and taking course work in American civilization, will be accepted on a special program basis.

THE ACADEMIC program will be primarily the responsibility of the English Language Center, jointly sponsored by the Continuing Education Service and the Division of Language and Literature.

The English courses will give heavy emphasis to an intensive oral learning approach, with four hours in class and one in language laboratory daily. Supplementary work in reading and composition skill will be included.

The English Language Center is to be supervised by Edward T. Erasmus, who was formerly with the English Language Institute at the University of Michigan.

Continuing Education will supplement this language program with lectures, field trips and other programs for "acculturation," leading to better understanding of American society and culture. It will also handle such administrative procedures as fee collection and housing accommodations.

According to the Center's ad-

ministrators, it is believed to be the first agency to offer such extensive services either in preparing foreign nationals for study in this country, or giving Americans such opportunities to prepare for work in European schools.

"THIS IS A NEW and long-overdue development in international education," said Homer D. Higbee, assistant dean of international programs. The Center is especially significant in promising to improve the chances for success in American universities of students from the less developed countries.

Under supervision of President John A. Hannah, the Center's Advisory Committee includes Glen L. Taggart, dean of international programs; Howard R. Neville, director of continuing education service; Carl D. Mead, head of the department of English; Stanley R. Townsend, head of the department of foreign languages; Russel B. Nye, director of the division of language and literature; and Erhardt Waespi, director of the foundation for European language and educational centers.

Revolution

(continued from page 3)

dean of the law school at Howard University and now a member of the faculty here.

In addition to its international projects, MSU is involved in a number of other international activities.

With faculty constantly engaged in foreign projects, foreign students coming to MSU, special on-campus programs with an international slant and courses in foreign languages and cultures available,

MSU can be an international university if one takes advantage of its offerings.

ITS EXPANDING international program aimed at education of an enlightened citizen, expansion of knowledge between cultures, training specialists for international situations and improving technical cooperation all benefit the MSU student.

Welcome to the revolution, a revolution of international dimension. MSU's revolution from a training school in agriculture and mechanic arts to an international institution...

Peace Corps

(continued from page 1)
25 MSU faculty members and five African specialists from other institutions.

THE VOLUNTEERS' training will cover about 62 hours a week of instruction and training in the following: Africa and Nigeria; the United States and the world; colonialism; international communism and contemporary international events; current topics; comparative education; the educational process and the roles of the educator in developing countries; the University of Nigeria; health, individual hygiene and preventive medicine; African languages, especially Ibo; physical conditioning; individual guided study and assessment; and library, films and study.

In addition to board and room, necessary medical care and a \$150 a year clothing allowance, volunteers receive \$2 a day. Each volunteer, in addition, earns \$75 a month, to be paid when service is completed. Both a husband and wife may serve as volunteers, but each must successfully pass the Peace Corps examinations and serve equally as a member of the group. No children are permitted to accompany parents on assignment.

A volunteer's typical day in his six-day-a-week schedule at MSU includes:

Breakfast, 7 a.m.; lecture or study, 8 a.m.; language laboratory, 11 a.m.; lunch, noon; guided study or background seminar, 1 p.m.; physical education and conditioning, 4 p.m.; dinner, 6:30 p.m.; seminars or background films and reading assignments, 7:30 p.m.; adjournment, 9:30 p.m.

TYPICAL OF the men and women selected for the MSU training program are the following, as described in notes

from the Peace Corps Washington headquarters:

Randall J. Longcore, 25, of South Alpena, Mich., he received BS and MS degrees in mathematics from the University of Michigan, completing the latter in 1958, and taught science and mathematics in the spring semester of 1958 at an Air Force base high school in Puerto Rico. Since September 1959, he has worked as an engineer at the Sperry Gyroscope company in Syosset, N.Y.

Roger L. Landrum, 24, Reed City, Mich. He received the BA degree at Albion College, and the MA degree at Bowling Green State University in Ohio in English and American literature in 1960. For the past year he has been working toward the PhD degree at MSU, working as a graduate teaching assistant. He served as a classroom teacher at Bowling Green for one year. He wrote sports publicity at Albion where he also was president of his fraternity.

Joan Franklin, 23, of Detroit. She received the BA degree in political science in 1958 and the law degree this year, both from Wayne State University. She has studied international relations in the African area and Russian and German languages.

ELIZABETH Alexander, 25, of Palm Beach, Fla. She received the BA degree at Vassar in 1955 and the MA degree in English at the University of Michigan in 1959. Since then she has been working toward the PhD degree at the University of Wisconsin where she also has taught freshman and sophomore English.

The University of Nigeria at Nsukka is a new and rapidly expanding institution. It opened its doors last fall at the time of Nigeria's independence. At

the time it had 264 students and a faculty of 34. Only one out of ten applicants could be admitted. In the current academic year the university hopes to accommodate a student body of almost 1000 with a faculty of approximately 90 (not including Peace Corps volunteers).

"Michigan State University is uniquely qualified to conduct the training program and is the administering agent for the Peace Corps in the overseas portion of the project," said Peace Corps director Sargent Shriver.

Michigan State, under the sponsorship of the International Cooperation Administration, has provided teaching and planning assistance for the University of Nigeria for the past two years. Other help is from the Inter-University Council of Great Britain.

Overall arrangements for Peace Corps assistance at the University of Nigeria were made by Dr. Glen L. Taggart,

dean of International Programs at MSU and Dr. Ralph H. Smuckler, associate dean. Director of the Peace Corps project, who will accompany the volunteers to Nigeria, is Dr. Donald L. Grummon, professor of psychology and director of the MSU Counseling Center. Serving as training director is Dr. Eugene H. Jacobson, assistant dean of the College of Science and Arts and director of the University's African Language and Area Center. Also participating in planning is Dr. George H. Axinn, MSU coordinator for the University's Nigerian project.

SPOTLIGHT ON PRIESTHOOD

NEW YORK (AP)—"The Everlasting Priest," a book analyzing the character and powers of the Roman Catholic priesthood, has been published by P. J. Kenedy & Sons. It is written by the French author, A. M. Carre.

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PRIZE WINNER—The Indian Club was awarded the second place exhibit trophy for their display of India's arts and crafts and native costumes. Other exhibit trophies for "Adventures Internationales" went to the Arab Club, first place, and the Ukraine, third.

1962 Wolverine Has Staff Openings

Photography, copy writing, typing and sales positions on the 1962 Wolverine are open to students with interests in these fields, Jerry Holmes, the yearbook editor, announced. The 500 page hard-bound publication which has consistently taken high national honors in competition with other large-university annuals, relates the story of the MSU year. Informal pictures, over 400 in all, are taken by student photographers to relate the story. Copy must be written to complement the pictures and includes short summaries of sports and the year's activities for each organization and living unit. Holmes said that interested students are welcome to visit the Wolverine office at any time and talk to the various editors and have the staff organization and operations explained. The 1962 Wolverine staff includes: Jerry Holmes, Howell junior, editor; Wayne Parsons, Lansing senior, business manager; Karen Draper, Millington

junior, associate editor for production; Bill Doerner, Webster Groves, Mo., junior, associate editor for copy; and Lowell Kinney, Iron River junior, associate editor for photography.

The U. S. Navy's Deep Underwater Nuclear Counting device can detect one atom of radium in a billion billion molecules of water.

Brother-Sister Plan Aids Understanding

One hundred MSU American students are meeting new brothers and sisters this week.

The scene not a nursery, however, but the Owen Hall headquarters of the Student Government Brother-Sister program, which provides individual host-advisers for new foreign students.

Throughout the summer, members of the AUSG International Cooperation committee have been preparing for the arrival of the new students and for a reception that will minimize the difficulty of adjusting to a new educational system, to new customs and surroundings.

From Sept. 18, committee representatives were on hand at Owen to receive all incoming new foreign students. Transportation arrangements, supervised by Neil Ballman, Williamston senior, include posting greeting signs in all local train, air, and bus depots, and

notifying taxi and bus lines to bring all new foreign students to Owen.

Preliminary housing arrangements have been made by Joan Bobcean, Flat Rock junior. Temporarily, women will be housed in Owen and men at Butterfield Hall.

After arriving on campus, the new students will meet their host-advisers, all American students, at Owen and join in special activities planned for Welcome Week.

The first session is for orientation, at 8 p.m., Tuesday, Sept. 26, at Owen, and includes discussion of campus dormitory food policies and contracts, and opportunities for off-campus housing.

The same evening, the American hosts and hostesses will meet from 7 to 9 p.m. in 34-35 Union, to discuss their role in the welcome program. A special coffee hour is planned to introduce the new foreign students and their hosts to all interested students and faculty members at 7 p.m. on Friday, Sept. 29, at the Union Building UN Lounge. During registration, a committee of the brother-sister hosts will be on duty at the Men's IM Building to accompany and advise the new foreign students through sign-up for fall term. John Wingate, Warren sophomore, will be in charge. American students interested in joining the program may inquire at the headquarters desk at Owen during Welcome Week, and thereafter at the International Cooperation Committee office at 318 Student Services. Host-hostess assignments are being made by Shirley McIntyre, Lincoln senior.

Directing the entire program is Wayne Livingston, Chino, Calif. graduate student. AUSG chairman is Wayne Harryman, Indianapolis sophomore. Taggart said.

Japanese

(continued from page 1) our culture, I would point at our lack of experience and deep understanding of other countries and the problems we face in our relationships with them," he said.

GREATER EXPERIENCE with the deeper understandings of our cultures is neces-

sary before we can become a viable nation in the world competition of ideas, politics and economics, he said.

"Therefore, it is incumbent upon the university to attempt, through such experiences as we are developing abroad, to bring about greater understanding of important issues, teach them to our students and pass them on to our people," Taggart said.

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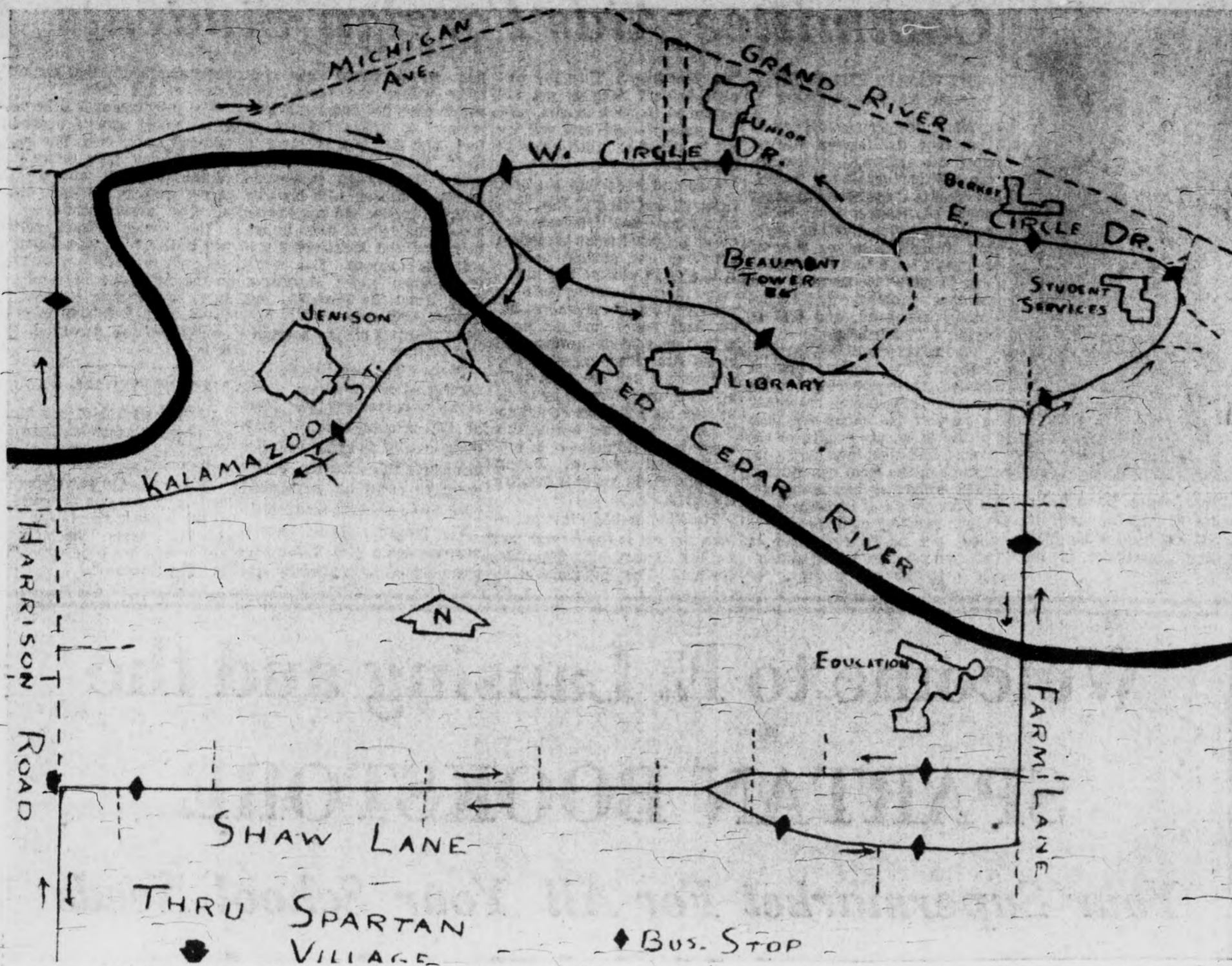
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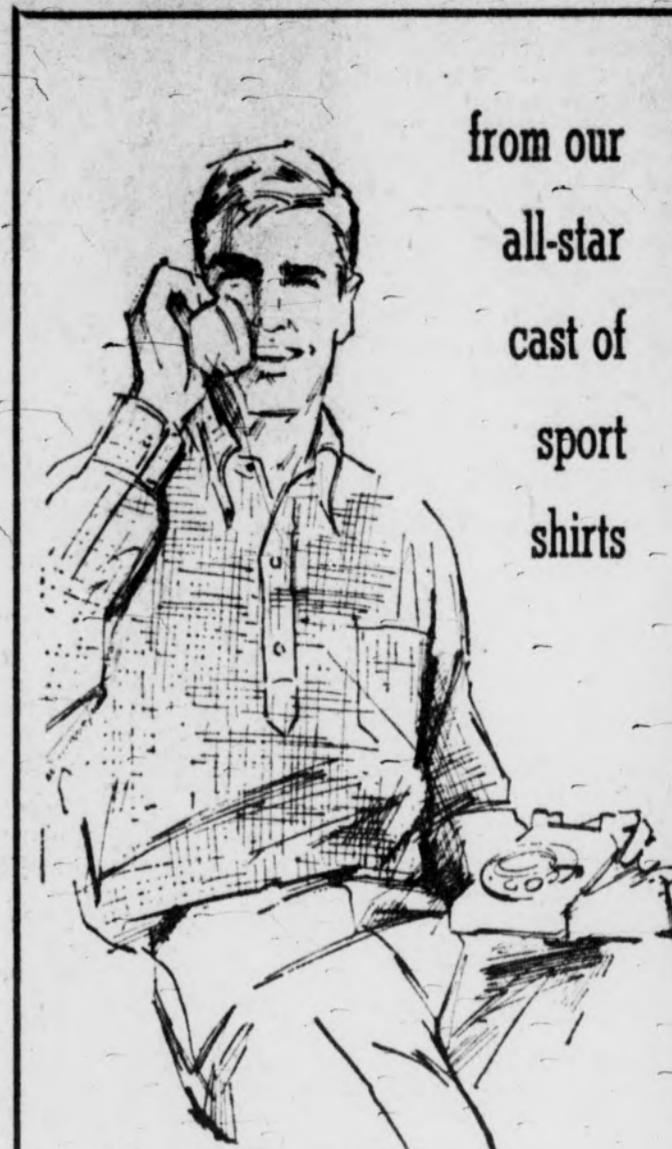


REST FOR THE WEARY—That long trudge from Spartan or Brody group to Berkey can be a thing of the past—for a 10 cent fee. One of two new bus routes on campus is sketched above. The bus will start at 7:40 a.m. in Spartan Village at the main entrance, make several stops where necessary in a loop around the Village, travel down Harrison Rd. to Shaw Lane, stopping for Cherry Lane passengers en route. It will proceed to Farm Lane with tentative stops at the new

Case dorm and Engineering building. The bus will stop in front of Bessey Hall, Natural Science building, E. Circle Dr. at Haslett Rd., Berkey Hall, Union, Gilchrist, Jenison Field House, Brody and Kellogg Center, go to Michigan Ave. and back on campus through Beal entrance. It will stop at Women's Intramural building, Library, go to Farm Lane and make a repetition of stops back to Spartan Village.

Senior Pictures Taken For Two Weeks

Portraits for all students graduating between fall term, 1961, and summer term, 1962, will be taken starting Monday, September 25 and continuing for two weeks through Friday, October 6. For the convenience of seniors, a table will be set up at registration for taking appointments. The pictures will be taken in the Union Building, Monday through Friday from 9 a.m. to 5 p.m., both weeks. There is no charge for the sitting and, since the photographers will be on campus for only two weeks, all seniors are urged to make their appointments as soon as possible. The pictures will be taken by Delma Studios of New York City.



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9:40	9:50	9:52	10:00
10:20	10:30	10:32	10:40
11:00	11:10	11:12	11:20
11:40	11:50	11:52	12:00
12:20 PM	12:30 PM	12:32 PM	12:40 PM
1:00	1:10	1:12	1:20
1:40	1:50	1:52	2:00
2:20	2:30	2:32	2:40
3:00	3:10	3:12	3:20
3:40	3:50	3:52	4:00
4:20	4:30	4:32	4:40
5:00	5:10	5:12	5:20
5:40	5:50	5:52	6:00
6:20	6:30	6:32	6:40

LINE DOES NOT OPERATE SATURDAYS, SUNDAYS, OR HOLIDAYS.

Signs of the times: harried and footsore students can now take a bus to class! Beginning during summer term, Lansing Suburban Lines, Inc., has been shuttling buses around the campus establishing times, stops and routes for the heavier influx of students beginning this week. Two routes have been tentatively scheduled. One, strictly campus, from Spartan Village past Cherry Lane and faculty housing on Shaw Lane, into and around North Campus including a sweep in front of the Brody dorms. The second route, with no set time schedule at press time, will come up Kalamazoo and service University Village and Lansing residents.



WORD FROM RED CHINA
(P)—Anglican Bishop K. H. Ting, of Nanking, China, told a Hungarian audience that in the People's Republic of China "our socialism is nothing but organized love. There is no unemployment or prostitution and there are no beggars on the streets."

ENGLISH STAGE IN FRANCE
(P)—A permanent English-language theater is being planned here by Warren E. Trabant, an ex-journalist from New York. Trabant expects to present translations of current French productions, plus some imports from Broadway.

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Foreign Student

(continued from page 2)
type of education offered," he said.

He reported a growing concentration (70 per cent of the total foreign student population in 1960) at large universities in California, New York, Michigan, Massachusetts, Illinois, the District of Columbia, Indiana, Pennsylvania, Texas, Ohio, Minnesota, Wisconsin and Washington.

Several educators interviewed indicated that many foreign students, particularly undergraduates, might obtain equally satisfactory educational experience at many smaller quality liberal arts colleges in the country.

Enrollment of foreign students should be viewed as a mutually beneficial exchange of knowledge, according to Higbee. Most foreign students indicated an eagerness to contribute to the learning of American students but in the eyes of the foreign student, Americans are "unreceptive."

IN GENERAL, the study showed, foreign students feel the level of services being provided by advisers and other officials at the universities is sufficient.

Latin American and European students were most critical of the existing levels of services while Asians and Africans were least so, despite

the fact that Asians and Africans expressed a desire for a greater number of services.

"Expansion of present levels of services would probably not achieve universal approval," Higbee said, noting that universities must face the fact that foreign students are not agreed on what should be done. Variations are marked by sex, graduate or undergraduate status, region of the home country, and the number of foreign students at the institution.

Copies of Higbee's full report, which is being published by Michigan State University, may be obtained from the National Association of Foreign Student Advisers, 500 Riverside Drive, New York 27, New York.

Honorary Begins Scholarship Fund

Mortar Board, a national service honorary for junior and senior women, will begin establishment of a scholarship fund this week with the sale of plastic-bound calendar books.

The calendar book, containing significant dates in sports, social activities, academics and entertainment, will be sold at registration, in the dorm dinner lines, Union Building, Berkey Hall and Student Services Building this week. Each page contains three or



DEDICATION CEREMONIES—Pres. John A. Hannah, Dr. Nnamdi Azikiwe, Governor-general of Nigeria, and Dr. George M. Johnson, acting principal and head of the MSU advisors, talk after the dedication ceremonies at the University of Nigeria.

four dates and space to make notations. This book is 6x8 inches and covers four terms, from September to September. The scholarship fund will be added to each year with the first scholarship scheduled to be given next year. It will be available to both male and female grads and undergrads. The calendar book will sell for \$1.

Committee Aids Foreign Students

BY WALLID KHADDURI, State News Staff Writer

There are certain difficulties that face the foreign student upon his arrival to a new university in the United States. Several of these social changes could be finance, food, social customs, and methods of teaching. Through these are some of the most important changes he has to adapt to, there is also another problem that is not widely discussed, and that is being a "student".

At the present time, the activities of the foreign student center mostly around social events. These events are either a part of the social schedule of the university events, or the social and "get-together" programs of the local community. Such programs have some advantages of understanding other peoples' cultures, but it does not fulfill a planned or studied purpose. Its aim mainly is to "have a program" or

"do-something". Thus the foreign student, who is not accustomed to such events, will feel embarrassed and will try not to attend such activities in the future.

A second issue that students from abroad face is the "student atmosphere" outside the class. By this I refer to student activities and student unions. It is a great change that a foreign student faces between his activities within the student union back home, and his work with the student government in an American campus. The differences are so great that, upon his arrival here, he tends to stop his activities completely. A prime factor behind this move is the differences in programs and goals of student movements in his own country and here.

The final problem that arises upon arrival is the formal and limited contact with American students. The relationship is

now mostly based upon contacts within the class, and which does not last for a long period; or within the dormitory, and this is a problem in itself. These factors have promoted the foreign student to surround himself with his own national group, and has caused a good majority of them to live in rooms and apartments outside the campus. The result is obvious; more separation from American students, less contact, and consequently less understanding of American life and culture.

These three negative factors mentioned are a direct result of the programs and their goals at the present time, if such things really do exist. In order to change this situation, a new program could be established with these general thoughts:

The program should have a purpose and a goal. These purposes should be studied by stu-

dents and faculty that are interested in this field.

The program should be centered mainly around academic and cultural events. The social events should be a minor part of the program, and not the prime activity around which all other events center.

The students from abroad will benefit from an orientation program that will expose them to the American life and culture, rather than learning by themselves just the external portions of the American way of life.

LONDON PROVING GROUND

(P-Robert Robinson, a Montreal-born performer, says the West End is the yardstick for acting ability.

"If you want to prove yourself and see if you can measure up to the highest standards, London is the place," declares the visitor who has been appearing in "The Gazebo."

Eighty Years

(continued from page 1)
gram is directed by Dr. Charles P. Loomis, research professor of sociology and anthropology. Loomis is also doing research on Anglo-Latino relations in hospitals and communities in the Southwest under a grant from the U.S. Public Health Service.

SINCE 1956 MSU has been acting as a consultant for American - sponsored schools in Mexico and Guatemala.

Personnel from the university have helped solve problems of administrative organization and finance, curriculum development, teaching methodology and counseling and guidance.

Credit courses applicable to undergraduate and graduate degrees have been offered at four centers in Mexico, self-help programs stimulated and a student teacher program established in cooperation with the American school in Mexico City.

Four members of the political science department, under a grant from the Rockefeller foundation, will try to find out how government administration affects social change in underdeveloped areas.

Research will be carried out in Italy, India, Pakistan, Brazil and Viet Nam.

On campus, the establishment of the African Language and Area Center has provided a focus for activities in a rapidly developing area of study.

THE CENTER functions as a coordinating unit to help develop and stimulate additional

development of African programs.

Concerned with a number of regions of Africa, the center puts particular emphasis on Nigeria to allow maximum cooperation with the new University of Nigeria.

Besides teaching languages and integrating programs of other departments, the center sponsors lectures on campus

by leading authorities on Africa.

A grant under the National Defense Education Act, with matching funds coming from the university supports the center.

The center, limited to a staff of two, functions through the aid of about 30 faculty specialists on different areas of Africa.

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Seminars

(continued from page 1)
Dr. Ellingsworth stressed that the purpose of the sessions is to teach the participants how to communicate what they've learned to their countrymen.

The trainees will make changes on their jobs, but they will also affect their cultures as wholes. Technological and administrative advancements are inseparable from cultural changes, he said.

The week-long seminars represent a finishing touch to their United States training.

PARTICIPANTS will number over 7,600 before the current contract expires. They represent at least 71 countries.

Thus far, Michigan State has conducted 83 seminars at Michigan's Boyne Mt. Lodge and Cacapon Lodge in West Virginia.

As to the success of these seminars, Dr. Ellingsworth said that is difficult to tell, as yet.

Success cannot be determined by finding out how well the subject matter was mastered, nor can you judge by the satisfaction of participants, he said.

WHAT really matters, are long-range changes in attitudes and behavior. This means in the societies involved, as well as in the trainees, he said.

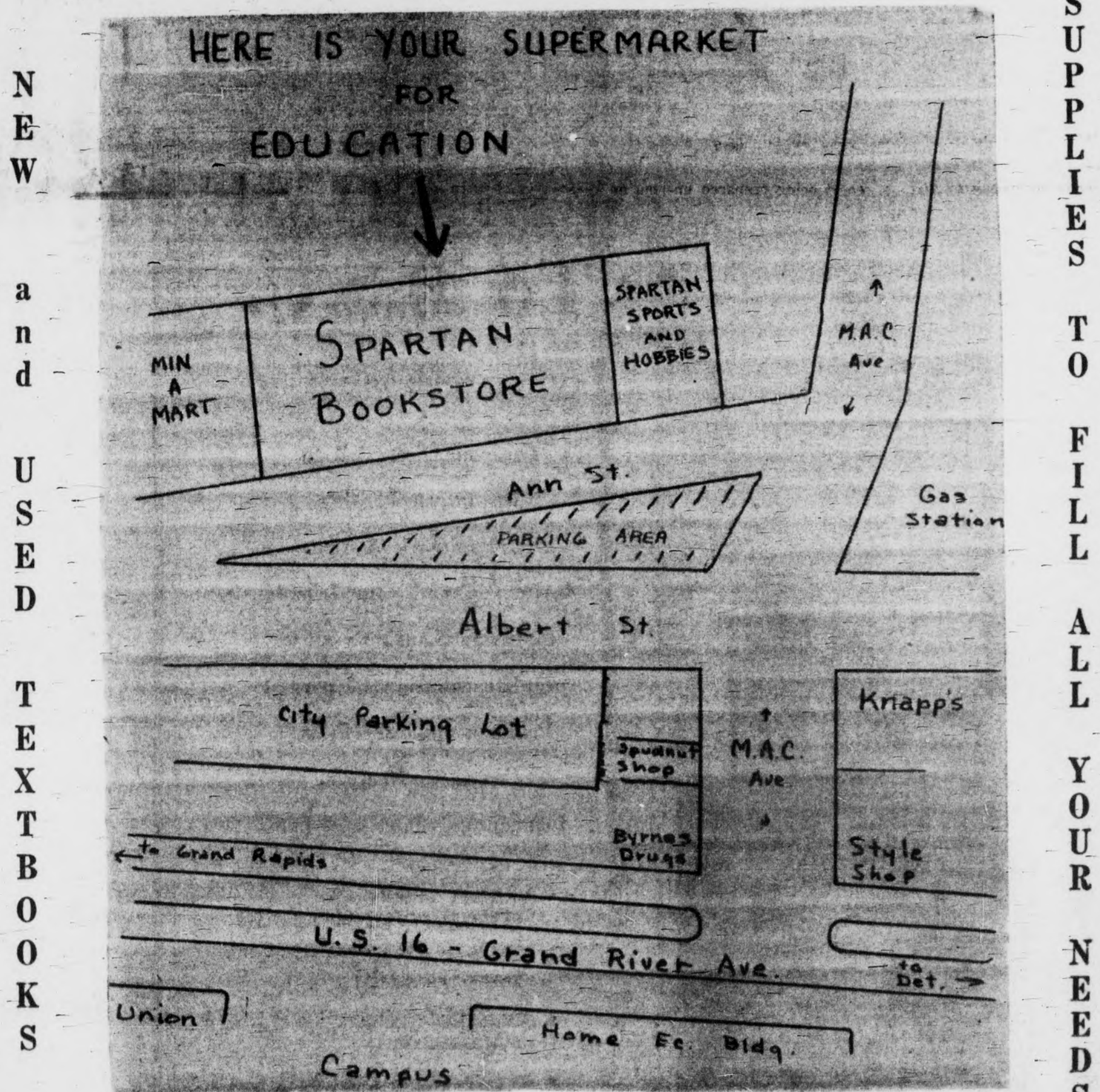
Subsequently, the main objective of the ICA Seminars on Communication is to give a "social dimension" to the technical training of foreign nationals, Ellingsworth said.

