

# MSU News-Bulletin

Vol. 4, No. 10

Michigan State University

NOVEMBER 22, 1972



Robert Harris rehearses University Chorale. Story is on page 3.

— Photo by Dick Wesley

## Final TIAA-CREF clinics set Nov. 29-30

Final TIAA/CREF enrollment clinics will be held for clerical - technical and hourly employees in the Con - Con Room of the International Center Nov. 29 and 30.

Employees who have been unable to attend the "Group B" clinics and who are between the ages of 35 and 55 (as of Jan. 1, 1973) with three years of service should make arrangements to attend a special set of clinics Wednesday morning, Nov. 29. Participation in TIAA/CREF for these employees is required.

Clinics have also been planned for employees for whom participation in TIAA/CREF is optional. These include full - time employees who will have three years of service and are under 35 years of age as of Jan. 1, 1973, and part - time employees (50 per cent or more) who have five continuous years of service as of Jan. 1, 1973.

Employees wishing to enroll must bring a birth certificate or other proof of age.

Due to the large number of employees who wish to enroll in TIAA/CREF, the Personnel Office requests that employees attend clinics other than the one for which they are scheduled only if it is impossible to attend the assigned clinic.

All employees should check with their supervisors before attending a clinic.

### MSU Foundation approved

The University took a major step toward attracting more private financial support Friday, Nov. 17, when the MSU Board of Trustees approved the creation of the Michigan State University Foundation.

Articles of incorporation will be filed with appropriate state agencies in the near future and the foundation is expected to begin accepting gifts on behalf of the University within a year.

"The MSU Foundation will provide our overall development effort with significantly more flexibility," says Leslie W. Scott, vice president for development.

"It will allow us to accept and

manage assets that are not generally available to the University itself."

The private foundation would serve the University as its sole beneficiary, though legally it will be a separate entity. Such foundations are features of most other major state universities in the country.

The foundation will be able to accept such assets as land and trust funds, manage them, and turn them over to the University for research and academic programs.

Vice President Scott said a managing director and a 16-member board of directors for the new foundation would be selected in the near future.

#### GROUP B MAKE-UP CLINICS (TIAA/CREF participation required)

Last name begins with. . .

A through G

H through N

O through Z

Attend clinic on. . .

Wednesday, Nov. 29 at 8 a.m.

Wednesday, Nov. 29 at 9:30 a.m.

Wednesday, Nov. 29 at 10:45 a.m.

#### OPTIONAL CLINICS

Last name begins with. . .

A through B

C through E

F through H

I through K

L through M

N through R

S

V through Z

Attend clinic on. . .

Wednesday, Nov. 29 at 1 p.m.

Wednesday, Nov. 29 at 2:30 p.m.

Wednesday, Nov. 29 at 3:45 p.m.

Thursday, Nov. 30 at 8 a.m.

Thursday, Nov. 30 at 9:30 a.m.

Thursday, Nov. 30 at 10:45 a.m.

Thursday, Nov. 30 at 1 p.m.

Thursday, Nov. 30 at 2:30 p.m.

### Groups face light agendas

A friendly amendment to the interim grievance procedure will be on the agenda for both the Elected Faculty Council and the Academic Council when the groups meet Tuesday, Nov. 28. The Elected Faculty will meet at 3 p.m. and the Council at 3:15 p.m. in the Con Con Room of the International Center.

The amendment, to clarify the composition of the Appeals Panel, was proposed by Trustee Patricia Carrigan at the September meeting of the MSU Board of Trustees.

It modifies Section 3.8.7.4. and states that "three faculty members shall be selected by the Faculty Tenure

Committee from its membership followed by the selection of two faculty members selected at random from the University Appeals Board so that the resulting Appeals Panel shall consist of three tenured and two non-tenured faculty members."

The amendment has been approved by the University Tenure Committee.

The Council will vote on the amendment if it is approved by the Elected Faculty Council.

The remainder of the Council's agenda is light with a curriculum committee report and a report by President Wharton on the organization of the Elected Student Council.



## Science notes

# Prof's work in two worlds is rewarded

He makes the best of two worlds — teaching and research — and has just received an award of \$25,000 for the effort.

MSU chemist, James F. Harrison recently received the prestigious Camille and Henry Dreyfus Teacher-Scholar Grant for his outstanding work in chemistry research and teaching. The MSU Chemistry Department gets a supplementary \$3,000.

Comparable to the Sloan Foundation awards, but with more emphasis on teaching quality, the Dreyfus awards (only 16 granted this year) originated with an Advisory Committee in 1969 at the suggestion of Mrs. Jean Dreyfus Boissevain, foundation president.

Nominators attested to Harrison's teaching competence, which borders on the legendary for a teacher only 31 years old.

"Professor Harrison has got to be one of the best teachers in the world," said one student who nominated Harrison for the award. "It is obvious that his motives are not just to teach courses, but to teach students."

Also nominating Harrison was the Graduate Student Teaching Committee of the College of Natural Science: "He is not afraid to innovate; he is one of the few professors who has made valuable use of typing and distribution of notes for students' use during a lecture."

As any teacher knows, the preparation for class is time-demanding:

"Seventy percent of my teaching is outside of the classroom, doing what one has to do to present a good course," says Harrison.



BY  
PHILLIP  
MILLER

He conducts evening sessions every other week for students who gather to discuss with him their problems in chemistry. In addition, there are the other visits with students that make up teaching. And then there is actual classtime, the top of the teaching iceberg.

Why conduct research if teaching is so demanding?

"It's almost necessary to do research to be a good teacher if you teach at the college level," says Harrison. "The information we have is expanding so rapidly that I believe only the people who are in the process of contributing to that development can sort out what is significant and what is not, and convey this significance to their students in the most effective way."

What has Harrison contributed?

## Retirements approved for 15

The Board approved 15 retirements at its Nov. 17 meeting. These include:

LOUIS A. DOYLE, professor and associate director of continuing education and administration and higher education, one-year consultantship and retirement as professor emeritus effective July 1, 1974. Doyle has been a member of the faculty since 1954.

MARY FORTINO, cook, Union food service, effective Jan. 1, 1973. Mrs. Fortino has been employed by the University since 1950.

STUART A. GALLACHER, professor of German and Russian, one-year consultantship and retirement as professor emeritus effective July 1, 1974. He has been a member of the faculty since 1940.

W. A. GOLDBERG, professor of criminal justice, retirement as professor emeritus, effective July 1, 1973. He joined the faculty in 1967.

JOHN B. HARRISON, professor of history, one-year consultantship and retirement as professor emeritus on July 1, 1974. He joined the faculty in 1944.

RALPH C. HENRIKSEN, professor of art, one-year consultantship and retirement as professor emeritus on July 1, 1974. Henriksen became a member of the faculty in 1946.

ROSALIND B. MENTZER, professor and assistant dean of human ecology,

one-year terminal leave and retirement as professor and assistant dean emeritus effective Sept. 1, 1974. She joined the faculty in 1948.

