



GEORGE GARRATT

## Degrees go to 1,700

More than 1,700 degrees will be awarded at fall term commencement Saturday (Dec. 2).

A total of 1,013 bachelor's candidates will be cited at the ceremony that begins at 3 p.m. in the Auditorium. Speaker for the event will be Elliot L. Richardson, secretary of health, education and welfare.

At 10 a.m. Saturday, also in the auditorium, exercises will be conducted for 698 candidates for master's, doctor's and educational specialist degrees. Speaking at the morning commencement will be Dr. Richard E. Sullivan, dean of the College of Arts and Letters.

Richardson, who joined the Nixon Cabinet in 1969 as undersecretary of state before assuming his present post in

1970, will receive an honorary doctor of laws degree. Also receiving honorary doctorates of laws will be Leonard Woodcock, president of the United Auto Workers, and Dr. George A. Garratt, professor and dean emeritus of Yale University's School of Forestry.

Woodcock led the UAW in contract negotiations for 15 years beginning in 1955. He became president of the union in 1970 when Walter Reuther died in a Michigan plane crash.

Garratt is a graduate of MSU and served for 20 years as dean of Yale's forestry school before retiring in 1965. He holds three other MSU awards, including the Distinguished Alumni Award (1951), the Centennial Award (1955), and the College of Agriculture Outstanding Alumni Award (1964).



LEONARD WOODCOCK

# MSU News-Bulletin

Vol. 4, No. 10

Michigan State University

NOVEMBER 30, 1972

## Ten percent sought

### FAFCC, U look back and ahead

Ten percent — that's what the faculty is seeking via the University Faculty Affairs and Faculty Compensation Committee (FAFCC) in salary increases in the 1973-74 budget.

It is also the amount the University administration has included in its budget request to Governor Milliken.

Frederick Williams, FAFCC chairman and professor of history, said that although the recommended 10 percent increase is less than what is needed by the faculty, it reflects a realistic and reasonable hike.

Provost John Cantlon said it is much too early to predict what level salary increase the Governor would recommend for fiscal 1973-74, or what amount the legislature would finally appropriate.

"We have asked for 10 percent, a level we believe is thoroughly justified," he said. "However, the wage and price guidelines and legislative action determine that the decision will be made elsewhere."

Cantlon noted that in the past the administration had been able to provide salary increases in excess of the

resources allocated by the legislature, "but our ability to do that is diminishing as a result of continued belt-tightening in all operational areas."

The FAFCC is currently studying compensation and fringe benefits for faculty. "We are interested in establishing a compensation system for faculty that doesn't just satisfy demands this year or next, but a defensible system that looks ahead to five years from now," Williams said.

"We could work each year on these goals with the money available," he said. "And establishing this system could have already begun if the administration hadn't ignored our recommendations last spring."

The FAFCC's recommendations for the 1972-73 budget included a system of distributing a proposed 7 percent increase to cover merit, "maintenance of competitive positions," and elimination of salary inequities.

Additionally, the recommendations provided equity adjustments for female faculty and the establishing of base salaries for each academic rank (10-month equivalents) over a five-year

period. Williams said the base salary system was one of the more important of the recommendations.

He added that the only FAFCC recommendation adopted by the University from the 1972-73 study was upgrading female faculty.

Cantlon said the administration had not "ignored" the FAFCC recommendations. He said the extent of the administration efforts to follow the recommendations have not been fully understood by most faculty.

"The FAFCC recommended a 7 percent increase. Funds, however, were available for only a 4 percent increase," he said.

"The FAFCC recommended equity adjustments totalling \$100,000 for female faculty and \$50,000 for 12-month professors. Approximately \$125,000 was used for these two purposes," according to Cantlon.

Last year the FAFCC had

recommended \$80,000 for the establishment of base salaries of \$8,000 for instructors, \$11,000 for assistant professors, \$14,000 for associate

(continued on page 4)

## Proposal passed

The Elected Faculty Council and the Academic Council Tuesday approved an amendment to the interim grievance procedure which sets the composition of the Appeals Panel.

The amendment 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."

## Search begins for dean

An eight member search committee began the process of selecting nominees for the deanship of Lyman Briggs College earlier this week.

The committee, made up of four faculty members of the college, two students, one faculty member from outside the college and a representative from the Provost's Office, is seeking a replacement for Dean F. B. Dutton who plans to relinquish the deanship June 30.

The student members were elected by the Lyman Briggs student body in a balloting supervised by the college's Student Advisory Committee. The four

Lyman Briggs faculty members were nominated by the College Advisory Committee and elected by the faculty as a whole. The other two committee members were named by the provost.

Steven Spees, associate professor in the science-oriented undergraduate college and chairman of the search committee, said letters were sent Wednesday soliciting possible nominees.

He said he expects the committee to select a slate of three to five nominees by the middle of winter term which will be sent to Provost John Cantlon. Cantlon will select one of the candidates and send his name to the Board of Trustees for approval.



—Photo by Dick Wesley

Today's paper is the final News - Bulletin of fall term. The first winter term issue will appear on Jan. 4. Deadline for submission of materials for inclusion in the Calendar of Events section will be noon, Tuesday, Jan. 2.

## Science notes

# BANG!-- then there's a universe

*"In the beginning there was darkness upon the deep. There was light, and out of that light came everything we now observe."*

Dr. Allan Sandage — noted astronomer from Mt. Wilson and Mount Palomar Observatories — used the Biblical quote above to end his Henry Norris Russell Lecture at MSU last August. His comments here at the 138th meeting of the American Astronomical Society were the basis for a November article in Science, the prestigious American journal of science.

Author of the article, Dr. William D. Metz of the Science staff, said after the lecture that he had heard similar references to the creation of the universe from other astronomers.

They talk of an initial unleashing of tremendous energy in an expanding universe.



BY  
PHILLIP  
MILLER

"While astronomers reared in the oriental cultures express very little interest in cosmology," said Metz, "scientists educated within the western Judeo-Christian tradition continue to be fascinated with questions about the origin of the world."

Favored is the "big-bang" idea that the universe began with an explosion of

## Follow-up follows first appeal

A follow-up to the All-University Development Fund Campaign will begin next week with mail solicitations directed to faculty and staff, according to John D. Shingleton, Placement Bureau director and chairman of the campaign committee.

The first phase of the annual appeal began in May, with approximately 400 donors on campus providing \$25,500.

Shingleton said the follow-up appeal to those who have not contributed is stressing three points; tax advantages which greatly reduce the cost of giving, the ability of the donor to designate his gift to the college of his choice, and the importance of faculty and staff gifts in generating donations from other sources

such as alumni, corporations and foundations.

"It is important to the over-all Development Fund program to be able to show potential donors that faculty and staff are willing to support their own university," Shingleton emphasized.

Tax advantages to year-end giving include a 50 per cent Michigan income tax credit up to a maximum of \$100, and federal income tax deductions. For a donor with a joint taxable income of \$13,000, for example, a \$100 gift would actually cost about \$40 and a \$25 gift would cost only about \$9.

Shingleton also noted that the use of payroll deduction is available to spread the cost of giving over the year.

## Suburb is book's subject

The residents of white, affluent Grosse Pointe talk about blacks. The few blacks who have permanently crossed its boundaries also talk about Grosse Pointe.

Kathy Cosseboom has sought out and recorded their opinions in a new 167-page book released by the Michigan State University Press — "Grosse Pointe, Michigan: Race Against Race."