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Student Motives In the Cold War Vocational Training No Longer Enough

By DAVID WILEY
State News Staff Writer

Why did you come here? Why bother? What possible good is a college education when a fat, bald man with a broad grin has promised to bury you? In a world where the western powers and the little man, Nikita Sergeevich Khrushchev, threaten each other on one hand with thermo-nuclear annihilation and speak hopefully of peace and world disarmament on the other, what is the value of higher education?

Who are today's freshman? What are their reasons for coming to college? Will they achieve success in higher education—and if they do, what will they possess for having done so? What should the university, this university—MSU, do for them?

EARLIER this year, during the height of the African crisis, a student who works at a local business place part-time after classes began his evening duties. A switchboard operator sat at her desk, a television set by her side. A news program began its broadcast. She turned the volume off. Spread out before her was the evening newspaper. She read the obituaries, the local news, the advertisements. Then she began turning the pages methodically, regularly—beginning at the front of the paper. She glanced at each photograph and paused, in some cases, to read the caption. She stopped and called to the student:

"George, look at this! Isn't that a white woman with all those colored kids?"

THE PHOTOGRAPH was of a negro woman and her family. The caption beneath the picture explained that the woman, wife of a Michigan dentist, was being sent to an African country as a goodwill emissary from the United States.

"What does it say?" George asked, indicating the lines of type beneath the photo.

"It says... Mrs. Jones leaves next month for Niagara," she said.

"Read it again," George said.

pidity? Blame it on a lack of education? Perhaps. But, can education provide solutions to incidents like these? Shirley is a high school graduate—married, 54 years old. Do younger, college-educated persons fare better in their apprehension of the world? Or does it depend on their motives? What are their reasons for coming to college?

Today's college student has reasons for attending college which differ from those of students 60 years ago. In a report prepared for the Commission on the College Student of the American Council on Education, W. Max Wise, professor of education at Teachers College, Columbia University, gives this picture of the turn-of-the-century college student:

"THEY CAME for the best of reasons. They swarmed from the drab experience of small town or commercial city, direct or via the boarding-schools, because they had heard of college life, where instead of the monotony of school discipline or the bourgeois experience which had succeeded their confident childhood, there was singing, cheering, drinking and the keenest competition for honor and prestige, a life rich in the motives which were being stifled in the struggle for power in the adult world outside. They desired romance, they sought distinction, and were not unwilling to spend some bookish labor in order to win the opportunities of a class that called itself educated."

A report being prepared under the direction of Irvin J. Lehmann, Ph.D., Office of Evaluation Services, MSU, for the Study on Critical Thinking, Attitudes, and Values in Higher Education, supported by the U. S. Office of Education lists these reasons for attending college given by incoming MSU freshmen in 1958:

1. To prepare for a vocation. (A decided majority)
2. To get away from home, become independent, and learn to assume responsibility for self. (A majority)
3. Because it was the thing to do—all their friends went to college. (A sizeable majority)
4. To obtain a broad understanding of many things. (A sizeable minority)
5. To make lasting friends and learn to get along with other people. (A majority)
6. Because parents expected them to attend. (A minority)
7. To achieve a higher socio-

economic status than parents. (A minority)

8. Because it is impossible to obtain a good job with only a high school education. (A minority)

APPROXIMATELY one-third of these students decided to come to college in their senior year in high school. Nearly the same number decided in their freshman year in high school. Most of the remainder indicated they had "always" known they were coming to college.

Incoming freshman students, interviewed this past summer during the summer counseling clinic, gave these reasons for coming to college:

"I want to be a teacher because it is a profession to depend on—a secure job."

"BECAUSE I think I can be a better citizen and a better person. To get anywhere, you almost have to have a college education."

"To further my education." "I have always wanted to go to college." "Because it's a challenge. You're in constant competition with others." "To advance myself financially, intellectually and spiritually."



A FAMILIAR LANDMARK on campus as well as the subject of many traditions is Beaumont Tower. According to one of these traditions women students become coeds after being kissed under Beaumont as the clock strikes midnight.

Are Value Systems Altered by College?

By DAVID WILEY
State News Staff Writer

How does college change students? What will your viewpoints be four years from now? Will your prejudices change? Will you graduate from this university feeling that your education has been worthwhile—or will there be doubt in your mind?

During spring term, 1961, members of the MSU junior class were interviewed to determine how their attitudes had changed. The interviews were collected into a report for the Study of Critical Thinking, Attitudes and Values in Higher Education, directed by Irvin J. Lehmann, Office of Evaluation Services, and supported by the U. S. Office of Education.

STUDENTS WERE queried regarding the impact that specific courses had had upon them. A number of students indicated that some courses had definite impact upon them; and roughly an equal number said that courses had no impact upon them. Of those students who did indicate an impact, few were able to identify how this impact was obvious.

mately ten to one of students who do not attend cultural activities as compared with those who do. . . . The majority of them now feel that they should have participated more and are sorry they have not done so; many stated that their parents have been highly critical of them for failing to take advantage of the opportunity presented to them by not attending the cultural activities on the campus."

STUDENTS commented on the cultural activities as follows: "I have enjoyed the few concerts and lectures which I have attended, but have not been influenced by them."

"The activities I have attended have been interesting but otherwise not important to me."

"I have attended just for relaxation—no particular effect has resulted from this."

to help, but are very impersonal."

Students express concern about being typified by the public as conformists. They feel that most people conform to things which they like and which will benefit them. The report cited earlier states:

"THIS IS AN age of conformity and the feeling was expressed that college students do not conform to a greater extent than any other individual. . . . The point raised most frequently by the students is that they conform to the activities of the crowd so that they will be one of them. . . . The word conformity appears to be a disturbing one to the students. It seems to carry the connotation of lack of independent thought and, at this point in their lives, self-independence is very important."

The student made these remarks concerning conformity: "IT WOULD BE hard to go to college and not conform to some extent."

Student Responsibility Cited

University Spokesmen Give Faculty View

Provost Tells What Is Faculty

By CHUCK RICHARDS
State News Staff Writer

Michigan State University Provost Paul A. Miller speaks softly but carries a penetrating mind.

For instance, ask him sometime to tell you just what is a faculty, a question which is quite likely to make lesser men shrug.

MILLER WILL acknowledge the difficulty of attempting to answer such a question in an ideal frame of reference, then he will answer it—ideally.

"I would say it is that community of scholars which find reason to form itself to teach," he will say. "In the deepest philosophical sense, all those who propose to engage in the intellectual goal of learning the sum total of all man has discovered."

is to search out every fragment of life and discover its design in relation to life."

Miller is certainly qualified to speak of faculties. He is head of the Michigan State faculty, and has assumed this position after a short period of apprenticeship.

He spent only seven years on the faculty before moving up to his present post two years ago.

"I THINK a good teacher has these qualities, and not particularly in this order," he says: "One, he is a perennial student, always trying to learn. He must devote his life to this search of unity and see in the student the opportunity to learn, himself."

Dramatics In Classes Not Needed

Samuel Baskett does not think an instructor should have to take dramatic lessons to arouse a lackadaisical student.

"OBVIOUSLY, in a university the responsibility for seeing that education does take place is the joint responsibility of the instructor and the student," he points out.

"I THINK it is a fine thing if the instructor is successful in stimulating the interest of his students, but his main obligation is to be sound rather than exciting," he says.

The University of California (he did undergraduate work at Missouri), graduate does all he can to make his classes interesting by analogy and quotations. He frequently asks students' opinions, challenging them to question him.

But, he thinks, the teacher who does not follow a stimulating pattern should be just as rewarding as one who does.

"NO TEACHER can be interesting to every one," he believes, "and the student must learn not to shirk his responsibility merely because he doesn't react positively to a particular teacher's presentation."

BASKETT certainly means no discredit to the outwardly dramatic teacher. In fact, his classes are anything but a dull analysis of literature.

'Community of Scholars' Ideal

Entrance Standards Increasing

A university administrator does not have an easy job.

Especially if he is Director of Admissions at Michigan State University, like Gordon Sabine.

"THIS DECISION is becoming more difficult to make every year at MSU because the students are becoming more capable."

"We will have more Michigan residents here this fall," Sabine points out, "who are capable of meeting the qualifications for Honors College than any other school."

perience, however, that one from a higher level has a better chance to cope with college work than another from a lower position."

HE HAS more figures: In 1959, 43 per cent of the incoming students were in the upper quarter of their class. The next year, 1960, 60 per cent came from the upper quarter—and, now, almost 75 per cent.

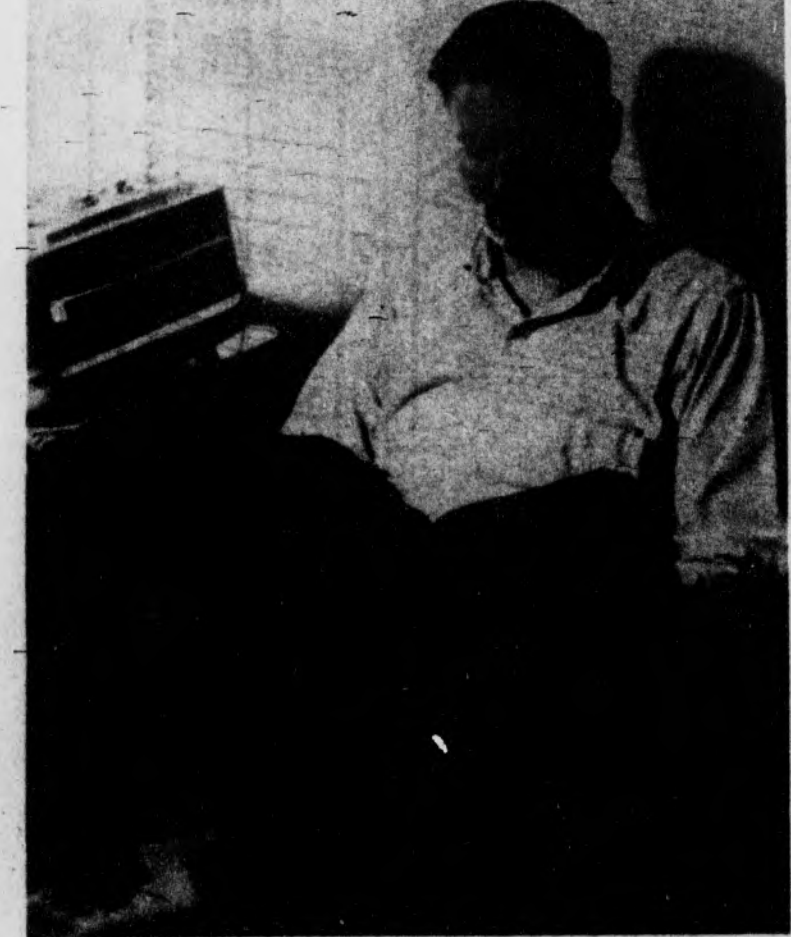
Yet at the same time, Michigan State has increased its quantity; about 3,000 in 1958, 3,800 in 1959, and 4,600 in 1960.

NOW THE real question is why, if the numbers are increasing so rapidly, are the capabilities of the students increasing even faster?

"Sputnik," Sabine says. "When the Russians launched the satellite everyone became more serious about college and learning," he adds. "Faculty expectations went up as Sputnik went around."

SABINE maintains it was not formal uplifting of our educational requirements. Both faculty and administration everywhere in the United States individually saw the need, and moved forward almost without a formal word.

All of this is responsible for making this incoming class the best Michigan State has ever had, according to Sabine.



MANY ORGANIZATIONS on campus are devoted to community and university service. One of the many functions performed by Tower Guard, sophomore women's honorary, is reading to blind students in the library blind reading room.

AUSG Heads Organizations

200 Student Groups Fill Service, Honorary Needs

Student governing bodies, social and service clubs, honoraries and professional organizations.

There are about 200 student groups on campus offering opportunities for leadership and service. Half of these are affiliated with professional interests; some are religious; others are military organizations.

THE MAJOR student governing body on campus is AUSG—All University Student Government—whose activities are directed in three areas: welfare and rights of students, student benefits, support and aid to campus organizations. Elected representatives and appointees fill its legislative, executive and judicial posts.

Perhaps the most inclusive organization on campus is Associated Women Students. Upon registration at this university each coed automatically becomes an AWS member.

AWS is divided into two boards: Activities Board and the Judiciary - Legislative Board. The Activities Board acts as a coordinator of all women activities and sponsors several annual projects. Representatives to the board are elected by their living units. The Judiciary - Legislative Board hears and judges disciplinary cases against coeds and interprets house rule. Board representation consists of members from each dormitory, cooperative house and off-campus house, and sorority.

OTHER governmental bodies include the Inter-Fraternity Council, the Panhellenic Council, groups representing residence halls, fraternities and sororities, cooperative living units.

Social and service clubs include Alpha Phi Omega, Association of Off-Campus Students, Circle K Club, Spartan Wives Club, Spartan Women's League, Veterans' Association, and the Veterans' Wives Club. Membership in Alpha Phi Omega is open to all men who have been or are affiliated with the Boy Scouts of America. All students living in off-campus housing are eligible for membership in the Association of Off-Campus Students.

CIRCLE K works with the Kiwanis in local activities. The purpose of the Spartan Wives Club is to provide physical and social recreation for student wives. Spartan Women's League sponsors blood drives, a transfer program, Spinsters Spin, and Tower Guard breakfast. Membership is open to all women students with a 2.0 all-college point average.

The purpose of the Veterans' Association is to promote the social interest and general welfare of former servicemen now

enrolled at MSU. The Veterans' Wives Club is a charity organization which gives baskets to needy families at Thanksgiving and Christmas.

RECREATIONAL organizations include the Acrobats' Club, Green Splash, Orchestras, Porpoise Fraternity, Promenaders, Sailing Club, and the Women's Athletic Association. Green Splash, a women's swimming honorary, is open to any coed with a 2.0 all-college point average who is able to meet specific swimming requirements. Green Splash sponsors a water show each spring and helps with intercollegiate meets. The Porpoise Fraternity is the men's swimming group.

THE SAILING Club represents MSU in all sailing regattas. The Club owns property and boats on Lake Lansing and sailing is open to all members.

All-university honoraries include Alpha Lambda Delta, Blue Key, Excalibur, Green Helmet, Mortar Board, Phi Eta Sigma, Phi Kappa Phi, Tower Guard, and Varsity Club.

Freshmen who have a 3.5 all-college their first term are eligible to compete for an invitation to Alpha Lambda Delta membership. Blue Key membership is limited to 35 junior and senior men having the all-men's average. They sponsor the Miss MSU Contest and a number of service projects.

EXCALIBUR, the senior men's honorary, taps its members during Water Carnival and at the Homecoming Dance. Membership is limited to 13 with requirements for membership listed as leadership, character, and service, the latter being shown through participation in extracurricular activities on campus.

Green Helmet members are selected each spring term. Membership is limited to 35 sophomore men with outstanding scholarship and leadership records in their freshman year.

Members of Mortar Board, senior women's honorary, are selected at the end of their junior year on the basis of scholarship, leadership, service and character.

PHI ETA SIGMA, freshman men's honorary, requires a 3.5 all-college average at the end of the first term. The group distributes "How to Study" pamphlets, sponsors social affairs, and puts on an annual banquet with Alpha Lambda Delta.

Phi Kappa Phi, all university honorary, stipulates that in order to be considered an individual must be either enrolled in the final semester or quarter of his junior year, or be a senior in a four year course. As a junior, he must rank among the top 12½ per cent.

Tower Guard is limited to 35 of the top 100 women in the freshman class at the end of See ORGANIZATIONS Page 6



ONE OF THE many services performed by the Placement Bureau is listing of part time jobs for students. Various employers phone the Bureau leaving job information which is then posted on the bulletin board.

Business Grad School

Eppley Center Completed

Business administration graduate students will have the utmost in modern classrooms this fall with the opening of the Eugene C. Eppley Center for Graduate Studies in the Service Industries.

The center, which was started in October of 1960, was financed by a gift of \$1.5 million from the Eugene C. Eppley Foundation, in memory of the late Eugene C. Eppley, a distinguished hotel man.

THE CENTER is being opened at a time when it is most needed, a business administration spokesman said. With an expected enrollment in the MBA program of 408 and in the DBA program of 107 the new facilities are much needed, he said.

He also said that this is a new record graduate enrollment in the business program and places Michigan State as one of the nation's leaders in this area.

Michigan State's business

MSU - Facts

There are 13,000 trees and shrubs on campus representing more than 3,200 different species.

The University owns nearly 4,500 acres of land with other property being accumulated.

Olin Memorial Health Center was named for Richard M. Olin, first full-time physician, who treated students for 15 years in a mansard-roofed "castle" where Gilchrist now stands.

graduate program is relatively new, has been growing steadily and is now nationally recognized as one of the best in the country, the spokesman said. An illustration of this is the fact that the Air Force has chosen Michigan State as the university for training its controllers.

EPPLEY Center is a four-story structure with a one-story wing. It has facilities for offices, classrooms and study spaces.

The upper three floors of the main structure will be devoted to offices for the business fac-

ulty and various departments. The bottom floor will be a library for the use of graduate students.

The one-story wing of the building will house five large lecture rooms and two seminar rooms. In the basement of the wing will be a large study area for the graduate students.

The entire building is air-conditioned and has 70,000 square feet of floor space.

The center's proximity to Owen Graduate Dormitory on the bank of the Red Cedar will make it very convenient for the business graduate student.

Student Services Hub of Activities, Organizations

Student Services is one building on campus which lives up to its name.

Located near Berkey Hall on East Circle drive, Student Services houses such organizations as publications, All-University Student Government-AUSG-Placement Bureau, Counseling Center and Dean of Students offices.

EACH OF the groups play an active part in a student's life and provide many opportunities for student participation or guidance.

Michigan State's daily newspaper, State News, and yearbook, the Wolverine, occupy offices in the building. Students are encouraged to join the staff of one of these publications.

Students seeking employment will find Placement Bureau a convenient place to look. Placement Bureau is a centralized operation responsible for placement activity for all departments and colleges of the university. The Bureau provides a service to all seniors and graduate students seeking employment. In addition, the Bureau maintains an extensive Alumni placement system for the benefit of graduates.

EACH YEAR hundreds of organizations from business, industry, government, and education visit the Bureau to interview students for career employment. Included in this group are well-known names of industry as well as many small and local firms.

Information concerning visits of these organizations will be found in the weekly Placement Bureau Bulletin which is distributed campus-wide during the interviewing season from mid-October to the end of May.

STUDENTS desiring part-time employment may also find many opportunities listed with the Bureau.

There is no charge for this service. While students are at Michigan State many new and important decisions will have to be made—for example, decisions regarding courses, curricula, vocational plans, and

personal and social adjustment. The Counseling Center provides a setting in which students may discuss in confidence with a counselor any problems which may be important to the student.

For students desiring information about interests, academic abilities, personality traits, or special aptitudes, tests may provide a good way of obtaining such information.

THE COUNSELING Center also maintains an occupational library where students may

read about the duties in various occupations, the qualifications for success in them, their future employment opportunities or their attractive and unattractive features.

Services of the Counseling Center are offered free of charge and on a voluntary basis.

Student Services also houses the Foreign Students office, Religious Advisors and Housing offices for any students who may need the services of one of these groups.

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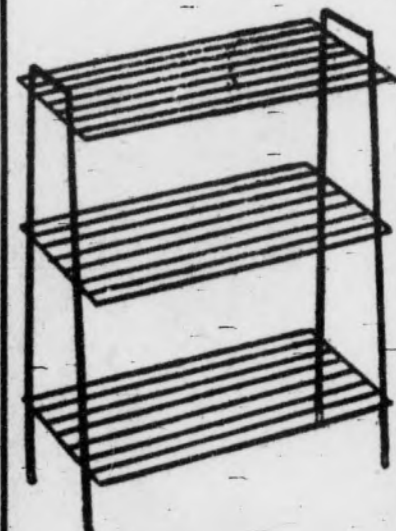


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Student Motives in Cold War

(continued from page 1)
they used to be to work hard to make grades that will give them an advantage in the job market."

BUT IS "advantage in the job market" the ultimate end? Does technical competence overshadow cultural awareness? One of America's wealthiest men, financier and businessman J. Paul Getty, wrote in a recent article for a national magazine:

"While foreigners have long acknowledged and acclaimed American leadership—and even supremacy—in science and technology, they have always been highly amused by the cultural illiteracy so often displayed by Americans, and particularly American men."

"The curator of a famous French art museum tells me that he can instantly single out most Americans in even the largest and most heterogeneous crowds that come to his galleries.

"IT'S ALL in their walk," he claims. "The moment the average American male steps through the doors, he assumes a truculently self-conscious half-strut, half-shamble that tries to say: 'I don't really want to be here. I'd much rather be in a bar or watching a baseball game.'"

"In my own opinion, the average American's cultural shortcomings can be likened to those of the educated barbarians of ancient Rome. These were barbarians who learned to speak—and often to read and write—Latin. They acquired Roman habits of dress and deportment. Many of them handily mastered Roman commercial, engineering and military techniques—but they re-

mained barbarians nonetheless. They failed to develop any understanding, appreciation or love for the art and culture of the great civilization around them."

CONCERNING "the (previously mentioned) grades that will give them an advantage in the job market," Wise writes:

"Some of them are even prepared to cheat, if necessary, to make these grades." Wise quotes Charles A. Drake who wrote in 1941 concerning cheating:

"To many students the examination . . . presents a challenge to cleverness rather than to the resources of power . . . it is evident that cheating grows out of the competitive system under which college credits are awarded."

Have conditions changed since 1941? Here at MSU, last June, final examinations for two of the basic subjects had to be re-written virtually overnight because students had obtained copies of the exam prior to testing.

CHEATING ALSO assumes more subtle forms. On June 10, 1961, John Ciardi, poetry editor of a national literary magazine wrote concerning his mail:

"Most interesting to me were some two dozen letters from librarians, museum people, public relations people, and even two from networks, all lamenting the nuisance mail from students who want someone else to prepare a term paper for them, and who seem to think that all they need is to send off an all-inclusive request . . ."

"All of these fellow sufferers in the assault by the school

system felt, as I have in the past, the teachers must be encouraging their students to write this sort of letter. All of them are certainly with me in wishing the teachers would spend more time . . . in teaching them a responsible sense of doing their own work in the first place. Nor would it be a bad idea just to teach them how to write a letter."

IN HIS report Wise writes that there is a stereotype—a current popular impression of today's college student:

"He is between eighteen and twenty-one years of age, a late adolescent who regards college chiefly as a social activity. He immerses himself in college life to the exclusion of any outside influences from home, community, or the world at large. He regards his studies as a kind of admission price that he must pay in order to enjoy the social opportunities of the campus."

College is for him a period during which he more or less suspends the maturing process and postpones until the last possible moment making plans and taking action toward his entrance into 'real life.' His intellectual interests are slight, and he is a rather dull, conforming creature, without any real spark of enthusiasm or originality."

HOWEVER, information at hand tends to dispute this stereotype. Only 55 per cent of college students are in the age group 18-21. College students' degree of effort is rising; and their interest in academic subjects is serious—too serious, as far as some observers are concerned. More than ever, they are concerned with vocational planning, and much of their time and thought is directed to the kind of instruction which will best augment the execution of their life plans. Extra-collegiate life is more important than ever, and they maintain ties with home and community that prevent total immersion in college life. They are more individualistic and less conformist.

"Joe College," Wise writes, "is no more."

THE FACT is that Americans have turned more and more to education as a means of self-betterment—and also to man our increasingly complex society. These comparative enrollment figures may be indicative of the public attitude toward higher education:

One out of 740 persons in the total population in 1869 was enrolled in college; one out of 74 persons was enrolled in 1953. The age level of college students has also changed markedly. The proportion of students over 21 years of age increases steadily. Wise comments on this phenomenon:

"THE RISE of urban centers, the increased opportunities for part-time study, the increased use of college work as a means of job advancement, the encouragement of employees by industry and government to undertake subsidized part-time study, and the greater mobility among occupations that often involves retraining have all had their effect on the age of the student population."

"Older students are increasing in numbers more rapidly than younger students. In the period 1953-57, for example, there was a 30 per cent increase in the number of 18 and 19-year-olds enrolled in college—and a 47 per cent increase in the number of those enrolled who were 25-34 years of age."

JOB opportunities have also increased for college students. Fifty-five per cent of the college graduates had earned part or all of their college expenses in 1927. In 1947, 71 per cent of the graduates had earned expenses. Some of these were employed during the academic year, others on vacation time and some during both periods.

The proportion of students who earn more than half of their expenses has probably risen from 20 per cent in the years preceding World War II, to about 40 per cent today. No studies have been found which suggest that the earning of expenses is related to student achievement or the length of stay in college.

Your chances of remaining in college until graduation remain pretty much the same as those of students twenty years ago. There are, however, slightly higher percentages of students than formerly graduating from the colleges in which they enrolled as freshmen. Of those who drop out, more than half do so during or at the end of their freshman year. Virtually equal proportions of men and women remain until graduation.

YOUR REASONS for being here vary. But to a great extent they can be summed up by the word security. Concerning security, Wise writes:

"The meaning of security for these students is a complex one. It means happiness, in a sense, but it means other things too. It is, in great part, a personal security based on self-understanding that will afford a solid foundation upon which other kinds of security—material, professional, social—may be built. . ."

"In their various individual ways, the students are involved in a continuing effort to find themselves and their place in the world—a place they expect to find for themselves. This is significant, for it shows the struggle for independence in which many of today's college students are very consciously engaged."

WHERE WILL this "struggle for independence" take you? What will it do for you? Will it create an awareness, a desire for intellectual achievement—or merely a need for material comfort? Will you be better off for having attended college?

Or will you be typified by the statement made in January 1960 by Dr. Grayson Kirk, president of Columbia University. He said:

"Somewhere along the line we have become fat, smug and spiritually anemic. We interpret the 'pursuit of happiness' to mean the pursuit of leisure, and for this reason we are at a loss when we try to explain our ideals to other peoples whom we would have copy our way of life."



MARRIED STUDENTS have many duties not directly associated with the pursuit of learning. Joseph Mann of Spartan Village takes his turn feeding daughter Julie.

The Mann family is typical of many student families at MSU who occupy the 1,940 furnished brick apartments in Spartan Village, University Village and Cherry Lane.

Like To Be a Journalist? State News-Wants You!

Michigan's second largest morning daily—first when the Free Press is on strike—will soon begin its 53rd year of publication.

Since 1909 the State News has served Michigan State with concise, up-to-date coverage of local news daily Monday through Friday during the fall, winter and spring quarters. State News is also published during the summer quarter on a weekly basis.

Consistent holder of "A" rating among college newspapers, the State News presently reaches an estimated

22,000 students and faculty and has a staff of 140.

State News is a member of the Associated Press, Inland Daily Press Association and Associated College Press.

Anyone who is interested in working for the State News is urged to attend the first staff meeting Tuesday, September 26 at 7:30 p.m. in the office. No experience is required and it is not necessary to be a journalism major.

State News offices are located in 341 Student Services. The telephone number is 355-8252.

AFTER 28 YEARS

NEW YORK (AP) — A 28-year-old Cole Porter musical, "Nymph Errant," may finally be on its way to Broadway.

Legal complications over assorted show rights previously blocked presentation here of the vintage London hit. Included in the score are songs appraised by critics as among Porter's best.