CHARLES C. MORRILL, professor and chairman of pathology, a one-year terminal leave and retirement as professor and chairman emeritus effective July 1, 1974. He joined the faculty in 1955.

KEITH B. ODLE, associate professor and director of overseas study, Continuing Education Service, one-year terminal leave and retirement as associate professor emeritus on July 1, 1974. Odle joined the faculty in 1949.

ESTELLA R. PORTER, clerk, Office of the Registrar, effective Jan. 1, 1973. She has been employed by the University since 1956.

KARL L. SCHULZE, associate professor of civil and sanitary engineering, retirement as associate professor emeritus as of July 1, 1973. He joined the faculty in 1955.

ARTHUR W. SIRIANNI, associate professor of romance languages, one-year consultantship and retirement as associate professor emeritus, effective July 1, 1974. Sirianni has been a member of the faculty since 1947.

STEPHEN G. STEVENS, assistant professor of engineering instructional services, one-year consultantship and retirement as assistant professor emeritus, effective July 1, 1974. He joined the faculty in 1955.

W. LOWELL TREASTER, professor and director, Information Services, one-year terminal leave and retirement as professor and director emeritus effective July 1, 1974. He joined the faculty in 1944.

VIOLET M. SMITH, kitchen sanitation technician, Mason - Abbot Halls, disability retirement, effective July 1, 1972. She has been employed by the University since 1949.

One story about Harrison, distilled and heady, is that the results of many years of experiments on the part of one Nobel Prize winner didn't agree with Harrison's computerized predictions of what the Nobel laureate should have observed. The story goes that he sent a letter to the eminent chemist and suggested that he recheck his laboratory results.

Harrison rebuts that version of what happened:

You don't just ask a Nobel laureate to check his data, says Harrison.

Here is how it happened:

Around 1960, Gerhard Herzberg published his version of the structure of one of the basic units of organic chemistry; a two-carbon, two-hydrogen short-lived entity called methylene. Herzberg, who is with the National Research Council of Canada and won the Nobel Prize in 1971, said the atoms were lined up pretty much in a straight line.

"Calculations by myself and other people," says Harrison, "indicated that the molecule was bent such that the angle between the two CH bonds was 136°, rather than 180°."

The calculations were discounted by most chemists. They preferred to believe the experiment.

But two years ago, simultaneously at Penn State, Bell Telephone Laboratories, and Rutgers, people ran electron spin resonance experiments which showed that the molecule was indeed bent 137°, within one degree of Harrison's prediction.

Herzberg reexamined his data and now agrees with the newer calculations.

"It's an instance where we had a very difficult experiment to do and the calculation was ahead of the game," says Harrison. "The calculation was correct for many years but was not so regarded until recently."

Harrison did his calculations and communicated with Herzberg through a published letter.

"I simply suggested that the experiments needed to be re-examined," says Harrison.

"We are at the point now where in some areas the theoretical calculation is competitive with the experiment," says the teacher-researcher with the Dreyfus feather in his cap.

## History in sound

### "Their finest hour"

By G. Robert Vincent  
Curator, National Voice Library

(Actual recordings that detail this and other events are available in the National Voice Library on the fourth floor of the Library. An appointment can be made by calling 355-5122.)

This is a short story about a really inspiring personality, Winston Churchill.

England and Germany were at war again in the fall of '39. Chamberlain's appeasement of Hitler had failed and the British public demanded new strong leadership in 1940. As the Nazis overran the European continent and were poised for an invasion of England, Mr. Churchill became the prime minister.

CHURCHILL: "... The Battle of Britain is about to begin. Upon this battle depends the survival of Christian civilization. ... Let us, therefore, brace ourselves to our duty and so bear ourselves that, if the British Empire and its Commonwealth last for a thousand years, men will still say 'This was their finest hour' ..."

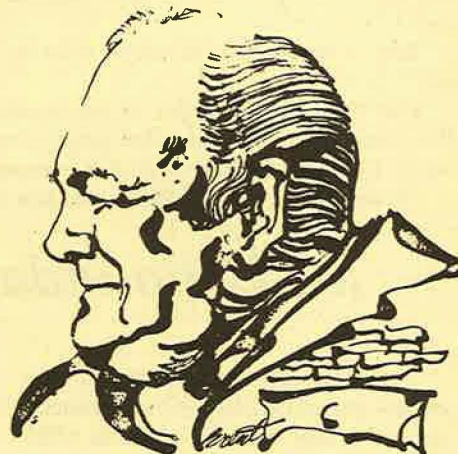
Britain courageously fought on alone. France capitulated. For many weary months the lone warriors suffered great defeats. Then came Pearl Harbor and a new ally. With Americans and Britons battling on the western front and Russians on the east, Germany finally was forced to surrender.

Winston Churchill had a delightful sense of humor. Talking to some American GIs during a 4th of July celebration, after the war, he said:

"... I'm directly descended, through my mother, from an officer who served in

Washington's Army (LAUGHTER & CHEERING) and, as such, I have been made a member of your strictly select Society of the Cincinnati (LAUGHTER). I have my pedigree, supported by affidavits at every stage, if it is challenged (LAUGHTER) So what! ... " (LAUGHTER & APPLAUSE)

What I've always believed to be one of Churchill's most moving remarks was made on his 80th birthday, surrounded by hundreds of his admirers:



"... I have never accepted what many people have kindly said, namely, that I inspired the nation. Their will was resolute and remorseless and, as it proved, unconquerable. It fell to me to express it and, if I found the right words, you must remember that I've always earned my living by my pen and by my tongue. (LAUGHTER) It was the nation and the race all round the globe that had the lion's heart. I had the luck to be called upon to give the roar! ..."

## MSU News-Bulletin

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# Around the campus: A summary

## *The State ranks 5th in funding*

Michigan ranks fifth in the country in total state appropriations and 15th in per capita funds allotted to higher education, according to a nationwide survey of state higher education appropriations prepared by M. M. Chambers of Illinois State University for the Chronicle of Higher Education.

Like the country as a whole, the growth rate in state spending on higher education has dropped considerably in Michigan during the last two years, but not as dramatically as it has in most other states.

Michigan's total higher education appropriation for 1972-73 of \$417,815,000 placed the state behind only California (with a budget of slightly over \$1 billion), New York, Illinois and Texas.

On a per capita basis, Michigan taxpayers contribute \$46.08 to higher education compared to a national average of \$41.46. Hawaii and Alaska have the highest per capita appropriations with \$84.95 and \$73.75 respectively, and New Hampshire ranks last with \$16.79, more than \$10 below 49th ranked Massachusetts with \$26.79.

The most significant fact to emerge from Chambers' analysis is the decline in the growth rate of state appropriations. Between 1968-69 and 1970-71, expenditures for higher education throughout the country expanded by 39 per cent. During the last two fiscal years, it grew by only 23 per cent, a 16 per cent drop.

Michigan's appropriations growth rate for the same two periods declined 9 per cent, from 31 per cent to 22 per cent.

