

MSU News - Bulletin

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Michigan State University

Oct. 28, 1971



Musical opens a big month

A cast of 12—ranging in age from 11 to 21—will perform "The Me Nobody Knows" when the rock musical is presented at 8:15 p.m. next Monday (Nov. 1) in the Auditorium. The production, winner of the 1970 Obie Award for Best Musical, kicks off a November filled with cultural events. Next up in the Lecture-Concert Series is Tuesday's (Nov. 2) appearance by Gerson Kingsley's First Moog Quartet at 8:15 p.m. in the Auditorium. The program features four Moog synthesizers, backed by live instruments and voices. A capsule calendar of major November musical, dramatic and filmed programs is on page 6 of today's News-Bulletin.

City housing recommendations being readied for Council

Recommendations from East Lansing's Joint Housing Committee are now being drawn into ordinance form by the city attorney, according to Mayor Gordon Thomas, also professor of communication.

When the East Lansing City Council considers the ordinances, members of the public will be allowed to speak to them, Thomas said.

The recommendations follow a nine-month study by the Joint Housing Committee, composed of members of East Lansing's Human Relations Commission and its Planning Commission, and representatives from MSU's Off-Campus Housing office and the student Off-Campus Council.

The committee's goal was to "examine and recommend actions to the various agencies of the City with respect to problems in the housing area," through analysis of the physical, social and economic housing problems.

East Lansing housing problems required special study, the committee reported, because of certain unique characteristics of the city, including its large percentage of young adult residents, large proportion of rooming and apartment houses, and the fluctuating population base which causes "difficulty in achieving balanced growth and development" in housing.

The committee studied the history of housing (pointing out that the city's

population — and therefore housing problems — grew as MSU grew); the supply of existing housing (noting that the median value of owner-occupied housing in 1970 was \$29,300, and citing the growth of multiple-family units); and the existing market for housing.

The housing market looks, in part, like this:

The majority of the East Lansing labor force is composed of MSU students, faculty and staff, plus retail and professional people. Of a total of 16,393 housing units in the city, about 75 percent are rental units.

In 1970 about two-thirds of the 51,000 East Lansing residents were students, 40 percent of whom lived off-campus, mostly in rental multiple-family structures.

The majority of the nonstudent (60 percent) population live in one or two family units, and the majority of these are MSU faculty and staff, professional personnel, state officials, retail and industrial management personnel.

About 40 percent of MSU employees live in East Lansing, the housing

(Continued on page 5)

EFC to get grievance document

The proposed interim faculty grievance procedures will go before the Elected Faculty Council Tuesday (Nov. 2) at 2 p.m. in the Con Con Room of the Center for International Programs.

The grievance procedures were to have been distributed to all Academic Council members with the agendas for both the Elected Faculty Council (EFC) and the Academic Council meetings. The Academic Council will convene following the EFC meeting, at 3:15 p.m. in the same room.

The procedures were developed by the Ad Hoc Committee to Study Faculty Rights, Responsibilities and Grievance Procedures, chaired by E. Fred Carlisle, associate chairman of English. The latest revised version is dated Oct. 25, 1971.

There have been five substantive changes in the proposed grievance procedures since they were reprinted in the State News earlier this term. Included in those revisions is clarification that the procedures shall not pre-empt the functions of the University Faculty Tenure Committee, and provisions that fees and expenses of a third member (from outside the University) of an appeals board shall be paid by the University.

A third revision outlines the route of the procedures through academic governance channels: From the faculty affairs and faculty compensation committee (which has already endorsed the proposal), to the Elected Faculty Council with the recommendation that it be approved and forwarded to the Academic Council, to the president and to the Board of Trustees.

Carlisle told the Steering Committee of the Faculty Monday that he expected the main objection to the proposal to be philosophical, based on the fact that the procedures would not bind the president to any decision. Carlisle said that this is consistent with the existing advisory function of academic governance.

And he said he thinks the proposed procedures will resolve grievances which faculty previously had no way of resolving.