The Alumni Memorial Chapel, on campus, is available for public services of a religious nature. It is also made available to students wishing to enter the sanctuary for private devotions.

Scientific Method: Bridgman

"The scientific method, as far as it is a method, is nothing more than doing one's ownest with one's mind, as holds barred," Percy Bridgman, Nobel Laureate in Physics.



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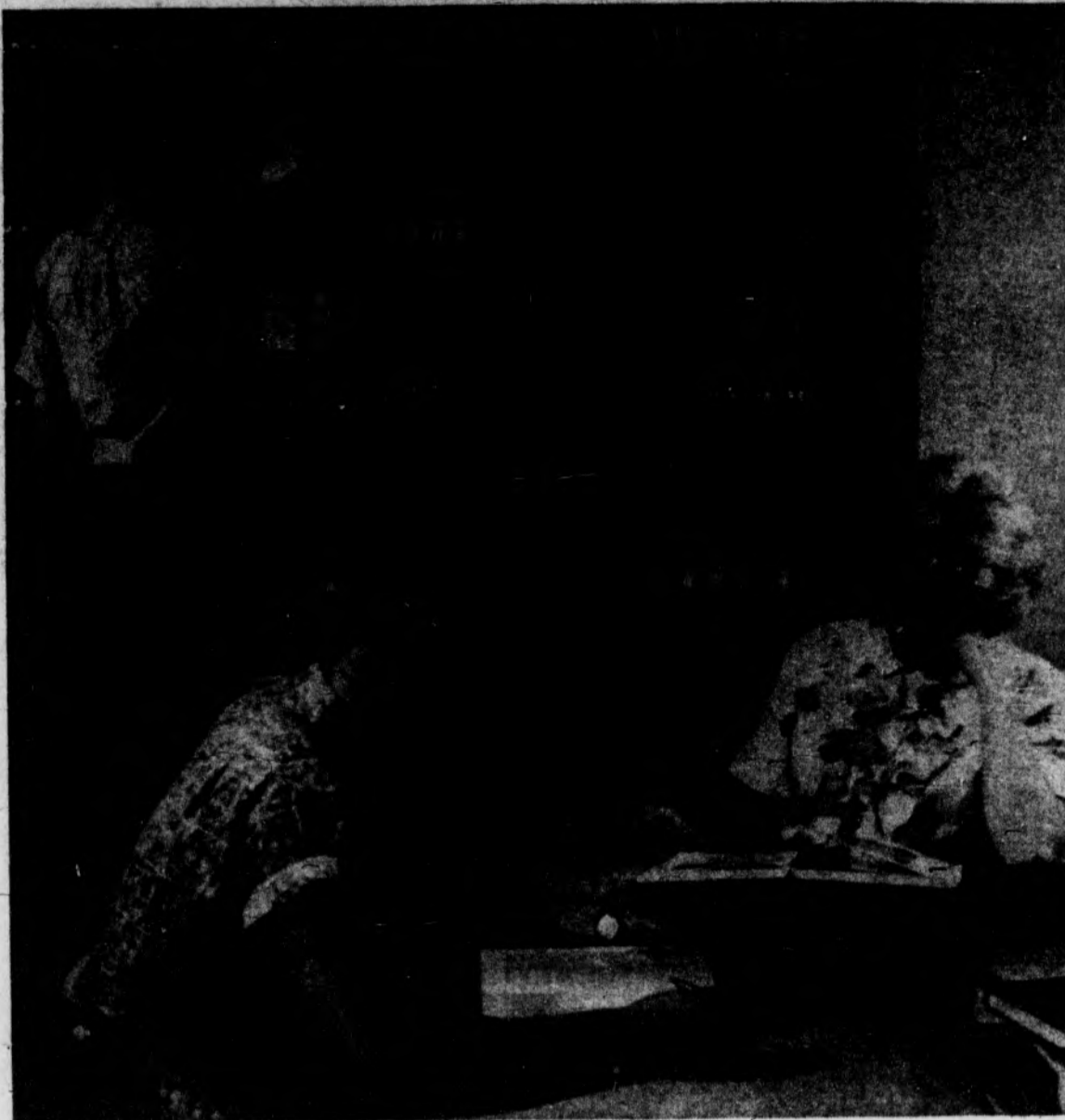
In order to bring the major areas of knowledge in close proximity, the divisional library plan has been established. The divisions are humanities, social science, education, and science. Each room is staffed by librarians who are specialists in their fields.

APPROXIMATELY 10,000 separate periodicals are received regularly as well as United States government publications. With the exception of a few cases, these periodicals are kept in a separate collection and are readily accessible to students. A specialist in government documents is on duty at all times in the room to give assistance whenever needed.

DEPARTMENTAL libraries are maintained by the library to provide for specialized research in agricultural engineering, chemistry, music, physics-math, and veterinary medicine. The location of these libraries within the buildings of their respective colleges affords the student convenient reference and study materials.

To further the research and study by the graduate, the library participates with libraries throughout the United States. Thus, if material is not available locally it will be borrowed from another library. The library is also a member of the Midwest Inter-Library center at Chicago. This provides for even greater research value through special loans from the 19 other member libraries as well as from the materials deposited with the center.

As 1 of the 50 members of the Association of College and Research Libraries, the library is responsible for the "planning of programs of study and service for college and university research and specialized libraries."



THE LIBRARY is a favorite place of many students who find its quiet and spacious facilities ideal for term paper writing, last minute cramming or just studying.

What Is Faculty

(continued from page 1) a valuable addition but I'm only afraid that the ability to communicate in the classroom is our means of judging a good teacher."

How does he evaluate the MSU faculty?

"We need improvements but," he adds, "we're not as bad off as some conclude. Our worries are more superlative than at many other schools where the job is solely to teach. It is more difficult to teach an awareness of life here than at schools where the student has already acquired it."

MILLER refers here to the great complexity of students

attending Michigan State which presents a widely divergent type of person from all types of families and environments.

In fact, this is one of the biggest reasons why attending school in a university as large as MSU can be much more rewarding than in a smaller, intimate school.

"The complexity of a large school is tough, I know," admits Miller. "But we have big business, big industry, big government; we have size all around us. The problem is that we don't know what to do with this size. This has caused a crisis in our city governments. They have big problems such as traffic, smog, lack of tax revenue, and others."

"WE MUST now teach people to live in bigness and since most students live in big cities and work in big corporations, the experience of attending a big school can be extremely valuable."

"I think the greatest reason for wanting to learn is happiness," Miller says. "The human is always looking at the circumstances around him and, if educated, he sees it clearly."

"His life becomes an exciting pilgrimage if he can see new horizons. One may be perplexed by this education which makes him see more but he can devise a rationale for it. "Education gives life richness and a sense of great rewards."



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Sunday Masses: 7:15; 8:30; 9:45 (high); 11:15; 12:30

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Campus Religion - How Important?

Clergymen Note Student Apathy

Within the past two years there have been several articles written for national magazines concerning the part religion plays in the life of a college student.

In each case the writer concluded that a religious revival is taking place on college campuses across the nation. Church attendance is at a peak, enrollment in religion courses is increasing and there is a strong undercurrent of religious feeling gripping students.

HOW TRUE is this of Michigan State?

An informal poll recently conducted among clergymen of various religious organizations serving the campus revealed some surprising results.

The consensus of opinion is that if a revival is going on, which is doubtful, it has not touched Michigan State. Church attendance and participation has not dropped within the past few years; however, with the exception of one group, neither has it increased.

"THERE IS tremendous religious apathy campus wide," reported one minister. "At the beginning of fall term several of the larger denominations will have a youth group turnout of from 200-300. By winter term the number has dropped to a core group of perhaps 50. Within this core group there is great awareness of and interest in religion, but this is not reflected in the total student population."

Expressing somewhat the same view another minister said, "A lot of students are traditionally religious. They attend church because they were raised that way but there is no dynamics behind their participation."

"Such students are Biblically illiterate and in general not too religiously alert."

A LONE dissenter in these views felt that there was a change in the religious climate but not necessarily in the sense of a revival.

"A revitalization appears to be taking place in terms of religious depth," he said. "There is a greater seriousness and greater seeking on the part of

students, but I wouldn't be too sure of the numbers involved."

Curiously enough most of the clergymen who were interviewed did not appear particularly concerned about this "religious apathy".

"THINGS are no different now than they were ten years ago," said one minister. "The whole college era is a cataclysmic one. Many students come to college from homes where they were forced to attend church."

"Now that they are free to do as they please, church becomes an expendable item and a couple of hours of extra sleep on Sunday morning looks more inviting."

"Campuses reflect rather than lead the culture," said another minister, "and the whole problem of church attendance is cultural indifference."

"TOO MANY people use religion in a selfish way. It's a great tragedy that religion is not seen in terms of selflessness but selfishness."

The majority of the clergymen felt that churches were already doing everything in their power to combat this "apathy"; however, they did express a few ideas as to what should be done.

"The average Christian churches are sadly out of date and hopelessly behind the times," was the view of one minister. "University churches have the responsibility but not the personnel or finances. This is particularly true of many of the smaller denominations which do not have the state and national facilities of larger groups."

"Churches should listen more to the needs of college students instead of expecting students to listen to the church."

"The study and devotional side of worship should be stressed more," noted another minister, "and the department of religion should be strengthened."

Each of the residence halls has scholarship committees and awards to encourage and recognize high scholastic achievement.



TYPICAL of the many activities in which religious groups participate is this display being prepared by members of Wesley Foundation for the seventh quadrennial conference of the Methodist Student Movement recently held at Urbana, Ill.

Spiritual Development Aim of Religious Housing

Religious living units provide another type of housing for students after one year's residence at MSU.

At the present time there are five organizations sponsoring living units. They are Asher Foundation for Men (Christian Science), Asher Foundation for Women, Bethel Manor (interdenominational), Martin Luther Chapel and House (Missouri Synod) and the Y.M.C.A.

The primary purpose of the individual religious living units is to provide a home for students at MSU with a religious atmosphere which is consistent with its ideals, a well-rounded university life including a maximum scholastic opportunity and encouragement.

These living units operate through the supervision of the Dean of Students office. The Michigan State University campus—its 910 acres of campus graced by more than 13,000 trees—has long been known as one of the most attractive campuses in the world. Some 3,400 species of trees, vines, and shrubs are to be seen on the campus, adding to the layout of more than 300 buildings which make it one of the most complete educational institutions in the United States.

Michigan State University is a member of the Association of Land Grant Colleges and State Universities, and is accredited by the recognized regional association, the North Central Association of Secondary Schools and Colleges.

Groups Serving Campus

Religious needs of MSU students are well met by a variety of groups on campus.

The Baptist Student Fellowship holds weekly meetings featuring discussions and lectures. A new Baptist Student Center containing a lounge, dining and recreational facilities was opened in the spring.

THE B'NAI B'rith Hillel Foundation is devoted to cultural, religious, social and counseling activities among Jewish students. The regular Hillel program includes forums, discussions and study groups.

Members of Canterbury Club for Episcopal students participate in retreats, pancake suppers and discussion groups.

Uniting Christian Scientists at MSU and correcting erroneous impressions concerning the ideas of the Christian Science religion are the main purposes of the Christian Science organization. To promote this purpose, the group holds weekly testimonial meetings and sponsors two lectures a year by well-known Christian Science leaders.

PROTESTANTS of any denomination are eligible for membership in Christian Student Foundation. This group has as its purpose the furthering of Christian principles

among all students on campus. To accomplish this purpose CSF holds a religious retreat and sponsors weekly programs each term.

Lutheran students find ample opportunity for service in Gamma Delta. One of the group's main projects is to raise money for international Lutheran missionaries.

FRIDAY NIGHT movies and

Saturday night dances are a regular feature of Catholic Student Organization activities. The group also holds non-credit religion classes and daily religious services at the new Catholic Student Center on M.A.C.

Methodist students on campus find many opportunities for religious and social expression through Wesley Foundation.

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Lansing, Michigan
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11:00 A.M. — Regular Sunday School

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Mon. thru Sat. 9 a.m. — 5 p.m.

Mon., Tues., Thurs. & Fri. 7 p.m. — 9 p.m.

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You Are Cordially Invited To Attend.

Morning Worship At Peoples Church 9:30 and 11 A.M.	Campus Vespers At College House Each Sunday at 7 P.M.
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PARENTS ARE CORDIALLY INVITED TO WORSHIP AT PEOPLES CHURCH WHEN VISITING IN EAST LANSING 200 W. GRAND RIVER AVE. DR. WALLACE ROBERTSON, PASTOR

COLLEGE HOUSE IS OPEN DAILY. ITS FACILITIES AND PERSONNEL ARE PROVIDED FOR YOU 148 W. GRAND RIVER AVE. REV. JOSEPH A. PORTER, DIRECTOR

Dramatics

(continued from page 1) the subject and an interest in students, and a desire to communicate with them."

If the teacher is successful no matter what his field of study, Baskett points out, he may have created an educated person. His requirements for becoming an educated person make this a lofty goal toward which to reach.

"AN EDUCATED person is one who, in keeping with his capacities," he defines, "leads the examined life. His continually expanding knowledge, his deepening insight and his evolving attitudes gradually release him from the little cubicle of time and space into which he was born to give him a better understanding of himself, the world he inhabits and his relation to that world."

He is not merely a successful businessman or professional person, he adds, nor is he the owner of a fund of quiz-show knowledge. Rather he is capable of observing, analyzing and interpreting the concentric circles of experience about him.

Then, as a final qualification, he must use these experiences in the fullest development both of his personality and his relationship with his fellow man.

Baskett feels that the student can help himself to that goal if he will approach college with a positive, open mind.

"THE STUDENT should approach Michigan State with an awareness that his university experience will be largely what he makes of it," he says.

"All the facilities are here for advancing him substantially on the way to becoming an educated person during the next four years, and he will find these rewarding years only if he determines to make the most of them."

There are about 1,000 members of the Academic Senate while the entire academic staff of the University totals approximately 1,600.

For Biblical Faith Compatible With Learning

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The Rev. E. Eugene Williams, Pastor

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awaits each worshipper at this evangelical church whose members come from many denominations. Services at Trinity are designed to meet your spiritual needs in this university community.

WORSHIP SERVICES: 11 a.m. and 7:30 p.m.

SUNDAY BIBLE SCHOOL: 9:45 a.m.

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TRINITY COLLEGIATE FELLOWSHIP

MEETS AT 8:45 P.M. EACH SUNDAY FOR A BUFFET SUPPER AND CHRISTIAN FELLOWSHIP AND DISCUSSIONS.

FRESHMAN RECEPTION, SEPT. 26, 8:30 to 10 p.m.

TCF PARTY, SEPT. 29, 7:30 to 10 p.m.

'Co-ops' Maintain Economical Living

Economical living, household management, and group living are provided by the cooperative system of housing at MSU. The co-op system, of which there are seven member houses in East Lansing, originated in 1939 with Hedrick House, and was followed in 1940 by Elsworth House. There are presently over 200 students living in this system, ranging from 18 to 52 students per house.

Economical living is provided through the household management, performed by the students themselves. Each member of the house is assigned a specific function, which takes approximately five hours of his time each week. Cooking, cleaning, painting, are

among the various duties which help each of the members save over \$100 a term in comparison with dormitory costs.

THE MANAGEMENT of the household is performed by a small group elected from the membership to handle the finances, organize work details, order foodstuffs and plan meals, and meet any other problems that might arise.

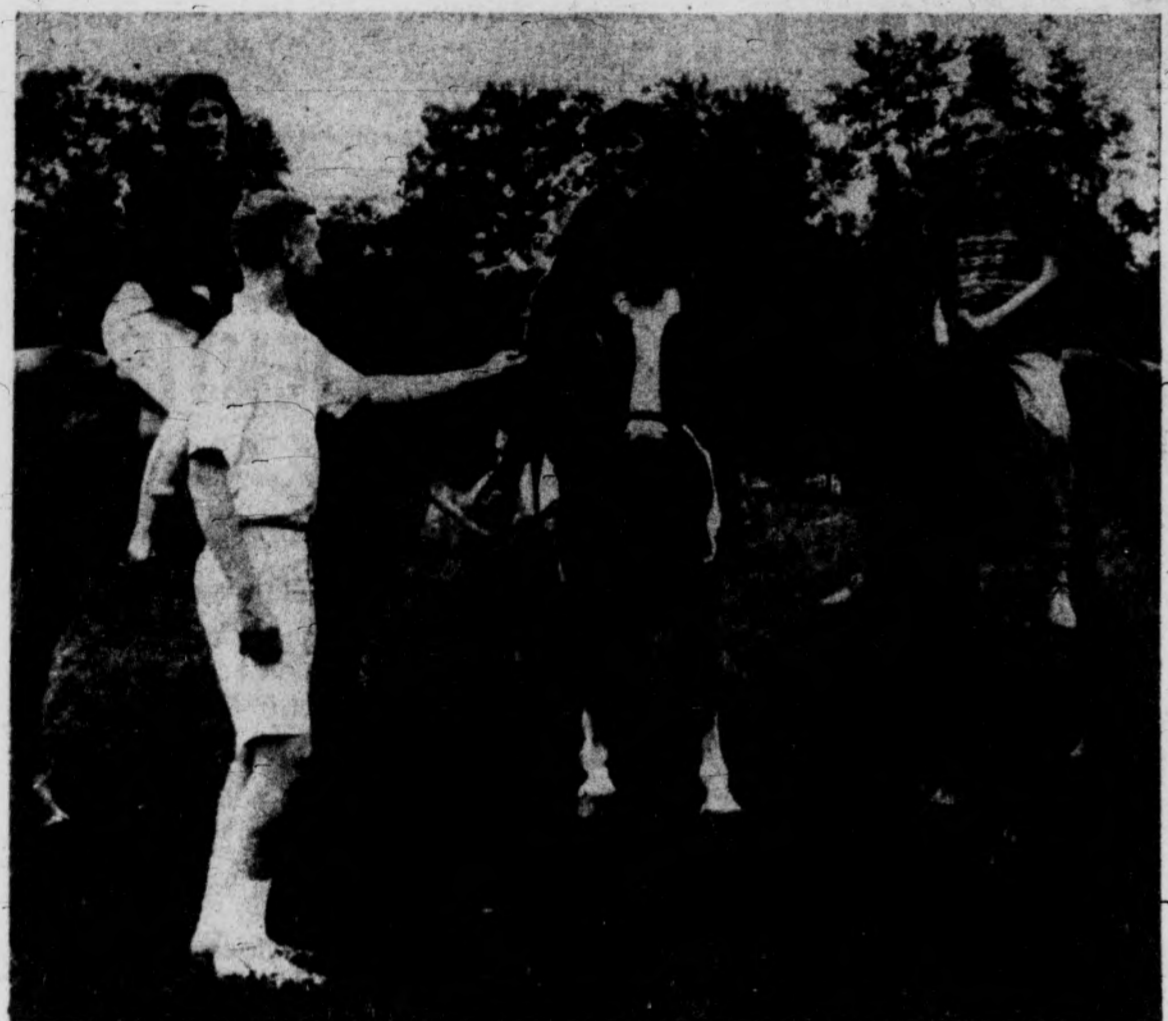
The Co-ops participate actively in intramural athletics, playing in competition with each other and with the independent leagues. Inter-Cooperative trophies are awarded the championship teams in football, basketball, softball and bowling.

THE INTER-COOPERATIVE council is the coordinating

agent of the various co-ops. It sponsors rush programs, wholesale buying and athletic rules and regulations among the co-ops. A scholarship trophy is also awarded by the council to the house with the highest average for a specific term.

The scholastic average of the cooperatives exceeds the all-university, all-dormitory, and the all-fraternity averages consistently. Elsworth House, with an all-house average of 2.93 last year, was the highest of all the living units at MSU.

The social side of cooperative living is not neglected, yet neither is it emphasized. Each house usually has a term party during each term along with record dances, hayrides, ski parties and picnics.



HORSEBACK RIDING is one of the many activities SOC plans for its members.

Gene Franklin, Mary Finucan, Carol Grier and Tom Randall pictured here are members of the organization of Off-Campus Students which seeks to promote unity among university students who live off campus.



COOPERATIVE living offers men an opportunity to manage their house in a business-like manner as well as participate in social and athletic activities through the university. Dwight Menard and Al Kronz examine a few of the magazines which arrive regularly at Elsworth House on West Grand River.

Group Helps Members

Students Off-Campus (SOC), was started in 1954 by a group of students who felt more could be done by off-campus students to benefit themselves and their community.

Before 1954 off-campus students were a nebulous, disorganized group. They had no pretense of organized political, social, or public service activities. Since that time the association has developed a tradition of activities and services unique among university organizations.

STUDENTS Off-Campus now assumes large responsibilities in the Welcome Week program including ushering at convocations, information center for off-campus students in Old College Hall, teas and smokers to help orient new students. SOC students annually sponsor a high school cooperation program each spring in the local

area to assist pupils coming to MSU. SOC also aids foreign students in presenting their annual "International Festival."

Another function of SOC has been in All-University Student Government where off-campus students are represented by thirteen members.

The organization plans to continue their tradition of helping through a series of projects which includes a new ride bureau service. Students Off-Campus also sponsor many IM teams each term in such sports as touch football, basketball, volleyball, softball and bowling.

IN SOCIAL activities, SOC has expanded to a year around

program of hayrides, football blocks, dances, parties and picnics.

Membership in the association is open to all students who live off campus in anything other than co-op or greek living units. Anyone who is interested in joining SOC may contact executive Vice President Mike Barbour or sign up at a special booth at registration.

Beaumont Memorial Tower stands on the site of College Hall (1857-1919), the first building in America erected for the teaching of scientific agriculture.

Greek Units Provide Community Planning

Twenty sororities are recognized at MSU. All but three of these organizations maintain chapter houses in East Lansing, and each has a house-mother who acts as hostess or adviser. Each has its own dining room and provides experience in community planning and living.

Activities of the fraternities are coordinated and governed by the Interfraternity Council. In addition IFC supervises fraternity rushing and co-sponsors the fraternity intramural program and Fraternity Sing.

Sororities are under the student supervision of the Panhellenic Council. This group supervises rushing, and assists in sponsoring various sorority activities.

There are four radio stations serving the area, WILS, WJIM, WKAR and WSWM-FM; and two television stations WJIM-TV (Channel 6) and WMSB (Channel 10).

The altitude of the campus averages 863 feet above sea level.

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ESPECIALLY FOR YOU

While you are in college you are cordially invited to take part in the services and activities of All Saints Parish. It officially represents the Episcopal church on campus and is thus designed especially for university people. You will find that many of its members belong to the faculty and student body and that its clergy are especially qualified to minister to students. Its services are designed to fit the needs of both high and low churchmen. Counseling and confessions are available to those who desire them. Canterbury Club is the Episcopal student organization at Michigan State which welcomes all Episcopal students on campus.

SUNDAY SERVICES

8:00, 9:30 and 11:00 A.M.

HOLY COMMUNION

Wednesday - 7:00 A.M.

followed by breakfast for the students

CANTERBURY CLUB

SUNDAY - 6:00 P.M.

FRESHMEN NIGHT OPEN HOUSE

Tuesday Night, September 26, 8:30 - 10:00 P.M.

All Saints Parish

ALL FRESHMEN INVITED

Organizations

(continued from page 2) spring term. Services sponsored by Tower Guard members include reading to the blind, recording for the blind, tutoring, and assisting students at registration.

The purpose of the Varsity Club is to promote a high standard of athletic achievement and create a fellowship among varsity athletes. To apply for membership one must be a sophomore letter winner.

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10:30 a.m. — Worship with continuing Church School for 3rd grade and under

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Reverend Jack Harrison ED 2-8921

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Parish Pastor: Charles T. Klinskick

Campus Worker: Miss Tecla Sund

Campus Pastor: Donald W. Herb

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Sunday Services — 9, 10:15 & 11:30 a.m.

Student Class — Sunday, 11:30 a.m.

Communion — Wednesday, 7 a.m. (followed by breakfast at 7:30 a.m.)

Choir Rehearsal — Thursday, 7:30 p.m.

Student Lounge — always open

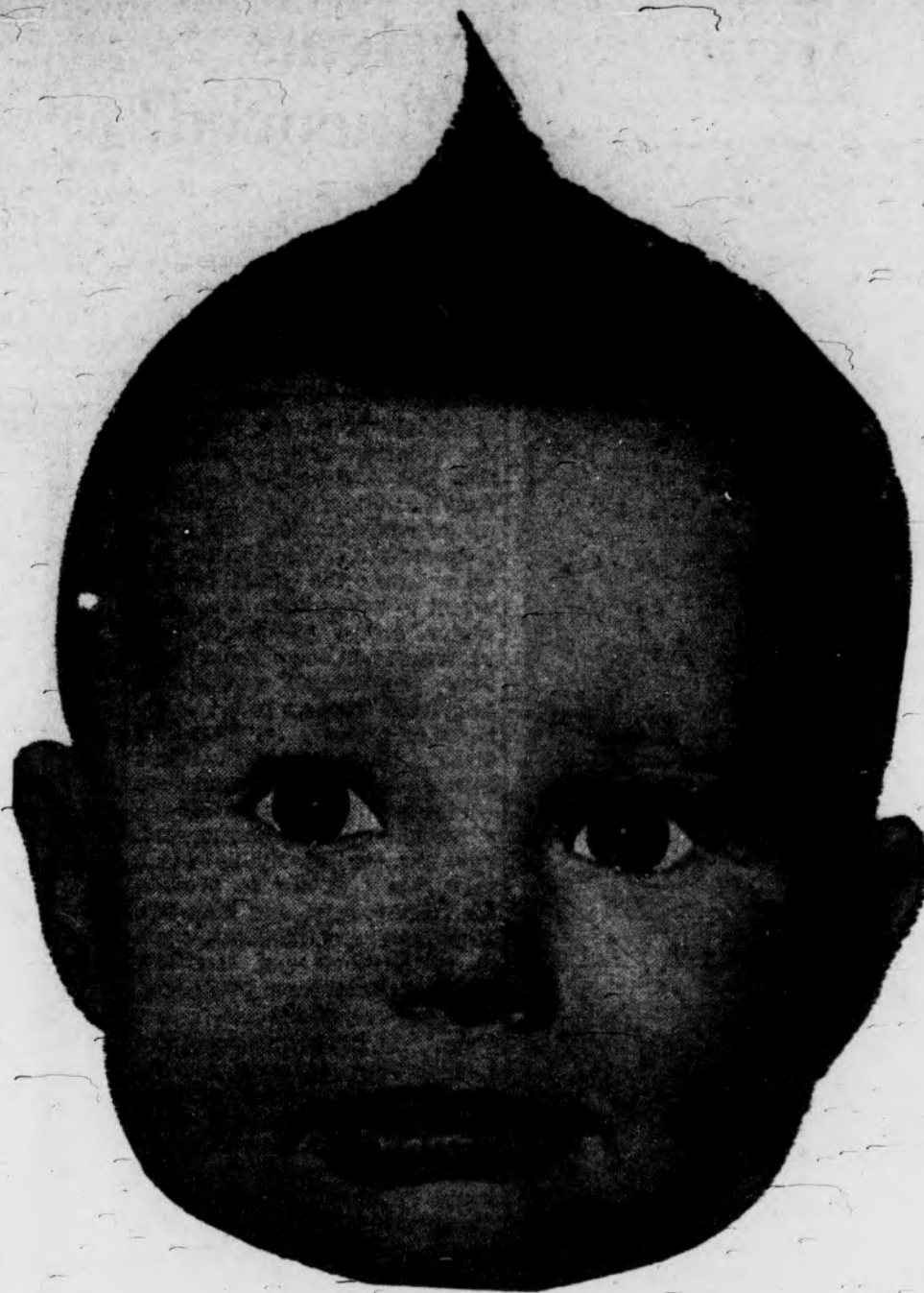
Telephone ED 2-5571

Saturday, September 30 — All Day

FRESHMAN RETREAT

8:30 a.m. to 5 p.m.

Register at the Church



THE ONLY PERSON
on Michigan State Campus
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 SORORITY ACTIVITIES
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STATE AND NATIONAL NEWS
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Michigan State News
Every Day

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BY MAIL — 1 TERM \$3; 2 TERMS \$4; 3 TERMS \$5

\$2,000,000 Telephone System Installed for Fall Use at MSU

"Centrex" Voids Switchboard

Students arriving on campus for the fall term will find a new telephone system, involving an investment of more than \$2,000,000 by the Michigan Bell Telephone company, ready for use.