Among Michigan's 13 state-supported colleges and universities, MSU experienced the third-lowest appropriations growth rate during the last two years — 17 per cent. Only Eastern Michigan University and Ferris State College with a 14 per cent change were lower.

Grand Valley State College with a 78 per cent increase in appropriations over the last two years and Oakland University with a 45 per cent increase experienced the highest appropriations growth rates in the state.

## *New text lists deficiencies*

Professionals in agriculture throughout the world are usually well-outfitted with an "urban and academic background," and as a result they have a hard time constructing extension education programs that serve the needs of rural people.

This is the contention that two agricultural specialists — one of them from MSU — make in a new book that examines agricultural extension education in 12 nations, including the United States, Great Britain, Japan, India, Pakistan and Nigeria.

The authors are George H. Axinn, MSU professor of agricultural economics, and Sudhakar Thorat, who earned the Ph.D. at MSU and now is professor at Mahatma Phule Agricultural University in Poona, India. Their book is called "Modernizing World Agriculture: A Comparative Study of Agricultural Education Systems" (Praeger Publications, New York).

They say that agricultural professionals are versed in technology, and so they tend to work for "governments, schools, banks, and agricultural industry."

"Throughout the world," Dr. Axinn and Dr. Thorat add, "they tend to despise the farmer — the cultivator. This makes it very difficult for them to design and implement extension education programs that fit the needs and interests of rural people."

The two authors say that their focus is on "the hundreds of millions of people who till the soil and manage the livestock, and who literally feed and clothe us all."

"Most of the people on this earth live on the land and struggle to survive," they add. "Life is tough, work is hard, and amenities are few. But life has its quality too. The sun is warming, the air is clean, and the Gods seem near. . . ."

Axinn is also president and executive director of the Midwest Universities Consortium for International Activities, Inc., housed at MSU. It includes MSU, Indiana University, and the Universities of Illinois, Minnesota and Wisconsin.

## *Doctors support MSU study*

The Michigan State Medical Society (MSMS) is supporting efforts by MSU's College of Human Medicine to determine the feasibility of setting up community-based medical training programs in the Upper Peninsula.

At a recent meeting of the MSMS House of Delegates, the organization went on record to endorse and offer assistance to the feasibility study. The delegates also voted to encourage MSU to recruit qualified students from rural Michigan for the proposed programs.

MSU recently received a federal grant to study the feasibility of using Upper Peninsula colleges, universities, hospitals, clinics and physicians to teach medical students and other health professionals to help alleviate a shortage of physicians.

The resolution endorsing the MSU study was introduced by Escanaba physician Donald Fitch, who told the delegates that "there are many trained, experienced doctors of medicine who are qualified to establish medical training programs in the Upper Peninsula."

He also pointed out that, with only one physician for every 1,284 residents the Upper Peninsula is well below the national average of one doctor for every 761 persons.

## *Driving and drinking don't mix*

We must educate today's driver on how to drink and drive more safely.

That's the paradoxical contention of Dr. J. Robert Howenstine, assistant chief of the Crime Prevention Laboratory, Michigan Department of Public Health.

Alcohol warps the judgment of even the experienced driver, and it poses great danger for the 488,000 Michigan 18- to 20-year-olds who are able to drink

legally for the first time, Howenstine told Michigan women highway safety leaders meeting last week in Kellogg Center for Continuing Education.

"Safety experts are pretty much agreed that it is pointless to tell the public not to drink and drive, because people do it anyway; a more practical approach is to educate the public on how to drink and drive more safely," he declared.

He explained that a federally supported study shows that two-thirds of American adults drink; that 41 percent of them are light to moderate drinkers; 12 percent, heavy drinkers, and 15 percent, infrequent drinkers. And most adults drive, he said.

"The inexperienced driver needs to know what effect a given amount of alcohol will have on him and on his driving, before he drinks and becomes involved in a tragedy, Howenstine told the safety leaders.

"Unfortunately, one of the first effects of alcohol is to impair their judgment, including the ability to evaluate one's own actions or to make decisions on how much more to drink."

Howenstine underscored the danger to the young driver who "attempts to handle alcohol" at the same time he is "learning to determine braking distances, proper acceleration, how to judge distances and passing speeds and how to react to complex traffic situations in split seconds.

## *Chorale to give concert*

The Christmas season will be ushered in musically in mid-Michigan when the MSU Chorale performs Handel's "Messiah" at 8:15 p.m. Monday, Nov. 27, in the Music Auditorium.

Under the direction of Robert Harris, the University Chorale will perform part one of the "Messiah" — the first 21 movements. This section, which runs about an hour, is complete in itself and deals with the prophecy and birth of the Christ child.

"The Messiah" is probably Handel's most inspired and definitely his most popular work," said Harris. "However, it is seldom performed in the way Handel conceived it. It was not written for a large chorus and symphony orchestra, but rather for a smaller performing force."

The performance will involve the 25-voice University Chorale and a 14-piece chamber orchestra which will include oboes, bassoons, strings and harpsichord. It will also employ some of the vocal techniques of the Baroque period.

"In the Baroque period," said Harris, "individual singers would ornament the arias written by Handel and other composers. This added a certain flair and individuality to the performance and demonstrated the skill and vocal technique of the singer."

The ornamentation, Harris explained, is not a continuous improvisation as in jazz, but rather an occasional embellishment of the melodic line.

This is the University Chorale's third season and Harris says he has seen growth and improvement each year. "Standards are higher, and I am more selective in choosing voices. I try to take a professional approach in training this ensemble."

The group includes mostly graduate students.

Several off-campus appearances are scheduled for the group this season, including concerts at Oakland University, the University of Western Ontario and a performance of the "Symphony of Psalms" with MSU's State Singers and the Battle Creek Symphony.

The performance is open to the public without charge.

## *Subantarctic grant renewed*

MSU botanist Henry A. Imshaug has received a \$31,200 renewal grant from the National Science Foundation (NSF) for his research in the subantarctic, a region just north of the Antarctic Circle.

The continuing NSF grant has supported his trips to the subantarctic where he explores islands off New Zealand. He searches for and collects lichens, moss-like plants which are fungi mixed with microscopic algae.

The MSU scientist is seeking a relationship between the remote islands and continental drift by using the plants as evidence for the link.

"We're trying to visit as many of these remote islands as possible," says Dr. Imshaug.

"The islands probably have been closely linked with South America and its islands. We have found that the plants of the areas of New Zealand and Chili are quite similar."

The National Science Foundation is also sponsoring drilling expeditions in the same region for supporting clues to the continental drift.

The MSU botanist begins his next trek to the subantarctic next week.



HENRY IMSHAUG



# Profiles

## Teaching only one of Crane's hobbies

### The Two Cultures — Flower's Eye View

Art cuts roses at the stem  
Waters, arranges, admires them.

Science searches and collects,  
Cuts, splits open, and inspects.

Art's roses die in splendid waste,  
A sacrifice to joy and taste.

The roses of science also die  
That botanists must classify.

If truth is beauty I suppose  
It's little difference to the rose.

Though poets, roses must reflect,  
Would rather murder than dissect.