(Continued on page 5)

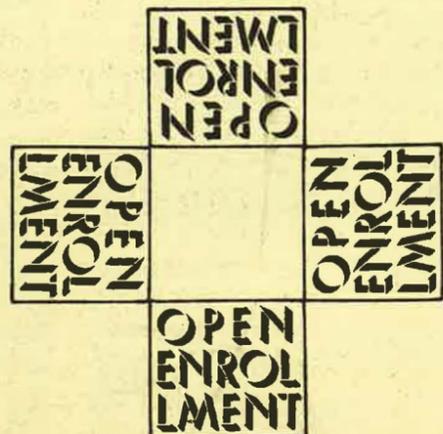
Benefits open enrollment continues

The annual open enrollment for insurance continues until Nov. 5. Brochures describing the programs went to faculty and staff earlier this week.

Representatives of the Staff Benefits Division will be available at the following locations from 3 to 4:30 p.m. to assist persons wishing to enroll:

Thursday (Oct. 28)—Room 111, Brody Building; Friday (Oct. 29)—Lunchroom, Physical Plant Building; Monday (Nov. 1)—Captain's Room (second floor), Union Building; Tuesday (Nov. 2)—Room E-2 (East Lounge), Owen Graduate Center.

The Staff Benefits Division will be open daily through Nov. 5 from 8 a.m. to 5 p.m. (including the lunch hour) to answer questions and assist persons during the open enrollment. Staff benefits is located in 344 Hannah Administration Building, phone 353-4434.



Letters

Faculty salary secrecy helps to breed mistrust

To the Editor:

In the last issue of the MSU News-Bulletin, (Oct. 21), there was: a news item in which several administrators speculated on the historical origin of salary secrecy; a statement by Prof. Thomas Moore, who argued for confidentiality to ensure his privacy; and another statement by Prof. Frank Blatt, principally taking umbrage with Trustee Clair White.

Each of these items, however, has little to do with the central issue raised by salary secrecy. The question that needs to be answered is whether the availability of salary information would contribute to the general welfare of the faculty, and as a consequence to the welfare of the University.

In a more perfect world of decision-making, the need for the availability of salary information would be less demanding. Decisions on salary increases would be made by our peers instead of by administrators, and our peers could be informed, objective and judicious. Financial resources also would be adequate for each Department to reward and improve its faculty.

But this kind of a world is about as foreign to Michigan State as perfect competition in the marketplace. In practice, most departmental advisory committees do not have information on salary levels, so must recommend

SAM, Chest issue cleared

To the Editor:

Interest in the issue of gun control legislation and the Community Chest prompts this letter. In the last several days the following developments have occurred.

*The National Council on Crime and Delinquency (NCCD), having earlier suspended its policy on gun control legislation and recognizing the need for additional information on the relationship between guns and crime, announced that it will intensify its efforts to develop new knowledge by stimulating, sponsoring and cooperating in research in this field.

*The Sportsmen's Alliance of Michigan has withdrawn its opposition to Community Chest drives throughout the state and is now urging all members to contribute.

*The announcement by NCCD has resolved the concern of the United Community Chest of Ingham County and dollars will be forthcoming from this year's campaign to support the council and its Michigan chapter.

Many people, with widely divergent views, have voiced their dissatisfaction with aspects of this episode. However, we believe these expressions can and should be made in ways which will not result in a reduction of services by Chest agencies to the people of our community. In our judgment the simplest way of insuring this is by contributing to the Chest drive and by formally communicating felt concerns to those responsible for policy decisions on this matter - the members of the board of the United Community Chest.

Thomas Dutch,
Russell Hill,
Louis Ross,
Kenneth Schram,
Kermit Smith,
John Howell, (chairman)

University Community Chest Committee

increments to unknown bases. In practice, also, administrators either determine merit increases unilaterally or adjust faculty recommendations. And perhaps most important, resources chronically are severely limited.

Most of the post-World War II period has been characterized by steeply rising enrollments, limited increases in budget appropriations, and a tight labor market for academicians. Under these conditions, it is only to be expected that unjustified salary discrepancies would develop in certain cases between new and existing faculty. New faculty had the bargaining power of a hot market; existing faculty were residual claimants. Remember the parable of the vineyard?

Enter at this point the element of gamesmanship. The more entrepreneurial faculty realized that there was one invariably successful way to beat the financial crunch - the alternative offer. Some of these offers, of course, were legitimate, but many were contrived. As a more jaundiced member of the Department of Economics expresses the strategy: Unless one's ass is in the market it can't be pinched. It simply became good business to advertise one's availability at regular intervals.