Mrs. Cosseboom was born and grew up in Grosse Pointe. As a Grosse Pointe News reporter during the summer of 1966, she followed police reporting of the first black family's move into the community.

She went back two years ago, after the initial furor had died down, to find out what the attitudes were of the residents of the five communities — Grosse Pointe Farms, Grosse Pointe Woods, Grosse Pointe City, Grosse Pointe Park and Grosse Pointe Shores.

She discovered that the people of Grosse Pointe agree it's still a sheltered

community. The first black family moved out after several months and few others have moved in, she says.

Mrs. Cosseboom examines housing, education, and religion in Grosse Pointe. The book is divided into short conversations with more than 35 of the people who have been involved in race relations in the community, and includes the frank assessment of the attitudes of her own family.

The author spoke with such people as a member of the Grosse Pointe Property Owners Association who said, "Realtors are showing property to Negroes. . . they have to."

She also includes conversations with one of the first blacks to enter Grosse Pointe University School who said, "Sometimes I'm not sure it's worth it," and with a minister who said, "Some of our people will have to express their true feelings if we are going to do anything about redirecting them and ourselves."

Mrs. Cosseboom comments, "Grosse Pointe runs a two-legged race, with those seeking more racial contacts and those who fear more racial contacts in the same pant leg. Meanwhile, rumblings in the nearby black ghettos of Detroit nearly scare the pants off them both."

There is no conclusion to be drawn, she says, "Grosse Pointe waits, like many other similar communities and often doesn't know it is waiting. It tires, and drags its feet, fearful of taking the first step."

compacted matter, or ylem. If true, the freeze-dried neutrons were mashed so close together the ylem had a density one million billion times that of ordinary water.

A cube of ylem, 200 yards on a side, would be enough matter to duplicate the earth.

What happened when the ylem exploded?

"Well, in the beginning there was light," commented one astronomer.

A panel of astronomers was asked by Jean Pearson of the Detroit News, what happened before the big-bang?

"That's not a question for astronomy," replied one panel member. Perhaps the astronomer meant that answers to such questions are too speculative and untestable for science.

Some astronomers say that the universe is not expanding without limit, but instead oscillates with expansion and contraction. A similar idea of matter "coming-to-be and passing-away" predates Aristotle's works.

But as Sandage illustrated with his talk, ideas of the history of the universe are becoming more and more scientific.

He talked about radiation from objects which shone at about the time that only 10 percent of the age of our universe — an estimated 18 billion years — had elapsed. The radiations have been detected by telescope.

The primordial objects are called QSO's, or quasi-stellar objects. They seem to have been something related to stars.

The 200 inch Mount Palomar telescope pulls in light from QSO's which existed more than 12 billion years ago.

QSO light is shifted to a reddish hue, light lowered from its normal frequency, because of the relatively rapid increase of the distance between earth and the original QSO.

Similarly, the train sound at a railway crossing goes lower than normal in pitch (and frequency) as the train travels away and the distance between train and observer increases.

Just what the limit to the red shift of the QSO's is may be a key to the age of the universe.

Sandage told AAS that the outstanding problem for astronomers was not only to determine what the universe has been, but to predict what the universe will become.

He said the past may become more clear since the 200-inch telescope cannot find a QSO with a red shift of more than 3.

QSO's appear to hang near the edge of time.

"If one could substantiate that a red shift limit of 3 is real," asked Sandage, "have we actually observed the edge of the universe or the horizon of the universe in time? If so, this would be a fairly decent proof that the universe has not always been the way it is now, that it has evolved."

## Community "Pitch-in" aims for less litter

Pitch-in! This is clean up week.

City, University and state officials have pitched in, together, to keep the area clean.

At a Monday morning kickoff, officials including Robert Perrin, vice president of university relations; H. Lynn Jondahl, state representative-elect from the 59th District; George Colburn, East Lansing city councilman and Mark Rosenhaft, director of the MSU Waste Control Authority, all proclaimed the need for everyone's help to maintain environmental hygiene.

"We believe litter is a serious people problem," said Rosenhaft. "Whether it is Joe College discarding a beer can, or Sally High School throwing away a lunch sack, or Fred Faculty grinding out a cigarette butt, or Football Fan Harry dumping his ticket stub, program, or popcorn box on the ground — someone has to pick it up after them."

"Our theme is simple — bend over, pick up litter and discard it in a trash can. Believe me, if every student, faculty and staff member, alumnus, and guest of MSU picked up three pieces of litter per day we would not have a problem."

In a written statement, President Clifton R. Wharton, Jr. appealed to University people to join with state and community litter-prevention campaigns, and to pitch-in.

"The campus of Michigan State University is renowned as one of the nation's most beautiful. Yet, it cannot live up to this deserved reputation or remain a pleasant place to study, to work and to live if we permit ourselves to be inundated by litter," he said.

"I urge everyone in the University community to support the work of the MSU Waste Control Authority, the 'Keep Michigan Beautiful' campaign and the efforts of the City of East Lansing to improve our physical environment."

Pitch-in materials, which include plastic litter bags, stickers for cars and trash containers, and plastic litter containers for cars, can be picked up in the Waste Control Authority office, 212 E. Holden Hall on campus.

One highlight of Pitch-In Week is a solid waste art contest which will be judged over the weekend.

Art work made from trash should be submitted by Friday, said Sue Carter, project coordinator for the Waste Control Authority.

Art work for the contest:

— Must be made of discarded or reclaimed waste material such as paper, metal, glass and rubber.

— Cannot contain perishable material.

— Cannot be more than six feet wide or five feet high.

## MSU News-Bulletin

Editor: Mike Morrison  
Associate editor: Sandra Dalka  
Associate editor: Patricia Grauer

Editorial offices: Rooms 323 and 324, Linton Hall, Michigan State University, East Lansing 48823. Phone: 355-2285.

Published weekly during the academic year by the Department of Information Services. Second-class postage paid at East Lansing, Mich. 48823.

# Around the campus: A summary

## University standards are unchanged

Although a new agreement assures future community college graduates an easier time in transferring to the state's four - year colleges and universities, MSU still retains responsibility for determining the admissibility of any student or credits taken by that student.

In a voluntary agreement led by the Michigan Association of College Registrars and Admissions Officers (MACRAO), 18 four - year institutions, including MSU, pledged to accept the general education requirements of 16 community colleges as equal to their standards.

Provost John Cantlon stressed this agreement does not change MSU's current practices concerning transfer of general education credits taken at other institutions.

The MACRAO document requires nine credits in English composition and 12 credits each of humanities, social science and natural science. "The transferability of courses proposed to meet these credit blocks will be determined by MSU according to current procedures," Cantlon said.

If a student is admissible to MSU, and the appropriate number of credits in approved courses have been earned, then the student would be considered to have met MSU's general education requirements. "The MACRAO proposal is therefore consistent with existing MSU policy," he said.

The proposal was reviewed and approved by the University College, the Admission Office, the Educational Policies Committee, the Provost's Office and the President's Office.

## Ecosystems research cooperation needed

Engineers, biologists and social scientists must achieve a working relationship if solutions are to be found to the problems of technological planning and regional economic development.

The need for a coordinated assault on the problems involved in control by society of the short-term and long-term dynamics of the physical world, as an ecological life-support system, are underlined in an article in the November issue of "Wavelengths," a publication of the Institute of Electrical and Electronic Engineers, Inc.

Author of the article is Herman E. Koenig, professor and chairman of electrical engineering and systems science, and one of three codirectors of the MSU Ecosystem Design and Management Program now in its third year on campus, with major funding by the National Science Foundation.