The new system, known as "Centrex," will permit telephone users on campus to dial direct and receive local and long distance calls without going through a switchboard. The new system, when completely installed, will serve upwards of 10,000 telephones. It was first put into operation Aug. 20 when 3,500 telephones used by MSU administrative personnel, staff, and faculty were connected with the intricate switching equipment.

By Sept. 23, students will be able to make calls over 4,300 dormitory phones. Also on that date, about 500 telephones in MSU married housing units will be added to the new system. Starting Oct. 1, telephones in other married housing units will be changed over to the new system whenever a vacancy occurs.

DORMITORY students and other campus telephone users are requested to furnish their new telephone numbers to friends and relatives in order to speed up calls to them. Starting Sept. 23, parents and friends will be able to call by number directly to students' dormitory rooms without going through one or more switchboards.

UNIVERSITY officials decided to modernize the entire telephone system last year when it became loaded to capacity and would have required a sizeable investment to provide service for new buildings under construction.

Under the old telephone system, between 40 and 75 dormitory students, on occasions, were required to share a single



NEWEST addition to MSU dormitories is the Centrex telephone system which permits students to receive calls in their rooms and place calls without going through the university switchboard.

telephone, and frequently parents and friends were unable to reach students because of crowded telephone conditions.

Besides eliminating this unsatisfactory telephone service situation, Michigan Bell points out that the new "Centrex" system will enable students and instructors to contact each other directly without having to go through a switchboard.

The new system will save MSU about \$600 a month, the savings resulting from the elimination of switchboards in

major departments and dormitories.

THE NEW MSU telephone number is 355-1855. It replaces the old number ED 2-1511. The last four digits of the new MSU number commemorate the year the university was founded. The new MSU number and all other numbers on campus will consist of seven numerals, reflecting the new telephone numbering system that is gradually being introduced through Michigan Bell and other Bell system companies.

While installing new telephone cable throughout the campus, Michigan Bell also installed coaxial cable for closed circuit education television, linking main campus buildings and laboratories. MSU has made plans to expand its use of closed circuit television for teaching purposes. According to Michigan Bell, these cable facilities provide the university with adequate cable coverage to satisfy all education television and campus television needs for the foreseeable future.

Value Systems Influenced?

(continued from page 1)

Many of the students say that their greatest learning resulted from student "bull sessions." The report says:

"IT WOULD be difficult to justify that this time" (bull sessions) "is purely leisure if the students feel so strongly that this is a learning experience. . . . When asked what topics of conversation are most frequently discussed in the leisure time, the girls readily admit to boys, dates, sex, their major areas, marriage, how marriage can be combined with their professional aspirations, and from then on to a . . . variety of topics. . . . The first ones" (the boys) "mention are: girls, dates, sex, and then off into their major areas, when they plan to be married, the manner of living which they would expect to provide for their family, and then into other interests, hobbies, such as cars, sports and in a few instances television programs, reading, music, etc.

At the beginning of the interviewing sequence, specific questions regarding current events or world affairs were asked, and with very few exceptions the students were found to know relatively little about current events at this time. . . . When major political events occurred, such as the election, they would rent a television and keep it in their rooms for a few days but soon the novelty of this was gone and about all they knew of current events, world affairs, and politics was what they picked up from the headlines from the State News or what the professors might mention in class.

"They all stated they knew this was their world and soon they were going to be a major part of it, but their interests seemed to lie around 'today' and they felt there were other people immediately concerned with the problems of the world and somehow they felt they

could resist this responsibility for a little longer time."

On July 5, General Douglas MacArthur delivered an address to a joint session of the Philippine Congress. He said: "Global war has become a Frankenstein to 'destroy both sides. . . . If you lose, you are annihilated. If you win, you stand only to lose. No longer does it possess even the chance of the winner of a duel. It contains now only the germs of double suicide. . . . WE ARE in a new era. The old methods and solutions no

longer suffice. We must have new thoughts, new ideas, new concepts. We must break out of the strait jacket of the past. . . ."

In the light of General MacArthur's remarks, how should we characterize today's student? Apathetic? Ignorant? Hopelessly naive? Or as moving under a self-administered anesthesia of "boys, dates, sex; . . . girls, dates, sex?"

Shall we accept the verdict delivered by Grayson Kirk, president of Columbia University? In May 1959 he said:

"TOO LONG has American education attempted to co-exist with the popular belief that mediocre intellectual achievement is good enough, even preferable because it connotes a well-rounded man. Too long has the 'Gentleman's C' been tolerated because it can be gained without undue interference with social and athletic activities outside the classroom. Such an attitude can result in downgrading the cultivation of the mind to a secondary status."

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Fine oxfords, crisp broadcloth in button-down collars, tabs, and the entire line-up of fashion that does a perfect job of flattering your features. from \$5.50

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MICHIGAN STATE NEWS WANT ADS



Seasoned Gridders' Prospects Bright

Marching Band Plans 86th Year

The Marching Band will take to the field again soon in preparation for a new season. The band, under the direction of Professor Leonard Falcone, will begin daily rehearsals on September 17, to organize a series of half-time shows and street routines.

The MSU Band was founded in the year 1875. Since then, it has performed for three Presidents of the United States, made two trips to the Rose Bowl Game in Pasadena, California, as well as taking trips to many of State's football games to carry the spirit with the team.

Leonard Falcone, present director of the MSU Bands came here in 1927 and has built the band to its present status of being one of the finest in the nation today. Mr. Falcone is known across the country as an outstanding baritone horn player, clinician, and band director. He travels thousands of miles each year to appear as guest conductor and soloist with some of our finest bands.

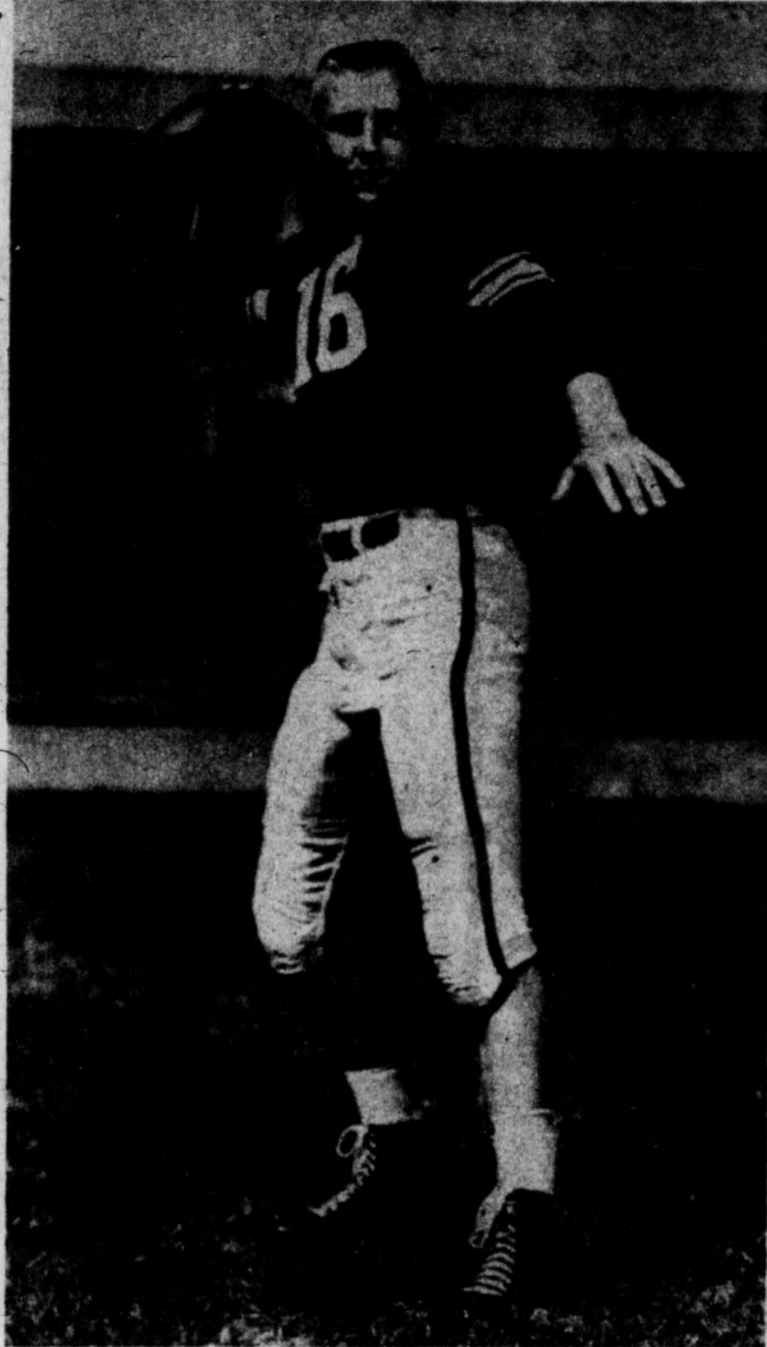
BILL MOFFIT, Assistant Director of Bands, came to MSU in 1960 from Kenton, Ohio, where he had had an outstanding high school band. With him, he brought a new concept in football half-time shows called PATTERNS OF MOTION, whereby patterns are constantly forming, moving, and changing into new ones without a

pause. Along with these eye-thrillers come new band arrangements of old standards, new hits, and good toe-stomper all arranged specially for the MSU Band by Mr. Moffit himself.

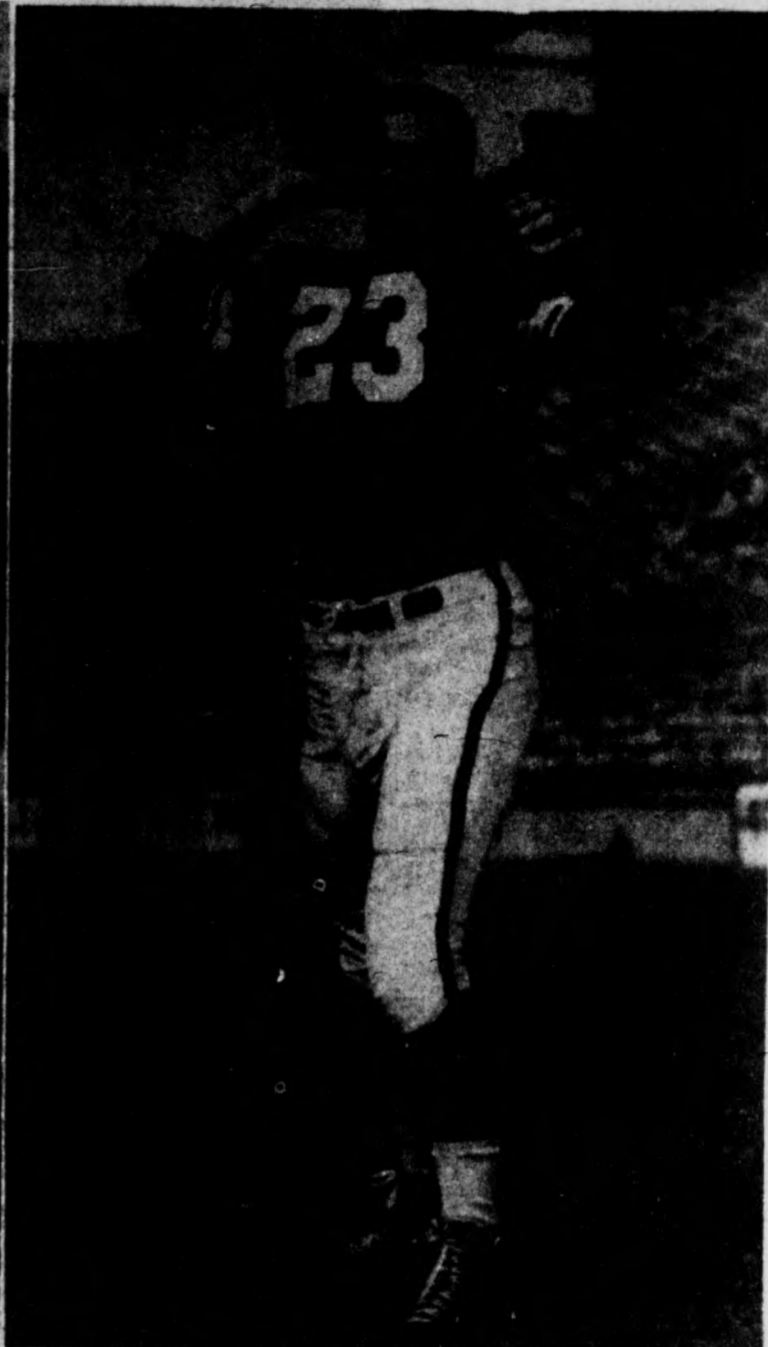
The beginning of the band's season this year will consist of daily practice approximately one week before the opening of classes. At morning sessions, the band reads through an enormous amount of material, and learns footwork and basic steps which will be combined to make up dance routines for football shows and street performances. In the afternoon sessions, the entire band unites to practice precision marching and group movements.

THE MARCHING BAND will make three trips with the football team this year through the courtesy of the Oldsmobile Division of General Motors. Depending on the length of the trip, the band travels on bus or train, with both means being exclusively for their transportation. The trips will be to the University of Wisconsin on September 30, the University of Michigan on October 14, and the University of Minnesota on November 4.

Any musicians who have had high school band experience and would like to join the MSU Marching Band may audition for Professor Falcone at his office in the Music Building.



Don Stewart



Pete Smith

Quarterback Could Make the Difference

Sophs Add Speed

Michigan State will be gunning for its first out-right Big Ten championship in football this season.

One big "if" remains to be resolved if the Spartans are to realize the potential ascribed to them by many observers. They have to come up with a quarterback capable of leading them to the title.

"We have a big job ahead of us," head coach Duffy Daugherty said. "We are neither optimistic nor pessimistic."

LAST YEAR Daugherty said that the Spartans were a year away from having a really good team. Even so the gridgers finished the season with a fine 6-2-1 won-lost-tied overall record and a 3-2 won-lost Big Ten mark which was good enough for a fourth place ranking.

If there is one thing which prevents Daugherty from bursting with optimism, it is the quarterback problem.

The team does not have an experienced quarterback. Daugherty says he will start with junior Pete Smith who did not letter as a sophomore. He rates Smith as a fine prospect.

"He could be a great one," Daugherty said. "He is fast and throws the ball well but his experience is limited."

BEHIND SMITH is Don Stewart. Stewart lettered last year as a halfback and while he is rated as a capable runner his passing ability is questionable.

Rounding out the uncertain quarterback picture are two sophomores, Doug Miller and Dick Proebstle.

Two of the reasons Daugherty declined to rank last year's Spartans as a great team were the lack of speed in the backfield and the inexperience in the line.

These two problems appear to be solved.

THE SPEED should come from a crop of promising sophomore backs like Sherman

Lewis, Dawey Lincoln, Ron Rubick and Herman Johnson.

The line will be bolstered by the return of 16 lettermen. Included in this group are such standout performers as Dave Manders, Art Brandstatter, Dave Behrman and Ernie Clark.

State will play seven conference games for the first time in their history. Daugherty sees this as an advantage.

However, he is worried about the first game with Wisconsin. The Badgers will have the advantage of having played one game before they entertain the Spartans in Madison Sept. 30.

LAST YEAR the Big Ten was possibly stronger as a conference than in any previous year. Big Ten teams lost just one game against outside opponents during the regular season.

Daugherty figures the Big Ten to be even stronger this year.

"No one team dominated the league last year and it could be the same this year," he said. "Three or four teams could be truly great teams."

"I THINK that there will be three teams that will be better than any of the teams were last year. I don't know which three but everyone seems improved. It is possible that Minnesota (last year's Big Ten champ) could be even stronger this year and not even finish in the first division!"

According to Daugherty the teams which should be outstanding are Michigan, Ohio State, Iowa and Minnesota. He also rates Wisconsin as a dark-horse largely because of their fine passer, Ron Miller.

The Spartans will continue to utilize a multiple offense with emphasis on the winged-T formation which served them so well last year.

A new wrinkle is that they will operate behind a brand new "bi-line" system. This means that all of their plays can be run from either a balanced line or a line unbalanced either right or left.

THIS WILL be the first time a balanced line will have appeared at Michigan State since 1946. It is also believed to be the first time in college football history that a team will operate regularly behind both balanced and unbalanced lines.

Daugherty will again follow a platoon substitution pattern whenever possible.

There will be No. 1 offensive and defensive units with players selected for them on the basis of their special abilities.

Behind these two units will be an alternate eleven from which substitutions will be made.

The Spartans will play five home games and four on the road. Homecoming will be Oct. 28 when Indiana comes to Spartan Stadium.

'Born Yesterday' First

University Theatre Sets 1961-62 Season

The University Theatre's 1961-62 season will open with a bang—and a clatter—with Harry Brock, the greatest junk man of them all, is tripped up by his dumb, blond girlfriend, Billie Dawn. This happens during the course of Garson Kanin's famous comedy "Born Yesterday," which is to be presented November 1 through 5 in Fairchild Theatre.

The other major productions offered by the Department of Speech during their regular season will be: Marlowe's tale of a scholar who sells his soul to the Devil, "Dr. Faustus"; Bertolt Brecht's provocative fable set in China, "The Good Woman of Setzuan," a play dedicated to the theme of how people of good will must acquire the strength to cope with impositions upon them; "A Streetcar Named Desire," Tennessee Williams' searing search through and revelation of the soul of a warped woman; and, finally, the all-campus musical, "Brigadoon," Lerner and Lowe's delightful jaunt into the magical highlands of Scotland.

"IN BORN YESTERDAY," Harry Brock, a crook who began his career by stealing from a junk yard and immediately taking the scrap-iron around to the front door to re-sell it to the junk yard owner, who gradually gained control of that yard and then another and still another and who now, in the year 1945, owns more junk yards than anyone else, has grandiose ideas about pushing legislation through Congress which will enable him to collect and sell all of the scrap-iron left lying around all over the European continent after World War II.

This plan, though, means that Brock must move his group of attendants and "hangers-on" to Washington, the better to control the shyster lawyer he has at work there and the Senator he is "buying" to push the right bills.

However, Brock quickly discovers that his breathtakingly beautiful and breathtakingly stupid girlfriend, Billie Dawn,

just won't fit into Washington society as she is when we first see her. Her background as a chorus girl in a Cole Porter musical has hardly prepared her to meet and associate with the wives of Congressmen. In fact, everytime she opens her mouth, she sets back the passage of Brock's pet bills by several months.

Brock's solution to this problem is not to get rid of Billie—for he really loves her—but rather to turn her over to Paul Verrall, a bright young writer for the New Republic, in order to have her educated and

"smartened up." The body of the play tells, in hilarious fashion, of the process Verrall has to use to convert Billie from a state where she has everything in the world that she wants—two mink coats—to the point where she is appreciating Sibelius and the works of Thomas Paine.

BUT THE man who said, "A little learning is a dangerous thing" must have had someone like Billie Dawn in mind. Billie's smattering of education proves to be extremely dangerous for Brock; she comes to realize that he is a ruthless

promoter who is trying to circumvent the law and subvert legislators, as well as to ride roughshod over ordinary people's feelings. That's enough for Billie! Once she realizes just what it is that Brock is trying to do, she sides with Verrall in an attempt to destroy this modern day robber baron.

The method Billie uses to control Brock and the baffled frustration of the junk man provide a new round of laughter upon which to conclude this play crammed with hearty laughs.

In spite of the fact that "Born Yesterday" was Garson Kanin's first attempt at writing a Broadway comedy, he produced one of the "slickest" debunking farce-comedies since the heyday of George S. Kaufman. To that master's antics and "wise-cracks," Kanin added a serious concern with the method by which our government works and an eternally timely warning about letting the "other fellow" protect our rights.

As Robert Garland, critic of the New York Journal Ameri-

can, said "Born Yesterday" is "a funny play with unfunny implications; a tough, tender, terrifying show piece with everything to recommend it to the theatregoer in search of entertainment, enlightenment or a swift kick in the great American-complacency." You'll like the University Theatre's production of "Born Yesterday."

Admission to "Born Yester-

day" and to 15 other dramatic events during the school year, is available through the University Theatre Season Coupon Book. All 16 events are only \$5 when one purchases a Season Coupon Book from one of the many salesmen at various points on the campus, from the Union Ticket Office, from the Box Office in Fairchild Theatre. Coupon Books are on sale now.

Arena Theatre and Films Offered by University Theatre

Two bonuses will be offered by the University Theatre to holders of the University Theatre Season Coupon Books.

Persons buying the coupon books will have the opportunity to view seven film classics and three experimental plays. The three plays will constitute the Arena Theatre Series. The plays are chosen from original, avant-garde or classical scripts and constitute something out-of-the-ordinary in theatrical fare.

The plays will be directed by advanced students in the speech department and will be announced after they are selected by the directors. A coupon out of the coupon book may be exchanged for a general admission ticket one week in advance of the performance.

Opening the Film Classics Series will be "Broken Blossoms" on Oct. 13. The movie was directed by D. W. Griffith, the undisputed master of the silent motion picture. The style and techniques utilized in "Broken Blossoms" have had a profound effect upon all later movies.

Other directors regarded as masters of their trade who will be featured in the series are Alfred Hitchcock, Rene Clair, John Ford, Sergei Eisenstein,

Ernst Lubitsch and John Huston.

The movies will be shown in the Anthony Hall Auditorium at 7 and 9 p.m. on Friday nights. As each patron enters, his coupon book will be punched, and he will be handed a sheet containing significant information about the evening's film. This will enable the viewer to watch for points of particular interest during the showing of the film.

The series is intended to be a study of the various motion picture directors and the masterpieces that they made for the film industry.

Late Hours Girls!

AWS will give late permission to freshmen women attending University Theatre productions on week nights.

In the past freshman women have been seen backing up the aisle of the theatre at 9:55 in order to make their dormitory deadline. This will no longer be necessary.

University Theatre plays begin at 8 p.m., and normally end about 10:15 p.m. The new ruling requires women to be in their dorms one-half hour after the final curtain falls.



University Theatre

THESEPIANS—Studying the script for the University Theatre's production of "Born Yesterday" are, from left: Nicholas Howey, East Lansing senior, Judy Nichols, Shelby sophomore, Ann Cloffi, East Lansing senior and Charles Cloffi, East Lansing graduate assistant. The four will be trying for parts in the play which opens Nov. 1.

WMSB Presents Cultural And Information Programs

From William Shakespeare to Edward Albee, from a Purcell opera to Richard Rodgers, from a little farm house in France to the White House—this is WMSB television.

Beginning in September and continuing through the 1961-62 television season, WMSB and National Educational Television, will be presenting some of the most significant cultural and informational programs ever produced for television viewing.

Wednesday night will again be "Fine Arts" night at WMSB. Henry Harris, associate professor of piano, will return with his "Great Composers" series. At 7 p.m. Wednesday, October 18, a special program featuring the graphic works and sculpture of Kaethe Kollwitz, the distinguished German artist, will be looked at in a special program which illustrates the brief but intense life of Amedeo Modigliani, 20th century Italian artist. 7 p.m. Wednesday, November 1.

At 4 p.m. Sunday, September 17, and again at 12 noon Monday, September 18, and weekly thereafter, WMSB will present "Television International," a presentation of timely and highly important public affairs programming.

"TELEVISION International" includes documentaries that highlight significant people, places, and events across the globe as well as discussions among people who shape international policies.

Two one-hour series, "Intertel" and "Prospects of Mankind," form the basis of the public affairs schedule.

The "Intertel" series is produced by the International Television Federation, which consists of television producing companies in Canada, Australia, Great Britain and the United States. The purpose of the series is to offer viewers a fresh, detached look at vital world topics. To achieve this, each of the participants will produce programs on subjects that primarily concern a na-

tion other than their own. For its first program "Intertel" visits France, a familiar and puzzling ally and partner in Western heritage. "The Heartbeat of France" turns its cameras to the intimate lives of the French people. The program suggests that the key to understanding France lies in the individuals that make up her people.

"Television International" brings Mrs. Eleanor Roosevelt and her popular "Prospects of Mankind" series back for its third NET season. This series will continue to bring together eminent persons for discussions of international issues.

DURING the coming months M.S.U. will have the opportunity and obligation to provide a weekly television and radio report to the people of Michigan concerning the many facets of the Constitutional Convention. These reports will be broadcast for the purpose of providing the electorate with continuing information about the proceedings, the issues, and the problems of the convention.

To accomplish these ends WMSB and WKAR are preparing a series of programs under the title of "Special Convention Report." The programs will be broadcast live on WMSB Monday evenings from 7:00 to 7:30.

At 1:30 p.m. on Sundays and at noon on Wednesdays throughout the season, WMSB will present "Significant Persons," developed around NET's award-winning "Heritage" series. Scheduled to excite the mind and imagination during the year are composers Walter Piston and Richard Rodgers and photographer, Edward Steichen.

The life and work of composer Aaron Copeland will be presented in a two-part series, "Contemporary American Composers."

Also included on WMSB's "Significant Persons" will be the ten-program series, "Playwright at Work." This is an introduction to the work and guiding principles of young

dramatists like Lorraine Hansberry and Edward Albee.

COMEDY AND PATHOS of life are interpreted by Marcel Marceau, and the five-part "Photography: the Incisive Art," will feature famed photographer, Ansel Adams in a vivid demonstration of his art.

Two other series round out "Significant Persons" on WMSB. "Face to Face" presents living portraits of Dr. Carl Jung, Dame Edith Sitwell, Henry Moore and others. And authors like Kingsley Amis, Nadine Gordimer, and Octavio Paz are featured in the continuing series "Writers of Today."

"An Age of Kings," history in epic Shakespearean fashion: "NET Drama Festival," twelve classic plays produced abroad; "The Boston Symphony," full length concerts; "Dido and Aeneas," complete operas; "Mirror of Man," a blueprint of developments in contemporary art.

These are the kinds of programs that make up WMSB's "Festival of the Arts." A concentration of distinguished programming to be broadcast at noon on Fridays and repeated at 3:00 p.m. on Sundays during the 1961-62 television season.

"FESTIVAL OF the Arts" is developed around "An Age of Kings," fifteen superb presentations of eight Shakespeare plays that recreate eighty-six years of turbulent and fascinating British history.

During introductory and concluding remarks in each of the fifteen programs, Dr. Frank Baxter, well known television personality and Shakespeare scholar, will sort out the genealogical, geographical, and historical threads.

WMSB will present complete concerts by the Boston Symphony Orchestra and the Boston Pops. During the concert intermissions, there will be interviews with guest conductors, soloists, or composers whose works are being performed.

Two operas, "L'Heure Espagnole" by Ravel and "Dido

and Aeneas" by Henry Purcell are brought to WMSB viewers in two one-hour programs. The singers and musicians are graduate students at the New England Conservatory of Music. Boris Goldovsky, director of the Conservatory's opera department, conducts the operas and also presents an historical and musical analysis.

ACTOR VINCENT PRICE, an experienced art collector and

connoisseur, hosts "Mirror of Man," a fine visual experience as well as an excellent survey of the developments in contemporary art since the turn of the century.

"Festival of the Arts" brings Pare Lorentz, a pioneer documentary film maker, in three 90-minute programs striving toward an understanding of film production as an art. Included are such documen-

taries as "Fight for Life," a close look at the problems of childbirth and everyone who is somehow involved in a child's birth, and "The Plow that Broke the Plains," concerning the problems of land conservation and land erosion.

"The Nuremberg Trial," originally produced in Germany and distributed in Germany immediately after World War II, is the center of the

third and final program. This Lorentz documentary has never been distributed nationally in this country. The film documents the trials, recounts the major charges made against the war criminals, and presents a brief history of the war itself.

RETURNING TO WMSB this season will be the "NET Drama Festival," including twelve complete plays. Among them

are a Moliere comedy in French, "Le Malade Imaginaire," and a medieval Japanese drama produced in Japan, "Tun Hwang." Other dramas will include "Julius Caesar," "Henry V," "The Master Builder," and "Antigone."

NET and WMSB believe that the "Festival of Arts" will be the season's most enriching, and at once most enchanting extended television offering.



AGE OF KINGS—This is a scene from "Band of Brothers" a show in the fifteen-part television series "An Age of Kings." The series consists of eight Shakespeare plays covering the lives and times of the 15th century kings of England. It will be shown on WMSB, Channel 10.