To these developments may be added any number of other possible unneutralities. Women faculty in general were discriminated against. Some good teachers suffered from publish or perish; some good researchers suffered if they were not ideologically pure; and some just suffered if they were unorthodox - if they resisted conventional departmental practices.

Under all of these circumstances, is there any wonder that the administration

(not the Board of Trustees) preferred to hide the salary schedules? Bringing everything out in the open would mean that administrators would be harassed for explanations and adjustments. At the same time, though, a disclosure of salary information would create individual and collective pressures to remove the inequities.

All of this demonstrates a principle that everyone should already know. One of the comparative advantages of the public sector (and Michigan State, incidentally, is part of the public sector), is that its

activities are carried out in a goldfish bowl. While inefficiencies are hidden in the private sector, they are exposed in the public sector. Thus, salary secrecy is not only an indignity, and breeds distrust, but it is also inefficient.

Your privacy, then, Professor Moore, is being provided at a rather high social cost. There is frequently a difference, you may recall, between the private and the social good.

Milton Taylor
Professor of economics

Pay list reveals urgent need to reform distribution system

To the Editor:

Although most of us can undoubtedly present well-reasoned statements supporting or opposing disclosure of salary information, our arguments have been rendered otiose this year by the availability of the faculty pay list at the library. Apparently any interested party may investigate its contents without even being asked to supply a signature.

One who takes the trouble to examine this document will not have to dig very far to unearth evidence showing discrimination against individuals according to department, sex, and race (including Caucasian). Whether or not such evidence should be kept confidential in order to spare embarrassment to those at the bottom of the salary scale, or subject those at the top to the fear of some costly

equalization process seems beside the point at this juncture.

What does seem pertinent is that the University's arrangement for distributing salary money, dependent as it is on the vagaries of human nature, has not been entirely successful, for it has nourished a situation whereby a less-than-outstanding faculty member can be - and sometimes is - rewarded at the expense of a superior colleague.

The need for reform is urgent, but reasonable alternative policies will probably not be initiated until the faculty is willing to organize, and exert at least a measure of control over its own destiny. Collective bargaining may be no panacea, but it falls far less short of perfection than the present system.

Theodore Johnson
Associate professor of music

Books

Small colleges praised and criticized

The seeds of decay may already be evident in many of the new small colleges created on American campuses in recent years, says an MSU educational researcher.

In the preface to his new book, Paul L. Dressel critically reviews the records of cluster, inner, residential and new college experiments. "Generally," he says, "I have been disheartened by the gap between the ideals as originally planned, or as later portrayed in literature and speeches, and the reality."

"New colleges, started as experiments by universities to explore the costs and benefits of alternative forms of undergraduate education, have not only failed to meet this obligation, but have actually rejected it."

Dressel's comments are in "The New Colleges: Toward an Appraisal," published by the American College Testing Program and the American Association for Higher Education. Dressel is a past president of the latter group, and at MSU he is assistant provost and director of institutional research.

CONTRIBUTORS TO the volume, including deans and presidents of eight new colleges, are far less critical than Dressel. According to D. Gordon Rohman, dean of Justin Morrill College, "It is much too early in the game to look for results in terms of either tested or even testable models."

Rohman says he is "more impressed by

the questions they have raised... than by the answers they have given."

While recognizing that evaluation must take place, Rohman argues for new approaches and new measures for these experiments in education. "It would be very much to the point to evaluate what such colleges have 'unlearned' and why."

* * *

AMONG OTHER contributors are Herbert Garfinkel, former dean of James Madison College, and Larry H. Litten of the National Opinion Research Center, University of Chicago.

In a chapter entitled, "We Know that You're Out There, But What Are You Doing?," Litten reviews the report from each of the eight small colleges and says they reveal "very little about what these colleges are trying to do and almost nothing about what effects they are having."

Their common fault, Litten says, stems from the intimate connection of the contributors to the new colleges being evaluated. "Even intelligent men can develop biases, vested interests and distorted perceptions," he says.

Covered in the monograph, in addition to Morrill and Madison Colleges, are: Johnston College, University of Redlands; Fairhaven at Western Washington State College; University of Michigan's residential college; Callison College, University of the Pacific; New College, Sarasota, Fla.; and University of California, Santa Cruz.

THE EDITOR OF the volume, Dressel, argues that the seeds of decay in the new colleges are evidenced by: Difficulty in attracting students, flexibility turned to rigidity, student disenchantment with the residential aspect; faculty turnover and faculty retreat to more traditional programs.

