

# MSU News - Bulletin

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## Twenty-three named for faculty awards

Seventeen faculty members and six graduate assistants have been chosen for top faculty honors: The Distinguished Faculty, Teacher - Scholar and Excellence - in - Teaching Awards.

They will be honored at the 1972 Awards Convocation at 8 p.m. Tuesday, May 23, in Anthony Hall Auditorium.

The Distinguished Faculty Awards for total service to the University go to: C. Merton Babcock, professor of American thought and language; Henry G. Blosser, professor of physics and director of the Cyclotron Laboratory; James T. Bonnen, professor of agricultural economics; Eugene deBenko, professor in the Asian and African Studies Centers and a divisional librarian; Charles J. Gaa, professor of accounting and financial administration.

Also: Jean M. LePere, professor of elementary and special education; Norman B. McCullough, professor of microbiology and public health; Clare M. Musgrove, Berrien County extension director; Paul M. Parker, professor of physics and in Lyman Briggs; Stanley C. Rainer, professor of psychology; and Arnold Williams, professor of English.

The Distinguished Faculty Awards were selected this year by colleges, rather than by an all - University ad hoc selection committee. While the general criterion was total service to the University, the colleges were to develop specific criteria. The awards will be rotated among colleges according to size of the faculty, with larger colleges selecting winners each year.

Teacher - Scholar and Excellence - in - Teaching Awards are for junior faculty and graduate assistants, respectively,

with the emphasis on recognition of outstanding undergraduate teaching.

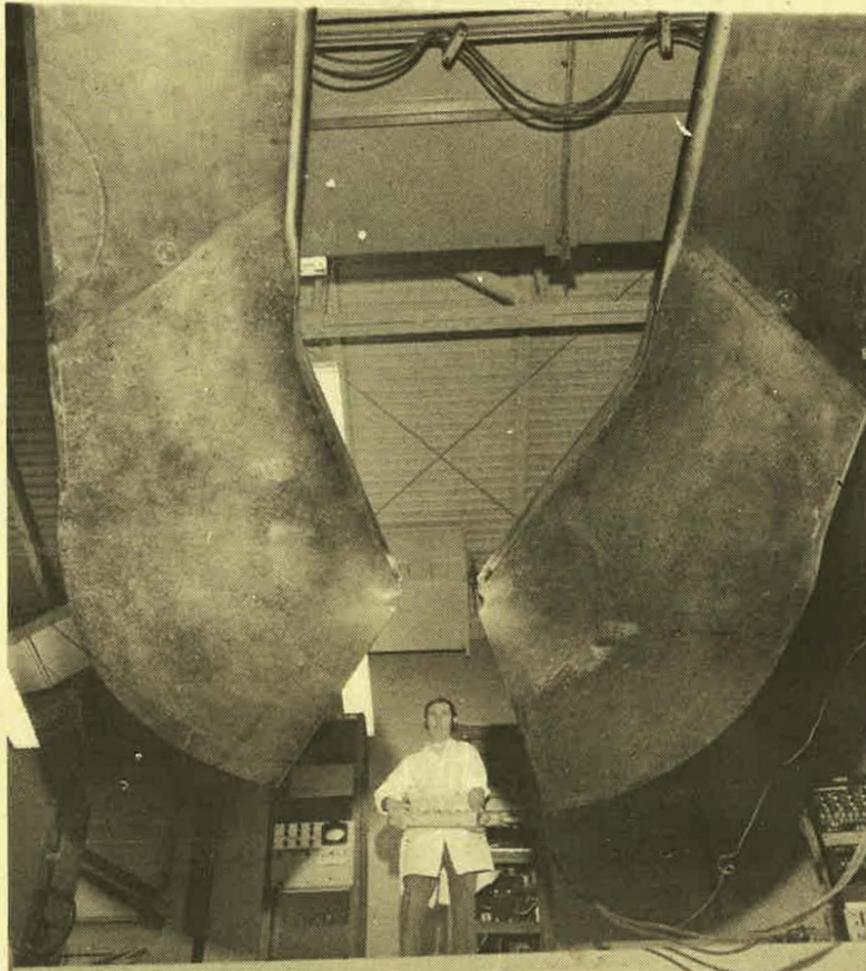
Teacher - Scholar Award winners are: Lonnie Eiland, instructor in natural science; William L. Ewens, assistant professor of sociology; John J. Forsyth, instructor in computer science; Sholmo Libeskind, visiting assistant professor of mathematics; James Schwingamer, assistant professor of physiology; and Mary Zaenglein, assistant professor of social science.

Winners of the Excellence - in - Teaching Awards are: Frederick G. Briscoe, secondary education and curriculum; Sears Eldredge, Justin Morrill College; Patrick A. Logan, entomology; Eugene N. Losey, chemistry; Michael R. McElwee, elementary and special education; and Laura R. Roehler, elementary and special education.

Distinguished Faculty and Teacher - Scholar Award winners will each receive a certificate and check for \$1,000. Excellence - in Teaching Award winners will each receive a certificate and check for \$500.

An informal reception for the award recipients will be held immediately following the awards convocation.

Funds for the awards are from alumni contributions to the Development Fund. Support from the Standard Oil of Indiana Fund goes toward teacher - scholar awards.



-Photo by Bob Brown

### A cyclotron overhaul

It's not exactly a heart transplant, but the heart of MSU's cyclotron is undergoing a refurbishing. Project Engineer Harold P. Hilbert is at the hoist control. The huge copper electrodes surrounding him feed electrical energy into a vortex of accelerating particles. The particles are then extracted and focused into one of the most accurate particle beams in the world. The minor tuneup is the cyclotron's first in seven years of operation.

## Compensation committee urges salary floors for all faculty ranks

The University Faculty Affairs and Faculty Compensation Committee (FAFCC), following its charge in the Bylaws for Academic Governance, reported its proposal on salary recommendations to a closed session of the Elected Faculty Council Tuesday.

The FAFCC is recommending a 1972-73 minimum salary increase equal to 7 percent of the 1971-72 faculty salary budget and a system of distributing that increase to cover merit, "maintenance of competitive positions," and elimination of salary inequities.

The proposed 7 percent increase is not an average increase for all faculty, but is intended instead to improve the relative standing of the less well-paid colleges, as well as providing equity adjustments for female faculty and 12-month full professors, and a cost-of-living adjustment.

The proposed system would also establish base salaries for each academic rank (10-month equivalents) over a five-year period. Those base ranks would be \$17,000 for full professors, \$14,000 for associate professors, \$11,000 for assistant professors and \$8,000 for instructors.

Cost-of-living adjustment is proposed at \$350 for each fulltime equivalent faculty member.

Provost John E. Cantlon expressed appreciation for the FAFCC efforts, and he said that the recommendations "will be thoroughly considered by the appropriate University deliberative bodies."

He noted that the report will be considered by the deans and the Executive Group before a recommendation is made to the Board of Trustees.

The FAFCC proposed that of the total 7 percent increase requested (\$2,711,497), 62.8 percent be allocated for merit increases and maintenance of competitive positions. Twenty percent of that amount would go to the provost's office to be used for increases for promotions and for distribution among colleges for "excellence and maintenance of competitive positions;" 20 percent would go to deans of colleges for merit and maintenance of competitive positions, and 60 percent would go to departments for merit increases.

Slightly more than 37 percent of the total would be used for equity and cost-of living adjustments, according to

the FAFCC proposal. This includes \$100,000 for equity adjustments for women faculty; \$50,000 for equity adjustments for 12-month full professors; \$80,000 for establishment of base salaries at each rank; and \$778,260 for cost-of-living adjustments.

In the hundreds of hours spent in developing the proposal, the FAFCC had four major aims, according to Frederick Williams, FAFCC chairman and professor of history: To gain general acceptance by the faculty; identify and eliminate existing inequities as rapidly as possible; establish a sound and workable merit system; and make faculty salaries at MSU competitive with those of comparable universities.

The FAFCC has proposed that salary adjustments be based on University salary averages for the various ranks instead of on the basis of existing college budgets, according to certain mathematical formulas worked out by the committee. In this way, the relatively less well-paid colleges would benefit, rather than having the gap between them and higher paid colleges widen, Williams said.

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## Senate to get bylaw changes

Bylaw amendments are the only action items on the agenda for the spring meeting of the Academic Senate (May 17 at 3 p.m. in 109 Anthony).