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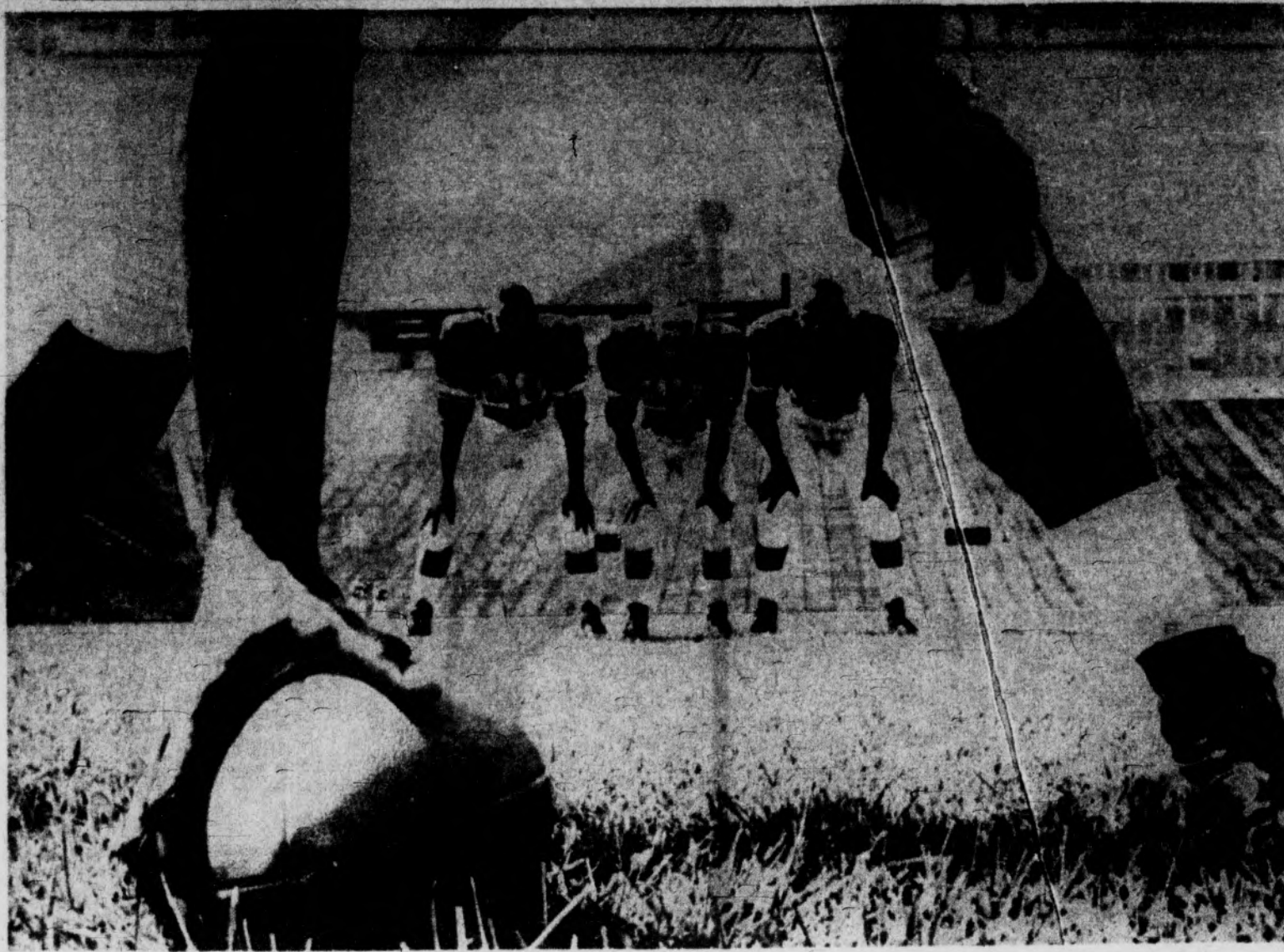
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They haven't had in recent years—speed. The trio are all sophomores and the coaching staff has high hopes for them.

they haven't had in recent years—speed. The trio are all sophomores and the coaching staff has high hopes for them.

Ryan Leads Spartans

Ed "Rocky" Ryan, this year's Spartan football captain is a unique blend of interests and abilities.

On the field, he is a "hard-nosed" linebacker of considerable skill who delights in knocking lesser men to the turf.

Off the field, the 21-year-old senior presents an entirely different picture. He displays none of the gorilla-like qualities which popularly characterize the campus gridiron hero.

HE IS a devoted family man with a six-months-old daughter. His quiet, serious, unassuming manner would be disarming even to the most bitter critic of the college athlete.

Duffy Daugherty, head football coach, enthusiastically endorses Ryan as a gentleman and a football player.

"Ed leads by example," says Daugherty. "He is a great competitor and when the going gets tough, Ed gets tougher!"

"He knows only one way to play—all out!" "He hits so hard!"

BY WAY OF illustrating his last remark, Daugherty furnishes an anecdote.

"In the Purdue game Ryan made a vicious tackle and broke his nose. He never said anything; he just continued to play. After the game when we

discovered the injury we had a special helmet made for him to wear in the Northwestern game.

"The helmet had a strong plastic nose bar to protect him from further injury. The equipment manager said it was impossible for the nose bar to be broken or bent. I insisted that they have a duplicate made anyway."

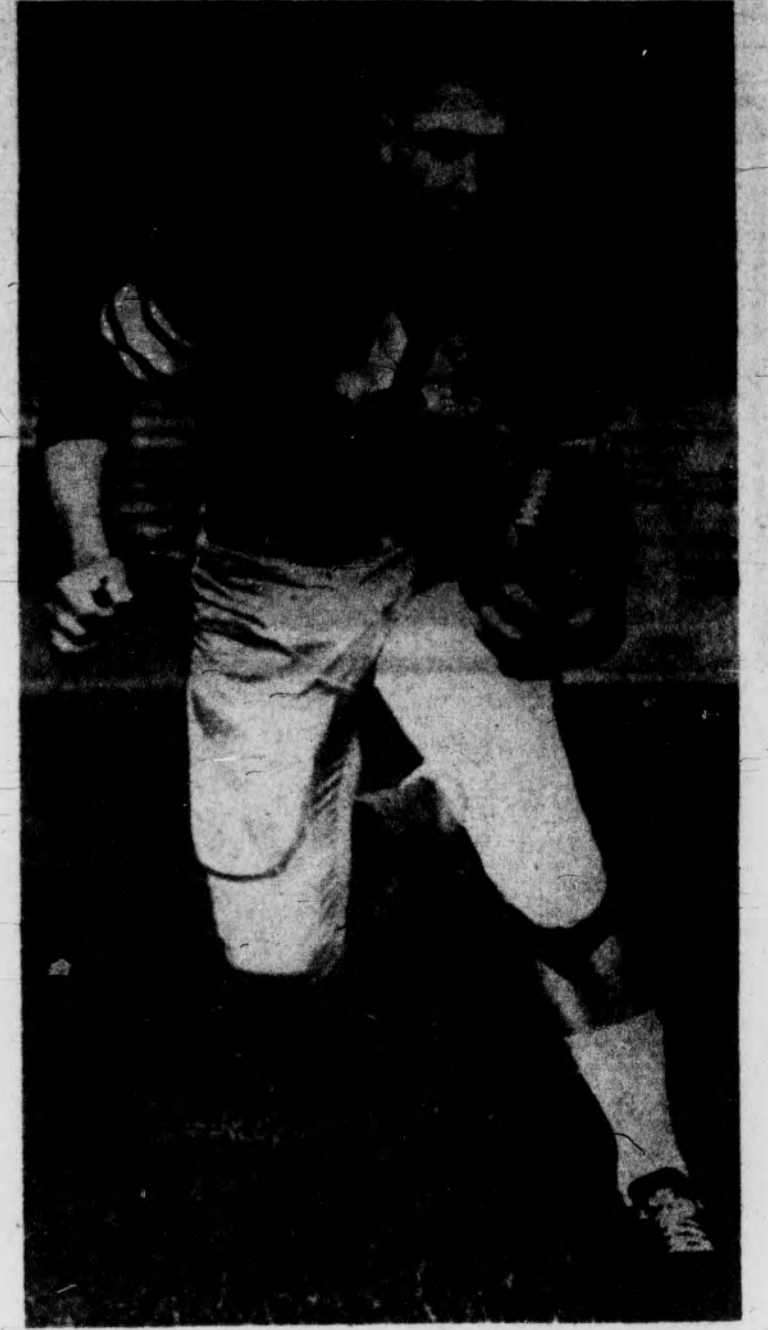
"SURE ENOUGH in the Northwestern game Ed tackled a Wildcat with such ferocity that the bar was bent and they had to cut the helmet off his head. Luckily the duplicate was handy and he finished the game."

Ryan is optimistic about this season. "This should be our year," he said. "We have a real good team and are going for the top spot."

Ryan majors in police administration and maintains a grade-point average of about 3.00. Last year he was named on the national All-Scholastic team.

HE GRADUATED from Leo High School in Chicago in 1957. He originally enrolled at Notre Dame but quit to come to MSU in the spring of 1958.

Daugherty reportedly reminded Joe Kuharich, Notre Dame's head football coach, of this when the Spartans bounced the Irish 21 to 0 last year in South Bend.



"ROCKY" RYAN

Give Team Speed

Sophs Hold Key

By TOM DE WITT
State News Staff Reporter

Michigan State's football team hopes to overcome a major problem that has plagued it for many seasons—speed in the backfield.

The hope lies in the speedy sophomores Sherman Lewis, Dewey Lincoln, Ron Rubick, Earl Lattimer, Herman Johnson and Roger Lopes. The coaching staff feels these young prospects are one of the finest

and fastest groups of players to come from the freshman squad in years.

The Spartans will continue to use the multiple offense with emphasis on the winged-T, allowing opportunity for a wide variation of running plays for which these sophomores are being groomed.

LEWIS WAS voted the varsity's most valuable player in the Old Timer's game last spring by the press and radio broadcasters.

Offensive Backfield Coach Bill Yeoman said that he is probably "one of the best breakaway runners we've seen in the past few years."

Lewis, who is 5'9", 160 lbs., will probably play right halfback, subbing for senior Gary Ballman. He is 19 and hails from Louisville, Ky., where he was picked for the All-Kentucky state championship team in 1959. He also runs track. Last season, he tied the frosh 60-yard dash mark of .06.3.

Pushing Lewis for the right half position will be Ron Rubick, 5'3", 175 lbs., from Manistique, Mich., who looked good in spring practice.

Yeoman said of Rubick, "He

is a nice player to have around. He's got a good mental attitude, speed, and desire. You tell him to do something and he will do it."

Rubick scored 184 points this senior year in high school ranking him second among the all-time Michigan schoolboy scorers and was his team's captain.

Lattimer and Lincoln are the new faces at left half. Lattimer, who is from Dallas, Texas, and who was picked as the top back on the frosh team last fall, has lots of power and that all-important speed. He was team captain of his high school team three times and the All-State choice in football three times and twice in track. He is 5'11" and weighs 203.

Lincoln ranks as one of the best backs to come out of Hamtramck High, long noted for its top football players, scoring 138 points and winning All-State honors his senior year. He did many things in spring practice and stacks up as a strong offensive performer. He has fine speed and a good change of direction faculty. He is 5'10", 185 lbs.

HERMAN JOHNSON is also out for the left half spot but his fine defensive playing at the spring practice demon-

strated hidden talents to the coaching staff and as a result he will probably play the defensive position in the fall.

"He is tall and rangy and can make good fast moves on pass defense. His height and jumping ability are needed in our defense," said Yeoman.

Johnson was All-State end and halfback from Plainfield, N. J., in 1960. He was also a crack hurdler and broad jumper.

He has lots of speed for his size—he is 6'4" and weighs 213. The last of the speedsters hails from our newest state where he was an All-City full-back for two years and the state champion shot putter.

ROGER LOPES, from Honolulu, Hawaii, has amazing speed for his size, and shows a lot of promise as a fullback. He is 5'11" and weighs 215.

Lopes graduated from Iolani high school and was coached by Tommy Kaulaukakui, former MSU staff member. Lopes is a strong runner and a fine blocker but he will find the full-back position hard to crack because of the top talent already filling it. Senior Ron Hatcher and Junior George Saines should get the starting call.

Soccer Team Rated "No Pushover"

Soccer coach Gene Kenney will field a team of outstanding veterans and promising sophomores this year as he attempts to continue his remarkable record since joining the MSU coaching faculty.

In the six years that Kenney has coached the Spartan Soccer team, his teams have won 37 games, tied 2 and lost only 3. Last year the Spartans lost in the NCAA regionals to St. Louis University and St. Louis went on to capture the NCAA crown.

Kenney again rates St. Louis as the team to beat but he says the Spartans will be no pushover.

"We figure to have a fairly good team," said Kenney. "We have five promising sophomores joining the team and one new transfer student."

He named Sam Donnelly, Stan Stelmashenko, Ted Seyfarth, Mamy Adegbite and Art Dworken as the sophomores he is counting on. Bill Onopa is the junior transfer student.

In addition to these first year men, Kenney has four All-Midwest players—back and Dutch Kemerling an All-American selection at center-half.



CARILLONNEUR—Wendell Westcott, assistant professor of music, is shown playing the carillon in Beaumont Tower. Westcott plays for 15 minutes twice a day at 8 a.m. and 5 p.m. On Sundays he plays a 45 minute concert at 2 p.m.

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GIFTS... LUGGAGE... HANDBAGS



"MIRACLE WORKER"—Eileen Brennan as Annie Sullivan clasps Donna Zimmerman who plays Helen Keller in a scene from the play "The Miracle Worker." The play will be here Jan. 25.

L-C Series Brings Culture to MSU

"The Miracle Worker" is the 1961-62 Lecture-Concert prize winning Broadway drama Series on campus. Each year Michigan State will be one of the highlights of

under the auspices of the Lecture-Concert Series, brings a number of outstanding groups and personalities to East Lansing to contribute to the cultural life of the university.

THE ROAD COMPANY of "The Miracle Worker" will present the William Gibson play on Jan. 25.

The play is packed with the humor and drama, the tears and triumphs which are the stuff of life. It is the story of Annie Sullivan's fight to bring a sense of communication to blind, deaf and dumb Helen Keller.

THE PLAY will be one of five "specials" in the Lecture-

Concert schedule.

Other "specials" include the New York City Ballet on Oct. 12, the New York City Opera Company on Nov. 21, the Boston Pops Orchestra on Feb. 15.

THE WORLD TRAVEL SERIES has scheduled 20 films and lectures for the 1961-62 season.

Harriers Defend Crown

MSU's Cross Country team will be shooting for their eleventh Big Ten championship in twelve years as they head into a full schedule of fall meets.

Coach Fran Dittrich's fifteen-man squad has a hard core of seasoned lettermen as well as several promising sophomore additions which could easily give the long distance men another successful season.

Winning the Big Ten title has become a habit for the team. They have missed only once in the twelve years since entering the competition, and last year they again picked up the laurels at the annual meet in Chicago's Washington Park.

DITTRICH said that his returning lettermen are: Robert Humberger Jr., Senior and last year's Big Ten Individual Champion; Gerald Young, Senior, last year's winner in the Big Ten 4 mile run, Morgan Ward, Senior and George Tatu, Senior.

"I also have several fine sophomores including: William Stewart, Richard Gyle, Richard Ford, Alvin Duncan, Ronald Harning and Tom McCue, who will do a great deal in strengthening the team," he said.

The squad opens their sea-

son against the Air Force Academy at MSU, Oct. 4th. They move to Ohio State, Oct. 7th. On the 14th, they move to Wisconsin for a meet with the Badgers.

On the 28th, they will host Penn. State and will then travel to Notre Dame for a weekend run against the Fighting Irish.

ON THE 17th of Nov. the distance men will defend their Big Ten title in Washington Park, Chicago. Dittrich said that he feels the stiffest competition this year will come from Iowa and Indiana. "I feel these two schools will give us our toughest competition."

They have some excellent performers," he said.

The IC4A Tourney will take the team to New York City on the 20th of Nov. and on the 27th, MSU will again host the National Collegiate Championships at the Forest Akers course.

Dittrich said that he expects that approximately 40 teams will be entered in the annual meet. MSU took second place honors last year behind a strong team from the University of Houston, Tex. In 1959 they donned the national crown and according to Dittrich, "we have a very good chance to repeat again this year."



ON YOUR MARK!—Spartan Harriers prepare to run over grueling cross country course at Forest Akers.

Where They Play

The Spartan athletic teams have some of the finest athletic plants for their intercollegiate competition. For the most part they are confined to a closely knit area on south campus. The squads, their plants and seating capacity are:

Spartan Stadium	Football	76,000
Jenison Fieldhouse	Basketball, Indoor Track	12,500
Old College Field	Baseball	5,000
Forest Akers Golf Course	Cross Country, Golf	
MSU Ice Arena	Ice Hockey	4,000
IM Sports Arena	Wrestling, Gymnastics, Fencing	2,600
IM Indoor Pool	Swimming	2,000
Ralph H. Young Field	Outdoor Track	3,500
Secret Practice Area	Soccer	
Stadium Tennis	Tennis	

WELCOME... M.S.U. STUDENTS



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FOOTBALL COACHES—From left: Dan Boisture, Vince Carillot, Hank Bullough, Bill Yeoman, Cal Stoll, Burt Smith and Gordie Serr. These men will lead the Spartan 1961 campaign.

'Duffy' Heads Capable Crew

Michigan State's football coaching staff is an unbeatable combination of youth and experience. The average age of the eight coaches is 36 years and 120 years experience in football as players and coaches. With the

exception of Burt Smith, who was an outstanding baseball and hockey player at Michigan. They have all had experience as college football players.

Leading the staff is Hugh "Duffy" Daugherty. The genial Irishman has been head coach for seven years and during that period his Spartan teams have had losing seasons only twice.

HE IS highly regarded nationally for his coaching abilities and he has served as a coach in the North-South Shrine game, the East-West Shrine game and the Hula Bowl.

In 1955 Daugherty was elected "Coach of the Year." That year the Spartans lost only one game and beat UCLA in the Rose Bowl.

In 1954 when Munn became MSU's athletic director Daugherty was installed as head coach.

BURT SMITH joined Daugherty in 1954 and thus becomes one of the senior members of the staff. He was graduated from Michigan and moved here

from Flint Northern High School where he was head football coach.

Smith is an administrative assistant to Daugherty as well as a freshman coach.

Another charter member of Daugherty's staff is backfield coach Bill Yeoman. This is quite a change for Yeoman since he was an All-American selection in 1948 as a center for Army.

Yeoman also served as a coach at West Point in 1949 and 1950.

THE SPARTAN'S offensive line coach, Gordie Serr, is well suited to his task. He was regular left tackle on State's national championship team in 1952.

Coaching State's ends for the third season is Calvin Stoll, a standout flanker himself at Minnesota. Stoll came to Michigan State after serving as an assistant coach at the University of Georgia for two years.

Also serving his third year on the staff is Hap Bullough

the defensive line coach. Bullough played at MSU as a guard for three years and was a starter on the 1953 Rose Bowl team.

THE MOST RECENT addition to the coaching staff is assistant backfield coach Vince Carillot. Carillot was graduated from Michigan State in 1950. While an undergraduate here he played under Biggie Munn.



"DUFFY" DAUGHERTY

'Spartans'

Michigan State's first southern baseball training tour back in 1926 provided the setting for the birth of the "Spartan" nickname.

It all came about when two Lansing sports writers imposed the "silent treatment" on a contest-winning nickname and substituted their own choice.

In 1925, Michigan State College replaced the name Michigan Agricultural College. The college sponsored a contest to select a nickname to replace "Aggies" and picked "The Michigan Staters."

GEORGE S. ALDERTON, sports editor of the Lansing State Journal, and Dale Stafford, publisher of the Greenville News, then employed by the Lansing Capitol News, decided the contest-winning name was too cumbersome for newspaper writing.

Among the nicknames rejected in the college-sponsored contest was "Spartans," the nomination of Perry J. Fremont, a former athlete.

While the baseball team was in the south that year, the nickname "Spartans" was first used. Rewriting game leads, Alderton first used the name sparingly and then ventured into headlines with it.

AS ALDERTON explains: "No student, alumnus, or college official had called up the editor to complain about our audacity in giving the old school a new name, so we ventured into headlines with it."

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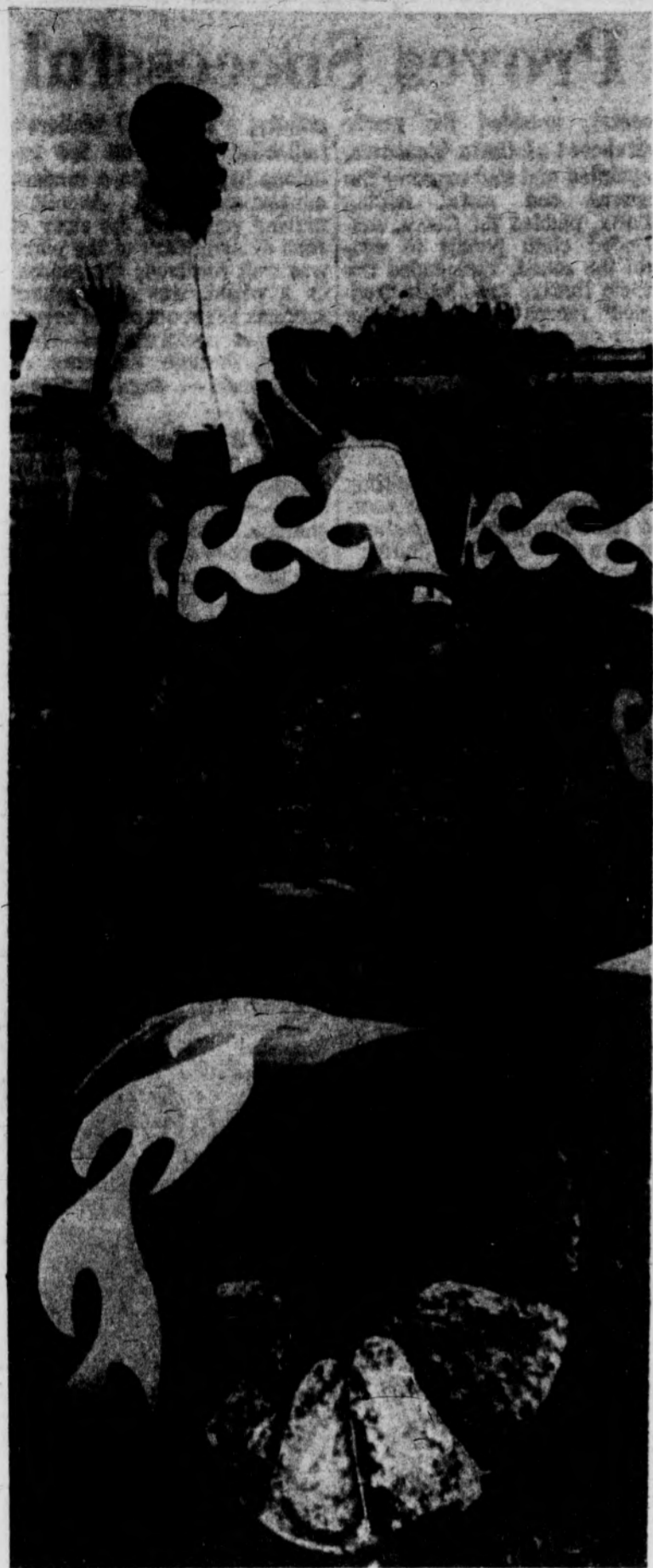
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BAMBOUSHAY—Keith Williams a member of the Bamboushay Steel Band plays a "4 note" drum. In the foreground lies a "strum".

Steel Drums Make Rich, Mellow Music

So you think the only use you can make of a discarded oil drum is a refuse container, eh? Would you believe it, if you were told that such a drum can be forged into a musical instrument?

Well those of you who have seen or heard the Bamboushay Steel Band on campus—or any other steel band for that matter—know that it can be done.

Painted in bright blue and white colors with swirling designs, the steel drums of the Bamboushay band produce a rich mellow sound unlike anything you may have heard.

THE HIGH-PITCHED SOUNDS of the melody drums, blended with the steady beat of the strums, and the thumping of the bass drums are the reason why spectators find it hard to sit still during a performance.

Even the petrified ones find themselves involved in the musical calisthenics, as they try to keep up with the beat.

Songs played on these drums are not restricted to any one kind. For selections can range from classics to any popular tune, regardless of tempo—no songs barred.

The Bamboushay band, whose name was borrowed from a Virgin Islands Carnival theme, which means "have a good time" formally started during the winter of 1961.

SINCE THEN it has made a number of appearances on campus including two on WMSB-TV. The band also performed at the Gate of Horn nightclub in Chicago last June. Presently the group is awaiting the release of an LP record being cut by Folkways Record Company. It is slated to be released the latter part of the fall term.

Some of the songs recorded include "Never on Sunday," "Yellow Bird," and a number of popular mambos and West Indian calypsos.

Members of the cosmopolitan group are Gene Bluestein, Brooklyn (who teaches American Thought and Language at MSU); Keith Williams, Bermuda; Derek and Winston Hodge, Ariel Melchior, Jr., all of the Virgin Islands; Thomas Gatten, Michigan; and Gustavo Mandrique, Venezuela.

Though considered unique in this part of the country, the Bamboushay band is indicative of the kind of musical groups that are prevalent throughout many islands in the West Indies.

While there has not been an actual count of the number of bands of this type in the United States, there are several located in New York City and California. These, however, are made up mostly of non-college members who are exclusively nightclub performers.

There are other bands, such as the Bamboushay that are the results of students from the Caribbean area getting together at the university they are attending and forming a band.

There are steel bands at Hampton Institute, Va.; Howard University, Washington, D.C.; Morgan State College, Md.; and Lincoln University, Pa.

THE IDEA of producing music by hitting notes formed on the tops of oil drums with rubber-tipped sticks is not a new one. Its origin can be traced back to 1945, soon after World War II, to the island of Trinidad, West Indies.

How it actually started remains a puzzle. But romantics exploit the uncertainty by creating a character who happened to be passing by a coconut tree with several empty oil drums stacked below it, when a coconut fell and bounced on several of them.

As the story goes, the passer-by keenly-observed the different sounds produced as the coconut merrily bounced from drum to drum. Consequently, with a bit of ingenuity on the observer's part, he constructed what is now known as the steel drum.


AND SUBSEQUENTLY, after making a number of them, he put them together and thus formed a band.

This allegedly was an account told by a weekend visitor to Trinidad to his friends upon his return from the island.

Such a story can be discounted, for even the Trinidadians cannot say for sure how such an idea came about, or who was responsible for it.

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1961 Summer Circle Theatre Proves Successful

For those students who were here this summer, Summer Circle Theatre is a glowing memory. For those new to the campus or those who weren't here during the summer sessions, it is something to be anticipated next year.

Summer Circle Theatre was a "brand-new" 300-seat arena theatre erected in Demonstration Hall for the presentation of five plays within the first five-week summer session. It was the creation of the University Theatre, the group within the Department of Speech who present the plays in Fairchild Theatre during the normal school year.

Summer Circle began to materialize during last school year when the decision was finally made that the University Theatre should present a complete bill of plays during the summer instead of the one or two scattered shows which had been the rule previously. Once the decision was made, the search began for a proper place to build a good arena theatre. The faculty members in the Department of Speech who are concerned with the staging of plays selected Demonstration Hall as offering the greatest possibilities.