The life support system, Koenig said, is a set of interconnected transformations of the structural state of materials, such as the finite petroleum and fossil fuel supplies that exist, their spatial transportation and their physical and biological storage.

The economic system is a computing mechanism for selecting alternatives and allocating resources through the regulatory processes of taxes, subsidies and other pricing mechanisms.

He identified the social problems at issue as the stresses on society implicit in the excessive concentration of people, specialization, accumulated control of production capacity, job specialization, and centralized decision-making.

"The social stresses are poorly understood from a scientific point of view, but they are increasingly evident in the day-to-day events of modern life," he said.

"It is the responsibility of the engineering and scientific community to identify the answer, where possible, the purely scientific system - theory questions raised.

"Engineers and scientists also have responsibility, in those situations intrinsically involving collective societal judgments, to provide a sound characterization of those alternatives or options open to society, so that an informed judgment may be made in terms of ecosystem management."

Koenig defined ecosystem as the whole relationship of man with his natural environment.

## MSU and school districts combine efforts

MSU and 10 school districts will begin a unique cooperative effort next term to help solve the problems of "middle city" schools in Michigan.

The MSU Board of Trustees recently approved the appointment of Dr. C. Robert Muth as professor and assistant to the dean of education for special programs. At the same time, the Michigan Middle Cities Education Association appointed him its executive director. He will work half - time for MSU and half - time at the University for the association.

Under the cooperative agreement, the middle cities school districts will be available to the University as laboratories for research and development of programs.

According to Dr. Muth, he formed the association six years ago to gain the Michigan Legislature's awareness of the educational problems which core cities other than Detroit are facing. The school districts in these cities serve a substantial percentage of the children of low - income families, particularly blacks, he says.

Two months ago the association became a nonprofit corporation. Its members are the school districts of Ann Arbor, Battle Creek, Bay City, Benton Harbor, Grand Rapids, Jackson, Kalamazoo, Lansing, Muskegon and Saginaw.

Six other districts have been invited to join: Flint, Inkster, Muskegon Heights, Oak Park, Pontiac and Ypsilanti.

"We feel there is an increasing need for more cooperative effort," Dr. Muth says. "We're all running on the same track separately, but together we probably would garner one of the most effective research staffs."

Dr. Muth foresees the association's staff working in such areas as developing accountability models for each school district which are required by the state.

Dr. T. Clinton Cobb, assistant to the dean of education at MSU, says, "The

association is important to the College of Education because it is concerned about bringing about an integration of research and continuing education with respect to these school districts."

Dr. Muth says he believes the affiliation between MSU and the Michigan Middle Cities Education Association is the only one of its kind in the country.

Dr. Muth, 52, is currently deputy school superintendent in Grand Rapids. He joined the school system in 1953 as assistant superintendent for business affairs. He begins his new duties at MSU after Jan. 1.

## Christmas concert to be presented

It wouldn't be Christmas at MSU without the traditional Christmas concert by the University Chorus and Orchestra conducted by Gomer Jones.

For the past 23 Christmas seasons, Jones has presented a major choral work appropriate for the season and he has led the audience and chorus in the singing of traditional carols.

Sunday (Dec. 2) at 4 p.m. in the University Auditorium, Jones will again lead the nearly 400 - member chorus and orchestra in the "Gloria in Excelsis" from Bach's "B Minor Mass." This "work within a work" contains four choral and four solo movements. Each solo movement features an instrumental as well as vocal solo.

The MSU undergraduate and graduate music students who will be heard as soloists include soprano Deborah Bussineau, mezzo soprano Cora Enman, contralto Linda Griswold, tenor Carl Saloga and bass Edwin Challacombe.

The instrumental soloists will be Michael Jacobassi, violin; Leslie Frink, flute; Greg Steinke, oboe d'amore, and Barbara Mette, French horn. Harpsichord soloist will be David Renner, assistant professor of music.

The oboe d'amore which Steinke will play is a very special instrument, since it was used extensively for only 75 years during the 18th century. It is pitched between the normal oboe and the modern English horn.

In addition to the "Gloria," the Chorus will also present four traditional French carols.

Over the years, Jones has left his imprint on the concerts. He chats informally with his audience, commenting not only about the carols but about how commercial Christmas has become.

"I take Christmas as a Christian feast and I endeavor to conduct concerts so that people will feel that," he says.

He adds that the season should not be the "merchants jamboree" that it has become. But, he says, that is "just a reflection of our materialistic age."

Past concerts have featured works composed by Jones such as "The Divine Mystery," a Christmas Cantata and his arrangements of Welsh carols.

A native of Cardiff, Wales, he holds the doctor of music degree from the University of Wales.

Sunday's concert is open to the public without charge.



More than 500 seniors and graduate students who will receive degrees at Saturday's Commencement attended the Senior Reception at Cowles House Tuesday evening. The traditional reception was discontinued in 1970 because of a lack of student interest, but was resumed this fall. Receiving congratulations from President Wharton are graduating seniors David Messing and Patricia Letosky while Mrs. Richard Sullivan, wife of the Dean of the College of Arts and Letters, looks on.

—Photo by Bill Mitcham

# ... 1972-73 reviewed, 73-74 forecasted

(concluded from page 1)

professors and \$17,000 for full professors. Cantlon said "this recommendation was endorsed by the administration, but was not approved by the Board of Trustees. These figures are, however, being used as a guide for new appointments."

The FAFCC recommended a \$350 cost-of-living increase for any faculty member earning \$10,000 or more. The administration set the minimum increase at \$300, Cantlon said.

The FAFCC recommended that 20 percent of the amount available for merit increases be used by the Provost to fund promotions and for selective allocations at the college level.

Cantlon said he accepted this recommendation in principle but was unable to implement it in 1972. "Comparative data from the Big Ten institutions will provide a basis for developing selective allocations in 1973. If a standard pattern of promotion increases can be established, they may be funded centrally in 1973," he said.

In its studies last year, the FAFCC used University salary data. Available for the first time this year, is faculty compensation data from the other Big Ten universities.

This data is available to the administration and the FAFCC. Williams said this data will prove helpful in determining the committee's recommendations for the 1973-74 budget in comparing MSU with the other institutions on a department to department basis.

Also concerning merit increases, the FAFCC last year recommended that an additional 20 percent of the amount available for merit increases be used by the deans for selected allocations at the department level.

According to Cantlon, each dean was given this option in 1972, "but again the availability of Big Ten comparison data will make the option more meaningful in 1973."

Additionally, the FAFCC recommended a formula for the distribution of 60 percent merit increase funds to colleges and departments. "We did not accept this formula since we saw as many problems with it as with the pro rata formula we have used in the past; e.g., it did not make adequate provision for the use of grant funds in the salary increase operation," Cantlon said.

"We are not opposed to seeking new approaches in the distribution of salary increase funds, he added, and we hope we can continue to work with the FAFCC in the development of a plan which is workable and mutually satisfactory."

Williams said that if the administration overlooks the recommendations again this year, the faculty will seek a change in the present governance structure."

"The committee's efforts are meaningless if they are ignored," he added.

"Although the FAFCC serves as advisory to the administration," he said, "the committee is responsible in the decision-making process as charged by the Bylaws for Academic Governance."

Williams said the faculty supported the present academic governance system when collective bargaining was voted down in October.