The Senate will also hear reports from the president, Athletic Council, and a report on the review of department chairman from the provost. Nominations will be taken for the Athletic Council.

Bylaw amendments before the Senate pertain to enfranchising instructors, rules for mid - year replacement of students on standing committees, language regarding student members - at - large of the Academic Council, shifting all elections to the academic calendar, and amendments dealing with noncollege faculty.

# Old College Hall: The walls came tumbling

"They don't build 'em like they used to."

Sound familiar? It's a common disdainful reference to today's mass-produced products such as automobiles, appliances and buildings.

This axiom applies to MSU structures — only in reverse.

Although the University's modern buildings are sometimes criticized for their design, they have been free of major structural flaws and seem destined to stand for many decades. Not so with the first campus building, Old College Hall, which was built in 1856 on the site where Beaumont Tower now stands.



Emblazoned on the official University seal and pointed to with pride as the "first building in America erected for the instruction of scientific agriculture," College Hall was a shaky beginning for an institution that would enroll 40,000 students 117 years later.

Few public buildings have ever been constructed so poorly. Major flaws became apparent even before it was occupied. But it managed to hang together for 62 years only because it was tied fore and aft with iron rods and underwent frequent major repairs.

During World War I, alumni, students and administrators wanted to keep it as a memorial, and planned to incorporate the structure into the new Union Building that was being financed and planned. But, alas, those plans came to naught when on an August night in 1918 the walls of College Hall, as did the walls of Jericho, came tumbling down at the sound of trumpets. The demise of College Hall came while a band was playing the National Anthem nearby for a war trainees' retreat.

\* \* \*

COLLEGE HALL WAS a part of a complex of two buildings erected in preparation for the opening of classes at what was then officially the Agricultural College of the State of Michigan. It was to be the principal classroom, laboratory and office building of the college and was the center for all classroom work until 1870. The second building was a student boarding hall, unofficially called Saint's Rest. It burned in December, 1876.

## Letter

### Staying off the band wagon

To the Editor:

The various groups vying for faculty bargaining rights have gained considerable lineage in the MSU News-Bulletin. In turn this may convey the impression that the faculty as a whole favor collective bargaining. The vast majority of faculty do not.

We view such a step as alien to the profession and an infringement on our

individual rights. However, we have no organized voice. True, we can and will vote against it should an election be held. The threat, however, is an erosion among the uncommitted faculty due to a "band wagon" effect brought about by all the publicity.

W. J. E. Crissy  
Professor of marketing

### Faculty golf club reorganizes

The Forest Akers Faculty Golf Club has elected new officers and is in the process of reorganizing for the coming season.

The club has been active for two years with more than 100 members each of the past two seasons. Membership is open to men faculty and staff for \$3 a year.

Officers of the club are: President — Marshall Hestenes, assistant professor

of mathematics; vice president — Robert Ferle, MSU Book Store; treasurer — Edward Z. Kazarian, professor of hotel, restaurant and institutional management; secretary — W. Lowell Treaster, director of information services; tournament chairman — Robert Nordmann, assistant basketball coach.

This year's tournament schedule includes: Two-man best ball tourney, May 27; individual and team medal play, June 10; four-man best ball, June 18; wood, iron and putter tournament, July 2; individual medal, July 16, and Scotch, July 29.

A match plan tournament is being arranged for the middle of May and entry deadline is May 14.

A parallel organization for women may be organized, if there is enough interest, according to Margaret MacColl, assistant to the dean and assistant professor in business.

Sloppy construction was as evident in the boarding hall as in the classroom building. Before the buildings were dedicated some doors wouldn't open, others wouldn't close, only a few would lock. Flooring of soft pine was shrunken and uneven. Baseboards were loose, the roofs leaked until moistened plaster weakened and fell, and even cisterns in the basements failed to hold rainwater. (Cisterns were used in those days to collect drinking and laundry water because there was no method of removing the heavy iron content of well water). Foundations began to settle so quickly that in the opening month of classes, piers were placed under a sagging portion of College Hall.

Members of the governing body of the college received a short course in finances when they discovered to their dismay that taking the low bid is not always genuine economy.

They took bids on the two, three-story buildings and signed the contract with the low bidder for \$26,500. There is no information available as to the subsequent cost of repairs, although after long delay a financial settlement was consummated that partially repaid the college.

The actual condition of College Hall was not discovered until some years later when it was learned that the foundations rested on plank footings and one corner of the basement wall enclosed a large stump. In the meantime roofs had to be replaced, tierods installed in College Hall and other major repairs made.

Madison Kuhn observes in his book, "The First Hundred Years": "Because the contractors had been careless, if not dishonest, and because the board had neglected to supervise adequately, the college would be plagued in its critical early years by the inconveniences and expenses of defective buildings."

\* \* \*

AS IT WAS first planned, College Hall was to have a central structure with two wings, but only the west wing was built. The first floor was assigned to chemistry, including a laboratory and lecture room. The upper two floors housed a 200-volume library, an agricultural museum, four classrooms and seven working rooms for professors. Subjects taught included English studies, chemistry, biology, veterinary art, mathematics, practical agriculture and practical horticulture. The lecture room on the first floor later doubled as a chapel.

The rooms in College Hall were first heated by wood stoves, but later by a hot air furnace. It became overheated one Sunday and set fire to the basement near the southeast corner while services were being conducted in the chapel and Elder Weed was in the middle of his sermon. His closing remarks were never heard.

Either by poor design or omission during construction, the chemistry laboratory had only two windows, which proved crucial in those electricity-less days. Except during bright sunshine, the light was not sufficient from the two windows for lab work. Laboratory classes had to be dismissed on many occasions.

Mrs. Hubert Brown of East Lansing remembers taking math classes in College Hall in 1915 and 1916. She retains a vivid mental picture of workmen busily trying to buttress the walls to strengthen the building, and believes that among her possessions is a photograph of the bulging walls just prior to the final collapse. An attempt had been made to pour concrete between the inner and outer walls of the building to make them more rigid, but this technique only served to weaken them further.

Fortunately, more skilled contractors became available in the East Lansing area as other buildings were constructed on the Michigan State campus. It's not anticipated that walls of any contemporary buildings will collapse even though the trumpet sections in the MSU marching and concert bands have been expanded considerably.

—W. LOWELL TREASTER

## Compensation report . . .

(Concluded from page 1)

Besides the specific percentage and dollar recommendations made by the FAFCC, eight guidelines were also proposed:

\*To provide for broad faculty participation in the distribution of salary increases, salary advisory committees should be created or continued at department, college and University levels.

\*Distribution of money for equity and cost-of-living adjustments shall be administered by the provost.

\*Money for promotion increases shall be administered by the provost from the amount proposed for allocation to him for distribution among the colleges.

\*The major portion of the money assigned to the provost and deans shall be allocated before specific department recommendations are made and returned to the deans (that is, the department would know the amount being allocated to them by the provost and deans before making individual salary adjustment recommendations rather than requesting amounts for such recommendations without knowing their specific budget).

\*All merit increases shall be made on a 10-month equivalent basis.

\*In distributing money for merit increases an effort shall be made to

maintain the average salary differences between ranks and to upgrade as much as possible the relative standing in the Big Ten of 10-month full professors (who are now last in the Big Ten) and 12-month full and associate professors (who are now eighth in the Big Ten).

\*To achieve suggested base salary levels as soon as possible (over a five-year period, Williams said) neither new appointments nor promotions shall be made at salaries below the base levels proposed by the FAFCC.

\*Exceptions to the guidelines shall be made for situations such as resignations and part-time faculty.

Williams told the EFC Tuesday that many faculty groups and representatives addressed the FAFCC during its deliberations. Proposals ranged from one extreme of a rigid system with base salary levels, periodic longevity increases and salary equality among colleges to another extreme of a system based on merit and demands of the marketplace, Williams said.

He reported that the committee favored a position somewhere between the two extremes which is designed "to improve the salary levels of depressed individuals and units without abandoning rewards for merit and without ignoring the demands of the marketplace."

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# Around the campus: A weekly review

## Michigan residency sought

The University will seek to permit sons and daughters of migrant workers to acquire Michigan residency for enrollment purposes, President Wharton announced last week. Such students would then be eligible for in-state tuition.