Dressel candidly admits that colleagues, friends and contributors to the work may regard his views as "ungrateful and malicious," but he says his intent in promoting the book was to focus on the need for evaluation of the new colleges.

Taking exception to this view in a summation chapter is Warren Bryan Martin, coordinator of development for the center for research and Development in Higher Education at Berkeley, who evaluates the evaluators.

"Programs struggling to achieve a future orientation should not be judged by persons whose methodology requires concentration on a present measured by norms from the past," he says.

"A moratorium ought to be declared on appraisals of new colleges," he says.

Martin contends, "New colleges are fragile flowers trying to grow in hard and barren soil and, therefore, they deserve tender care and vigilant protection. Pulling them up periodically by the roots, arbitrarily and with external force, rather than letting them develop organically, is a crime against the future of higher education." -GAIL MORRIS

Science notes:

Huggins says 'the pill' can prevent cancer



Huggins: Preventing conception and cancer.
Photo by Robert Brown

A Nobel Prize winner who visited MSU earlier this month provided campus scientists with a good deal of information on his research and at the same time advanced a provocative opinion: The birth control pill has not caused human cancer; on the contrary, it has prevented it.

Charles B. Huggins of the University of Chicago, a co-winner of the 1966 Nobel Prize for work in physiology or medicine, said he thinks that birth control pills prevent breast cancer.

"So, whereas people took it (the pill) to prevent conception, they have also prevented cancer," Huggins said. He addressed students and faculty here, and conferred with MSU scientists Joseph Meites and Clifford W. Welsch.

"I believe with Professor Meites and Professor Welsch that steroid hormones and related hormones are at the center of the cancer problem: The cancer problem of plants and animals."

Normally, Huggins said, one of every 18 women will be expected to develop breast cancer during her expected 72 years of life.

* * *

WHAT DO MSU scientists think of Huggins' remarks about the pill?

"The thing that concerns me," said Welsch, an associate professor of anatomy, "is the long-term influence of birth control pill. What will be the breast cancer incidence in 20 to 30 years?"

Meites, professor of physiology, agrees that it is too early to tell about the effects of the pill.

"What Huggins said is absolutely right as far as it goes," Meites said. "The longest experience, as he mentioned, is 12 years in Puerto Rico, because that is where they started giving the pills. There is no evidence of any increase in breast cancer or any other kind of cancer."

Meites adds: "But the only way one will know for sure about this is over a long period of time. It may take at least 20 or even 30 years because breast cancer, like most cancers, is a disease of old age."

He said that may not appear until 30 years after the initial stimulus. "On the other hand, so far at least, there just isn't any evidence that it (the pill) might produce cancer in humans."

Meites emphasized that "if anybody in this world knows anything about cancer," Huggins is the man. "He has worked with human patients all his life," Meites said, "and he started out as a surgeon, a great surgeon. . . I don't know anyone who has more successfully applied the basic findings in laboratory animals to human subjects."

Nobel Laureate Huggins pointed out that estrogens (female sex hormones) have already been used by the caroloid; and there has been no epidemic of breast cancer in the women who have taken them."

Huggins expresses hope for the conquest of cancer. "I think what we'll see in the future," he said, "at a certain moment in life, is that the people, instead of taking just a vitamin in the morning, will take one vitamin pill and one hormone pill. And that will abolish cancer. This is the great hope."

—PHILLIP E. MILLER

Commission studies governance

Ombudsman James Rust and eight other academicians addressed the Carnegie Commission on Higher Education last week on campus governance models.

The two-day conference at the University of California at Berkeley also included discussion on what model, if any, would be better than the current model of governance.

The nine persons attending the conference included five current ombudsmen from the University of California at Irvine, San Diego State University, UCLA, Kent State University and MSU; three others have just completed terms of office as ombudsmen at Berkeley, Cornell and San Jose State. The ninth man was Ray Rowland, director of information services at St. Cloud State College in Minnesota; Rowland did his Ph.D. dissertation at MSU on the ombudsman role.

* * *

The current campus governance model was compared by the UCLA ombudsmen to a feudal system, with department chairman compared to petty dukes with their own fiefdoms, department members as "men-at-arms," and students as serfs.

Rust said there was a good deal of truth in the analogy, since universities did originate in the Middle Ages, but he thought the analogy was carried too far.