The collective bargaining election had some impact on the FAFCC. According to Williams, the committee has met with representatives of the American Association of University Professors (AAUP), the MSU Faculty Associates (MSUFA) and the Committee of Concerned Faculty to provide input

into the FAFCC. The AAUP and the MSUFA challenged each other in the election to become the faculty's bargaining agent. The Committee of Concerned Faculty opposed collective bargaining. The faculty approved "no agent."

"We welcome these groups to express their concerns and interests in our studies."

Williams said that the groups and the FAFCC are mutually agreed upon such items as seeking a system of base salary levels, cost of living adjustments, marketplace pricing and merit rewards.

In addition to the Big Ten data, the FAFCC is using University faculty salary data in its current studies. This data shows the high, low and median salaries and ranks for each unit and department of each college. Additionally, the data shows the

number of full-time faculty in each rank with each position equated on a ten-month basis, and the number of male and female faculty members.

Although Williams said it is premature to suggest what the committee's recommendations will be this year, the FAFCC is working towards closing the gaps between the high and low base salaries, realizing the changes in the marketplace and, most importantly, "establishing a defensible basic compensation system program for the campus community."

Another area the committee is investigating, according to Williams, is salary and rank. At times when money was scarce, the administration permitted departments to promote professors in rank without salary increases.

"If a professor is not worthy of a salary increase, he is not worthy of an increase in rank," Williams said.

## MSU Positions Available

**IMPORTANT:** Clerical - Technical applicants should contact the Employment Office at 353 - 4334 by December 5, 1972 and refer to the vacancy by the position number. Instructional staff applicants should contact the departments noted.

### FACULTY

Asst. or Assoc. Prof., James Madison College (Ph.D. in Sociology) Specialist in social stratification and collective behavior with main emphasis in urban, ethnic and minority group studies. (Very advanced ABDs will be considered.)

Robert F. Banks, Dean, James Madison College.

### HEALTH - PROFESSIONS

85. Licensed Practical Nurse - Graduate of an approved school of practical nursing. Current registration with the Michigan Board of Nursing. Well groomed, good physical and mental health. Six months to one year of

general hospital experience desirable. Active member of the Practical Nurse Association desirable. Ability to work flexible shift. \$6,182 - 7,183.

### CLERICAL - TECHNICAL

86. Senior Departmental Secretary VII - Strong secretarial skills (shorthand and typing); supervisory experience and ability; skill and tact in dealing with public. Good judgment a must. \$6,660 - 8,272.

Departmental Secretary V (4 vacancies)  
Senior Clerk IV (5 vacancies)  
Clerk Stenographer III (1 vacancy)  
Clerk - Typist II (4 vacancies)  
\$6,267 - 7,389  
\$5,735 - 6,926  
\$5,511 - 6,562  
\$5,440 - 6,422

MICHIGAN STATE UNIVERSITY IS AN EQUAL OPPORTUNITY EMPLOYER

**NORMAN ABELES** and **WILLIAM J. MUELLER**, professors at the Counseling Center and in Psychology, have been elected to Fellow status in the American Psychological Association and in Division 17, Counseling Psychology. Abeles has also been appointed to the Midwest Regional Board of the American Board of Professional Psychology and served as a delegate to the American Association of State Psychology Boards at his recent meeting in Honolulu. Mueller has been elected to a three-year term as a Trustee of the American Board of Professional Psychology, Inc.

County extension directors, **JOHN BAKER** (Gratiot), **LOUIE WEBB** (Isabella), **JAMES CROSBY** (Montcalm), and **Montcalm-Isabella** dairy agent **KEITH SOWERBY** were singled out for special praise at the recent MSU Cooperative Extension Service's Annual Conference held on campus. These men were responsible for holding a number of educational meetings in the area and spearheading the fund raising efforts which brought in more than \$60,000 to support a weather modification project.

**GRAYDON L. BLANK**, professor of animal husbandry; **JOHN C. DONETH**, professor of agricultural economics; and **RICHARD G. PFISTER**, professor of agricultural engineering, recently received the "Outstanding Specialist Award" from the MSU Extension Specialists Association.

**LYMAN BODMAN**, professor of violin and viola in the Music Department, recently performed and directed a string festival at slippery Rock College, in Pennsylvania.

**JERE T. HUTCHESON**, assistant professor of music, performed a composition entitled "About" at the

35th International Festival of Contemporary Music held in Venice recently. Hutcheson is the author of "Musical Form and Analysis," Allyn and Bacon, 1972.

**IRMA JOHNSON**, **RUTH BEALE** and **JANICE KUKAR**, extension home economists, were honored for outstanding work in family living programs when they received the State Distinguished Service Award at the recent annual conference of the Cooperative Extension Service.

**KAY LOCKRIDGE**, instructor of journalism, was selected as a delegate to the annual national convention of Women in Communications (formerly Theta Sigma Phi) held recently in Houston, Tex. She is also a delegate for the upcoming Sigma Delta Chi national convention to be held in Dallas, Tex. Besides being a delegate for the Lansing chapters of these two professional societies in journalism and communications, she is also a representative of the School of Journalism.

**THOMAS J. MANETSCH**, associate professor of electrical engineering and systems science, was recently cited for outstanding services to the Republic of Korea as a member of MSU's Korean Agricultural Sector Analysis and Simulation Project. Manetsch received the commendation from Boy Hyun Kim, Korean Minister of Agriculture and Forestry, after a year of work aimed at developing new programs and strategies for rural development in South Korea.

## Achievements

**HELEN B. MEACH**, extension home economist, has won the Distinguished Service Award from the National Association of Extension Home Economists at their recent meeting in Denver, Colo.

**OSCAR TOSI**, professor of audiology and speech sciences, has been selected a member of the International Collegium of Experimental Phonology. He is one of only a few U.S. specialists so honored.

**ROBERT C. VICTOR**, astronomer in Abrams Planetarium, has won the 1972 award for distinguished achievement from the Educational Press Association of America. He won the award for his "Sky Calendar" series appearing in the journal, Science and Children.

**JOHN E. NELLOR**, associate vice president for research development, was selected as part of a 10-man United States Advisory Council for the establishment of a new university in the city of Titograd, Yugoslavia.

**LOUIS POTTER**, professor of cello and chamber music, was Master Cellist for the International String Conference of the American String Teachers Association at West Chester, Pa, recently.

**H. OWEN REED**, professor of music, has been commissioned to write a composition for band for the McKeesport (Pennsylvania) Area High School Band. The composition will be premiered in the Spring of 1973.

**WILLIAM F. RINTELMANN**, professor of audiology and speech sciences, recently was elected an

associate fellow of the American Academy of Ophthalmology and Otolaryngology.

**HERBERT C. RUDMAN**, professor of administration and higher education, has been named outstanding educator of the year by the Michigan Association of Elementary School Principals. The association, which has approximately 2,400 members, met recently in Traverse City.

**TRUMAN SURBROOK**, agricultural engineer, was recently named "Engineer of the Year" by the Michigan section of the American Society of Agricultural Engineers at its annual meeting.

**DOZIER W. THORNTON**, associate professor of psychology, has been elected chairman of the Accreditation-Committee of the American Psychological Association for 1973.

**OSCAR TOSI**, professor of audiology and speech sciences, has been recently appointed as a member of the International Collegium of Experimental Phonology. This prestigious Collegium elects only three members per country. Tosi was unanimously elected at the Collegium's meeting in Lausanne, Switzerland.