Wharton said the proposed change in University residency requirements would be presented for approval to the Board of Trustees at its next meeting on May 19.

Under the plan, applicants would meet the residency test if their parents or legal guardians were employed as migrant workers in Michigan for at least two months during each of three of the preceding five years.

Under the current fee schedule, such a student would pay \$14 per credit hour instead of the \$33 charged out-of-state students. Total savings during an academic year would amount to nearly \$900.

Ordinarily, a prospective student may acquire in-state residency status only after residing in Michigan for at least six months prior to enrollment.

"We believe the employment test for a parent, or for a student, is a fair and reasonable means of establishing residence for those students who are otherwise 'homeless' due to their migrant status," Wharton said.

"We hope this will encourage young men and women who meet the test to apply to MSU. The in-state residency status will not only reduce the formidable overall cost of a college education to them, but it also will make it easier for the University to provide financial assistance to students in need."

## Pino to advise provost's office

Frank Pino, Jr., assistant professor of romance languages, has been appointed an adviser to the provost on the development and conduct of academic programs having ethnic considerations.

In making the appointment, Provost John E. Cantlon said that MSU "has recognized that academically sound educational experiences can be developed around a variety of subjects treated from an ethnic perspective.

"The competent judges of quality, enrollment potential, resource availability and similar considerations are in the departments and colleges having responsibility for the various subjects."

But he added that at the University level, "we in the provost's office find the need for designating an individual who is sensitive both to the academic opportunities in these ethnic treatments and who knows first-hand what the requirements are in getting such activities underway."

Cantlon noted that Pino has developed courses with Chicano perspectives.

## 'Frim' Frimodig dies

One of the University's best-known figures — particularly in athletics where he served for more than 50 years — died last week (May 7) in Lansing's Sparrow Hospital.

Lyman L. ("Frim") Frimodig was 80. He was graduated from MSU (then Michigan Agricultural College) in 1913 as the school's only 10 letterwinner, and joined the staff in 1919 as an instructor, coach and athletic business manager. He retired in 1960 as athletic business manager.

He remained active after retirement, serving as business manager for athletic programs and compiling a history of MSU athletics. The latter work resulted in the publication last year of the book, "Spartan Saga," which Frimodig wrote in collaboration with Fred Stabley, sports information director.

When Mr. Frimodig joined the staff in 1919, it was for a six-month stint as physical education instructor and freshman coach. The assignment eventually grew and spanned more than half a century.

He also served during his career here as: Intramural sports director, assistant athletic director, assistant football coach, varsity basketball coach, ticket manager, and professor of health, physical education and recreation.

Mr. Frimodig was also mayor of East Lansing (1933-37), chairman of the East Lansing Charter Commission (1943) and the recipient of numerous professional and civic awards.

He is survived by his wife, Dorothy, and a daughter, Mrs. Margaret Brown, both of East Lansing. There were no funeral services. The family said that donations may be made to the Peoples Church Building Fund and to the Ingham County Cancer Fund.

## Ending pollution costs the poor

Social conflicts are expected to arise as the cost of ending pollution increases, according to a continuing study by a team of sociologists from MSU and Brigham Young University.

"The worst short-term losers in environmental reform are the poor," according to Denton E. Morrison of MSU, W. Keith Warner of Brigham Young, and Kenneth E. Hornback, an MSU doctoral candidate.

They explain that the costs of fighting pollution tend to be displaced downward to the consumer, and this places the greatest burden upon those who can least afford it.

Morrison, Warner and Hornback predict that, as costs of preserving the environment increase, movements of and for the poor will grow or be revitalized.

In addition, they say, the present basically natural environment thrust may weaken in favor of a definition centered upon the urban environment.

The less affluent don't have as many opportunities to enjoy the beaches or the wilderness, the three say. Instead, they are more concerned with the day-to-day problems of "survival and comfort in, as well as escape from, environments that directly threaten their health, welfare and security."

Those of higher social and economic status, "... are personally better

prepared both economically and mentally to accept the costs of environmental reforms," the researchers add.

"We expect that certain less affluent segments of the population will come, in time, to view the costly efforts at environmental reform as a primary source of blockage for their economic expectations."

Morrison, Warner and Hornback go on to say that the lower social and economic groups define an improved environment in terms of more consumption of goods and more material convenience.

"These are exactly the terms the environmentalists are increasingly questioning."

## PBK adds 100 students

More than 100 students were initiated into the MSU chapter of Phi Beta Kappa Wednesday (May 10).

Spring term initiates include 41 students from arts and letters; 32 from social science; 5 from Lyman Briggs; 20 from natural science; 17 from Justin Morrill and 7 from James Madison.

Officers of the Phi Beta Kappa chapter are: President, Ombudsman James D. Rust; vice president, John F.A. Taylor, professor of philosophy; secretary, C.L. Schloemer, professor of natural science; treasurer George R. Price, professor of English, and executive committee member, Milton E. Meulder, dean of advanced graduate studies. Mary Tomkins, associate professor of American thought and language, is vice president-elect, and Karl Thompson, professor of humanities is past president.

The main address was by Edward Carlin, dean of the University College, who received an honorary membership.

## A woman in building construction

This June, Jeannette A. Champlin, a 22-year-old senior from Belding, Mich., will be the only woman to have earned a degree in building construction from MSU.

No, she won't be a carpenter. Building construction is a problem-solving, production management curriculum offered through the School of Packaging.

Miss Champlin said she enjoys the distinction of being a first, "but I didn't do it to be the first woman to graduate in building construction," she said. "I did it because I was interested in it."

She said her parents played an indirect role in influencing her decision to change her major from math to building construction.

"You see, my father is a jack-of-all-trades around the house — plumbing, electricity, carpentry — and my mother is a building plan fanatic (she loves to read them). Some of it must have rubbed off on me. I wanted something more applied than math theory so I switched to BC (building construction)," she said.

After graduation, Miss Champlin plans to get a job related to her field of study. "Oh, by the way," she added, "I can cook and sew and things like that."

## American studies group elects

The American Studies Association of MSU has elected its slate of officers for the 1972-73 year.

Paul Somers was elected president; Paul Ferlazzo, vice president; and Douglas Noverr, secretary-treasurer. All are in American thought and language.

They are currently organizing programs for next year to focus on problems and issues related to the American past and the contemporary cultural scene. Also planned is a quarterly newsletter.

Additional information is available from Noverr at 251 Bessey Hall.

## Renaud hall is dedicated

Nobel Laureate Linus Pauling recently joined MSU chemists in honoring H. James Renaud and his father, the late Harold E. Renaud.

The scientists dedicated a lecture hall in the Chemistry Building to the Renauds who began a nonprofit corporation which has served Michigan for 16 years. The Renaud Foundation was established in 1956 to receive and administer funds for charitable, scientific and educational purposes.

The philanthropic organization has sponsored the MSU section of the American Chemical Society's lectureship series for the past 13 years. The series has brought outstanding educators and lecturers to campus for public talks. Five of the speakers, including Prof. Pauling, have been Nobel Prize winners.

## Rogers warns against isolationism

The United States must prevent itself from slipping into the isolationism of the 1930s because of some unfavorable international developments such as the Vietnam war, according to an MSU professor of communication.

"There's the growing feeling of let's not only get out of Vietnam, let's get out of the world," Everett Rogers told Michigan educators attending a leadership conference on international education in the Kellogg Center.

Rogers said that school systems should introduce courses on some of the most recent developments in international news, such as China.

He referred to his own educational background which included "maybe one paragraph about China in my history book, and that was about Marco Polo bringing back some tea."

Getting accurate, unbiased accounts of life in China from the very small number of people who have had direct contact with China makes information-gathering difficult, Rogers pointed out.

But he emphasized that U.S. education should try to get over its ethnocentrism to prepare people for lives "affected more by what happens outside our country's boundaries than what happens inside them."

# Honors committee: A 'positive activity'

More than a year ago, the News - Bulletin began a series on the University standing committees to further understanding of their functions and concerns. The following committees have been covered by the News - Bulletin: Faculty affairs, faculty tenure, educational policies, University library, business affairs and student affairs. Following is a story on the honors programs committee, a continuation of the standing committee series.