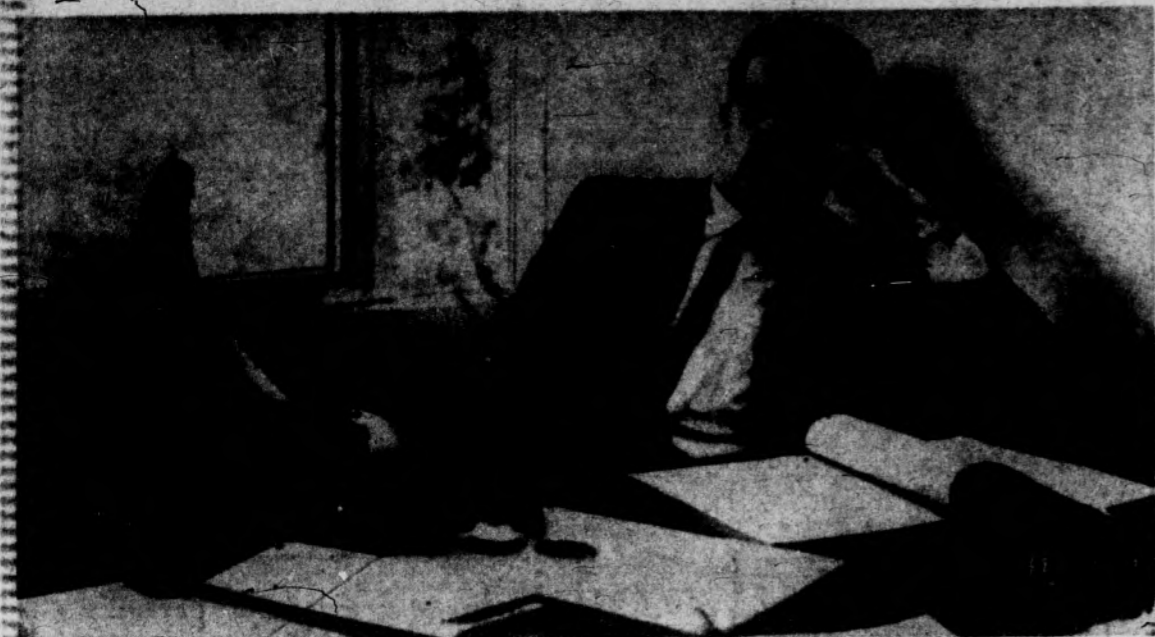
Tryouts for the first two shows of the summer season were held, casts were selected and rehearsals started before the end of the spring term.

During the break between spring term and the first summer session, the University Theatre workmen moved into the north end of Demonstration Hall, an area which had been a basketball court and which, during recent years, had served as a drill area for the ROTC in bad-weather, and began the almost magical conversion of this space into a beautiful, intimate theatre.

THEN THIS same hard core of skilled and experienced craftsmen began intensive planning of every aspect of the new theatre, depending heavily upon the receipts from the musical *Kismet*, the final production in last year's regular season, to provide them with the funds needed to purchase supplies and equipment for the circular playhouse.

Within this gracious setting the University Theatre presented Noel Coward's supernatural comedy "Blithe Spirit," "Rain," based on W. Somerset Maugham's classic short story about Miss Sadie Thompson; "The Skin of Our Teeth," Thornton Wilder's humorous re-telling of the history of humanity; "Tartuffe," Moliere's rollicking attack on the religious hypocrite (in a modern adaptation); and Anouilh's moving version of the story of Joan of Arc. Each of the plays was well received; the season, as a whole, was a smashing success. Eight out of the twenty nights of performances—Wednesday through Saturday of each week—were complete sell-outs.

Thus it is that the University Theatre has made another definite contribution to the cultural activity of the MSU campus. Because of the apparent desire of the students for this sort of entertainment during the summer, the University Theatre has already made a definite promise that Summer Circle will spring into being again next summer.



NIMBLE—Spartan griddier Jim Bridges relaxes at the office with weights on his ankles.

1-2-3 Hup!

In recent years the Spartan football team has been known for its multiple offense which often calls for shifting formations.

The coaching staff has a new shift in mind this year. This one does not involve the mere changing of positions of a few players but will mean the shifting of the entire team along with the coaches, managers, trainers and various other personnel who congregate about the bench on Saturday afternoons.

For the first time since 1947 the Spartans will occupy the bench on the east side of Spartan Stadium.

Head coach Duffy Daugherty says the move is being made in order to bring the team in closer contact with the student body.

"After all it is the students' team," said Duffy. "I want the students to feel closer to the team and the team to have the feeling that the students are behind them."

Duffy feels that this mutual interaction between the students and the team will benefit the Spartans.

Foreign Films Slated

Nine films have been scheduled for the Fall Term offering of the Foreign Film Series. The series will debut on Sept. 23 with a French comedy, "Man in the Raincoat." The movie will star the rubber-faced comic Fernandel who tumbles in and out of seven murders.

A featured film in the series is the repeated showing of "The Crucible." This will be shown by special request of the American Thought and Language department on Oct. 23. It is based on Arthur Miller's drama of the Salem witch hunt of 1692.

Another highlight in the fall program is the showing of Ingmar Bergman's "Wild Strawberries" on Oct. 16-17. This Swedish film is the winner of two grand prizes in film festivals.

The films are shown on the scheduled night once at 7:30 p.m. Admission is 50c.

Gridders Clomp Around Campus

If you see several husky young men walking about campus with a heavy step and thick ankles don't be surprised. There is a reason for it.

They are not afflicted with some strange malady—in fact they couldn't be healthier. They are members of the Spartan football team undergoing the latest conditioning method.

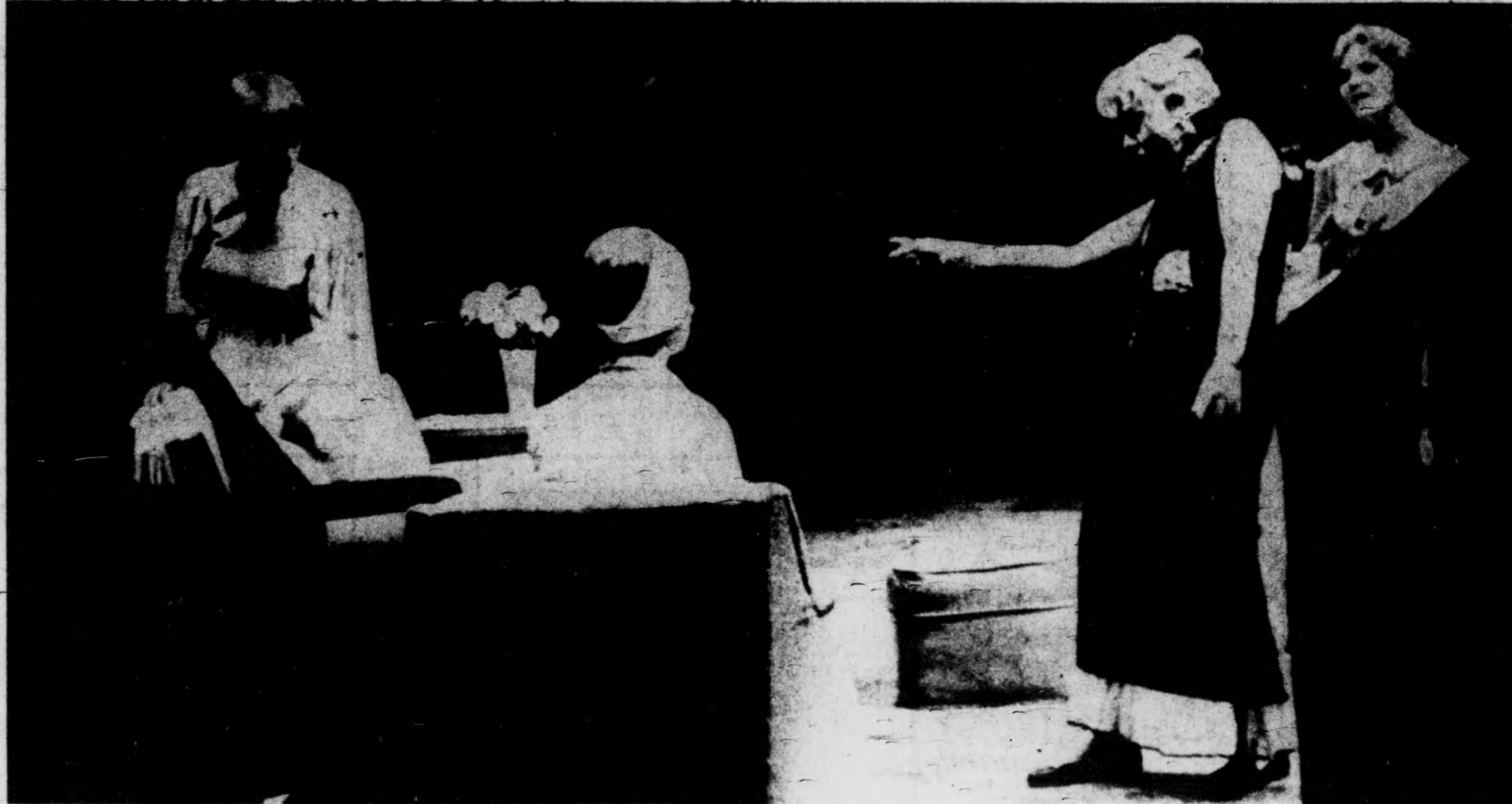
The thick ankles and heavy step are caused by weights strapped snugly to their ankles.

"We are not sure just how helpful this is going to be," said assistant coach Bill Yeoman. "It certainly can't hurt the boys who are wearing them."

Yeoman claims the main object of the 2 1/4 lb. sacks of bird shot is to tighten up the knee joint of the wearer. It also should improve the muscle tone of the leg.

"For sure it should help our 100 yard sprinters," Yeoman joked.

Most of the gridders have been wearing the weights since July. A set was sent to each player with instructions for use. The players seem to concur in the statement of center Jim Bridges: "I don't even notice the weights anymore. I am not sure if they are helping me or not but I doubt that the coaches would recommend them if they weren't going to benefit us in some way."



SUMMER CIRCLE—The action was fast and funny in the Summer Circle's presentation of "Blithe Spirit". The University Theatre plans on continuing the arena productions in future summers due to the enthusiasm which greeted the Summer Circle's initial season.

Predictions

Michigan State has a complete intercollegiate athletic program including 13 varsity sports sponsored by the university. Here is a brief rundown of what may be expected in competition of these teams for the 1961-62 school year.

FOOTBALL

The over-all prospects are very good. The team has good speed with the addition of several sophomore backs. There is more experience in the line and the defense should be improved over last year. In the conference look for Michigan, Ohio State and Iowa to be outstanding.

CROSS COUNTRY

Coach Fran Dittrich is very optimistic. The squad is bolstered by several promising sophomores who should help to bring the Spartans their seventh straight Big Ten cross country championship.

SOCCER

For the past several seasons MSU has had one of the top soccer teams in the nation. This year should prove no exception. Three All-Midwest players are returning as juniors.

BASKETBALL

The outlook is better than last year. Head coach Fordy Anderson is one of the best in the nation and expects to surprise some people. Several good sophomores are joining the team and eight veterans are returning. Ohio State and Purdue should again be the powers in the league.

HOCKEY

Prospects are brighter this year with the return of some fine performers. Denver should again be the team to beat in the league.

FENCING

Outlook bright despite loss of only conference champion.

WRESTLING

The team should be as strong as they were last year when they were Big Ten champs.

SWIMMING

This should be the best team that MSU ever had. Good balance in the league is expected this year with Indiana, Michigan and Ohio State rated as outstanding along with Michigan State.

GYMNASTICS

The Spartans should be one of the top three teams in the league along with Michigan and Illinois. Several good performers returning and sophomore phenom Dale Cooper joins the team.

BASEBALL

"One year away from a good team," says head coach John Kobs. Several good sophomores are coming up and unless they come stronger than expected the team should be of medium strength.

GOLF

Outlook is for average team unless sophomores surprise. Strong teams are expected to be Purdue, Wisconsin and Ohio State.

TENNIS

The Spartans had their best season in seven years last year. Coach Stan Drobac loses only two men. Two Big Ten champs coming back and future looks bright.

TRACK

The prospects are generally good. There are some excellent sophomores coming up along with a hard core of seasoned lettermen returning.

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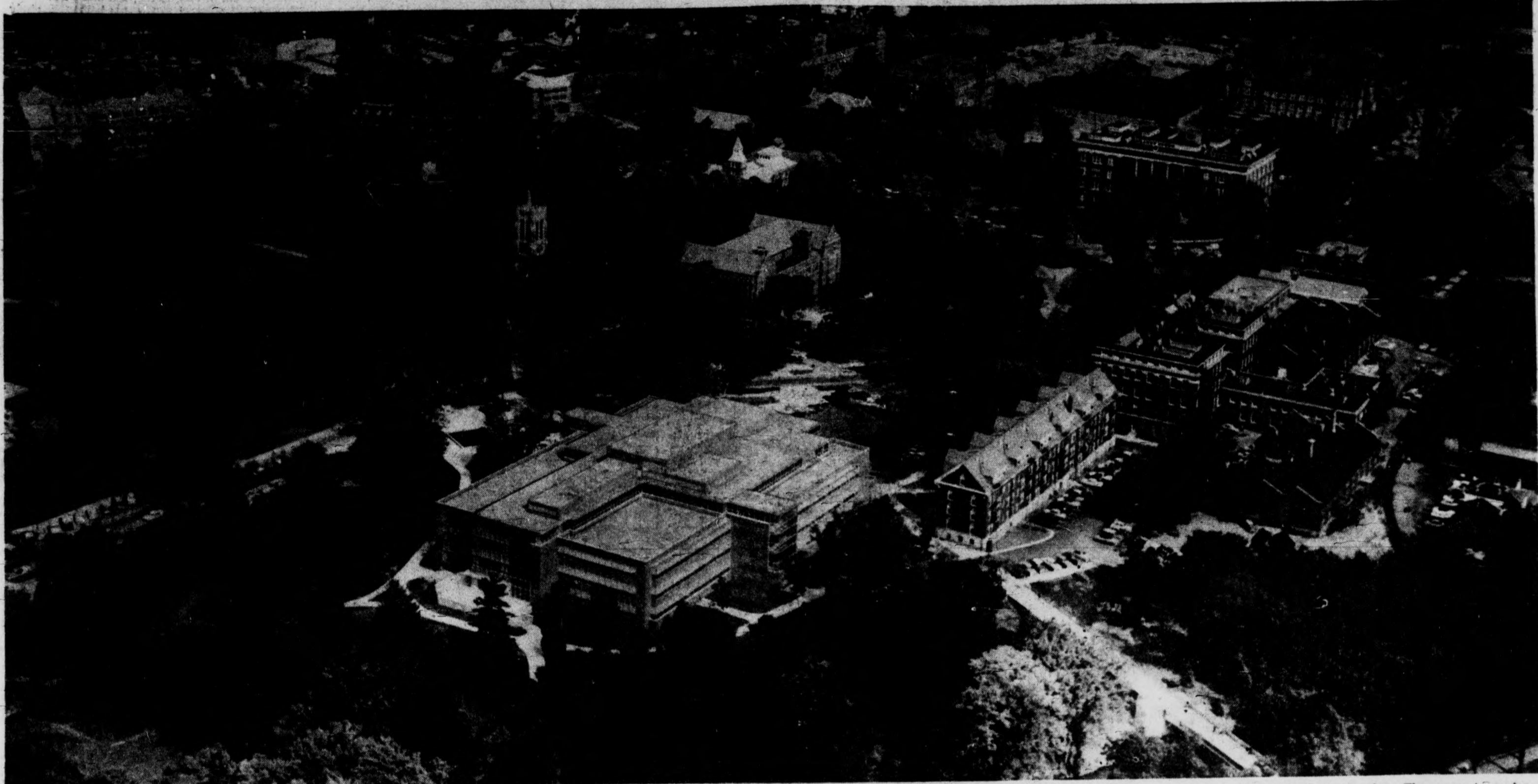
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WELCOME
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Michigan State News

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SECTION F
The University and
the Future



The Education building is gradually becoming the center of the MSU campus as most new university buildings are constructed around it. Finished in 1957, the building is an all-purpose one for the teaching of education, containing offices, classrooms, shops, laboratory classrooms and the usual kiva, a circular lecture hall with near-perfect acoustics. —State News photo by Art Wieland.
Beaumont Tower, erected in 1928 was the center of the

campus for several years. As the center of campus, most major office and classroom facilities were within a fifteen minute walking distance of the tower. Construction in recent years has shifted the center of the campus to the Kedzie Chemical Laboratory. Within the next ten years the center of the campus will shift again, crossing the river to south campus.

Much of MSU's history is written in the construction dates of its buildings. The construction dates of some of

the structures visible in the above panorama of the north campus include: (right) Home Economics Building, 1924; Morrill Hall, 1900; Olin Memorial Health Center, 1939; (center) Berkey Hall, 1947; Administration Building, 1881; Museum, 1927; Library, 1955; (right) Horticulture Building, 1924; Natural Science Building, 1948; Agricultural Hall, 1909; Olds Hall, 1916; Wells Hall, 1905.

Although these erection dates vary greatly, the planners who have shaped the institution through the years have

allowed little piecemeal planning. The current master plan calls for most construction in the next ten years to center around the Education building. That this is already becoming a reality is evidenced by the new business and public service building, the new engineering building, Bessey Hall, Owen Graduate Hall, and Case Residence Hall—all buildings which are either currently under construction or have been completed within the past two years.

Planners Keep Ahead of Student Growth

An explosion will hit Michigan State University, but campus planners are prepared for it. The great wave of students expected to hit the university—35,000 by 1970—will demand a major construction program at Michigan State.

Campus planners have begun preparations for the boom by looking ahead and pinpointing where new buildings and facilities will be placed. They want to avoid a helter-skelter arrangement of buildings and roads.

Already this planning is taking effect. The construction splurge the university is in the midst of now is following lines specified in the campus' master plan.

The engineering building, the Case dormitory, the business school building and new classroom project are going up at locations proposed in the master map of future campus layout.

Guardian of this master scheme is Harold W. Lautner, campus architect and head of the school of urban planning and landscape architecture.

"Among the oldest traditions of Michigan State University is its planned and beautiful campus," Lautner said.

Campus planning has been based on the philosophy that it is valuable to have natural and refined landscape in a university environment and appropriate plans should be made for physical growth to preserve that characteristic, he said.

The current master plan "proposed to retain as unbuildable the Sanford lot on the east along the river and low areas along the river, near University Village," Lautner said.

Environment seems to have an effect on a university's growth. A study during the 1950's showed that the school's environment was sixth on a list of 10 reasons why students chose to attend MSU.

Planning at Michigan State has a long history.

"Over most of its 105 years there appears to have been little piecemeal planning at Michigan State and still at no time were grandiose plans overwhelming the individual ever recorded," Lautner said.

But according to the Michigan Farmer in January of 1860 some of the original planning wasn't done properly. Commenting on the layout of fields at the college, the periodical said:

"No better exemplification of want of system in the clearing of new land can be found than that which is presented by the farm at Michigan Agricultural College."

That comment came three years after MAC opened with three brick buildings on 676.5 acres of land on the North Lansing-Howell Plank road. The land was "undulating, covered by and in the midst of a hardwood wilderness," a history book describes it.

By 1888 Farm Lane had been constructed into the campus. There was an orchard in the area along the present Grand River avenue between Berkey hall and Mason dormitory. The roadway that eventually evolved into Circle drive was forming.

A creek, long since disappeared, extended north from between the women's gymnasium and the library to back of where the museum now stands.

Circle drive became a permanent fixture when Ossian G. Simmonds, a Chicago architect employed as a consultant to the college, recommended in 1905 that West Circle drive and the area within be retained and be kept clear of new buildings.

By 1914 athletic facilities made the first invasion of the area south of the river. All other buildings, including barns, were north of the river.

Wells, Olds, Morrill and Agriculture halls were already up. Only encroachments on the ground Simmonds declared sacred were an armory, a bath house, Cowles house (where President John Hannah now lives), the administration building (then a library and museum), and a dormitory named Abbot. They were all built before the decision to retain the park area.

That the park area had become traditional at Michigan State was shown when the university rejected a campus plan by the Olmstead Brothers, who designed Central Park in New York City and the Chicago World's Fair, because it infringed upon the park area.

T. Glenn Phillips was the campus designer in 1926. He too preserved Circle drive and proposed a complete campus with definite athletic areas, men's and women's dormitory groups, and a fraternity house area (where Snyder-Phillips now stands).

Six buildings proposed in Phillips' master plan landed at their designated spots. They were the chemistry building (Kedzie), the canoe hut which was torn down during the summer, 1960, the livestock pavilion, some of the women's dorms along Michigan avenue adjacent to the Union, the heating-power plant next to Spartan Stadium and the ice arena, which was then an armory.

One building which did not land where Phillips planned was the auditorium, proposed for across from the Union.

The layout of the campus followed planned lines until the first real boom hit the school with the rush of World War II veterans thirsting for an education. They swarmed onto the campus in countless numbers and brought along a problem never before encountered by Michigan State.

The problem was women and children. For the first time lodging had to be provided for a student's family. The Board of Agriculture responded by approving construction of hundreds of temporary buildings for married and single veterans to live in and study in. Some of the temporary structures proved not to be so temporary because many remained on campus until this year.

A married students' trailer village for 50 units was placed where University village now sets. It extended from the area of University village to Harrison street between the state police post and Kalamazoo street.

Some 1,100 apartments were built in an area named "G. I. Village" which stretched all the way from the Grand Trunk railroad tracks to just behind the ice arena where the intramural athletic fields are now. The last of these barracks were dragged away last spring.

Single students were accommodated in two temporary projects. Some 240 were housed at Red Cedar village, located at the site of Emmons' dorm next to the river. The quonsets opposite the state police post and south of Jenison fieldhouse where Air Force ROTC, campus police and chemistry labs are now, were built for 1,456 students.

Some 50 faculty apartments, which were torn down this summer, were constructed at the corner of Shaw lane and Harrison road north of the permanent faculty apartments. Temporary academic buildings, which still hold several classrooms and departmental offices, were built at the same time.

Though temporary, the projects followed specifications and restrictions, Lautner said.

"Two principles behind the location and planning of these temporary projects were, first, that they could be located so that sanitary and storm sewers and water supply could be economically brought to them, and second, they would not be mixed with existing buildings or located where within their life they would be in conflict with planned permanent buildings."

At this time "the future size of the University was becoming more clear and long range plans were being developed to meet the requirements of a much larger student body," Lautner said.

Today the university is a tremendous giant compared to its beginning midway through the 19th century. Campus boundaries include 4,200 acres of property, 2,500 acres added since 1935. The actual campus, which excludes large wood lots and farm experimental fields, is 880 acres, which compares to the original 676 acres of property when the school began.

How has the school's landscape survived this growth? Lautner described it:

"No great malls or focal points impose themselves upon the individual. Noble trees and broad expanse of turf have always been a strong characteristic of the campus. At the change of every class hour the student was introduced to an environment that combined spaciousness, luxuriant plant growth, retirement and repose. Through the years this character of spirit was caught by the Simmonds, the Olmsteads and the Phillips (campus designers) who preserved it in their plans for the future."

The tradition of keeping Michigan State in a natural

setting is not the only theory guiding campus planning. Designers based the layout on walking distance, grouping of buildings according to schools and land use. Integration of buildings with parking, roadways and walkways are also considered.

Michigan State's basic layout is simple, Lautner said. Academic buildings are placed in the center, surrounded by dormitories with married housing beyond, he said. Experimental farm plots and barns set farther out on fringes of the campus.

Grouping is hard to accomplish, Lautner said, but is being attempted at the present time with the engineering departments. The new engineering building being constructed next to Anthony hall on Shaw lane is the first step to move all engineering education buildings to south campus. Already the agricultural engineering building is on the opposite side of Anthony. Eventually an electrical engineering wing will appear next to the new engineering building.

Another difficulty is planning too far ahead, Lautner said.

"Plans in detail cannot be made too far ahead, but a framework of plans comprehending the entire land and building needs of the university are possible and they are necessary for orderly growth," he said.

The current campus master outlook, based upon a five-year plan and study begun in 1958, predicts some \$123,355,800 worth of construction by 1970 will expand the major campus to 744 acres, not including the golf course, driver training area and married housing.

Some 356 of those acres will be left for lawn and tree lots and 139 for parking areas. Roads will take up 99 acres; buildings will cover 93 acres, and sidewalks 41 acres.

The outline guiding campus growth has moved the center of the campus south of the river for the first time. By 1970 it should be setting a few feet west of the education building. Previously it was at the site of Beaumont Tower until it moved near Kedzie chemistry laboratory recently.

Moving the center of the campus south of the Red Cedar will be the emphasis of placing new buildings between Shaw lane and the Grand Trunk tracks, which will form a natural border for the academic area of the university, Lautner said.

The school must learn to live with the Grand Trunk and Chesapeake and Ohio tracks because there is little possibility they will be re-routed around the school's property, he said.

Within a 10-minute walking area radius drawn from the new center of campus, most of the new academic buildings will be put up. A structure that might house the College of Communication Arts will be built next to

See-PLANNERS, page 2

Planners Ahead of Student Growth

(continued from page 1)

the education building where the temporary classrooms are now.

A south campus library is proposed for across from Shaw hall where the dairy barns now stand. Additional chemistry facilities are planned for south campus in a new building east of agricultural engineering and south of the proposed library. Also in the same area an electric computer center is likely to stand south of agricultural engineering on Farm lane.

Two academic buildings were proposed at the site of the north campus power-plant and service area. Removing the service area from north campus to south campus would alleviate the need for railroad tracks on the north side of the river.

Also within the 10-minute walking area are additions to Kedzie and the new engineering building.

Nine academic projects are seen for the area within the 15-minute walking time from the educational building, including a new classroom building on north campus across from the administration building. The building would replace the old business administration, conservation, forestry, journalism and university college buildings already there.

Additions can be expected on the horticulture and the administration buildings according to the five-year outlook.

Forestry and conservation departments would move to a building that would be constructed on south campus between the new engineering building and the Grand Trunk tracks. The Technorama exhibition hall may end up in the same vicinity. It was originally going up at the spot where the south campus library is planned for.

On the east side of Farm lane behind agricultural engineering and next to the greenhouses, a veterinary hospital and plant science structure were proposed. A new physics building has been suggested for the same site.

Plots have been reserved for two north campus projects. A building which would house nurses education and a child development laboratory may be built on the hill east of the alumni chapel and across the river from Shaw hall. The other project would be an addition of a cyclotron to the present physics-math building.

An observatory might be built near the library if sufficient donations come in from alumni and foundations.

One building may set outside the 15-minute walking circle between the ice arena and the WMSB-TV studios across from the Jensen fieldhouse parking lot. Even though far from the center of campus, it would be within easy walking distance of the Brody dorms, the new Case dorms going up next to married faculty apartments and University village.

Economy in the total number of buildings will be a result of construction plans. Larger structures and the destruction of existing temporary buildings will cut the number from near 300 to 99, not including married housing apartments.

The master plan includes on-campus housing for 20,000 students out of a student body of 35,000, Lautner said.

About one-quarter of the student housing will include facilities for married students. A

new married housing project of 1,628 units was mapped for the east side of campus bordering on Hagadorn road, Shaw lane and the Grand Trunk tracks. It will extend into campus as far as Bogue street, which is being brought across the river.

Other married housing expansions include 340 more apartments at Cherry Lane (already under construction) and 632 additional apartments at Spartan village, University village is complete.

Six new dorms have been proposed, in addition to the Case dorm already being built on Shaw lane. Three will be placed in the same area extending out to the railroad tracks. The other three will set east of Shaw hall sandwiched between Hagadorn married housing village and the proposed south campus library.

One of three east side dorms, which will be called the Sanford group, will be on the north side of Shaw lane next to the graduate center. The three will hold 2,300 students while the four dorms on the west end of Shaw lane will have room for 4,000 altogether.

Such a vigorous building program will require construction of new roads and improvement to others. The master plan includes building of 19 miles of new roadway in addition to the 20.5 miles already serving the campus.

The key to the campus road-building program is a cross-campus trunk line route stretching from Grand River following the Grand Trunk tracks to the expressway access road which will be built next year west of the golf course and Spartan Village.

The four-lane cross-campus roadway would run along the north side of the tracks and would form the southern boundary of the academic campus.

Officials at the state highway department said the cross-campus road would not be built before 1967, unless the needs of the city of Lansing demand the road be built sooner.

Another east-west key road is the extension of Chestnut street across campus from Harrison road at Cherry Lane apartments. The road would divide the Case dorm area, run behind the secret practice football field, cross the service railroad tracks to Farm lane behind the dairy plant. From Farm lane it will continue among the proposed chemistry, physics and veterinarian hospital buildings.

Chestnut then will curve to join Shaw lane between Bogue street and Hagadorn road.