—Maurice Crane, "Overture," June, 1971

Maurice Crane considers himself "the luckiest guy in the world." The reason, he says, is because he doesn't have a "job."

Although University records have him labelled as a professor of humanities, Crane says the title doesn't indicate work, but a hobby.

"Teaching, music and writing poetry are my hobbies," he says. And by all indications, especially from students, he is successful in all of his hobbies.

Crane joined the University faculty in 1953 after receiving his M.A. in 1950 from the University of Chicago and his Ph.D. in English in 1953 from the University of Illinois. He was a teaching assistant in English at Illinois from 1950-53.

"But I am not a college graduate," he says. "I didn't get a bachelor's degree."

During the time others from his high school class were attending college, Crane was traveling with "no name" bands and sporting a clarinet. He was also serving in the Navy.

But the G.I. Bill and a persuasive woman (his wife Elayne) motivated him to complete his Ph.D. and go into teaching.

He says he feels especially lucky that his scholarly travels have brought him to MSU and humanities. "Where else could a guy teach Japanese humanities, the Greco and Roman period, the Bible, and jazz history all in one term," he says.

Sitting in one of his classes reveals his enthusiasm for students and teaching. He gets excited about Biblical characters and updates them for the students into popular television and political figures. His gestures, his pacing and his voice levels turn his lectures into plays and himself into one of the actors.

"I like the students to get the feeling that they are having a one - to - one relationship with me, even though there may be more than 100 students in the room," he says. "To me teaching should be a conversation."

Additionally, according to Crane, he doesn't believe in talking down or up to any of his students. "But each student should get something out of my lectures whether he has an I.Q. of 84 or 184," he adds.

"Each student comes to the University with a vessel to be filled. And no matter if it is a shot glass or a 12 - gallon jug, the student should leave the University with it full."

Crane says that not only does he like students, but he believes them to be human beings.

## MSU Positions Available

**IMPORTANT:** Administrative-Professional and Clerical - Technical applicants should contact the Employment Office at 353-4334 by November 28, 1972 and refer to the vacancy by the posting number. Instructional staff applicants should contact the departments noted.

### FACULTY

Asst. or Assoc. Prof., Counseling Center (Ph.D.) Background in counseling psychology, one year supervised internship Clinical and supervisory ability with emphasis on service to minority students.

Rowland R. Pierson, Director  
Counseling Center

Asst. Prof., Off. of Health Serv. Ed & Res. (Ph.D.) Background in health education, planning, economics, and evaluation.

Dr. Sidney Katz, Off. of  
Health Services Educ. & Research

Asst. Prof., Organizations and Sociology (Ph.D.) Position involves teaching and research duties.

William A. Faunce, Chairman  
Department of Sociology

### CLERICAL-TECHNICAL

81. VII Sr. Departmental Secretary — Typing, shorthand, and bookkeeping. A major part of responsibility is handling correspondence and clerical work incident to graduate student applications. \$6,660 - 8,272

82. VII Sr. Departmental Secretary — Typing, shorthand, and general knowledge of University office and business procedures. Much public contact. \$6,660 - 8,272

83. VI Buyers Assistant — Two years business office experience, typing, maintain files of correspondence forms, reports and other materials. Makes appointments and screens phone calls. Types quotation requests and prepares sealed bids. \$6,436 - 8,048

84. I Food Service Supervisor — Experience in food production and service. Should be familiar with quality restaurant dining room operation. Able to work a flexible shift. \$2.85/hr.

Departmental Secretary V (2 vacancies) \$6,267 - 7,389

Senior Clerk IV (1 vacancy) \$5,735 - 6,926  
Clerk-Stenographer III (2 vacancies) \$5,511 - 6,562

Clerk-Typist II (4 vacancies) \$5,440-6,422

MICHIGAN STATE UNIVERSITY IS AN  
EQUAL OPPORTUNITY EMPLOYER



MAURICE CRANE

— Photo by Dick Wesley

"That's why," he says, "I always have time to see students and write recommendations for them."

Crane is also a "greeter." He is the professor who meets with parents of incoming freshmen. And he is the professor who welcomes the National Merit scholars to campus each year. He attributes these honors to the fact that he's "a talker."

Talking well has given him an opportunity for another "hobby" — serving as an occasional interviewer on local television stations. And television work has given him the opportunity to talk with such people as film critic Judith Crist and Madame Nhu's father.

Another "marvelous" thing in his life, according to Crane, is his band. The "Geriatrics - 6, plus 1" is composed of faculty members who specialize in Dixieland. "It's a great opportunity for all of us to get together," he says.

Crane says there are many outstanding things in his life, and being a proud father, he lists his four children among the "most outstanding."

His goal, according to Crane, is just what he's doing now. "After all, these are the good ole days."

—SANDRA DALKA

## Tell Personnel

A recent article in "Tell Personnel" stated that employees leaving Michigan State University and accepting employment with Michigan Civil Service do not carry their service credits with them. This is not entirely true. While they do not carry their service for retirement, they are given service credits for Michigan Civil Service longevity and for additional leave purposes.

On March 13, 1972 the Civil Service Commission approved sub - section 5.3a which reads as follows:

— Longevity and additional leave credit. — An employee shall be allowed State service credit, for longevity and additional leave purposes only, for employment in any non - elective excepted or exempted position which immediately preceded entry into the State classified service, or for which a leave of absence was not granted.

This ruling applies to service in State institutions of higher education.

## Achievements

LINDA WAGNER, professor of English, has recently been elected to the Board of Directors for the Midwestern Literature Association. She also published two essays on Hemingway's novels, one in the current Journal of Modern Literature, the other in Journal of Narrative Technique.

WENDELL WESTCOTT, associate professor of music and MSU carillonneur, has completed a full complement of seven camponological articles to appear in the next edition of the Encyclopedia Britannica. He has recently appeared in Carillon concerts at the University of Eastern Kentucky; Rees Memorial Carillon at Springfield, Ill.; Green Bay, Wis.; New Britain, Conn.; and in Bloomfield Hills, Mich.

KARL T. WRIGHT, professor emeritus of agricultural economics, is currently in Tokyo, Japan, helping to plan a symposium on developing agricultural productivity in Asian countries.

OLAF MICKELSEN, professor of food science and human nutrition, was honored recently for his active interest in water as a basic element of human

nutrition that dates back to World War II. Mickelsen received the newly established Emmett J. Culligan Award for "outstanding contributions and dedication to the preservation and improvement of water quality for the benefit of man and his environment."

PAUL L. MOORE, associate professor emeritus of continuing education, has been named "Educator of the Year" by the Michigan Nursing Home Administrators Association, a statewide professional organization.

LOUIS F. TWARDZIK, professor and chairman of the Department of Park and Recreation Resources, was recently elected president of the Society of Park and Recreation Educators at the organization's annual meeting in Anaheim, Calif.

SUE ANN YOVANOVICH, field services coordinator for the regional Instructional Materials Center for Handicapped Children and Youth, has been selected to appear in the 1972 edition of "Outstanding Young Women of America" in recognition of outstanding ability, accomplishments and service.