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Of all the committees and councils on which he has ever served, Martin Hawley says the University Committee on Honors Programs is the most enjoyable — "mainly because it's always constructive."

Hawley, associate professor of chemical engineering, is serving his second term as chairman of the honors programs committee (HPC). Another reason he likes the HPC work, he says, is "there is no haggling;" financial matters aren't discussed; "it's a positive activity."

It is also an outlet for some of his concerns. Right now, he says, he has a feeling that there has been a shift in emphasis at MSU from a "university" to a

"social agency," a shift away from "academic excellence."

He says he also sees at the University a concern about such things as finances and student credit hours and not of quality or scholarship.

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SO THE COMMITTEE is now doing some fact finding, Hawley said, into the matter of National Merit Scholars — how many are here, if the number is decreasing, kinds of information they receive about MSU before coming, kinds of programs available to them after they're here, etc.

According to figures from Ira Polley, assistant provost for admission and records, MSU is still first in the nation in number of merit scholars enrolled (564), but the number of entering freshmen scholars is decreasing. Some merit scholar statistics:

U.S. college and universities sponsor 780 National Merit Scholarships (MSU sponsors 65 of those, and corporations and private institutions sponsor 1,700 merit scholarships. And there are 19 National Achievement Scholars (a national merit program for black students) at MSU.

In fall 1971, 121 merit scholars entered MSU; in previous years that figure was

130, 152, 202 and 195.

Some of the questions the HPC is asking include: Why are the figures dropping? What effect does tuition (particularly high - out - of - state tuition) have on a merit scholar's decision not to come to MSU? Are the promises made to merit scholars realistic? Are they fulfilled after they enroll here? Does the Honors College receive adequate support for programs which fit the promises?

The tuition question may be settled with court decisions regarding the age of majority, Hawley said. And Polley said that all merit scholars receive some kind of scholarship or honorarium, based on financial need, as all scholarships are based. Out - of - state universities with higher tuition are considered in determining a merit scholar's need, Polley said.

A subcommittee of HPC has been set up to "fact find," Hawley said, and to see if the HPC can recommend any actions.

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OTHER CONCERNS of the HPC — as the committee designed "to focus on scholarly activities of the University and to encourage scholarly activities," Hawley said — include: Establishment last year of an honors option program, whereby students not enrolled in Honors

College could sign up for extra course work to earn an "H" grade in a nonhonors course. This is, Hawley said, "another way to encourage students to try something."

The HPC and Honors College personnel also developed last year a booklet on independent study — a listing of professors willing to work with students for independent study, with specific areas listed.

The HPC has also been involved in the evaluation of the experimental honors freshman program (News - Bulletin, April 13).

According to the Bylaws for Academic Governance, the HPC is charged with reviewing and evaluating programs for honors students within the colleges and departments of the University, including the Honors College. HPC is also charged with advising Frank Blackington, the college's director, on policies and procedures and possible changes in current programs.

"We want to make this an exciting place academically," Hawley said. "It is a faculty and student responsibility, but we are the focal point, a symbol of it. We talk about it."

—BEVERLY TWITCHELL

## Grievance document passes EFC, Academic Council

The Elected Faculty and Academic Councils approved Tuesday several amendments to the proposed interim grievance procedures, which will be forwarded once again to the Board of Trustees.

The amendments, presented by E. Fred Carlisle, associate professor of English and chairman of the ad hoc committee which drafted the grievance procedures, were designed to meet objections voiced by the trustees at their April meeting, as well as concerns expressed by Council members last week.

The amended grievance procedures would now provide for the hearing of appeals at the University level on decisions not to reappoint nontenured faculty members. The procedures guarantee representation of nontenured faculty members on the hearing panels for such appeals, and they provide for representation on those panels by members of the University Committee on Faculty Tenure (FTC).

Specifically, the procedures call for a long-term University Appeals Board, modeled after University standing committees by including representation for tenured faculty from each college, two noncollege tenured faculty and eight nontenured faculty members.

Appeals panels would be selected from the University Appeals Board. But in cases of appeals on nonreappointment of nontenured faculty in the tenure stream, the appeals panels would consist of three tenured faculty from the FTC and two nontenured faculty selected by the Faculty Grievance Official from among the eight nontenured members of the University Appeals Board.

The amendments offered by Carlisle Tuesday were a compromise or consolidation of two separate proposals suggested at last week's Elected Faculty Council meeting. The specific amendments were suggested at a special meeting of the Steering Committee of the Faculty last Friday by Lawrence Boger, dean of agriculture and natural resources and chairman of an Administrative Group subcommittee which has been studying grievance procedures. Carlisle and several members of the tenure committee also attended that meeting.

The Council also endorsed the University Educational Policies Committee (EPC) statement offering alternative models for creation of either an urban development college, or urban programs office and a unit of racial and ethnic studies. The vote was 49 to 19.

Herbert C. Rudman, professor of administration and higher education, said that more data were needed on the effectiveness of the existing Center for Urban Affairs before action should be taken on a new urban unit.

He urged President Wharton to recommend to the trustees that a comprehensive evaluation of the Center be made.

Carl Goldschmidt, professor of urban planning and landscape architecture, said that he realized the EPC had been restricted by time, but said there were several alternatives available besides the proposals.

## Board to get AD choices

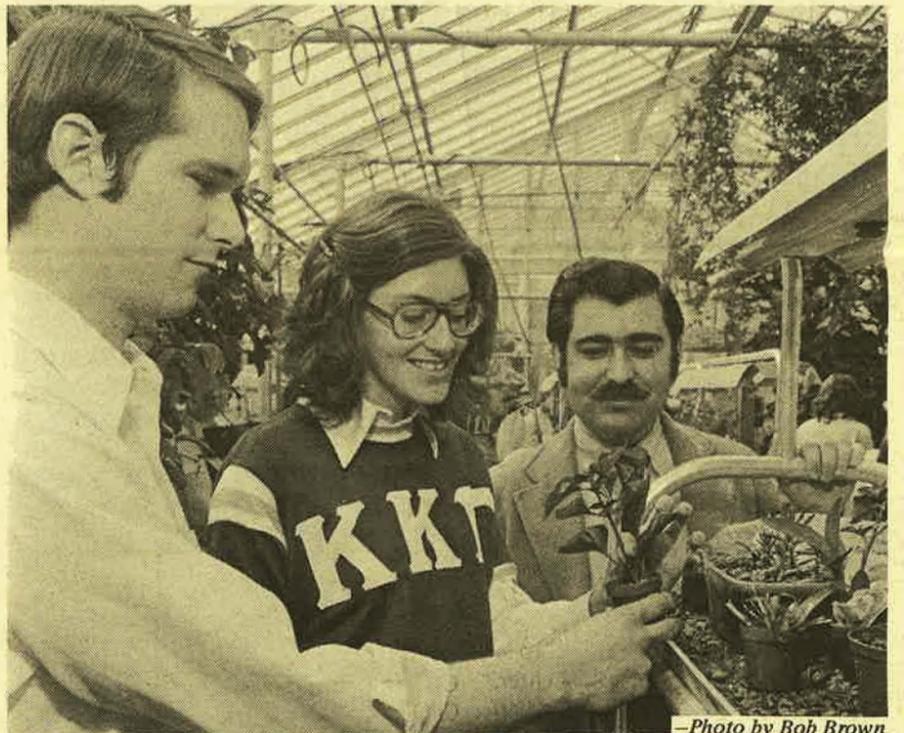
Recommendations for both a vice president for student affairs and a director of athletics are expected to go to the Board of Trustees at its May 19 meeting.

Executive Vice President Jack Breslin announced this week that the names of three candidates for athletic director have gone to President Wharton, and

added that "we hope to submit a recommendation to the Board of Trustees" by next week.

The three athletic director candidates were submitted by the Athletic Council.

Breslin said that there are no plans to release the names of the three candidates being considered.



—Photo by Bob Brown  
Inspecting house plants: From left, David Sanford, teaching assistant; student Melissa Haynes; and Everett Emino, instructor in horticulture.

## Turning to on horticulture-- house plants don't have to die

In the spring, a young woman's heart turns to . . . plants. At least that's the case in Horticulture 323 — Indoor Plants and Flowers — where a predominantly female class is learning, among other things, that house plants don't have to die.

The laboratory course offers students — nonmajors in horticulture — a chance to learn plant - identification, the growing and propagating of plants, and flower arranging.