Another east-west project is the improvement of Shaw lane, which will become a four-lane road from Harrison to where it presently becomes a boulevard at the power plant. The

boulevard will be extended from where it now ends at the dairy barns to where it will meet the Bogue street extension near the graduate center. From there Shaw lane will be widened to Hagadorn.

All north-south road projects will be merely extensions or improvements upon present roads, including Bogue street which will be carried across the river by a new bridge. It will go as far as the proposed cross-campus trunk line. The four-lane road will serve the new academic buildings and housing projects which will set on both sides of it.

Power Plant road will extend beyond Shaw lane to the cross-campus trunk line. The other major improvement will be the widening of Farm lane to Mt. Hope road.

Accompanying road building will be sidewalk construction, including footbridges.

"A system of major sidewalks is just as important to the function of the campus as a system of roadways," Lautner said.

New bridges over the Red Cedar will be constructed east of Kresge Art center and west of the education building. The south campus footbridge west of the electrical engineering building will be widened.

Walkways will be constructed along all major road expansions and interwoven among

new buildings on both sides of the river. Altogether 13.5 miles of major walkways would be built by 1970, according to the master plan.

Parking is another problem recognized by campus planners.

"Anticipated great growth... and the automobile combine to create critical problems..." Lautner said.

The most critical of the problems is providing enough parking spaces for a student body of 35,000 and the accompanying hundreds of faculty members, administrators, of

ice help and service employees. At least 10,000 more parking spaces are needed to accommodate campus demands by 1970. About 12,000 parking spaces are available on campus today.

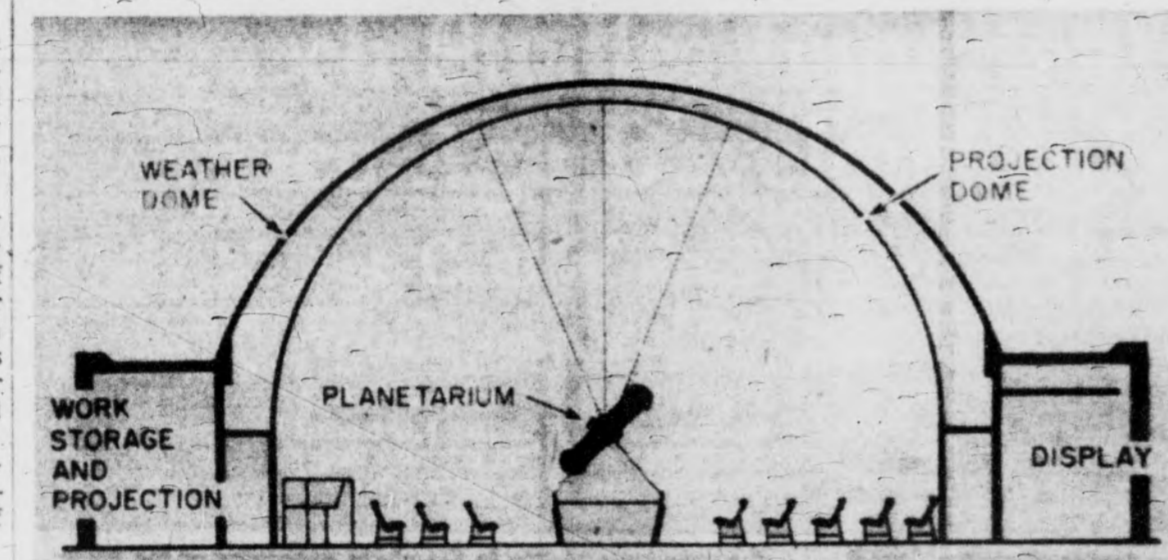
Parking garages have been suggested as a solution. Lautner said eight may be scattered around campus. They would be paid for by tolls charged students, employees and visitors using the facilities, he said.

Construction costs of parking garages are the major deterrent to the plan, Lautner said. The per space cost is at least \$1,500 for a garage com-

pared to \$125 per space cost in an asphalt parking lot, he said. The cost of a gravel surfaced lot is \$50 per space.

The five-year plan was based on the needs of a planned 35,000 student body and how much space each student required in classroom, housing and parking space, Lautner said.

Figures used in the study were: each student requires 200 square feet of classroom area, 270 square feet for parking area and 275 square feet for dormitory living space. A figure of 640 square feet was used for each married student.



Floor plans for MSU's new Planetarium.

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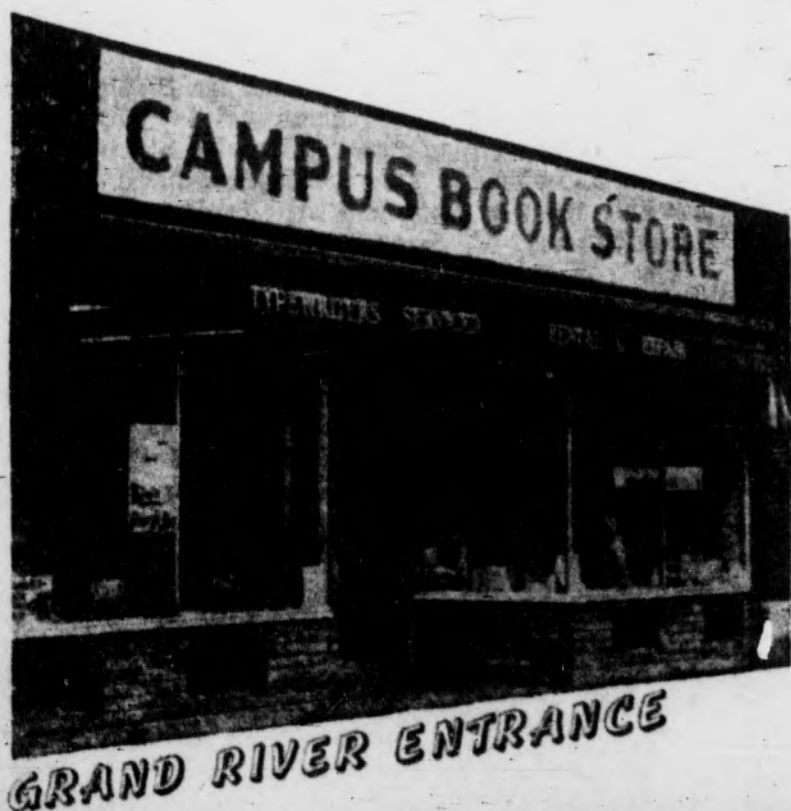
(PLENTY OF PARKING JUST OUTSIDE OUR BACK DOOR)

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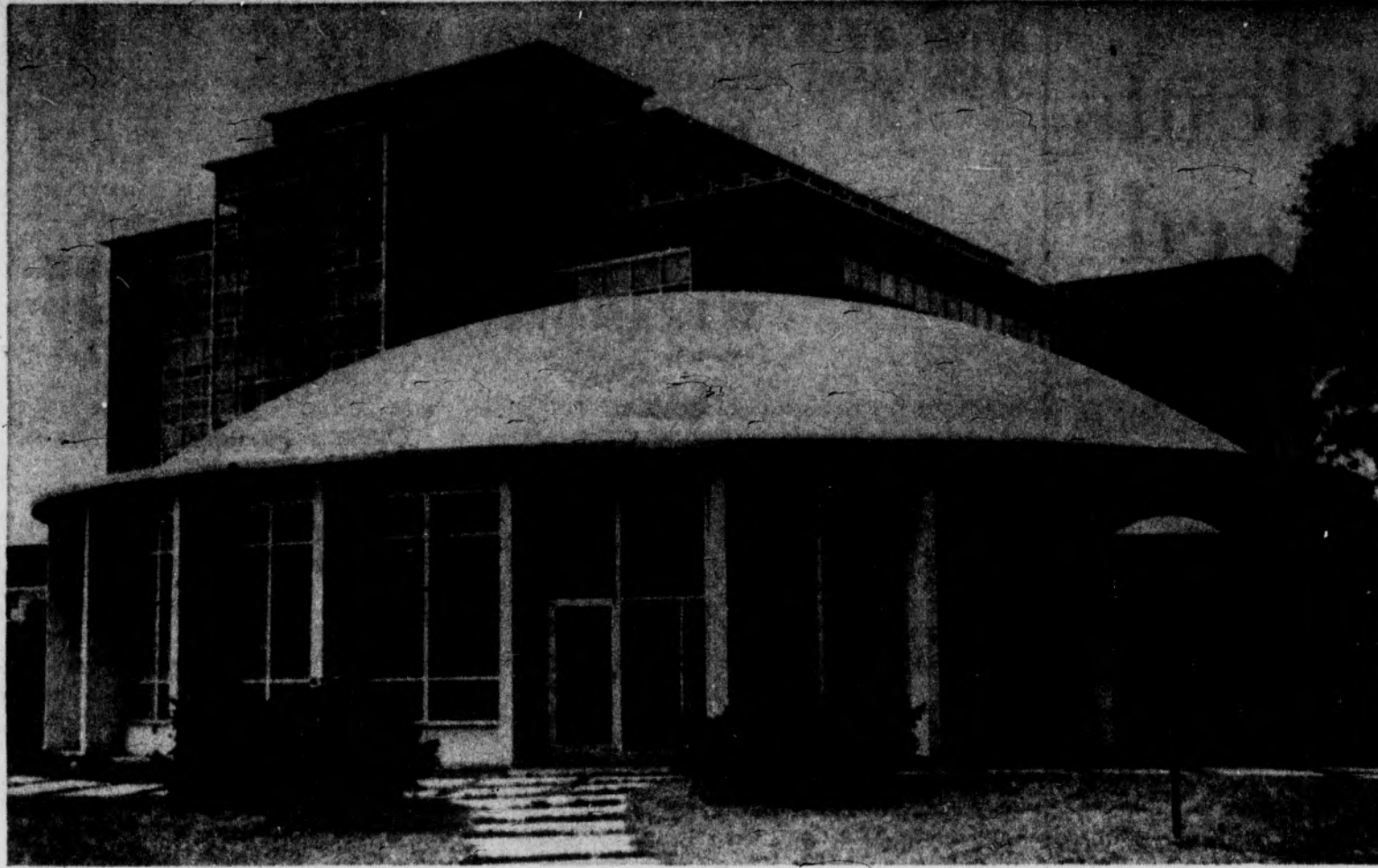
131-133 EAST GRAND RIVER AVENUE

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FRONT BOOK STORE



CIRCLE OF LEARNING—The Education Building forms the background for the circular Kiva, one of the unusual facilities offered by the campus. Completed in 1958, the

Kiva is used as a classroom, theater in the round, campus United Nations meeting place and lecture hall for visiting speakers.

Interested in International Affairs? Here Are Organizations for You

Two student organizations offering specialized programs in international affairs are sponsored by the department of political science.

MSU's International Relations club, offering speaker meetings and a program of intercollegiate conferences in foreign affairs, is one of 600 members of the national Association of International Relations Clubs. The Association is an affiliate of the Foreign-Policy Association-World Affairs Center of New York.

This year, Sandy Guest, Hamtramck junior, is secretary of the Midwest Region of the AIRC, which will bring together 60 clubs in Michigan, Indiana, Illinois, and Wisconsin for their annual conference at the University of Wisconsin in the spring of 1962.

TYPICAL OF IRC activities was last year's program, which included speaker meetings on such topics as the impact of the novel "The Ugly American" on American overseas programs, political implications of the Eichmann trial, and the role of the foreign student in US universities.

The annual Midwest AIRC conference met at MSU last spring, with 20 MSU staff members leading student discussions on US relations with its neighbors Canada, Cuba, and Mexico.

In the past two years, IRC delegations from MSU have attended conferences on future problems in US foreign policy at the University of Illinois, on African affairs at Harvard, on Southeast Asia at DePaul in Chicago, and the annual Model UN at Montreal.

IRC membership is open to all students interested in international affairs.

The professional fraternity for men interested in careers abroad, Delta Phi Epsilon, will hold rush meetings early this term. D-Phi-E conducts an intensive series of meetings on job opportunities for its own members and sponsors speaker meetings for all-University audiences.

Lansingites Open Homes To Students

A group of Lansing families will open their homes to MSU foreign students again this year.

The hospitality committee of the Lansing World Affairs Council, directed by Mr. George A. Amann of the MSU College of Home Economics, will attempt to assign every interested foreign student to a host family in the Greater Lansing community, for an opportunity to observe and to experience American home life.

Persons interested in recommending homes or student participants may contact Mrs. Amann at Ext. 5-4586.

The World Affairs Council holds luncheon meetings each month at the Lansing YWCA, including addresses and discussions of subjects of current interest in international affairs.

Student memberships are available for MSU men and women through Mark Garbarini, Ext. 5-3316.

IN THE ABSENCE of its president, Larry Cornish, Lawton junior and first MSU student to be selected for the Peace Corps, information on membership and the program for the coming year may be ob-

tained from the fraternity's adviser, Donald W. Urquidí, assistant professor of political science.

Established on this campus in 1955, D-Phi-E was founded at Georgetown's graduate school

for Foreign Service candidates in 1919, and has guided members from seven collegiate chapters into careers in diplomacy, international trade, overseas development projects, and related fields.



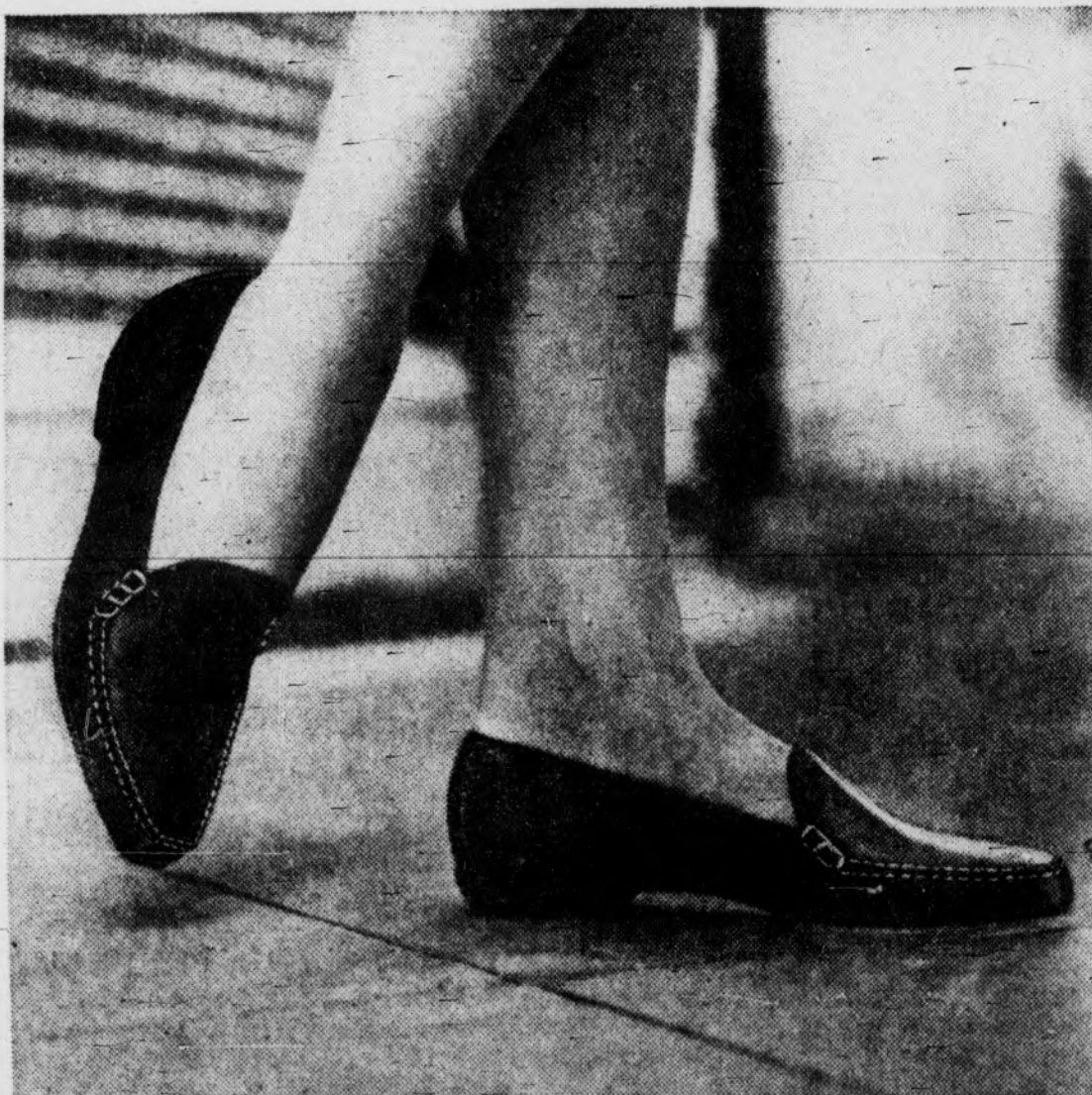
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Men's, "Court King" oxfords. "U.S. Keds" shockproof arch cushions, molded outsole, flexible arch. White. Washable. Medium widths. Sizes 6½ to 12.

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BATES 'Hialeah' spread
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CANNON 'Salutation' spread, matching drapes

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5⁹⁸
Full, twin or drapes
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Various Types of Student Loans Also Available

Scholarships Available to Students With Good Scholastic Record, Need

If you are thinking seriously about the possibilities of a scholarship at MSU it might be well to have some idea of the scholarship-trend of the past ten years.

During the past ten years three major points have marked the scholarship trend.

First, there has been a big increase in the number of scholarships available.

Second, there has been a greater increase in the need for scholarships—to financially or otherwise aid a person who would be unable to attend college without such aid.

THIRD, FEWER and fewer scholarships are being awarded to students on the basis of good scholastic standing, only. A show of need on the part of the student is becoming more important in the awarding of a scholarship.

These trends, noticed within the past ten years, are expected to continue. The Michigan Department of Public Instruction expects the number of available scholarships to increase over the next few years, but at the same time the department expects an increase in the amount of student loans.

MSU has an extensive program of scholarships with many awards available to beginning freshmen. Most scholarships can be renewed for an entire four-year course if the recipient can maintain a high enough scholastic rating.

The applicants for freshman grants at MSU nearly doubled this year to approximately 3,000.

A SCHOLARSHIP is a grant of money or a waiver of fees to provide support of a scholar—therefore, to qualify for a scholarship a student must have a high scholastic average (a B average or better) and rank in the top one-quarter of his high school graduating class (top 10 per cent, if from outside Michigan).

A second requirement which a student must fill in order to receive a scholarship is financial need. This need is established when the parents of a student submit a confidential financial statement to the national College Scholarship Service.

These requirements do not apply to the MSU Alumni Dis-

tinguished Scholarship program. This program, supported by gifts from alumni, provides 10 awards of \$1,000 each, renewable for a total of \$4,000.

TO BE ELIGIBLE for these scholarships a student must rank in the top five per cent of his graduating class and score at the 90th percentile or above on the National Merit Scholarship Qualifying Test.

Once a year, from April 1 through May 15, students already enrolled at MSU may apply for scholarship grants. To be considered, they must have at least a 2.6 average by the end of the freshman year, or a 2.8 by the end of the sophomore year. They must also prove family financial need.

Many MSU colleges and departments have a scholarship program which they administer directly. This is especially true of the College of Agriculture, College of Engineering, and the College of Home Economics.

JUNIOR COLLEGE transfer students are eligible for the Alumni Distinguished Scholarships and other scholarships if they have a B or better average for at least one and one half years of work in a Michigan public community junior college.

The amount of MSU scholarships varies from a portion of the general fee to the full general fee, to the \$1,000 of the Alumni Distinguished Scholarship to \$2,000 which is the maximum of the variable-amount General Motors scholarships.

The majority of grants are for the in-state fees; a majority of the awards are available only to Michigan residents. At MSU an application for any scholarship automatically means consideration for every grant for which the person qualifies.

A complete listing of all currently available scholarships for MSU students is printed each year in the catalog. There were more than 280 grants and awards available recently.

Students interested in applying for scholarship should contact the scholarships office in the Student Services building.

Many students find they need more money to allow them to go to college. There are three general sources of loans to finance a college education.

A local bank in the student's home community usually can provide a loan plan which periodically advances money for room, board, fees, and other college expenses, with long term payment.

THE FEDERAL government also provides funds through its National Defense Student Loan Fund. These are available to both entering

freshmen and upperclassmen. For the federal loans preference is given to students with superior academic background who plan to teach on the elementary or secondary level, or students who indicate superior capacity in science, math, engineering, or a modern foreign language.

Only full time students are eligible and must maintain a

2.6 all-college average. A freshman must rank in the top quarter of his high school graduating class. A loyalty oath must be signed before this type of federal loan can be granted.

The MSU Student Loan program provides small amounts for short periods to meet emergencies. Students are eligible for this program after completing one full quarter at MSU.

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Dairy Fresh Ice Cream Full \$1.19 Gallon Every Day

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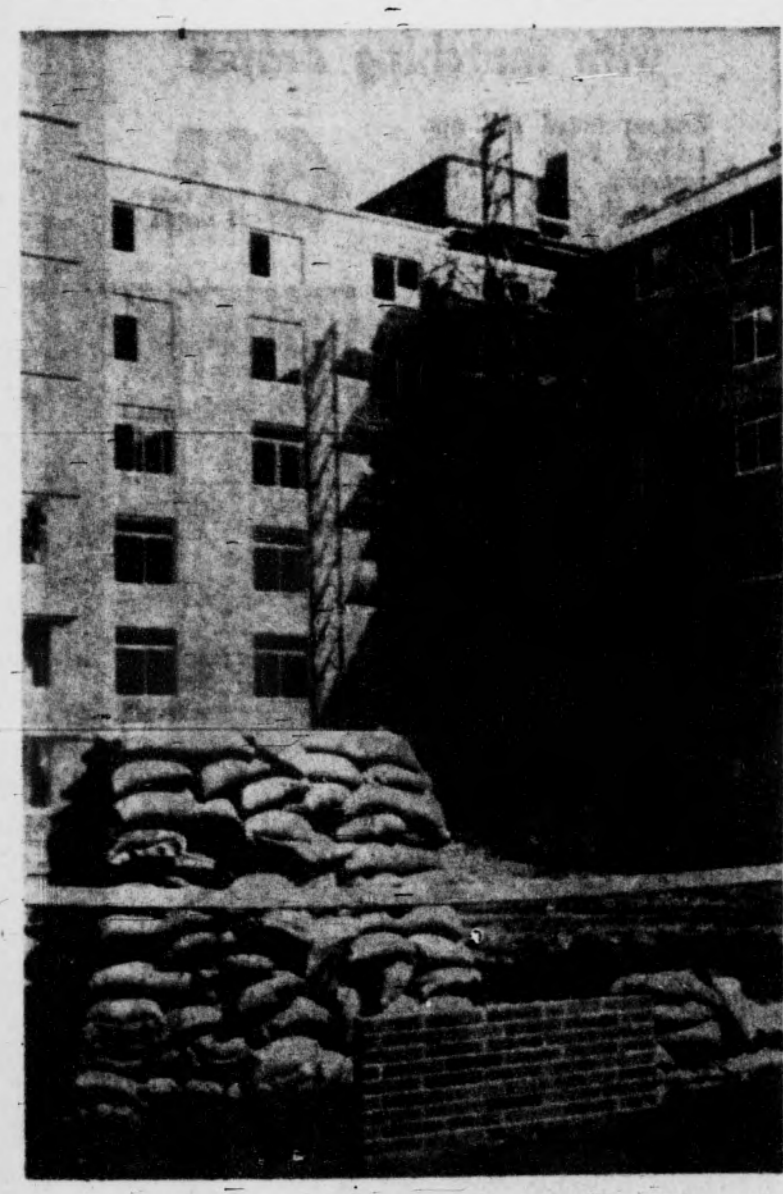


Our Winthrop collection of fall styles is a real wardrobe of fashions for going places and doing things. These are just a sampling of our newest from today's style leader.

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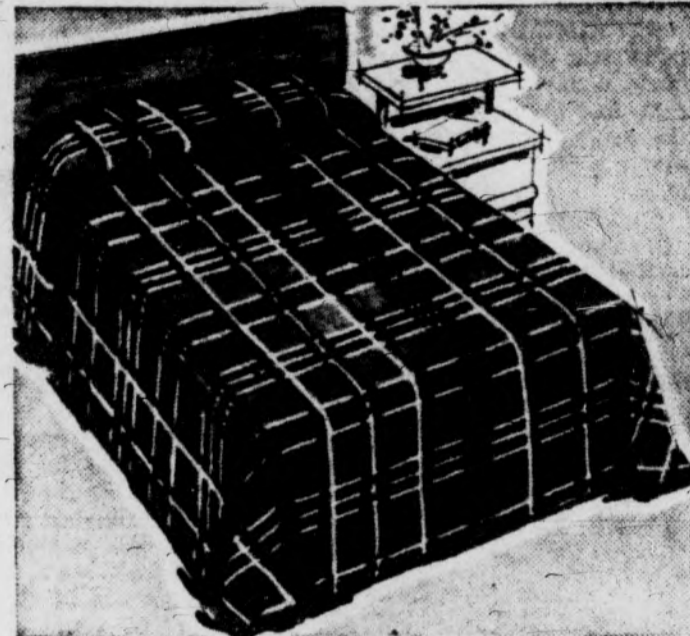
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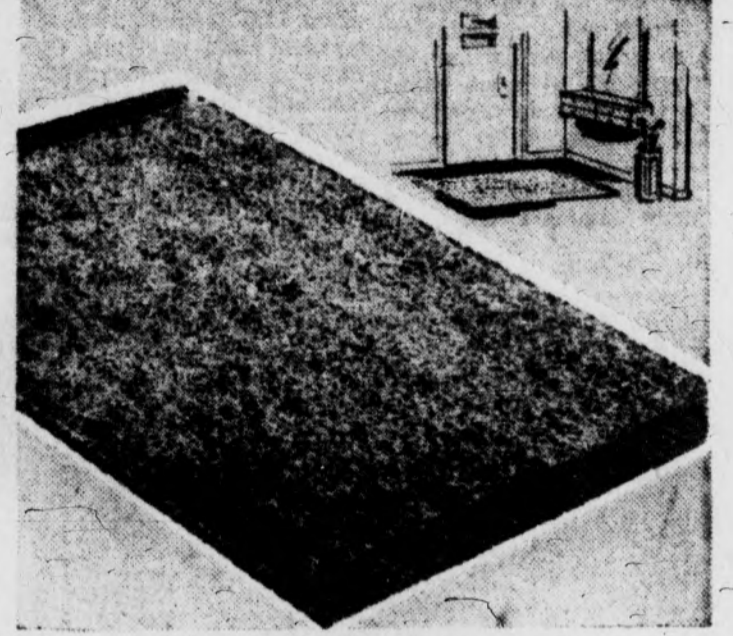
9⁹⁹



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Easy to care for because it's completely machine washable, needs little ironing. Spice brown, Jade green, Charcoal brown. Full or twin. Choose from Sears large selection of spreads priced from 3.99 and up. Matching draperies for most spreads in several colors.