**DONALD A. YATES**, professor of Spanish American Literature, participated in a recent symposium dealing with the Argentine gaucho epic, "Martin Fierro," at the Catholic University of America in Washington, D.C. Yates also attended the Midwest Modern Language Association meeting in St. Louis where he was elected chairman of the Latin American literature section for the 1973 meeting in Chicago. Current president of the International Institute of Latin American Literature, Yates will preside at the Institute's 16th Congress, to be held on campus in August of 1973.

# Health sciences must account for most

Those who receive the most must also account for the most.

While accountability is becoming an increasingly important theme at all levels of education, the emphasis seems to be strongest in the health sciences, one of the few areas of higher education to receive expansion funding in recent years.

The message came through clearly at the recent 83rd annual meeting of the Association of American Medical Colleges in Miami.

Speaker after speaker — including Sen. Edward M. Kennedy and Rep. Paul

Rogers of Florida as well as Clark Kerr and medical school leaders — said the public is insisting that its dollars be spent for what it wants and not necessarily for what educators want to keep on doing.

They left little doubt that federal and state governments will be developing more “carrot” — and possibly some “stick” — programs to direct medical schools toward increasingly specific kinds of goals calculated to be in the public’s best interests.

Michigan and Michigan State University were mentioned by at least two speakers and in numerous informal discussions. Most comments stemmed from a recent series of four articles in *Science* magazine describing the influence of the Michigan Legislature on the growth of the College of Human Medicine and the College of Osteopathic Medicine.

In general, the comments were favorable. Many participants noted that the events described in the *Science* series are about to be experienced by universities in other states, thus putting MSU in a pioneer position.

The theme of the meeting “From Medical School to Academic Health Center,” set the stage for the comments. The theme, said Russell A. Nelson, Johns Hopkins Hospital President and AAMC chairman, “recognizes the rapid revolution taking place in medical education’s relationship to the education of other health professionals, to the delivery of health care, and to the entire American health system.”

Nelson noted that federally sponsored research has revolutionized the control of disease over the past generation.

“Now we are in a new period,” he added, “one which promises to be just as revolutionary as the last and out of which a new health system will emerge.”

In this new period, according to Clark Kerr, chairman of the Carnegie Commission on Higher Education, the health sciences are “the most important single part of all higher education in the United States.”

“No longer,” he explained, “is the medical school a place set apart, tied more to its profession than to its university — with the president seldom needing to see the medical dean and delighted over that small indulgence.”

The former University of California president included the following reasons for his thesis:



\*A larger proportion of the national income is going for education and health.

\*Health care is the only major area with a deficit in skilled personnel.

\*“The health sciences draw together more strands of scientific endeavor than any other segment of higher education.”

\*Health science services can reach most — even all — of the people and can be higher education’s best ambassador to the public.

Kerr’s thoughts about the status of health sciences education within higher education seemed to be taken for granted by other speakers.

Senator Kennedy called for continued federal support of biomedical research and “a continuing, stable level of financial support” for academic health centers “so that they can devote their full energies to training physicians and developing needed reforms of medical education.”

Senator Kennedy also said that a severe shortage of doctors exists and is exacerbated by overemphasis on specialty training in medical centers as opposed to family practice training in community settings.

He predicted passage of a comprehensive national health insurance program and said it would be more than a financing mechanism.

“It is a lever with which to reform all aspects of the health care industry, including medical education. And it is a lever which will be used.”

Representative Rogers, Senator Kennedy’s rival for Congressional leadership in the area of health sciences, also called attention to shortages of health manpower and the need for continuing change to meet societal demands.

“Discoveries that scientists make in their laboratories,” he said, “must be converted more quickly into treatment for the suffering.

“... I think the message of the new education is that the Congress is looking more and more to medical schools to make contributions far beyond simply raising the numbers of M.D. graduates.”

Among those reacting to the *Science* series about MSU was Philip R. Lee, who was formerly assistant secretary for health in President Johnson’s administration. Lee later became chancellor of the University of California San Francisco Campus, but recently resigned to become a professor of social medicine there. Lee said:

“Federal programs often establish policies and provide incentives that the health professional school finds difficult or impossible to decline.

“Seldom, however, has the Congress or the executive branch of the federal government attempted to exercise internal control over the institution and its operations.

“A different pattern may be emerging at the state level. The most recent experiences in Michigan, where the Legislature has specified the number of student contact hours required of the university faculty and appropriated funds on a line-item basis, is a cause for grave concern.

“Several issues of autonomy, independence and governance are raised by these kinds of actions. The Legislature’s interest appears to be in accountability for the use of public funds. These demands will increase, and if we do not provide adequate evidence of stewardship, legislatures will develop the measures to be applied.”

Similar concern, but from a different viewpoint was expressed by Merlin K. DuVal, present assistant secretary for health and scientific affairs and former dean of the medical school at the University of Arizona.

DuVal said the public has invested large sums of money in medical education and is now beginning to ask questions such as:

\*Why does it take so long to train a doctor?

\*How much does it cost exclusive of research costs?

\*Must medical schools build such big research empires in order to train good doctors?

\*Why do we train so many specialists?

“What we ask from within government is that you display your leadership — not just superb administration,” DuVal declared.

“We ask for reasonable consistency between the goals you select for yourselves, and those that are being selected by the society that pays your bills.

“And if change is upon us, we ask that you accommodate — appropriately — but without sacrificing the institutional integrity and stability that are the hallmarks of a free and productive society.”

—CHARLES DOWNS

## AAUP resolves faculty rights cases

More cases involving the rights of individual faculty members were successfully resolved last year through the mediation efforts of The American Association of University Professors than in any previous year of the AAUP’s history.

From May 1971 through April 1972, when the last reporting year ended, a total of 93 cases were successfully resolved. During that same period a year earlier 69 cases were resolved.

During the first half of the current reporting year beginning in May, a total of 74 cases have been successfully resolved, only 19 below the total for the whole of last year.

The announcement of the sharp increase in successfully resolved cases was made by Walter Adams, President of the Association, and Distinguished University Professor and Professor of Economics at MSU.

In making the announcement, President Adams praised the effectiveness of the AAUP’s staff work in attaining these resolutions and predicted that the number of successfully resolved cases for this full year would reach an all-time high for the Association.

“Over the years the work of the AAUP’s Committee A on Academic Freedom and Tenure has made this Association the conscience of the academic profession. Its prosecution of individual cases has been a powerful

force in defense of a bill of rights for college and university faculty members.

“Our central purpose through all our work has been, and will continue to be, to gain recognition by college and university administrations of AAUP principles of academic freedom and tenure, faculty participation in university government, and shared authority in the allocation of resources.”

The day-to-day work of Committee A is conducted by the AAUP’s Washington office staff and the Association’s two regional offices in New York City and San Francisco, under the direction of the general secretary. Inquiries and complaints brought to the attention of the association are examined individually by members of the staff, and the most serious of those which cannot be resolved through consultation with the parties become cases for formal investigation.

A case as defined by the AAUP raises issues under association principles concerning academic freedom, tenure, and due process, and may involve any number of individuals at an institution. In one of the cases successfully resolved this year, a total of 281 faculty members were involved.

With more than 90,000 members, the AAUP is the nation’s largest professional association of college and university teachers, academic librarians and counselors.

## Families needed for Yule hosts

Add a bit of joy to your Christmas... and to somebody else’s!

University area families who would like to host a student from a foreign land in their home on Christmas Eve and Christmas Day are being sought by the Host Family Committee of MSU’s 20th annual Adventure in World Understanding.