# Investor, consumer policy outlined

At its Nov. 17 meeting, the MSU Board of Trustees approved a policy spelling out the University's role as an investor and consumer. The full text of that policy is printed below.

## The University as Investor and Consumer: Social Responsibility in Business Affairs

The University as a corporate entity carries on business affairs including investing, purchasing, employing people, acting as a landlord for University housing, and deciding (University) land use policy. These and other necessary business activities affect the neighboring community, the state, and the nation. It is essential that the University consider these effects on the community as it manages its affairs.

### Elements of a General Philosophy on University Business Affairs.

The major purposes of Michigan State University are education, research, and public service. The University has an obligation to seek and disseminate knowledge and understanding. In carrying out these primary functions, the University will inevitably have an impact on the social, economic, and political institutions within the society of which it is a part, but the University's functioning can be neither motivated nor directed by political ends.

The major aim of the University in its business affairs is to support the academic role of the University. The University must seek to maximize cost effectiveness relationships to best support these primary functions. To do otherwise is to negate the role that society at large has prescribed.

As a publicly chartered institution, Michigan State University should exhibit social conscience and should act accordingly in the conduct of its own business affairs.

Individuals or groups within the University community who wish to question University business actions or influence its business policies should have an opportunity to do so.

Most decisions, of course, are routine in nature and should be expedited to serve the University community. Yet, provision needs to be made for careful consideration of special cases and circumstances whenever they arise.

Public interest questions are typically complex and often impossible for obtaining consensus. Information required for treating such questions is difficult and costly to obtain, and, often, is highly subjective.

The University is a very large and complex community—its constituency is even more so, as many competing interests are represented. For Michigan State

University to become an advocate of a particular group opinion carries risk of loss of effectiveness in its research, teaching, and service functions.

### Recommendations on University Investments.A. Guidelines.

1. The University cannot and should not be expected to police a large number of public corporations in which it has investments. It can and should seek to avoid socially negative investments; and it can and should re-evaluate holdings in rare cases when evidence is presented that re-evaluation is appropriate.
2. The performance of investment counselors who advise the University on the investment of its funds should be reviewed periodically. Performance should be assessed primarily upon optimal investment criteria such as returns and risks. The investment counselors shall be informed of these guidelines. However, the University may choose not to follow the advice of investment counselors for reason of social responsibility, among others.
3. The complexity of questions that are likely to arise prohibit establishing specific criteria for judging social responsibility. Questions arising will have to be examined individually.
4. The responsible officials of the University, or their designees, shall vote all proxy statements and cast a vote on all issues presented, subject to approval by the Board of Trustees.

### B. Implementation.

1. The University Business Affairs Committee shall have the responsibility for reviewing the social performance of any company included in the investment portfolio and which is brought to the attention of the University as not performing in a socially responsible way. Upon completion of the review, the committee shall have the responsibility of making recommendations regarding the status of the company's continuance in the University's portfolio to the appropriate University official.
2. The committee may initiate a review when some individual or group within the University requests it and is ready to support its claims with information and research regarding the firm in question.
3. Representatives of any company being reviewed will be informed of any complaint against the company and will be invited to defend its social performance before the committee.
4. Voting of proxies will normally support management on routine matters. When SEC approved proxy solicitation does arise concerning aspects of social responsibility with support from an individual or group within the University, the solicitation shall be referred to the University Business Affairs Committee for review and recommendations to the responsible University officials.



## Futuristic center services MSU

The year isn't "2001." There's no "Space Odyssey." And there isn't an electronic "Hal."

But like the fantasy movie tale of computer control, the MSU data processing center seems like something out of the future.

Located in the basement of the Administration Building, the center is a maze of machines, offices and people — all in constant activity.

It's this activity that produced approximately 299,304 paychecks for the University last fiscal year. It's this activity that processes approximately 640,000 grade cards for students each

year. It's this activity that makes the campus telephone directories possible.

Frank Martin, who has been with the University for 34 years, heads the center. He saw the department become

updated from tabulating machines in 1938 to computers in 1963.

Three generations of computers have serviced the University in the last nine years. The newest generation of equipment, the IBM 370/155 line, will be installed in the center next week.

"This generation of equipment is more advanced and has more capacity and storage terminals than the equipment we're now using," Martin says.

In expectation of the new equipment, 42 of the center's 70 staff members have been receiving upgraded training.

The department is basically organized into a systems and programming division and an

operations division. Each division serves the three major "user" areas. These are university business, student records and the university general.

During 1971-72, more than 24,000 hours of production time were

produced by the systems and programming group.

The center is supported equally by the offices of the vice president for finance and the provost under which the three main user areas come. Other departments or colleges who might have a "special project request" are

served on a charge basis.

The facility operates 24 hours a day five days a week. Additionally, one computer operates on weekends.

Ronald Soltis, documents and research supervisor, explains that over the weekends, the computer basically serves such areas as the University's telephone office.

"The campus operators can, by using a program code, instantly find a person's listing in the directories. The listing is transmitted on a tube similar to a television screen," he says.

According to Soltis, these teleprocessing tube screens are located in various other University offices, such as accounting.

Program codes can be changed hourly, daily or as often as required to provide security.

Security is important to the data processing center because of the vast University records contained in the facility.

Martin explained that as a security measure, records are also stored in other locations in a two - county area surrounding the University. "That's in case a tornado or fire damaged the files in the center," he says. "However, the master tapes are contained in a fireproof vault that will protect them up to 4,000 degrees."

Information in the center is stored on cards, tapes or disks. The disks resemble long playing records and are stored in packs in a disk storage facility. Each pack has 20 recording sides for information. The packs revolve at a speed of 2,400 revolutions per minute. "They revolve at such a speed it appears that they aren't moving at all," Soltis says.

To retrieve information, in addition to the teleprocessing, a printer is used. Similar to a typewriter, a printer can produce 20 lines per minute.

The center also is equipped with off-line (non computer) machines. These include collators, tabulators, reproducers and sorters.

— SANDRA DALKA



## The Board recap

# All items approved at year-end meeting

The University's role as an investor and consumer, the creation of a private foundation to accept funds on behalf of the University, and Duffy Daugherty's appointment as assistant to the vice president for development were items acted upon by the Board of Trustees at its Nov. 17 meeting.

It was the last meeting of the year.

### ROLE AS AN INVESTOR

The policy statement on MSU as investor and consumer, including its social responsibility, was approved by the Board by a 7-1 vote. Trustee Warren Huff opposed the motion.

The policy provides that individuals or groups from within the University may ask for a review of any company in the MSU portfolio or may raise a question on a proxy vote, when social responsibility is involved.

Such matters would be referred to the University Business Affairs Committee for review and recommendations.

Huff said that he is opposed to a committee being involved in the procedure because the University "has a monstrous committee system" and because of the dollars spent for faculty time on committees.

The business affairs committee is a standing committee of the Academic Council which includes 14 faculty members and 7 students.