Thick and soft rayon and acetate pile has smartly fringed edges . . . durable, skid resistant back. Completely washable. 27x48 inches . . . 4.79 30x54 inches . . . 5.98 48x72 inches . . . 12.98 24x72 inch-runner . . . 5.98



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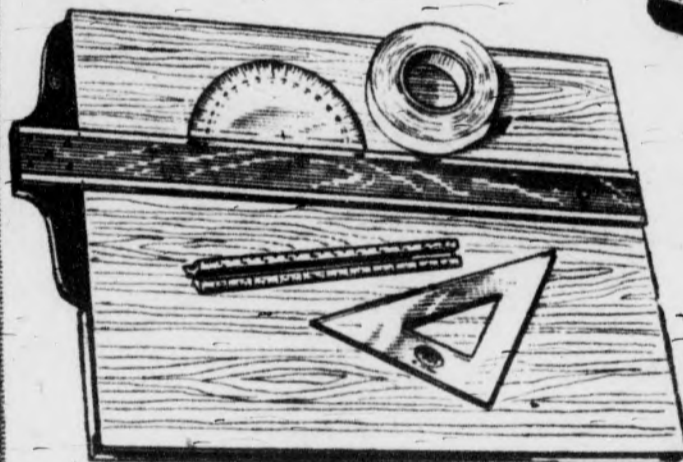


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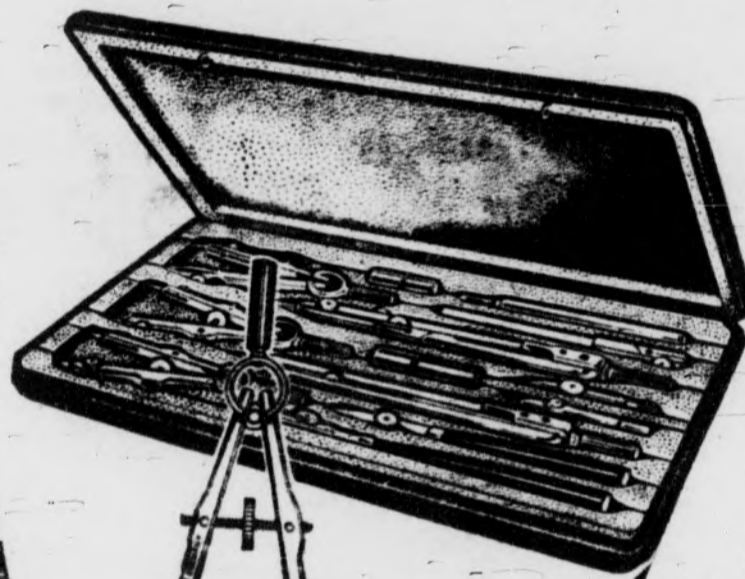
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Giant Bow Compass precision made in West Germany. Complete with lead.

Pickett Student Simplex Trig Slide Rule

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All scales on front: K, A-B, S, T, C-D, and L. Lightweight metal alloy won't bind or stick. Scabbard-type case included.



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Regular \$1.98 **1⁷⁷** yard

Regular 1.98 Synthetics with a luxury look! What a low price for one yard lengths with a luxury look and feel you'll love. Ideal for slim skirts . . . in thrifty 54-inch and 60-inch widths.

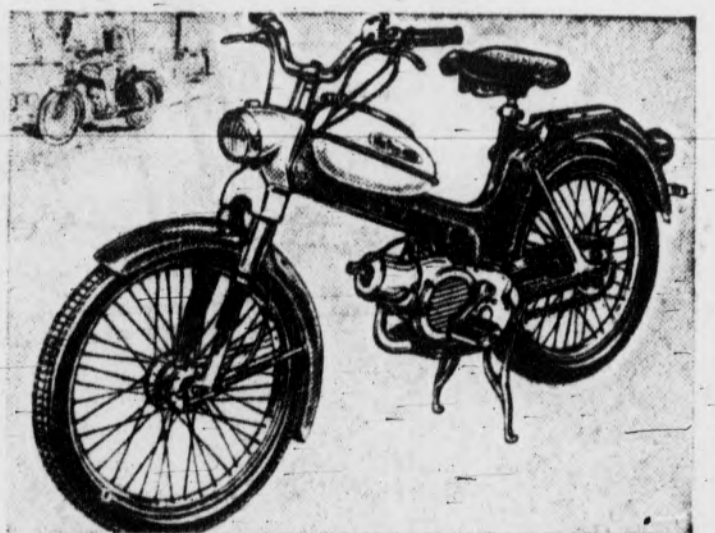
Multiple Skirt Rack **99c**



Flourescent Bulb Metal Desk Lamp

Sears low price **9⁹⁸**

Traditional styled base has Parchment brown baked enamel finish. With 15 watt bulb.



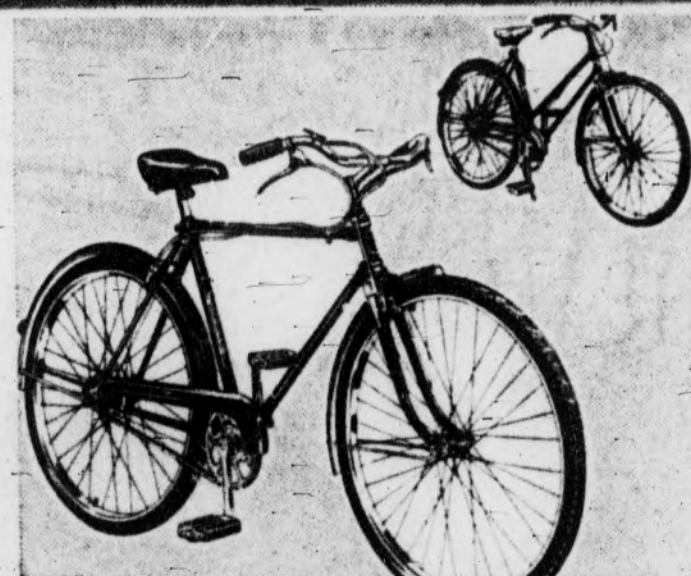
Allstate Mo-Ped Motor Bike

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Speedy Lightweight Bike Has 3-Speed Gear Shift

J. C. Higgins boys' or girls' 26-inch bicycle **38⁸⁸**

Climbs big hills easily in low gear—cruise in high! Gear shift is right at your fingertips. Dual hand brakes, coil-spring saddle, chain guard, chromed rims, Onyx-black

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Regular \$1.50 With this Ad only **99c**

Just clip this ad . . . bring it to Sears Service Station and you'll get the All Points Chassis Lubrication for only 99c.

Regular Non-Detergent Oil **30c** quart installed

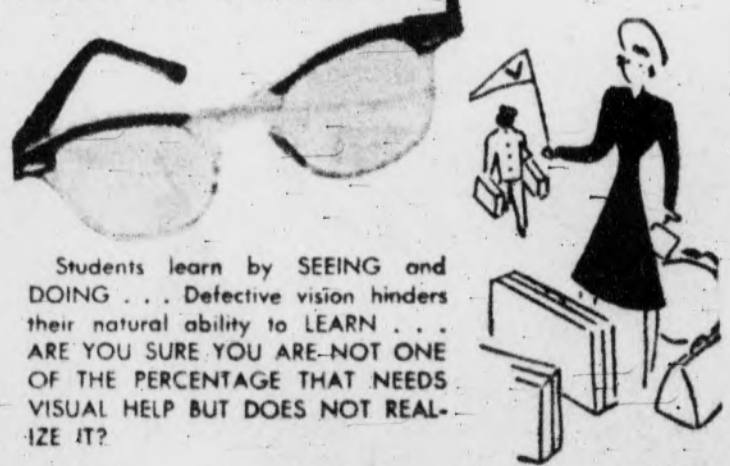
Heavy Duty Compounded Oil **40c** quart installed

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"Satisfaction guaranteed or your money back" **SEARS**

First to Sears

FOR AN EYE EXAMINATION then to School



Students learn by SEEING and DOING . . . Defective vision hinders their natural ability to LEARN . . . ARE YOU SURE YOU ARE-NOT ONE OF THE PERCENTAGE THAT NEEDS VISUAL HELP BUT DOES NOT REALIZE IT?

No Appointment Necessary USE SEARS EASY PAYMENT PLAN OCULIST PRESCRIPTIONS FILLED
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MSU Grad School Growing; More Students Than Ever

"Never has the quest for knowledge—new knowledge in its own right and in behalf of society—been attended with such a sense of urgency. Never have the challenges to the University, nor the opportunities for significant contribution been so great. Never has society expected so much from, nor in fact been so dependent upon, the University to help it resolve its problems and protect its survival. Never have so many students come as highly motivated as at present." —Milton E. Muelder,

Vice President for Research Development and Dean of the School for Advanced Graduate Studies.

With this in mind the program of graduate education at Michigan State University has since 1955 graduated as many doctoral and masters candidates as it graduated from its founding in 1955 until 1955. About 49 per cent of all the doctoral degrees and 48 per cent of all the masters degrees have been awarded since 1955.

Masters degrees have been given almost since the found-

ing of MSU. The first doctoral degree was awarded in 1925 in botany. By 1947 a modest doctoral program emphasizing the biological sciences was in operation which had given 515 degrees up to that time.

RECRUITMENT of good faculty and development of the professional schools was such that the University expanded its graduate program faster than any other school in the nation.

Statistics from the book, "Graduate Education in the United States", state that Mich-

igan State gave more doctoral degrees than Johns Hopkins or Cal Tech last year and public universities give more doctoral degrees than private universities at present.

The graduate school is growing faster than any other segment of MSU. For the calendar year 1960 the grad school granted 959 masters degrees and 242 doctors degrees.

Total enrollment has increased from 1,666 students in 1955 to 5,486 in 1960. The 1960 enrollment was comprised of 3,489 on-campus students, 1,058 students at MSU centers, and 939 other off-campus students. Since 1945 the number of MSU's undergraduate students has increased 222 per cent and graduate students have increased 1,157 per cent.

In response to its manifold obligations to graduate study, MSU has established eight colleges authorized to give the advanced degree. More than 275 areas and fields of study are offered by 66 departments in these colleges in which both the master's and doctor's degree may be earned.

THE COLLEGES offering graduate programs include: Agriculture, Business and Public Service, Communication Arts, Education, Engineering, Home Economics, Science and Arts, and Veterinary Medicine.

The work of these eight colleges offering graduate degrees is supported by strong undergraduate programs in which the Basic College plays an important part.

The Dean of the Graduate School exercises over-all review and supervision of graduate programs conducted in the several colleges and provides leadership in the evolving of new programs as well as insuring standards for existing programs.

EACH COLLEGE of the Uni-

versity has developed its graduate programs consistent with the national professional standards of the respective fields.

Academic programs are in the hands of faculty enjoying national and international reputations. Michigan State University is not only responsive to the spirit and demands of the times, but its faculty and administration exercise leadership to make learning, teaching, and research a more meaningful and interesting endeavor.

The variety of intellectual opportunities and the unique challenges of this University are stated in the graduate programs offered by the several colleges.

GRADUATE DEGREES GRANTED BY MSU INCLUDE:

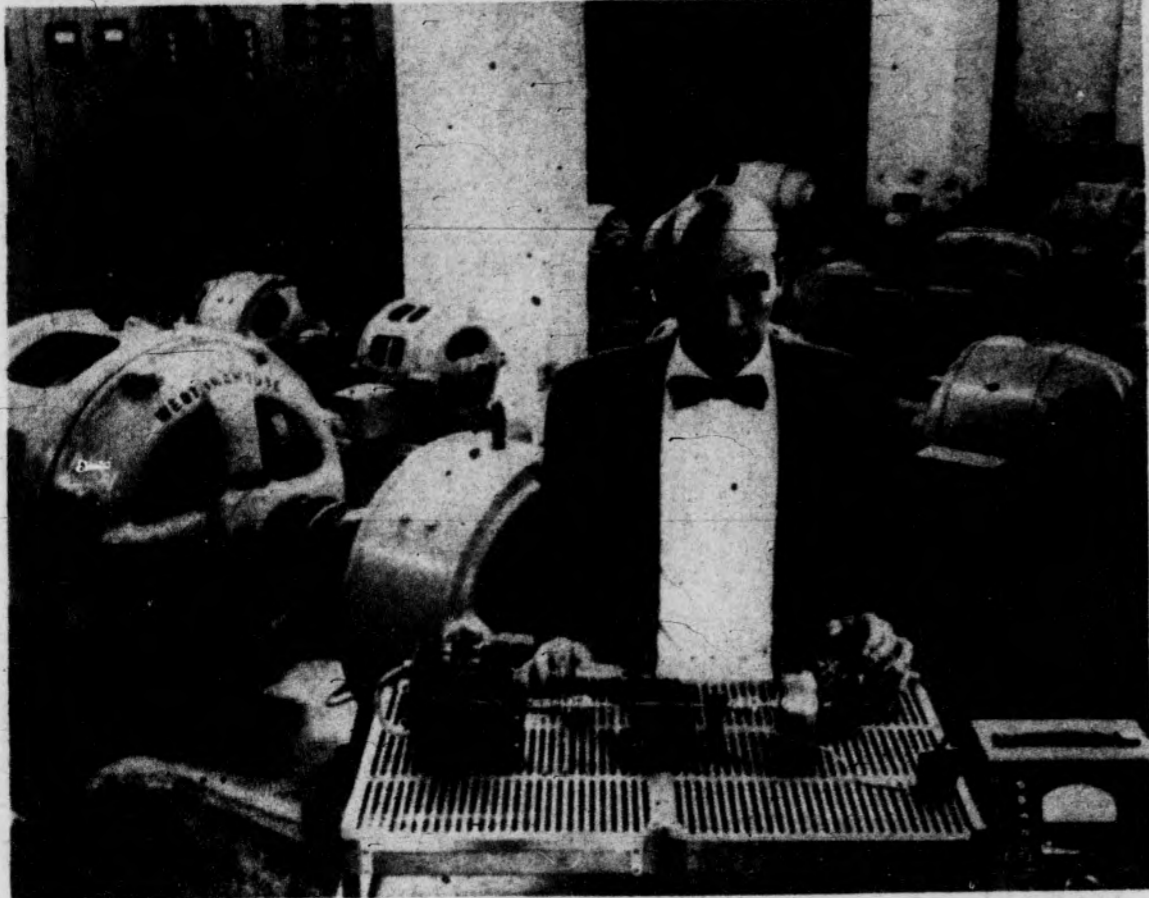
Doctor of Philosophy (Ph.D.), Doctor of Education (Ed.D.), Doctor of Business Administration (D.B.A.), Master of Arts (M.A.), Master of Science (M.S.), Master of Arts for Teachers (M.A.T.), Master of Music (M. Mus.), Master of Business Administration (M.B.A.), Master of Fine Arts (M.F.A.), Master of Landscape Architecture (M.L.A.), Master of Social Work (M.S.W.), and Master of Urban Planning (M.U.P.).

Facilities for graduate students are manifold. The University Library has a rapidly growing collection of over 700,000 volumes which is selected to serve as well as supplement the education and research programs of the University.

In order to bring the major areas of knowledge in close proximity, the divisional library plan has been established. The graduate student is further encouraged in his studies by specially designed study desks assigned to him.



Progress has been slow on the 116 unit addition to the Cherry Lane apartments, part of the university's married housing facilities. Thirty-six apartments, in four buildings, are expected to be ready for occupancy next week. After that, two buildings are scheduled to be completed every two weeks.



Professor Herman E. Koenig, of the electrical engineering department, demonstrates one of the model systems in front of the heavy, expensive and space-demanding machinery commonly used in university engineering laboratories. The new approach, Dr. Koenig said, is attracting the attention of engineering educators because it gives the students a better over-all concept of systems.

The desks are located on the three floors and the student is assigned a desk near the volumes in his particular subject.

THE LIBRARY also maintains departmental libraries to provide for specialized research in agricultural engineering, chemistry, music, physics-mathematics and veterinary medicine. These are located within the buildings of their respective schools and afford the student convenient reference and study materials.

To further the research and study by the graduate student, the Library participates in Interlibrary Loan with libraries throughout the United States. Thus if material is not available locally it will be borrowed from another library.

Graduate students and researchers also have available for use a high speed, general purpose digital computer called the MISTIC. It is one of only four computers of its type in the world, the other three being at the University of Illinois, Iowa State University and the University of Sydney in Australia.

Although MISTIC is operated by the College of Engineering, it is available to all faculty and students in any department of the University who are conducting research involving statistical or mathematical analyses. Members of the computer laboratory also provide consultation and advisory assistance to those wishing to use the MISTIC in their research.

SINCE ITS construction on the campus in 1957, MISTIC and the facilities of the computer laboratory have been widely used by graduate students from many departments in the social, biological and physical sciences, as well as in agriculture and engineering.

Additional facilities for research aid are the museum and the W. K. Kellogg Gull Lake Biological Station.

The discovery of new knowledge in almost every field is proceeding at an accelerated rate.

Each of the disciplines of the several colleges contributes according to its specialized capacity and function to a great-

er measure of understanding and knowledge of the universe, of man and of man's relation to the universe.

MSU has a large research program in operation which is for and financed by four general areas: industry, trade associations, foundations, and federal agencies.

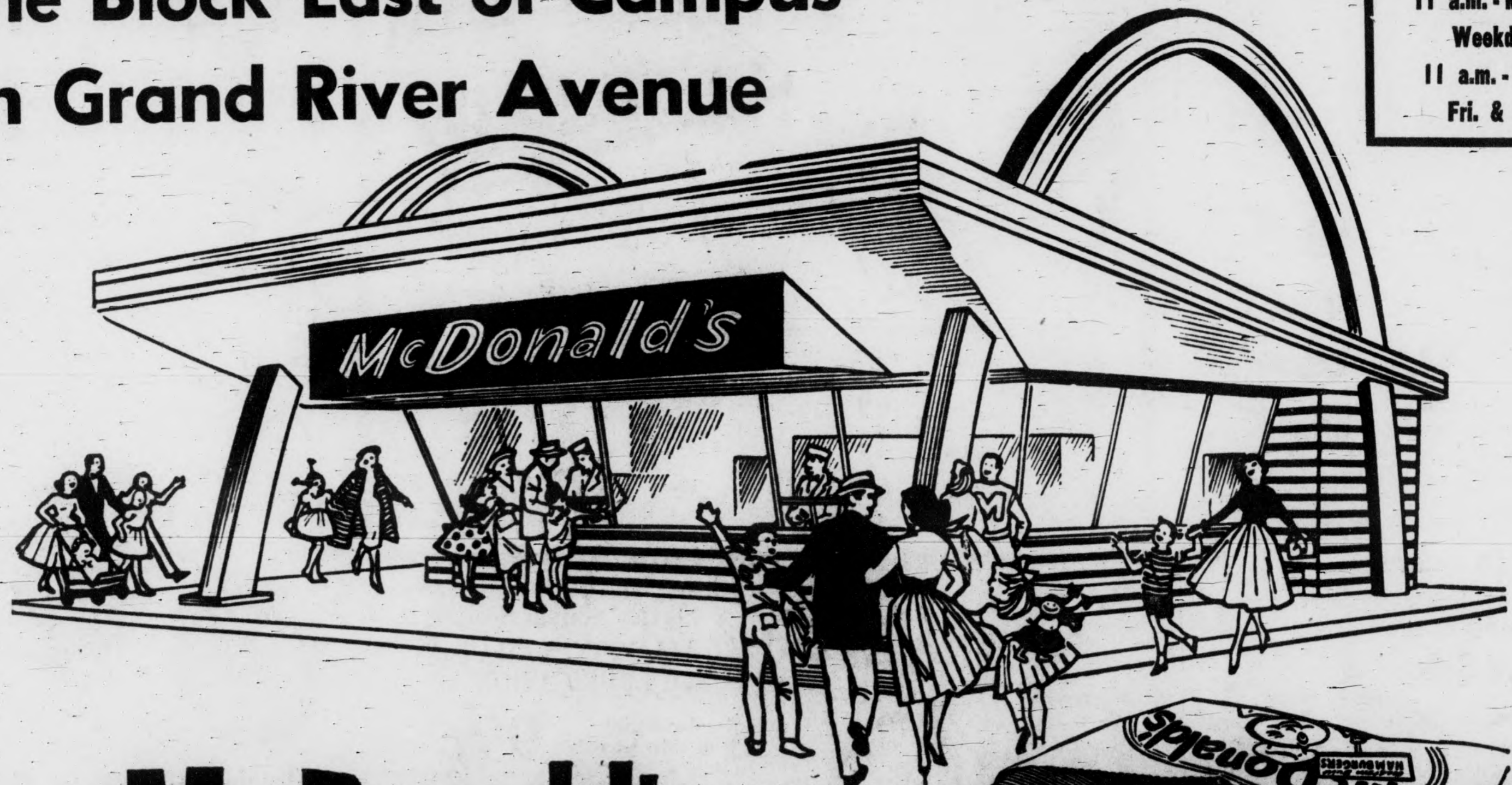
At present faculty and graduate research totals over 1,500 projects equally balanced between science and non-science areas. Of these 660 projects are in the biological and physical sciences. The Agricultural Experiment Station occupies several thousand acres on south campus and has pioneered many discoveries.

Dean Muelder of the School for Advanced Graduate Studies commented on the recent budget cutbacks in the University.

Reduction in funds has forced cutbacks in faculty research and supplies and equipment. However, more graduate students are now receiving teaching fellowships and assistantships which is improving the quality of the graduate education at MSU, Muelder said.

One Block East of Campus On Grand River Avenue

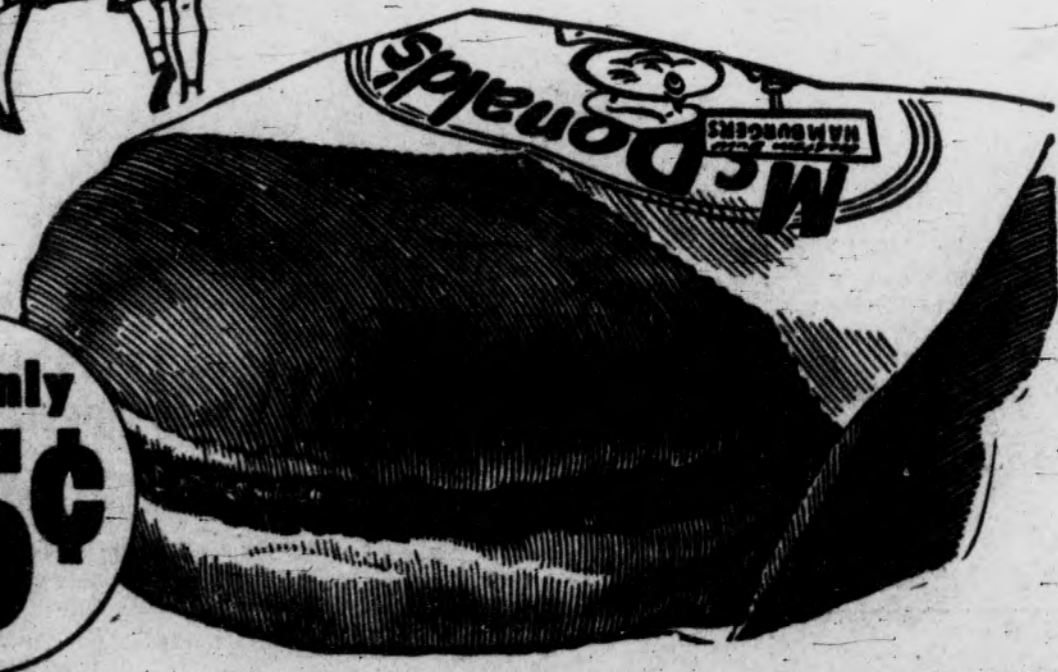
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Welcome Week Activities Start for Freshmen, Transfers

Traditional "Welcome Week" activities for new students will mark the start of the academic year.

There will be a full schedule of special convocations, orientations and other events to help new students become acquainted with the University.

Enrollment and registration will be contained within three days, Monday through Wednesday (Sept. 25-27), instead of four days as in former years.

THE SHORTER period was made possible by moving registration to the Men's Infirmary Building and by the completion of many pre-registration activities during Freshmen Counseling Clinics and pre-registration conferences for transfer students during the summer.

Classes start Thurs. Sept. 28. Most entering undergraduate students will arrive on campus Sunday. Those freshmen who have not attended the summer counseling program will report Saturday.

The climax of "Welcome Week" will be President John A. Hannah's welcome to all new students at 7:15 p.m. Wednesday in the Auditorium. Closed circuit TV will be used to accommodate overflow in Fairchild Theatre and other rooms in the Auditorium building.

ANOTHER feature of the convocation this year will be the appearance of the band under the direction of Dr. Leonard Falcone.

President Hannah will talk to parents of new students at two convocations in the Auditorium: at 1 p.m. Saturday and 2:30 p.m. Sunday.

Student guides will provide tours of the campus Saturday and Sunday. Monday through Wednesday they will assist new students with pre-registration activities.

Tower Guard and Green Helmet, sophomore honoraries, will set up information facilities at various campus locations during "Welcome Week."

RESIDENCE HALLS will offer special luncheons and dinners Saturday and Sunday to accommodate parents.

Various campus religious organizations will have open houses for new students and their parents Saturday and Sunday afternoons and will also hold receptions for new students at 8:30 p.m. Tuesday.

Students will have the opportunity to meet the deans and faculty members of the various colleges at 7:30 p.m. to 9 p.m. Monday.

Associated Women-Students, Women's Inter-Residence Council and Men's Halls Association have scheduled a variety of activities ranging from orientation meetings to informal dances.

MICHIGAN STATE'S incoming freshmen will hit a new

high for quality, officials indicate. Three out of four freshmen will come from the top quarter of their graduating classes.

More Michigan high schools than ever, 549, will be represented in the freshmen class. This is the largest number of Michigan schools sending students to any college or university in the state.

The percentage of women students at MSU, which has been rising about 1 per cent annually the past several years, is expected to increase again this year. Last year the student body included 35 per cent women and 65 per cent men.

Several new major physical facilities will be opened this fall at MSU. These include a new classroom building (Ernst A. Bessey Hall), a new building

to house the graduate programs in Business Administration (the Eugene C. Eppley Center), and a new undergraduate dormitory (Albert H. and Sarah A. Case Hall). Case Hall, to be only partially occupied, will house some 700 women students this fall. It will also house men students when completed winter term.

An additional group of married housing apartments, 116 of them, will also be completed this fall.

The Lansing Suburban Lines will inaugurate a bus service on campus routes this fall.

The University's new approach to incorporate academic facilities in living units will be in evidence this term.

Two classes in American Thought and Language and a class in Military History will

be available to freshmen in the Brody Dormitory group, meaning that some men students may take as many as seven credit hours of classwork in their dormitories. Also in the Brody group will be an adviser for freshmen who plan to major in business administration.

About 40 junior women students in elementary education

will receive almost all their classwork for the quarter in an Abbott Hall dormitory classroom.

In East Yackley Hall, 15 women students in advanced French will reside in the same areas as a graduate student from a French-speaking country. Some men students will go to the dormitory for classwork.

Shaw Hall will have a graduate business student adviser in the same area as junior and senior men students in business administration.

University-College courses, required of all MSU undergraduates, will be offered in Case

Hall when the building is completed winter term. There will also be a number of faculty offices in the building.

Academic facilities will also be included in another new dormitory (Wilson Hall) now under construction. It will be

ready for occupancy the fall of 1962.

Fall term commencement at MSU will be Dec. 8 with final examinations Monday through Friday (Dec. 11-15). There will be a Thanksgiving recess, Nov. 23-26.

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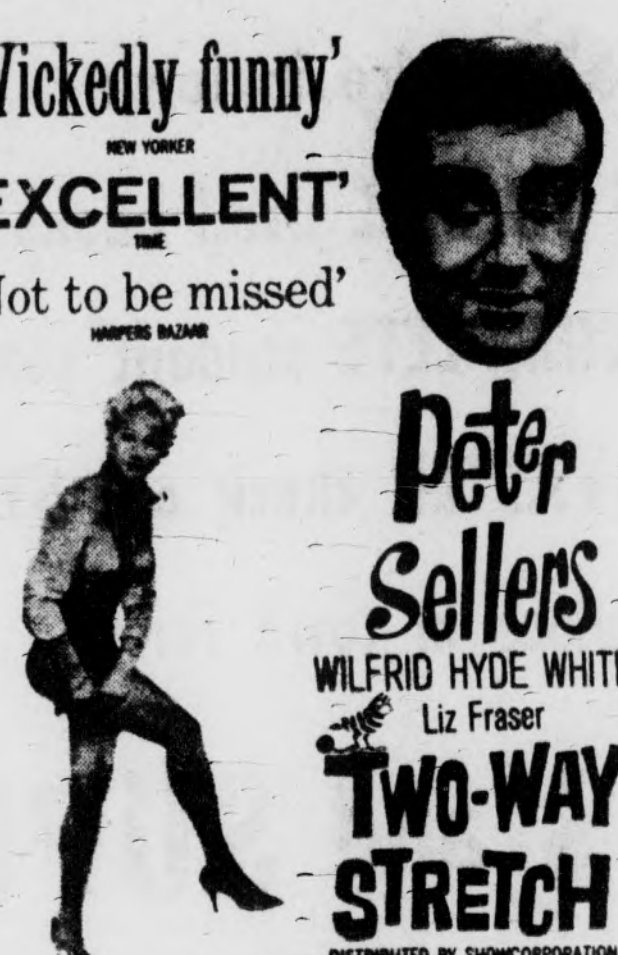
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