Everett R. Emino, horticulture instructor, says the course appeals to the students because they can get right in and work with plants, and end up with a collection of house plants. This quarter 150 students fill seven sections, and many more had to be turned away.

Emino teaches the course with the help of four graduate students — Ronald Shumack, David Sanford, Rollin Smith and Mathew Benvenuto.

According to Emino, students don't have to have a green thumb to be

successful in the growing of plants.

"The students learn how to grow plants by getting to understand them."

They spend a large portion of each period in the Horticulture Teaching Greenhouses. Each is given a tray on a cart on which to grow and propagate plants. At the conclusion of the course, students have a minimum of 25 plants, and aggressive ones have as many as 100 plants.

The three - credit course also teaches construction of dish gardens, terrariums (bottle gardens) and hanging baskets.

During the flower - arranging portion of the course, students learn to arrange centerpieces, corsages, dried floral pictures and dried flowers in apothecary jars.

Emino says Michigan State is a leader in offering this type of course, labeled amateur horticulture.

"The course offers nonmajors a chance to learn about plants and to enrich their lives with plants," he says.

## Little change seen in 1980 consumer

What will business have to do to satisfy the American consumer in 1980?

What products will the consumer demand and how much will he be able to pay for them? How will his tastes and values change during the 1970s? How will urbanization, pollution control, and other social issues affect the market place? Will certain alternate life styles replace the nuclear family as the principal market for consumer goods and services?

In the May issue of MSU Business Topics, published by the Graduate School of Business Administration, five scholars and a marketing executive report on an 18-month study designed to answer these and other questions about "Consumer Environments & Life Styles of the 1980s."

They are William Lazer, MSU professor of marketing and a specialist in consumer behavior; William E. Henry, University of Chicago professor of psychology and human development; Dennis Knight, University of Wyoming, ecologist and botanist; Lee Rainwater, Harvard urbanologist; and George Stolnitz, economic demographer from Indiana University.

The project was coordinated by John Smallwood, director of economic and marketing research for the Whirlpool Corporation.

THE FUSION of industrial and academic resources began more than two years ago when Smallwood of Whirlpool asked Lazer to help him put together a "think tank" of established experts in various fields. The object was to synthesize data from several key disciplines into a coherent picture of American consumerism a decade hence.

When finished, this picture revealed a stable consumer environment marked by some surprising — even paradoxical — developments.

"Despite all the attention being given to changes and technological developments, the most striking indication is that life styles and values of various social classes will demonstrate great stability," the report says.

"Increases in affluence will not result in the purchase of different kinds of products, entirely new life styles or different product associations and meanings," it continues.

"Rather, consumers will purchase what they have always wanted but could not afford. The result will not be a major change in life style, but an accumulation of objects already valued."

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WITHIN THAT framework of overall stability, however, the scholars recognized a number of significant trends. The most notable they call "A New Poverty of Time."

The report states: "The major constraint on consumption may be shifting from money to time. Time will become a more significant factor in product selection and use. Paradoxically, increasing affluence will result in less rather than more free or uncommitted time."

Consumers' discretionary time will not be appreciably increased by a shorter work week (where shorter work hours have occurred so has moonlighting), the researchers say, and more goods and services will be competing for the limited time available.

—MIKE MORRISON

## Awards to Nisbet, Mott

Former Trustee Stephen S. Nisbet and philanthropist Charles Stewart Mott will be the first recipients of MSU's Distinguished Citizen Awards.

Nisbet and Mott will receive the awards at a luncheon sponsored by the Board of Trustees May 24 in Kellogg Center. Presentation of the awards is timed to coincide with this year's Michigan Week.

The Distinguished Citizen Award was initiated by the Board last fall to honor Michigan citizens for outstanding service to the people of the state "in the land-grant tradition."

Nisbet is a native of Tawas City and a graduate of Alma College, an institution he still serves as a trustee. He taught in rural schools in Arenac and Iosco counties and served as superintendent of schools in Fremont for 22 years until resigning in 1945 to become director of public relations for Gerber Products Company.

He was appointed to the State Board of Education in 1943 and re-elected in 1949 and 1955. He was elected to the MSU Board of Trustees in 1962 and retired in 1970.

The highlight of Nisbet's public service career was his election as chairman of the Michigan Constitutional Convention in 1961.

Mott, who will be 97 in June, is the oldest director of the General Motors Corporation. In 1926 he founded the Charles Stewart Mott Foundation to support educational health and recreational activities.

The foundation, one of the 10 largest in the country, annually dispenses millions of dollars for these activities. Although its scope is nationwide, the bulk of its effort has been within Michigan.

Mott was born in Newark, N.J., attended schools in New York City, and graduated as a mechanical engineer from Stevens Institute of Technology, Hoboken, N.J., in 1897.

He began his industrial career with a wire wheel firm his father and uncle owned in Utica, N.Y. In the early part of the century, he traded his controlling interest in the company for General Motors stock and became a director of that corporation.



—Photo by Bob Brown

## A musical Sunday

Violinist Walter Verdehr and pianist David Renner will present a recital Sunday (May 14) at 4 p.m. in the Kresge Art Gallery. The program includes works by Mozart, Gabriel Faure and Tchaikovsky.

## AAUP to pick officers

The MSU chapter of the American Association of University professors will hold its spring meeting Tuesday (May 16) to elect officers and to hear a progress report on AAUP efforts to get faculty signatures for collective bargaining representation.

The meeting begins at 7:30 p.m. in the Gold Room of the Union Building.

Nominees to be presented include: President — Erwin Bettinghaus, communication, and Jack Kinsinger, chemistry; vice president — Peter Asquith, Lyman Briggs College and philosophy, and Lester Manderscheid, agricultural economics; secretary — Jack Bain, communication, and Dennis Nyquist, electrical engineering; treasurer — Frank Camilleri, sociology, and Patricia D'Itri, American thought and language.

In addition, five council members will be chosen — three tenured, two nontenured — to bring the council's makeup to five nontenured and four tenured faculty.

Nominees from tenured faculty for the council include: Ada Fimifter, political science; Donald Gochberg, humanities; Michael Harrison, physics; Shirley Knapman, social work; Lawrence Lezotte, Center for Urban Affairs and educational psychology; James Lubkin, civil and sanitary engineering.

Council nominees from nontenured faculty are: James Anderson, Honors College and humanities; Edward Duane, social science; Carolyn McMillen, divisional librarian; Leroy Pickett, agricultural engineering.

Although an AAUP spokesman said that more signatures are expected by next week's meeting, the group this week had 760 "valid signatures" in its drive to

become the faculty bargaining agent if an election is held here.

Also vying to represent faculty is the MSU Faculty Associates, a Michigan Education Association affiliate.

Fred Graham, associate professor of Justin Morrill College, will report on the national AAUP meeting held last week in New Orleans where, among other things, the group endorsed collective bargaining as a national policy, censured the Board of Regents of the University of California for firing Angela Davis at UCLA, and installed Walter Adams, Distinguished University Professor of economics, as national president.

## A new name in the N-B

The News - Bulletin has a new associate editor: Sandra S. Dalka, a former newspaper reporter and since last summer a public information officer for the General Services Administration in Washington, D.C.

Miss Dalka takes over for Beverly Twitchell, associate editor for the past 2½ years, who will be married later this month to John E. Denbow of State College, Pa.

A graduate of Wayne State University, Miss Dalka was an education reporter for the Royal Oak Tribune from 1967 to 1969, and assistant coordinator of community relations at Oakland Community College during 1969-70.

The News - Bulletin's associate editor in charge of the calendar and bulletins section is Patricia Grauer.

## 'How to' series eases search for special library holdings

Libraries would be ideal if all information needed on a subject could be found conveniently in one place.

The MSU Library is trying to do the next best thing through a series of booklets called "How to Find..."

Two issues of "How to Find" have been published to date, one on Chicano materials and one on Afro - American materials. A third series is in progress — on the women's liberation movement.

And a fourth, on American Indians, is hoped for by summer.

Other topic possibilities are ecology and American novelists. And Patricia White, reference librarian who has worked with the series, said suggestions for further topics are welcome.