"We have highly paid administrators perfectly capable of making the

decisions," he said, "and there is no need for a committee."

Roger Wilkinson, vice president for business and finance, said that the committee only serves in an advisory capacity and the administration makes the decisions.

### PERSONNEL ACTIONS

The Board accepted the resignation of Hugh Duffy Daugherty as MSU head football coach after 19 seasons and appointed him special assistant to the vice president for development. (See related story)

The Board passed a resolution introduced by Trustee Blanche Martin lauding Daugherty for his long and distinguished service to the University. Trustees Patricia Carrigan and Frank Hartman also praised the MSU coach.

Trustee - elect Jack Stack, however, requested permission to address the Board and expressed his displeasure that Daugherty spoke against Proposal B on local television the day before the Nov. 7 general election. (The proposal, which was defeated, would have legalized abortion in the state.)

Stack, invited to participate unofficially in the meeting, said that he was personally displeased that such a "great man" with so much fame should speak publicly on the issue. "It was detrimental to the Proposal and especially to the welfare of the women of the state," he said.

Trustee Carrigan said that if Daugherty affected the defeat of the Proposal, "we can't afford to lose a man with that much prestige."

The meeting was also attended by the Board's other new member, Aubrey Radcliffe, a social, vocational and academic counselor for the Lansing Public School System.

Stack and Radcliffe, both Republicans, will occupy Board seats now held by Trustees Clair A. White and Frank Hartman.

In other personnel actions, the Board approved 13 appointments, four academic promotions, 19 leaves, 15 transfers and change in assignment, 24 resignations and 15 retirements.

Judith Ann Turk, currently extension family living editor in the Department of Information Services, was appointed an assistant to the president.

Trustee Carrigan remarked that it was good to see that the position was filled by a woman and that there would now be a woman in the Administrative Group.

### MSU FOUNDATION

The Board also approved the creation of the MSU Foundation. (See related

story). The move was made in an effort to attract more private financial support for the University.

### OTHER ITEMS

The Board approved changes in the Student Motor Vehicle Regulations allowing students to drive or park on campus after University work hours and on weekends without registering their vehicles. These privileges are currently extended to the public.

Gifts grants and scholarship funds totaling approximately \$2.5 million were accepted by the Board.

Major grants are supportive of academic programs, and research and development in audiology and speech science, agricultural education at the international level, human medicine, remote sensing in relation to botany and plant pathology, public health, and the MSU Institute of Water Research.

Alterations of space under the south balcony of the University Auditorium were approved by the Board. The alterations, costing \$10,700, will provide suitable space to accommodate the WKAR - AM/FM electronics repair shop when its present quarters in Quonset No. 59 are razed later this fall.

## Duffy to fill new post



DUFFY DAUGHERTY

Duffy Daugherty's resignation as MSU football coach has stirred mixed feelings among many on campus, but Leslie W. Scott, soon to be Daugherty's new boss, is in a particular quandary in thinking about the Irishman's decision to leave coaching.

On the one hand, as a long - time friend of Daugherty, loyal Spartan fan, and former faculty representative to the Big Ten from MSU, Scott shares the nostalgic sense of loss at seeing the Daugherty era come to an end.

On the other, as vice president for development, Scott recognizes the tremendous asset Daugherty will be in strengthening and expanding the University's development programs.

He does not hide his delight in having Daugherty aboard. Following Friday's Board meeting, at which Daugherty was appointed special assistant to Scott, the vice president talked about a new role for the man who has coached Spartan grid teams for the last 19 years.

"Duffy has all the attributes to help us build a strong development team," Scott said. "He has an innate talent for

public relations, and of course handles himself extremely well before large groups.

"He has a warm, personal type of appeal, and has built up a large number of friends and acquaintances throughout the country."

Scott said Daugherty would be particularly effective in attracting contributions to the intercollegiate athletic program, but would also be invaluable in the capital gift campaign that MSU is likely to undertake in the future.

Nineteen years of patrolling the Spartan Stadium sidelines have given Daugherty a solid identity with the institution.

"When Duffy phones an alumnus in California," Scott said with a grin, "he won't have to waste a lot of time identifying himself."

Daugherty's appointment is effective on January 1, but he was also granted a three month leave of absence before starting the new job.

"I plan to relax and unwind a bit after the football season and possibly travel some with my family," he said of his leave plans.

## Books

NORMAN O. PENLINGTON, professor of humanities, is author of a book entitled "The Alaska Boundary Dispute: A Critical Reappraisal," which was published recently as part of the Frontenac Library by McGraw - Hill Ryerson, Ltd.

CHARLES S. ST. CLAIR, professor of natural science, is the editor of a paperback, "Development of Geological Knowledge," published by the MSU Press.

## Tenure given to 32

Tenure recommendations for 32 faculty members were approved by the Board of Trustees at its Nov. 17 meeting:

Timothy S. Chang, poultry science; Yash P. Kapur, audiology and speech sciences and surgery; Vernal D. Seefelt, health, physical education and recreation; Ray E. Helfer, human development; Tai Akera, pharmacology; Herbert B. Fowler, psychiatry; George F. Bertsch, physics; Calvin Washington, community medicine.

Lawrence O. Copeland, crop and soil sciences; Richard J. Aulerich, poultry science; Thomas H. Falk, German and Russian; Seok C. Song, linguistics and Oriental and African languages; Leona S. Witter, music; Bruce L. Miller, philosophy; James Anderson, elementary and special education; J. Yvonne Waskin,

elementary and special education; John V. Polomsky, engineering instructional services; Mary Ellen Zabik, food science and human nutrition; Thomas R. Stoeckley, astronomy.

William G. Fields, botany and plant pathology; N. Jean Enochs, Science and Mathematics Teaching Center; Phyllis P. Evans, social work; Bernard Finifter, sociology; Maurice N. Hungiville, American thought and language; Paul P. Somers, Jr., American thought and language; Roy H. McFall, University College; Kenneth J. Harrow, humanities; Karl C. Carter, natural science; Patricia S. Gage, natural science; Edward A. Duane, social science; Delbert L. Whitenack, pathology, Gretchen L. Flo, small animal surgery and medicine.

The faculty members acquire tenure with their reappointment effective Sept. 1, 1973.

## University is short of goal

Pledges and contributions by faculty and staff to the United Community Chest as of Nov. 16, the final day of the formal campus drive, amounted to \$173,282 or 87% of the University's goal of \$200,000.

Campus campaign chairman, John C. Howell, said: "Without minimizing this achievement, it is necessary to acknowledge a certain disappointment that stems from an optimism shared by many during the first weeks of the campus campaign."

"Pledges and contributions reported during that period ran appreciably ahead of last year's and the hope was that our goal would be met."

"Unfortunately contributions in the fourth and final week of the formal campaign fell appreciably below what was achieved last year. Apparently earlier reports reflected more the diligence of many volunteer workers in distributing pledge cards and not an increase in the number of persons willing to support Community Chest through the campus drive," Howell said.