More than 60 students from lands as distant and as different as Malaysia, Kenya and Thailand who attend universities all across America will come to Michigan State University Dec. 22 to participate in the 10-day “Adventure.”

The future leaders of developing nations will live and study together in Kellogg Center. They will tour American industry and institutions and discuss together how what they see could be adapted to their nations.

They will hear American professors and leaders discuss the volunteerism, citizen participation and organizations which make things happen in a democracy.

University families who wish to share their Christmas and their homes with a visiting youth can help him to get an even better understanding of his host land, its ideals and its institutions.

Farm and nonfarm rural families are sought as well as city families.

Nothing special in the way of entertainment or accommodations is expected... just the willingness to invite a youth from far away to join in the family observance.

Contact Mrs. Arlyn Donovan, telephone 332-0457; Mrs. Theodore Ryan, telephone 485-2125, or Larry Ewing, Michigan Farm Bureau, telephone 485-8121.

## Computer use wears stairs

The marbled stairs at the MSU Computer Center are wearing out at a faster rate than the centuries-old steps of Rome and other cities of antiquity.

Besides the concave lines showing up in the stairs, the steel edgings are worn in places to a width of about a half - inch from the wear and tear of student feet.

Almost 10 per cent of the total 41,000 students enrolled on campus this fall are in courses requiring some use of the computer.

A headcount conducted by Donald F. Spyke, business manager of the center, showed that professors reported a total of 3,956 students attending computer-use classes in 52 courses.

The count can be extended in up - trips and down - trips about three times a week per student, to about a quarter million traverses of the stairways for class purposes only in the fall.

The figures exclude the faculty and students who are engaged in such research projects as are aided by computer use, or any visitors, or custodial personnel, or anybody who forgot something and had to go back in and then out again.

Besides receiving training in fundamental computer - use, the students' class curricula involve chemical reaction engineering, geotechnical engineering, numerical analysis, solving of mathematical problems in civil engineering, highway planning, hydraulics, and geometry problems in elementary surveying.

More classes involve other kinds of engineering courses, which is appropriate since the computer center is administered by the College of Engineering.

Other class uses of the computer involve macroeconomics, accounting and financing, analysis of research data in human ecology and in social science, a political science examination of voter distribution and party ideology, packaging problems, separate problems in geography and physics, and organization of class programming assignments.

The headcount, of course, isn't accurate because, as the computer professors keep saying, MSU has a lot of computer buffs who spend their nonclass time there just because they like computers.

## Projects focused

"Outposts of Assistance," a new motion picture that describes the activities of three MSU overseas projects, is now available for loan to campus groups.

The 29-minute, color film focuses on international projects in Turkey, Indonesia (Java) and Korea. It was produced, written and narrated by Craig Halverson, public affairs director for WKAR-TV. It was filmed by cinematographer Jerry Carr. Both men visited the MSU projects with support from the Ford Foundation, and the Talbert and Leota Abrams Foundation.

Persons interested in borrowing the film can contact Miller Perry, Center for International Programs, 355-2351.



Geraldine Laetz (left) and Joy Adcock: University's interior designers.

## Decorative touches added by twosome

After visiting the University Club, the Gold Room in the Union, or a lounge in one of the residence halls, did you ever wonder who is responsible for the interior design?

There are two interior designers on campus who handle a variety of requests from decorating a new building to helping redesign a milk cooler in a dorm cafeteria.

Joy Adcock, head interior designer, and Geraldine Laetz, assistant interior designer, believe that a different approach must be taken with institutional design than with residential design.

Resources for non - residential furniture, called "contract," are different from those used in the home. Manufacturers of contract furnishings offer a sturdier, heavier construction with emphasis on designs that are more compatible with institutional and business settings.

Mrs. Adcock explained that the interior design department works closely with other residence hall operations such as the upholstery and drapery shops, who do all of the reupholstery and drapery fabrication on campus.

With the rash of dormitory building 15 years ago, the residence halls organized an interior design department to specify furnishings for the new buildings. Since then the design department has grown to extend its services to include all University buildings, Mrs. Adcock said.

"We work on all new buildings and renovate older buildings - sometimes working with the University architect or the engineering and physical plant departments," she continued.

"It is an overwhelming challenge to work on the University's 20 dormitories, redesigning main dining rooms, smaller special dining rooms, managers' and administrative personnel offices, recreation rooms and snack shops. Working with the architects and the House Committee on the new University Club was one of our most interesting assignments," Mrs. Adcock said.

Mrs. Laetz explained that they

worked on the new Life Sciences building from beginning to end. They have also worked on many rooms in the Union including the renovation of the grill and the cafeteria. Mrs. Laetz also mentioned that the personnel offices, Natural Resources Building, new library additions, Eustace Hall, and all of the new medical offices in Fee Hall, are some of the other areas that have been designed by the department.

"Because we are institutional as opposed to residential, our guidelines are set differently," she said. We must choose fabric and furnishings that meet the fire codes, also keeping in mind selections that will offer maximum wearability and easy maintenance.

"We work closely with representatives from all outside companies, keeping up on all the latest designs; our catalogues and samples are constantly changing."

Once a design has been specified and approved, it is sent to purchasing and

the purchasing department sends it out for bid, Mrs. Laetz said.

The designers further explained that because of vandalism and destruction, they must look at designing from a different view. A question to be kept in mind is: "How easily can it be destroyed?" Ceiling lights replace table lamps. Less art work is used. Heavy, hard - to - lift furniture replaces lighter models.

Mrs. Adcock concluded with, "It's good that people know where to go for coordination. The interior design office handles requests from major to minor things."

So if you're wondering what color to paint your loading dock to match the building, or what table cloth will accentuate your cafeteria, or what carpeting would look best and also help sound - proof a conference room, the people to see are located in 250 Akers Hall.

— JANICE HAYES

## On other campuses

**CORNELCARD.** Cornell students may now participate in a charge card program, similar to national bank credit cards, for the purchase of books, athletic tickets, meals and other items. The cards, called "Cornellcard," may be used at participating sales units on the Cornell campus.

\*\*\*

**CHALLENGE TO RESTORE TRUST.** Indiana University has accepted the challenge of an alumnus, Nelson P. Poynter, chairman of the board of The St. Petersburg (Fla.) Times and the president of the Congressional Quarterly, to help restore the nation's trust in its institutions, public and private. Through the Poynter Fund, the publisher has awarded \$500,000 to I.U. over a five-year period for a pilot project aimed at bridging the credibility gap between the citizenry and the institutions of American democracy. If successful, it is hoped the process can be applied on other campuses and eventually reach down to the grade school level.

\*\*\*

**HEALTH CARE IMPROVEMENTS.** Computers in Purdue University's Schools of Engineering are being used in a new cooperative program of research, development and teaching to improve Indiana Health Care. Nine engineering graduate students and four medical students are the first participants in the program, which links Purdue, the Regenstrief Institute for Health Care, and the Indiana University School of Medicine at IUPUI. Using a new time-sharing computer system at Purdue's School of Electrical Engineering and eight computer terminals at Indianapolis, data is sent and received on such medical functions as patient interviews, physician and patient scheduling, and processing patient data from a multiphasic screening clinic.