The series is designed to teach students how to use the library in terms of these specific topics. Thus the format of the booklets outlines areas of the library

where information of help are available — documents, pamphlets, bibliographies, biographies, newspapers, microfilm, etc., as well as certain branch libraries, such as the Labor and Industrial Relations Library and the Urban Affairs Library. Hopefully, students will apply knowledge gained about library resources to other topics, Miss White said.

The Chicano and Afro - American series

also discuss terminology relating to the topics — such as the development of the preferred titles for blacks, or Afro - Americans or Negroes, etc. There are suggestions as to how to use a card catalog, Chicano or Afro - American newspapers available in the library, and suggested readings.

The "How to Find" publications are available at the reference desk at the library.

## Business women: 'Sort of apple pie'

There is a group of women on the campus who "aren't a bunch of grippers."

It's the MSU Business Women's Club, and according to Beth Gustafson, the organization's president, the group isn't into such things as the women's liberation movement. "But we are working on striking the words 'female' and 'women' from the bylaws."

"I guess we're sort of apple pie," she says of the more than 400 members.

The club was organized in 1928 as both an educational and social organization for MSU's clerical staff. Today it continues to retain these functions and has added technical

workers to its membership.

The social aspect is handled through monthly luncheon meetings in the Union Building. Guest speakers, with subjects varied from flower arranging to protection against attackers, highlight the meetings. In addition, theatre trips and other such outings are planned for the membership.

Educational programs are held throughout the year, including an annual two-day workshop. Topics include information from various sectors of the University and community designed to help member professionally.

In addition, the club's education committee is trying to change



BETH GUSTAFSON

University policy to enable those in clerical and technical positions to be reimbursed for taking University courses.

Mrs. Gustafson, who is secretary and head cashier in the Union Building, says that the business women's club hasn't taken stands in the women's liberation movement "because it hasn't interested us as a group."

She adds that the club has a diversified membership, including many young women.

Esther Parker, the club's vice president and one of its younger members, explains that most women join the group basically to meet other women from around

campus, and that there is no militancy in the organization.

Miss Parker says that the membership is drawn from those interested in broadening their scope of campus.

"The club offers just about everything that a person might be interested in," she says.

Miss Parker, an executive secretary in the executive vice president's office, has been a member of the business women's club for eight years.

One of the club's main functions, the annual Bosses Luncheon, will be held Wednesday (May 17) in Kellogg Center. This year approximately 800 persons are expected to attend.

— SANDRA DALKA



ESTHER PARKER

## Compulsory retirement wasteful

Society cannot afford to place individuals into retirement at an arbitrary age, 65 or otherwise, President Wharton told some 45 retiring teaching, research and extension personnel Tuesday (May 9).

Wharton, speaking at the annual retirement dinner, maintained that compulsory retirement is "not in the best interests of the society or the particular institution, and in most cases, it is not the preference of the individual retiree."

Citing the work of the Task Force on Lifelong Education, he said a basic question is: "How can educational institutions help citizens of all ages, in all fields of endeavor, to be more productive and live more meaningful lives?"

And he told the retirees — more than half of whom had given 25 or more years of service to the University — that: "If the

current generation of faculty can equal your commitment, your devotion and your contributions to Michigan State, then we will have taken another major step forward in reaching the great potential of this University."

Wharton also reported that he had received a letter from Arthur Farrall, retired professor of agricultural engineering, suggesting that MSU have a committee to consider and prepare a plan of action to make better use of "available resources" in its retirees.

Wharton said it was "an excellent suggestion" and he added that he would like to hear from this year's retirees before such a committee is formed.

Those retired or retiring, with dates of employment, include:

Carlton M. Edwards, associate professor, agricultural engineering (12/57); Roy L.

Donahue, professor, crop and soil sciences (8/66); Clarence E. Lewis, professor, horticulture (9/57); Hans H. Haugard, resource development agent (12/53); Harry C. Lund, county extension director (7/54); Richard A. Machiele, county extension director (8/42); Stanley A. Mahaffy, county extension director (1/42); Louie E. Webb, county extension director (11/41); Harry S. Wilt, county extension director, (6/39); Louis J. Berman, lecturer, journalism (9/61); Clyde M. Campbell, professor, administration and higher education (9/45); Julian W. Smith, professor, administration and higher education (7/53); Edgar A. Schuler, professor, secondary education and curriculum, and sociology (7/59); A. Lucile Ketchum, associate professor, family ecology (1/49); James C. Braddock, professor, zoology (9/47); Albe E. Munoon, associate professor, urban planning and landscape architecture (9/66); Robert W. Starring, professor, American thought and language (9/44); Elinore M. Winburne, instructor, American thought and language (9/45); M. Lois Calhoun, professor, anatomy (9/43); Harold L. Dahnke, professor and director, space utilization (4/49).

Those serving consultancies or taking terminal leave before retirement include:

Donald L. Murray, professor, dairy science (7/46); Lawrence Babb, professor, English (9/39); George W. Radimersky, professor, German and Russian (9/35); Gean E. Greenwell, associate professor, music (9/52); John W. Ruswinckel, professor, accounting and financial administration (9/39); Elsie M. Edwards, associate professor, audiology and speech sciences (1/50); Fred S. Siebert, professor, communication (6/57); William B. Hawley, professor and dean, College of Education (7/53); Ruby M. Junge, professor, elementary and special education (9/47); Dorothy J. Parker, associate professor, health, physical education and recreation (9/27); Dollie Kunkel, specialist, teacher education (10/52); John D. Ryder, professor, electrical engineering and systems science (9/54); Esther Everett, professor, family ecology (9/43); Frank D. Day, professor, criminal justice (11/56); Lucille K. Barber, professor, social work (9/53); Robert M. Lumianski, professor, American thought and language (9/46); Jean Brierley, professor, natural science (1/45); Arthur D. Angel, professor, social science (9/46); James D. Davis, assistant professor, Instructional Media Center (9/45); Frances M. DeLisle, professor, Institutional Research (9/47); John Brotzmann, assistant professor, intercollegiate athletics (1/48); Fendley Collins, associate professor, intercollegiate athletics (9/29); Clarence L. Munn, professor, chairman, athletic director, intercollegiate athletics, health, physical education and recreation (1/47); Emery G. Foster, professor and assistant vice president, business operations (9/41); Ross W. Matteson, professor, Counseling Center (5/46);

## Alfred Leigh dies Monday

Alfred H. Leigh liked to reminisce.

The professor of civil engineering had many memories of MSU after serving on the University's teaching staff for 43 years. He planned to retire this June.

Mr. Leigh was recalling some of his memories about the campus on Monday afternoon. He died three hours later at approximately 7 p.m. of a suspected heart attack as he was leaving Lot C in his car.

Leigh talked about his years at the University as "good years."

He told of street cars running through campus. "They were discontinued when they took up the rails for the steel during World War II," he said.

Mr. Leigh remembered when there were only 3,000 students and the campus was basically north of the Red Cedar River.

The dapper 68-year-old, with silver running through his hair, also remembered a time when everybody

know everybody on campus.

"There was a more fraternal atmosphere between professors and students in those days," he said as he pointed to an aerial photo of the University in the early 1940s which hangs on his office wall. Leigh was twice named a distinguished professor in engineering and was a member of several professional organizations.

He remembered playing pool with former Pres. John Hannah. He remembered faculty baseball teams. And he remembered when there weren't "committees for this and committees for that."

Mr. Leigh came to MSU in 1929 "for only a couple of years." He planned to return to the industrial field. "Then the depression hit and it seemed a good place to stay," he said.

Funeral services for Mr. Leigh will be at 11 a.m. today at St. Paul's Episcopal Church in Lansing.

## First interns are placed

The 30 students who will receive the University's first M.D. degrees this June have learned where they will intern, and the College of Human Medicine faculty is generally pleased with the results.

Twenty-six of the students participated in a national computerized program in which they listed their preferences for internship and were in turn selected by their first, second or third choices. The other four made private arrangements.

"We were very pleased that 23 out of the 26 were selected by their first choices," said James Conklin, associate dean for student affairs. "A school is doing well if only half of the class is picked that high."

Conklin pointed out that three-quarters of the total class will remain in the Great Lakes area for internship and exactly half of the class will stay in Michigan.

"We are pleased to note that 10 of the students will be interning in community hospitals in which they trained."