There are outstanding contributions still to be reported, he further explained. In addition, there is a post-campaign effort in some units to contact persons who have yet to return their pledge cards. However, it is not expected that these will be sufficient to reach the goal.

Among the University divisions that exceeded 100% of their goal were: University Relations, 162.3%; Lyman Briggs College, 145.8%; College of Human Ecology, 131.6%; College of Agriculture and Natural Resources, 115.7%; College of Education, 113.7%; Executive Vice President's Office, 104.4%; and Dormitories and Food Services, 103.7%. There were also over 220 units within other divisions meeting or exceeding the 100% mark.

"To these divisions and units and to all contributors should come a sense of satisfaction in knowing that because of them important social services which otherwise would not have been available will be provided to citizens of our community," Howell said.



# BULLETINS

## OBEDIENCE

A dog obedience contest sponsored by the wives of veterinary students will be held at 6:30 p.m. Monday, Nov. 27 in the MSU Judging Pavilion. There is no charge for admission. For information, contact Pat Smith, 489-7675.

## MEN'S IM HOURS

The Men's IM Bldg. will be closed Thanksgiving Day, Thursday, Nov. 23. It will be open from 11 a.m. to 2 p.m. Friday and Saturday, Nov. 24 and 25, and from 1 to 6 p.m. Sunday, Nov. 26. Pool hours Friday and Saturday will be noon to 2 p.m.

## OPEN SKATING

The Ice Arena will be closed for open skating on Thursday and Friday, Nov. 23 and 24. Skating hours on Saturday, Nov. 25 will be from 10 to 11:30 a.m., 3:30 to 5 p.m. and 8:30 to 10 p.m. Sundays hours will be from 3:30 to 5 p.m.

## WOMEN'S IM POOL

The Women's IM Bldg. will close at 5 p.m. Wednesday, Nov. 22 and will remain closed all day Thursday for Thanksgiving. On Friday, Saturday, and Sunday, Nov. 24-26, the pool only will be open from 11:30 a.m. to 1:30 p.m.

# EXHIBITIONS

## Hidden Lake Gardens, Tipton, Michigan

On display in the Arboretum are more than 1000 tree and shrub taxa representing more than 90 genera. Open daily 8 a.m. until sundown.

## Kresge Art Center

Paintings: One-man shows of paintings by staff artists Clifton McChesney and Stacy Proffitt. Entrance Gallery.

Silk screen prints: An exhibit of prints in series showing the process of development arranged by James McConnell. Joseph Grippi, New York, has loaned 20 prints by seven artists for this show. The gallery will be closed Thursday and Friday, Nov. 23 and 24.

## Library

Throughout November will be displayed "An Almanack for Book-Lovers," marking birth anniversaries of such literary figures as Colley Cibber, Oliver Goldsmith, George Eliot, Lawrence Sterne, Jonathan Swift, and Mark Twain.

## Museum

"Treasures from Two Continents" includes an exciting and beautiful collection of artifacts making its debut on the main floor. These masks, carvings, and silver crosses represent the artisans of Indonesia, China, Africa, and Ethiopia. They are from the Kline collection, recently donated to the Museum.

# CONFERENCES

Nov. 26- Dec. 1 Job Search Information Institute

Nov. 27-30 Job Search Officials Institute

Nov. 27- Dec. 7 Basic Life & Health Insurance Institute, Lincoln Park

Nov. 29 Systems Modeling in the Fertilizer Industry

All conferences will be held in Kellogg Center unless otherwise noted.

Students and faculty members are welcome to attend these continuing education programs. Those who are interested should make arrangements in advance with the Office of University Conferences, 5-4590.

# SEMINARS

## WEDNESDAY, NOVEMBER 22, 1972

Busing and integration—con. Larry Lezotte, 1:30 p.m., 2W Owen. **Center for Urban Affairs.**

Is there a role for c-AMP in higher plants? Robert Keates, 4:10 p.m., 101 Biochemistry. **Plant Research Laboratory.**

## MONDAY, NOVEMBER 27, 1972

Inelastic effects in  $^{24}\text{Mg}(d,t)$  and  $(d, ^3\text{He})$  reactions. Ronald O. Nelson, 4:10 p.m., Seminar Room, Cyclotron Laboratory. **Cyclotron.**

Newer methods of monitoring respiratory system. N.E. Robinson, 4 p.m., 149A Vet. Clinic. **Large Animal Surgery and Medicine.**

A model of placental function. Thomas H. Kirschbaum, 4 p.m., 216 Giltner. **Physiology.**

## TUESDAY, NOVEMBER 28, 1972

Effects of post-harvest storage on quality of fresh and processed asparagus. Young C. Lee, 4 p.m., 103 Food Science. **Food Science and Human Nutrition.**

The emerging Michigan wine industry. Nate Stackhouse, enologist, Michigan Wineries Inc., 4 p.m., 209 Horticulture. **Horticulture.**

Permanent magnet stability. R.J. Parker, General Electric, Magnetic Materials Division, Edmore, Michigan, 4:10 p.m., 312 Engineering. **Metallurgy, Mechanics and Materials Science.**

Tumor virus RNA-Directed DNA Synthesis. J.M. Taylor, Dept. of Microbiology, U. of California at San Francisco, 4:10 p.m., 146 Giltner. **Microbiology and Public Health.**

Iterated logarithm law in Banach space. Raoul LePage, 4:05 p.m., 405A Wells. **Statistics and Probability.**

## WEDNESDAY, NOVEMBER 29, 1972

Possibilities for biological control of fungus diseases. Keith Yoder, 4:10 p.m., 168 Plant Biology. **Botany and Plant Pathology.**

Alternative solutions for urban education. Ron Edmonds, assistant superintendent, Michigan State Dept. of Education, 1:30 p.m., 2W Owen. **Center for Urban Affairs.**

Lactose malabsorption in relation to age and ethnic background. Wanda Chenoweth, 4 p.m., 131 Anthony. **Institute of Nutrition.**

Higher education planning and management systems: The basic concepts. Patrick J. Toole, 3 p.m., 106 Eppley. **Management.**

Effects of alpha-adrenergic stimuli on cyclic AMP levels in hamster adipose tissue. R.W. Butcher, U. of Massachusetts Medical School, 12 p.m., 449B Life Sciences. **Pharmacology.**

Some aspects of the activation of enzymes by monovalent cations. Clarence Suelter, 4:10 p.m., 101 Biochemistry. **Plant Research Laboratory.**

## THURSDAY, NOVEMBER 30, 1972

Some applications of topology to model theory. Michael Morley, Cornell U., 4:10 p.m., 304A Wells. **Mathematics.**

Rocket borne studies of aurora. Hugh R. Anderson, Dept. of Space Science, Rice U., 4:10 p.m., 120 Physics-Astronomy. **Physics.**

## FRIDAY, DECEMBER 1, 1972

Present status and future prospects for commercial communications satellites. Pier L. Bargellini, COMSAT Laboratories, Communications Satellite Corp., 3 p.m., 100 Engineering. **Electrical Engineering and Systems Science, Student branch IEEE.**

Research report on locating controversial facilities. Julian Wolpert, professor of geography and regional science, U. of Pennsylvania, and vice president, Association of American Geographers. 2 p.m., 409 Natural Science. **Geography.**



## FRIDAY, NOVEMBER 24, 1972

Thanksgiving vacation

- 8 p.m. "Christmas Star"—A popular sky theatre presentation offering possible explanations for the phenomenon of the Star of the Magi, this program has appeal for adults and children alike. Tickets are available at the door.