## SEMINARS

### THURSDAY, NOVEMBER 30, 1972

Neoplasms and degenerative lesions in aging gerbils. Stephen Rowe, Unit for Laboratory Animal Medicine, U. of Michigan Medical School, 4 p.m., 104 Giltner. **Center for Laboratory Animal Resources.**

### MONDAY, DECEMBER 4, 1972

Thermal conductivity of the cat (*Felis domesticus*) foot pad epidermis: changes effected by controlled hydration of the stratum corneum. Kenneth Robert Holmes, 9 a.m., 216 Giltner. **Physiology.**

### WEDNESDAY, DECEMBER 6, 1972

Alternative solutions for urban education—competency based education. L. Eudora Pettigrew, 1:30 p.m., 2W Owen. **Center for Urban Affairs.**

### THURSDAY, DECEMBER 7, 1972

Breeding for resistance against apple scab fungi. E. Williams, 4:10 p.m., 168 Plant Biology. **Botany and Plant Pathology.**

## CONFERENCES

Nov. 30 Michigan Fertilizer Conference  
Nov. 30 Income Tax School  
Dec. 1 Individually Guided Education  
Dec. 1-2 Commission of College Geography Regional Workshop  
Dec. 1-15 Michigan Governmental Bookkeeping  
Dec. 2 Student Veteran Training Workshop  
Dec. 2-3 Michigan Constables Assn. Conference  
Dec. 3-4 Nat'l Educational Radio & Regional Drive-In  
Dec. 3-8 Employment of Disabled Veterans Institute  
Dec. 3-15 Management & Communications II U.I.  
Dec. 4 Labor & Manpower  
Dec. 4-8 Breathalyzer  
Dec. 4-8 Institute for Water Utility Management  
Dec. 6-7 Land Disposal of Wastewater  
Dec. 6-7 National Apple Diseases Conference  
Dec. 7-8 Asphalt Paving Workshop  
Dec. 8-9 Horse Judging Roundup

Dec. 10-16 Mortgage Banker's Case Study Seminar  
Dec. 11-12 Advanced Governmental Accounting Program for Enterprise & Special Assessment Funds  
Dec. 11-15 Postgraduate Workshop on Biomechanics  
Dec. 11-15 Fire Insurance Workshop  
Dec. 12 Clinical Hematology II, Vet. Clinic  
Dec. 13 Alcoholism & Drug Abuse Seminar  
Dec. 13-14 Small Animal Ophthalmology, Vet. Clinic  
Dec. 22-31 Adventure in World Understanding  
Jan. 2-11 Basic Fire & Casualty Ins. Inst.  
Jan. 3-5 Rural & Suburban Sewage Disposal Conf.  
Jan. 4 College of Osteopathic Medicine Precep Program II, 1973

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.

## BULLETINS

**CREATIVE WRITERS** The Creative Writers of Faculty Folk will meet at the home of Jackie Stalker, 208 Milford, East Lansing, at 1 p.m. Wednesday, Dec. 6. Readers will be Jackie Stalker and Emily Johnson.

**LAST BULLETIN** This is the last issue of the MSU News-Bulletin for fall term. Publication will be resumed Thursday, Jan. 4. Information for inclusion in the Jan. 4 Calendar of Events must be received by Patricia Grauer, 109 Agriculture Hall, 3-8819, by noon Tuesday, Jan. 2.

**EXTENSION WOMEN** The Extension Women's Club Christmas reception will be held from 3 to 5 p.m. Sunday, Dec. 10, at the home of Katherine and Merle Esmay, 1272 Scott Dr. Husbands are invited. For information, contact Mrs. Richard Bell, 332-0096 or Mrs. John Doneth, 332-1734.

**RETIREES CLUB** The MSU Retirees Club will meet at 1 p.m. Monday, Dec. 11, in the Club Room on the third floor of the Union Bldg. Gary Posner, director of Employee Compensation and Benefits will speak on "Update in Benefits." The usual optional luncheon will be held at noon in Old College Hall in back of the Union Grill.

**FLEA MARKET** Wares of 75 campus collectors and craftsmen will be sold on the second floor of the Union from 1 to 4 p.m. Sunday, Dec. 3, at the Union Board's third annual Christmas flea market. Items such as wooden toys, ceramics, decoupage, pottery, jewelry, enamels, macrame, and prints will be included.

**POTTERY SALE** MSU art students and the Greater Lansing Potters Guild will hold their annual Christmas sale Dec. 8-9 in the Union concourse. Casseroles, bird feeders, pitchers, vases, beer mugs and stoneware are among the items offered. The sale will be held from 10 a.m. to 6 p.m. Friday, and from 10 a.m. to 5 p.m. Saturday.

**BLACK WOMEN** The MSU Black Women's Association will hold a formal dinner-dance at the American Legion Post, Valley Court, East Lansing, on Saturday, Dec. 16. Dinner will be served at 7:45 p.m., and entertainment will be provided by the Les Rout combo. Proceeds from the \$10 donation will go to the Greater Lansing Saturday Free School. For information, contact Mrs. Louise Taylor, 485-5964.

**EARLY REGISTRATION** Readmitted students and students who participated in early enrollment for winter term are eligible to complete registration early, including payment of fees. Those students who have a continuing University scholarship and or loan will receive credit when they pay fees at that time. Early registration will be held Monday through Friday, Dec. 4-8, in the Men's IM Bldg. 8 to 11:30 a.m. and 1 to 4:30 p.m. daily. Students may register at their convenience or may obtain Early Registration Reservation Cards available in Demonstration Hall during the early registration period. There will be a special drop add period during evening registration Tuesday, January 2. Details of early registration and the special drop add period are listed on Page 9 of the 1973 Winter Schedule of Courses and Academic Handbook.

**HALL ASSIGNMENT** The Residence Hall Assignment Office, 190W Holmes, will be open from 10 a.m. to 5 p.m. Monday, Jan. 1. Students who do not know their assigned hall or want to make application should be directed to this office or call 5-7460.

**INTERIM HOUSING** Between-term housing for foreign students new to the university and students living in residence halls fall term will be available at East Holmes. Students may check in starting at 9 a.m. Saturday, Dec. 9, at the East Holmes reception desk. Winter term halls will open at 11 a.m., Monday, Jan. 1.

**OBSERVATORY** The MSU Observatory will be open to the public from 8 to 10 p.m. Saturday, Dec. 16. Weather permitting, the 24-inch reflecting telescope will be used for observing current celestial objects. Children under 13 should be accompanied by at least one adult for each three children.

**CHEESE SALE** The MSU Dairy Club is sponsoring its annual Christmas cheese sale in 122 Anthony through Dec. 8. The cheese, packaged in gift boxes, is available in four selections ranging from \$3 to \$6.50. The cheese will be sold from 8 a.m. to 5 p.m. Mondays through Fridays, and phone and mail orders will be accepted by calling 3-5989 or stopping by 122 Anthony. The supply is limited.

**WOMEN'S IM HOURS** During winter term, the Women's IM Building will be open from 6 to 10 p.m. Mondays through Fridays, noon to 8 p.m. Saturdays, and 1 to 8 p.m. Sundays. Activities on Saturdays and Sundays are co-rec. Pool hours for winter term will be 11:30 a.m. to 12:45 p.m. and 5 to 9:50 p.m. Mondays through Thursdays, 11:30 a.m. to 2:30 p.m. and 5 to 9:50 p.m. Fridays, noon to 7:50 p.m. Saturdays, and 1 to 7:50 p.m. Sundays.

**FACULTY SEMINAR** Applications are due for the Winter Faculty Seminar. Seminars will include "Persistence and Change in Political Structures," Frank A. Pinner, 7:30 to 9:30 p.m. Mondays, starting Jan. 8, and "Changing Conceptions of Mental Disorder," Al Rabin, 7:30 to 9:30 p.m. Wednesdays, starting Jan. 10. Applicants are requested to use the form distributed with the earlier invitation or to call Mrs. Japinga, 5-7583.