Of the students who are going out of the state, one is fulfilling an Air Force commitment and many others are going to major medical centers which are highly favored by medical students nationally.

Of those remaining in the state, five will intern in Grand Rapids, three in Flint, three in Lansing, two in Detroit, and two in Dearborn.

Four students are going to Illinois, two to California and one each to the Air Force, and to Hawaii, New York, North Carolina, Minnesota, Ohio, Pennsylvania, Texas and Wisconsin.

Internships normally last for one year and provide the student with the opportunity to practice medicine under the supervision of hospital staff.

## BULLETINS

**SKY SCANNING** The "disappearance" of Venus and the prominent constellations of the current evening sky will be the subjects of the Sky Scanning presentation at Abrams Planetarium 8 p.m., Thursday, May 11. Admission is free.

**CENTENNIAL REVIEW** The 13 annual Centennial Review Lecture will be given on Friday, May 12, at 6 p.m. in the basement ballroom of the University Club. John M. Hunter will speak on "Societal Health Needs: A Man-Environment Interaction Approach."

**NATURE HIKES** A series of nature hikes, campfire programs, birdwatching, and historical walks will be presented by the students of the Department of Parks and Recreation Resources on Thursday through Monday, May 11-15. For information or scheduling contact Bill Jones, 5-2794.

**ACINIPO** The Central Michigan Archaeological Society will present an illustrated public lecture at 8 p.m., Wednesday, May 17, in the north gallery of Kresge Art Center. Paul Deussen will discuss plans for a new excavation of Acinipo, a Roman town in Spain.

**FACULTY FOLK** Max Ellison, noted Bellaire, Mich., poet and sometime farmer, will speak before 400 members of Faculty Folk at their annual spring luncheon, Friday, May 12 in Kellogg Center. Scholarship winners will also be announced.

**WHAT IS LIFE?** Martin N. Heafer will speak on "What Is Life?" at 4 p.m., Friday, May 12, in 108B Wells, under the sponsorship of the Christian Science Organization.

**SIGMA XI** The annual Sigma Xi dinner and initiation will be held at 6:30 p.m., Tuesday, May 16, in the Big Ten Room of Kellogg Center. Frank H.T. Rhodes, dean of the College of Literature, Science, and the Arts at the U. of Michigan will speak on "Science in the Future of Man."

**LECTURE-CONCERT** Friday, May 12, is the last day for current season ticket holders to renew their seats for the 1972-73 Lecture-Concert subscription season. May 16-17 have been set aside for patrons wishing to make changes in seating location for series, and May 18-19 are reserved exclusively for MSU faculty-staff to make first seating selections as new patrons. The season ticket sale opens to all new subscribers on May 22. For further information, contact the Union Ticket Office 5-3361 8:15 a.m.-4:30 p.m., weekdays.

**REVISED CLASS LISTS** Revised class lists will be delivered to departmental offices on Friday, May 12. These lists include the names of all students enrolled in each course and section as of May 10. Revised class lists should be carefully checked as soon as possible, and questions directed to the Office of the Registrar (3-0731 or 5-3300, ext. 67). Final grade cards corresponding to the students listed on these class lists will be distributed. To insure proper distribution of grade cards, all discrepancies must be cleared prior to May 18.

## CONFERENCES

May 11-12 Bargaining with Conglomerates  
 May 14-19 State Information Officers II Workshop  
 May 15-16 Cooperative Nursery Schools Conf.  
 May 17 Instructors Seminar  
 May 18 Seminar for Large Animal Practitioners—Early Calf Mortality, Vet. Clinic

May 18-19 Aspects of New Social Studies: Some Theoretical Perspectives

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.

## EXHIBITIONS

**Kresge Art Center**  
 Entrance Gallery, North Gallery (through May 21): Works in various media by undergraduate and M.A. students.

**Beal Garden**  
 Narcissus, tulips and Virginia bluebells provide the main color accents in the landscape collection.

**Hidden Lake Gardens**  
 Flowering crabapples and lilacs are conspicuous among the many ornamental trees and shrubs normally in bloom at this time of year. Open daily 8 a.m. until sundown.

**Campus Plantings:**  
 Flowering cherries and spring bulbs are the featured displays this week.

## SEMINARS

### MONDAY, MAY 15, 1972

The number of phosphorylation sites in the chloroplast electron transport pathway. **Seikichi Izawa**, 4:10 p.m., 101 Biochemistry (AEC Plant Research Lab).

Operation of circular milking parlors in New Zealand or The lowdown on roundabouts downunder. **William Bickert** and **Dennis Armstrong**, 12:30 p.m., 126 Anthony (Dairy Science).

Canonical fluid dynamics. **L.A. Schmidt**, NASA, Greenbelt, 4:10 p.m., 118 Physics-Astronomy (Physics).

Study of the avian cerebrospinal fluid system by ventricular perfusion. **Douglas K. Anderson**, 4 p.m., 216 Giltner (Physiology).

### TUESDAY, MAY 16, 1972

Biological oxidation of aromatic hydrocarbons. **Kanit Krisnangkura**, 4:10 p.m., 101 Biochemistry (Biochemistry).

Photoionization intensities and their use in photoelectron spectroscopy. **Lawrence Lohr**, U. of Michigan, 4 p.m., 136 Chemistry (Chemistry).

Cocoa farming and economic and social change in Nigeria. **Sara Berry**, Indiana U., 3 p.m., 3 Marshall (Economic Development).

Preparation of 2 x 2 slides. **Dale Romsos**, 12:30 p.m., 102 Human Ecology (Food Science & Human Nutrition).

Combined effect of heat treatment and irradiation on spores of *Clostridium spp.* **Usana Navanugraha**, 4:10 p.m., 110 Anthony (Food Science & Human Nutrition).

A study on Michigan grown plums dealing with different varieties, harvest dates, ripening and storage techniques. **Richard Palmasano**, 4:10 p.m., 110 Anthony (Food Science & Human Nutrition).

A proposed study of behavioral adaptation of *Drosophila pseudoobscura*. **Ralph Levine**, 4:10 p.m., 168 Plant Biology Lab (Genetics).

Control and eradication of surra outbreaks in Java. **P. Subronto**, 8 a.m., A6 Vet Clinic (Large Animal Surgery & Medicine).

The cellulase complex of *Ruminococcus albus*. **R.E. Hungate**, U. of California—Davis, 4:10 p.m., 146 Giltner (Microbiology & Public Health).

Bayesian sequential estimation. **Mayer Alvo**, U. of Michigan, 4:10 p.m., 405A Wells (Statistics & Probability).

### WEDNESDAY, MAY 17, 1972

Nutrition and central nervous system development. **Myron Winick**, Columbia U., 4:10 p.m., 101 Biochemistry (Institute of Nutrition).

A retirement model for a graded manpower system of total fixed size. **Patrick Toole**, 3 p.m., 105 Eppley (Management).

### THURSDAY, MAY 18, 1972

A tentative conceptual framework for analyzing the impact of technical change on income distribution. **Delane Welsch**, U. of Minnesota, 3:30 p.m., 301 Agriculture (Agricultural Economics).

Translation and reverse transcription of purified mammalian m-RNA. **Philip Leder**, Section on Molecular Genetics, N.I.H., Bethesda, Maryland, 4:10 p.m., 101 Biochemistry (Biochemistry).

Ivory towers, management agencies, and models: A Colorado experience. **Jack E. Gross**, Colorado Cooperative Wildlife Research Unit, Colorado State U., 1:30 p.m., 221 Natural Resources (Fisheries & Wildlife).

Transport of SO<sub>2</sub> in the yeast *Saccharomyces cerevisiae var. ellipsoideus*. **Basil Macris**, 4:10 p.m., 110 Anthony (Food Science & Human Nutrition).

Calculation of the absolute cross-section of two-nucleon transfer reactions. **B. Bayman**, U. of Minnesota, 8 p.m., Cyclotron Seminar Room (Physics).

Familiarity and attraction. **Robert Zajonc**, U. of Michigan, 4 p.m., 304 Olds (Psychology).

Antigens of avian leukosis viruses. **Thomas Graf**, Duke U., 4:10 p.m., 146 Giltner (USDA Regional Poultry Laboratory).

Baboons, space, time and energy. **Stuart Altmann**, U. of Chicago, 3 p.m., 106B Wells (Zoology).