## SATURDAY, NOVEMBER 25, 1972

- 1 p.m. Football—MSU vs. Northwestern. Spartan Stadium.  
2:30 p.m. "Christmas Star" (see Nov. 24). Abrams Planetarium.  
8 p.m. "Christmas Star" (see Nov. 24). Abrams Planetarium.

## SUNDAY, NOVEMBER 26, 1972

- 4 p.m. "Christmas Star" (see Nov. 24). Abrams Planetarium.

## MONDAY, NOVEMBER 27, 1972

- 8:15 p.m. Concert—The University Chorale will perform the first 21 movements of Handel's "Messiah" with a 14-piece chamber orchestra. Vocal techniques of the Baroque period will be employed. The performance is open to the public without charge. Music Auditorium.

## TUESDAY, NOVEMBER 28, 1972

- 12 p.m. University Club luncheon—MSU basketball coach Gus Ganakas will talk about the prospects for this year's varsity team.  
8 p.m. Basketball—MSU vs. Toledo. Jenison Fieldhouse.  
8 p.m. Folkdancing—Instruction will be followed by dancing at 9 p.m. 327 M.A.C.

## WEDNESDAY, NOVEMBER 29, 1972

- 8:15 p.m. Broadway Theatre Series—A rip-roaring farce, "No Sex Please—We're British" will star Tony Tanner. A young bride who orders vast amounts of pornography by mistake becomes entangled in hilarious complications as she tries to hide the material from her husband. Tickets may be purchased at the Union Ticket Office. Auditorium.

## FRIDAY, DECEMBER 1, 1972

- 7 p.m. Concert—The University Women's Glee Club will present their Christmas concert. There is no charge for admission. Alumni Memorial Chapel.  
7:30 p.m. Hockey—MSU vs. Michigan Technological University. Ice Arena.  
7:30 p.m. Swimming—MSU vs. Eastern Michigan. Men's IM pool.  
8 p.m. "Christmas Star" (see Nov. 24). Abrams Planetarium.  
8:30 p.m. Glee Club Christmas concert (see above). Alumni Memorial Chapel.

## SATURDAY, DECEMBER 2, 1972

- 10 a.m. Advanced degree commencement. Auditorium.  
2:30 p.m. "Christmas Star" (see Nov. 24). Abrams Planetarium.  
3 p.m. Baccalaureate commencement. Auditorium.  
4 p.m. Basketball—MSU vs. Kentucky. Jenison Fieldhouse.  
7:30 p.m. Hockey—MSU vs. Michigan Technological University. Ice Arena.  
7:30 p.m. Wrestling—MSU vs. Ohio. IM Sports Arena.  
8 p.m. "Christmas Star" (see Nov. 24). Abrams Planetarium.

## BULLETINS

**ACADEMIC COUNCIL** The Academic Council will meet at 3:15 p.m. Tuesday, Nov. 28 in the Con Room, International Center. Coffee will be served to members at 2:50 p.m.

**REALITY AND MYTH** Jacob E. Nyenhuis will present a public lecture on "Discovering Reality through Myth" at 8 p.m. Tuesday, Nov. 28 in Union Parlor A. The lecture, illustrated with slides, is sponsored by the Dept. of Romance Languages.

**MEETING CANCELLED** The Board of Trustees meeting originally scheduled for Dec. 8 has been cancelled. The next meeting will be held Jan. 12. Deadline for material for consideration at the January meeting must be in the office of the executive vice president or the provost by Dec. 20.

**COMMENCEMENT** Fall term commencement will be held on Dec. 2 in the Auditorium. The awarding of advanced degrees will be held at 10 a.m. and baccalaureate degrees at 3 p.m. Members of the faculty should assemble and don academic costume in the west basement of the Auditorium at least 30 minutes before the opening ceremony. Academic apparel may be rented at the Cap and Gown office in the Union from Nov. 27 through Dec. 1. Office hours are 8:30 a.m. to 5:30 p.m.

**FINAL GRADES** Grade cards will be delivered to departmental offices on Nov. 30 and should be checked immediately to determine if there is a card for each student. Grading systems are printed on the face of each grade card. Final grades are due back in the Office of the Registrar, 150 Administration Bldg., 5-9596, 36 hours after the final examination is given. The Registrar's Office will make pickups from departmental offices each morning after 9 a.m., and each afternoon after 2 p.m., beginning Thursday, Dec. 7. The final pickup will be made starting at 8 a.m., Tuesday, Dec. 12. Otherwise, grades should be delivered to 150 Administration Bldg. no later than 11 a.m. Dec. 12.

**FRUIT BASKETS** The Horticulture Club is taking orders for holiday gift baskets of fruit. Both peck and half-peck sizes will be available during the week of Dec. 4-8. To order, call 5-5204.

**TERRARIA** The Floriculture Forum will be selling Christmas terraria beginning Monday, Nov. 27 for \$5 and up. Orders may be placed in 109 Horticulture or by calling 5-0438 or 5-6340 after 5 p.m.

**INTEREST GROUP** The Faculty Folk International Interest Group will meet at the home of Mrs. Frederick Dutton, 931 Wick Court, East Lansing, at 1 p.m., Monday, Nov. 27. Joseph Lee, a native of mainland China and a professor of humanities at MSU will speak on "China Today." Dr. Lee and his wife recently returned from a six-week tour of his homeland. For further information call Mrs. George Petrides or Mrs. Ralph Smuckler.

**EXHIBITION AND SALE** A special exhibition and sale of original oriental art will be held from 10 a.m. to 4 p.m. Wednesday, Nov. 29 at Kresge Art Center. Marson Ltd. of Baltimore will exhibit works by Hiroshige, Toyokuni, Kunichika, Chikanobu and other masters, plus a collection of etchings, woodcuts, lithographs and drawings by distinguished contemporaries in all price ranges.

**TO ADVISE STUDENTS** Students interested in applying for summer employment with Federal agencies are advised that the final date to make application for the Jan. 6 test date is Nov. 24. Copies of the summer job brochure for Federal agencies listing opportunities available and explaining application procedures are available in the Student Employment Office, 110 Student Services. There will be a second test given on Feb. 10 for summer employment with Federal agencies and the final application date for this test will be Dec. 29.

*Information on MSU events may be submitted for possible inclusion in the bulletins to Patricia Grauer, Dept. of Information Services, 109 Agriculture Hall, (517) 353-8819. Deadline for submitting information is noon Tuesday preceding the Thursday publication. The calendar of events will cover a 9-day period, Friday through Saturday.*