**COMPUTER COURSE** The Computer Institute for Social Science Research is offering a no-cost, non-credit course in data processing in social science research during winter term. The course, which begins Thursday, Jan. 4 and requires no formal registration, will be held from 11:30 a.m. to 12:20 p.m. Tuesdays and Thursdays in 313 Computer Center. Questions concerning the course may be directed to the Computer Institute, 3-2040.

**WRITING COURSE** An advanced writing course designed specifically for doctoral candidates will be offered winter term by the School for Advanced Graduate Studies. The course, which carries no credit and requires no fee, will be taught by Herman Struck. Beginning Jan. 18, classes will meet each Thursday from 7 to 9 p.m. for six weeks. Interested students may obtain application forms from Mrs. Wickham in 143 Snyder or by calling 3-3853. The deadline for submitting applications is Jan. 12. For information call 3-0758 or 3-3853.

## 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. Swimming—MSU vs. Eastern Michigan. Men's IM pool.
- 7:30 p.m. Hockey—MSU vs. Michigan Technological University. Ice Arena.
- 8 p.m. "Christmas Star"—A popular sky theatre presentation offering possible explanations for the phenomenon of the Star of the Magi, this program is of interest to adults and children alike. Tickets are available at the door. 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.
- 1 p.m. Women's volleyball—MSU vs. Calvin College. 127 Women's IM Bldg.
- 2:30 p.m. "Christmas Star" (see Dec. 1). Abrams Planetarium.
- 3 p.m. Baccalaureate commencement—Elliot L. Richardson, secretary of health, education and welfare, will be the speaker. 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 Dec. 1). Abrams Planetarium.
- 8:15 p.m. Concert—An entirely student-produced Christmas program will be presented by members of the four professional fraternal organizations for music students. The major work will be Vivaldi's "Gloria" with chorus and orchestra. There is no charge for admission. Music Auditorium.

## SUNDAY, DECEMBER 3, 1972

- 2 p.m. Recital—James Hill, pianist and associate professor of English, will perform works by Debussy, Chopin, Rachmaninoff, and Beethoven.
- 4 p.m. "Christmas Star" (see Dec. 1). Abrams Planetarium.
- 4 p.m. Christmas concert—The "Gloria in Excelsis" from Bach's "B Minor Mass" and four unaccompanied French carols will be performed by the MSU Chorus and Orchestra under the direction of Gomer L. Jones. The performance is open to the public without charge. Auditorium.

## TUESDAY, DECEMBER 5, 1972

- 12 p.m. University Club luncheon—A. Babs Fafunwa, visiting professor in the College of Education and dean of education at the University of Ife, Nigeria, will discuss the state of higher education in Africa.
- 8 p.m. International folkdancing—Instruction will be followed by dancing at 9 p.m. 327 M.A.C.

## FRIDAY, DECEMBER 8, 1972

- Fall term ends
- 7:30 p.m. "Farkleberry Magic"—Intended for children from 4 to 12 years of age, this Children's Theatre production is a fantasy-adventure story about a mythical village protected by the magic farkleberry bush. When Greedy and Grump steal the bush, Dinkeldorf and Prof. Schnootle go into action. Fairchild Theatre.
- 8 p.m. "Christmas Star" (see Dec. 1). Abrams Planetarium.

## SATURDAY, DECEMBER 9, 1972

- 10:30 a.m. "Farkleberry Magic" (see Dec. 8). Fairchild Theatre.
- 1:30 p.m. "Farkleberry Magic" (see Dec. 8). Fairchild Theatre.
- 2:30 p.m. "Christmas Star" (see Dec. 1). Abrams Planetarium.
- 8 p.m. "Christmas Star" (see Dec. 1). Abrams Planetarium.

## SUNDAY, DECEMBER 10, 1972

- 1 p.m. "Farkleberry Magic" (see Dec. 8). Fairchild Theatre.
- 3 p.m. "Farkleberry Magic" (see Dec. 8). Fairchild Theatre.
- 4 p.m. "Christmas Star" (see Dec. 1). Abrams Planetarium.

## MONDAY, DECEMBER 11, 1972

- 1:15 p.m. "Farkleberry Magic" (see Dec. 8). Fairchild Theatre.

## TUESDAY, DECEMBER 12, 1972

- 12 p.m. University Club luncheon—N. Lorraine Beebe, former state senator who is now executive director of the Michigan Consumers Council and Governor Milliken's advisor on consumer affairs, will discuss her new job. Club members are encouraged to bring their spouses and make this luncheon a family affair.
- 8 p.m. International folkdancing (see Dec. 5). 327 M.A.C.

## FRIDAY, DECEMBER 15, 1972

- 8 p.m. "Christmas Star" (see Dec. 1). Abrams Planetarium.

## SATURDAY, DECEMBER 16, 1972

- 2:30 p.m. "Christmas Star" (see Dec. 1). Abrams Planetarium.
- 8 p.m. "Christmas Star" (see Dec. 1). Abrams Planetarium.

## SUNDAY, DECEMBER 17, 1972

- 4 p.m. "Christmas Star" (see Dec. 1). Abrams Planetarium.

## TUESDAY, DECEMBER 19, 1972

- 8 p.m. Basketball—MSU vs. Central Michigan University. Jenison Fieldhouse.
- 8 p.m. International folkdancing (see Dec. 5). 327 M.A.C.

## FRIDAY, DECEMBER 22, 1972

- 8 p.m. "Christmas Star" (see Dec. 1). Abrams Planetarium.

## SATURDAY, DECEMBER 23, 1972

- 2:30 p.m. "Christmas Star" (see Dec. 1). Abrams Planetarium.
- 8 p.m. "Christmas Star" (see Dec. 1). Abrams Planetarium.

## SUNDAY, DECEMBER 24, 1972

- 4 p.m. "Christmas Star" (see Dec. 1). Abrams Planetarium.

## FRIDAY, JANUARY 5, 1973

- 7:30 p.m. Gymnastics—MSU vs. Eastern Michigan, Ohio State. IM Sports Arena.
- 7:30 p.m. Hockey—MSU vs. Minnesota. Ice Arena.

## SATURDAY, JANUARY 6, 1973

- 4 p.m. Basketball—MSU vs. Northwestern. Jenison Fieldhouse.
- 7:30 p.m. Hockey—MSU vs. Minnesota. Ice Arenan.
- 8 p.m. World Travel Series—John Strong will explore "Bright Belgium." Auditorium.

## EXHIBITIONS

### Kresge Art Center

North Gallery: Two one-man shows of recent paintings by staff artists Clifton McChesney and Stacy Proffitt.

Entrance Gallery: Silk Screen Prints. An exhibition illustrating the technique and comprised of examples from the permanent collection, from James McConnell's classes and from the Grippi Gallery, New York.

Gallery Hours: Monday through Friday, 9 a.m. to 5 p.m.; Tuesday, 7 to 9 p.m.; Saturday and Sunday, 1 to 4 p.m. These exhibits will be shown through Dec. 17.

### Library

During December the library will display "Winter Greens," an exhibit of plates from herbals, showing winter plants.

### 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.

### Museum

The call of wild geese flying south is reproduced in the Michigan Mammal Hall along with the song of the Kirtland's warbler on the main floor.

*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.*