### FRIDAY, MAY 19, 1972

Water as a limiting factor in a population of *Neotoma albigula* (Rodentia). **Ronald W. Olson**, Western Michigan U., 3 p.m., 204 Natural Science (Zoology).

**Friday, May 12, 1972**

- 8 a.m. Golf—Spartan Invitational. Forest Akers Course.
- 2 p.m. Baseball—Doubleheader with Indiana. John Kobs Field.
- 3 p.m. Film festival—Film Show G. Fairchild Theatre.
- 7 p.m. Film festival—Film Show C. Conrad.
- 7 p.m. Film festival—Film Show D. Wilson.
- 8 p.m. Film festival—Noted writer and director Rod Serling will lecture. Fairchild Theatre.
- 8 p.m. "The Last Question"—This science fiction spectacular explores the theory of entropy, which maintains that all the life-giving energy of the stars is being drained. Abrams Planetarium.
- 8 p.m. Baha'i Film and Fireside. Snyder Trophy Room.
- 8 p.m. Synthetic Sound Circus—Music and sounds created by two Moog Synthesizers and modern dance performances by members of Orchesis will be featured. Tickets at door. McDonel Kiva.
- 8:15 p.m. Graduate recital—Marcia Hilden Anderson, clarinetist, will perform. Music Auditorium.
- 9 p.m. Film festival—Film Show C. Conrad.
- 9 p.m. Film festival—Film Show D. Wilson.
- 10 p.m. "The Last Question" (see above). Abrams Planetarium.
- 10 p.m. Synthetic Sound Circus (see above). McDonel Kiva.
- 11 p.m. Film festival—Film Show H. Conrad.
- 11 p.m. Film festival—Film Show G. Wilson.

**Saturday, May 13, 1972**

- 8 a.m. Golf—Spartan Invitational. Forest Akers Course.
- 12 p.m. Production sale—The Block and Bridle Club will sponsor its third annual sale of Hampshire, Rambouillet and Suffolk sheep. Livestock Pavilion.
- 1 p.m. Baseball—Doubleheader with Ohio State. John Kobs Field.
- 1:30 p.m. Green and White football game. Admission will be charged. Spartan Stadium.
- 2 p.m. Film festival—Film Show H. Fairchild.
- 2 p.m. Recital—Lorene Gottshall, cellist, and a student string quartet will perform works by Bibaldi, Popper, Milhaud, Chopin and Haydn. Music Auditorium.
- 2:30 p.m. "The Last Question" (see May 12). Abrams Planetarium.
- 4 p.m. Senior recital—Francia Fitch, violinist, will perform works by Tartini, Mozart, Debussy, and Schubert. Music Auditorium.
- 4 p.m. Synthetic Sound Circus (see May 12). McDonel Kiva.
- 7 p.m. Film festival—Film Show I. Fairchild Theatre.
- 7 p.m. Film festival—Film Show F. Conrad.
- 7 p.m. Film festival—Film Show E. Wilson.

- 8 p.m. "The Last Question" (see May 12). Abrams Planetarium.
- 8 p.m. Synthetic Sound Circus (see May 12). McDonel Kiva.
- 8:15 p.m. New Musical Arts Ensemble—The Ensemble will present a concert of contemporary works including George Crumb's "Ancient Voices of Children" with soprano Cora Enman. Music Auditorium.
- 9 p.m. Film festival—Film Show E. Wilson.
- 10 p.m. "The Last Question" (see May 12). Abrams Planetarium.
- 10 p.m. Synthetic Sound Circus (see May 12). McDonel Kiva.
- 11 p.m. Film festival—Film Show H. Conrad.
- 11 p.m. Film festival—Film Show G. Wilson.

**Sunday, May 14, 1972**

- 2 p.m. Senior recital—Bruce E. Bahnke, pianist, will perform works by Bach, Mozart, Brahms, and Persichetti. Music Auditorium.
- 4 p.m. "The Last Question" (see May 12). Abrams Planetarium.
- 4 p.m. Concert—The Singing Statesmen, under the direction of J. Harris Strohl, will present their traditional spring concert, spanning jazz to Mozart. There is no charge for admission. Music Auditorium.
- 7 p.m. Multi-music evening—Several short, simultaneous concerts will cover a wide spectrum of musical expression. Each program will be repeated several times so the interested listener will be able to hear all of the presentations. Music and Music Practice Bldgs.
- 7:30 p.m. Baha'i Film and Fireside. Shaw Lounge.
- 8 p.m. Pop Entertainment—The Byrds with Commander Cody and his Lost Planet Airmen will be featured. Tickets are available at Marshall Music, Campbell's Smoke Shop, and the Union Ticket Office. Auditorium.

**Tuesday, May 16, 1972**

- 12 p.m. University Club luncheon—James Hooker will discuss "Africa Revisited."
- 8 p.m. International folkdancing—Instruction will be held at 8 p.m. and dancing begins at 9 p.m. St. John Student Parish, 327 M.A.C.
- 8 p.m. Concert—The MSU Russian Chorus will present a concert of Russian vocal music. There is no charge for admission. Edgewood United Church, Hagadorn and Beech.

**Wednesday, May 17, 1972**

- 6:30 p.m. Concert—The Concert Band will perform in the second of the Governor's Concert Series on the steps of the capitol.

**Friday, May 19, 1972**

- 10 a.m. Board of Trustees meeting.

## BULLETINS

**BOSSSES' LUNCHEON**

The MSU Business Women's Annual Bosses' Luncheon will be held at noon Wednesday, May 17 in the Big Ten Room of Kellogg Center. Lillian Hicks of Detroit's Fisher Theater will speak on "The Theater Today."

**HEARING ON WOMEN**

An open hearing on the status of women in Michigan education will be held at 10 a.m., Saturday, May 13, in 31 Union. The hearing is sponsored by the Subcommittee on Education of the Michigan Women's Commission.

**DE TOCQUEVILLE**

French author Jacques Nantet will speak on "Actualite de Tocqueville" at 7:30 p.m., Thursday, May 11, in the Union Gold Room. Traveling under the auspices of the French government, his visit is sponsored by the Department of Romance Languages and the Alliance Francaise.

**WELFARE REFORM**

Joseph B. Parks, Deputy Assistant to the Secretary, U.S. Department of Health, Education and Welfare, will speak on welfare reform at 8 p.m., Thursday, May 18 in 116 Natural Science under the sponsorship of The Office of the Vice President for University Relations, the Center for Urban Affairs, the College of Human Ecology and the School of Social Work.

**FRENCH CANADA**

The Committee of Canadian-American Studies will host a symposium on contemporary French Canada beginning at 1:30 p.m., Friday, May 12, at the University Inn on Trowbridge Road. Speakers from Quebec and Ontario will deliver papers on the present state of political and cultural affairs of French Canada. Other sessions will be held at 8 p.m. Friday and 9:30 a.m. Saturday.

**ACADEMIC SENATE**

The Academic Senate will meet at 3 p.m., Wednesday, May 17, in Anthony Hall auditorium (109 Anthony).

**JEWISH STEREOTYPES**

"Jewish Stereotypes in American Popular Graphics" will be the subject of an illustrated talk by John J. Appel at 8 p.m. Thursday, May 11, in 334A Case.

**JAPAN AND POLITICS**

James W. Morley, Director of the East Asian Institute, Columbia University, and the leading American authority on Japanese foreign policy, will speak on Japan's role in contemporary world politics Wednesday, May 24, at 8 p.m. in 100 Engineering Building. Dr. Morley's lecture is being sponsored by the History Department and the Asian Studies Center.

**THEATER TRIP**

The MSU Business Women will sponsor a theatre trip June 10 to see "Purley." A dinner and show featuring Sammy Davis, Jr. will be held at the Elmwood Casino in Windsor, Ontario. Reservations may be made with Virginia Ross, Poultry Science, and must be accompanied by a \$29 check. For information, call Dolores Remus, 5-4550.

**JEAN HAMBURGER**

Jean Hamburger, world-renowned nephrologist responsible for the first clinical renal transplant program, will speak on "Current Approaches in the Treatment of Serious Renal Disease" at 5 p.m., Tuesday, May 16, in 133A Life Sciences I. He also will be available for informal discussions at 9 a.m. Wednesday, May 17, in the Con Con Room of the International Center.

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.