Two alternative models which were discussed were:

* One which may be coming out in pressure groups of the campus: Students, faculty, administrators, employees and the public. The question, Rust said, is what kind of organization would this be? It was compared to the United Nations.

* A municipal or city council model.

At UCLA, a university policy committee has been established representing (three each) students, faculty, administrators and employees. This advisory committee spent last year investigating the university's budget.

Rust reported on MSU's "upcoming experiment in student participation" and found that none of the other institutions

represented had quite so elaborate a mechanism for student participation.

Other topics discussed by the ombudsman were the judicial system (it was generally agreed that campuses are strong on executive and legislative branches but weak in the judicial area), and the need for internal review of governance systems.

Rust said he found the meeting beneficial because he learned of experiments on a variety of things being conducted at other universities. He concluded that there ought to be more participation in university governance, better organized and more accountable; and there should be more diversity in governance (i.e. every institution should not have the same model).

The problem he says, is the diffuseness of authority; who makes the decisions? At MSU decisions come from a range of levels, and "the student hardly knows what hits him; where a decision comes from."

* * *

The Carnegie Commission on Higher Education, chaired by Clark Kerr, former chancellor of the California state university system, has been in existence since December, 1968, and has completed nine reports. The report

Eustace declared 'historic place'

Eustace Hall, current home of the Honors College, has been placed on the National Register of Historic Places, Samuel A. Milstein, state liaison officer for historic preservation, has announced.

"The listing gives the hall a distinction beside other properties being preserved for their historic value throughout the country," Milstein said.

Eustace Hall was selected for the National Register because it was the nation's first laboratory building set up specifically for the study of horticulture. It was designed by Liberty Hyde Bailey, professor and world-renowned horticulturist at what was then Michigan Agricultural College.

topics range from levels of federal responsibility for higher education, to equal opportunity, medical education, and policies for future growth.

Commission members include the presidents of the Universities of North Carolina and Notre Dame, faculty from Yale, Howard, Princeton, Cambridge and Harvard Universities, the University of Michigan and the University of Illinois.

Education works

More than a dozen works published by the MSU Institute for International Studies in Education have been compiled for general sale.

Included in the listing are: "If I Should Die Before I Wake: The Nsukka Dream", a history of the University of Nigeria by Lewis and Margaret Zerby; "The University of the Philippines: External Assistance and Development" by Harry L. Case and Robert A. Bonnell; "Sokogakkai and Education" by Carl H. Gross; and "Self-Study as an Approach to Educational Planning in Thailand" by Raymond N. Hatch.

These publications and the complete listing may be obtained through the Institute for International Studies in Education.

Eustace Hall is a two-story, red brick building with a plain gabled roof. It looks fortress-like, with one gabled tower on its frontal exterior. In the front of the building, brick of a brighter shade forms a variegated pattern. The windows are all of plain trim and there is a large, round arch leading to the main entrance.

When the building was completed in 1888, it contained a classroom, laboratory, seed room, healing-in cellar, photographic darkroom, and an operating room for grafting. A greenhouse connected to the building was long since removed. When a new horticulture building was constructed in 1921, the old building remained in service as the home of the Basic College.

WMSB

THURSDAY, OCT. 28

7 p.m.—"La Revista" features news, music features in Spanish.

SUNDAY, OCT. 31

12:30 p.m.—Pulitzer Prize winner Shirley Ann Grau discusses her first novel in seven years on "Book Beat". 1:30 p.m.—Psychologists B. F. Skinner and D. M. McKay discuss "The Case Against Freedom" with William F. Buckley Jr. 4:30 p.m.—"Should children's television be free?" is debated on "The Advocates". 10:00 p.m.—"On Assignment" features a discussion of local issues and answers to questions phoned in by viewers. 11:00 p.m.—"Lemonade", the story of two matronly ladies selling lemonade at roadside stands, is the play on "Hollywood Television Theatre".

MONDAY, NOV. 1

7 p.m.—Lyman Frimodig discusses the new book, "Spartan Saga", on "Spartan Sportlite"

WKAR

SATURDAY, OCT. 30

1:15 p.m. (AM-FM)—MSU-Purdue football game from W. Lafayette, Ind. 7 p.m. (FM)—Classics by request (355-6540) on "Listener's Choice."

2 p.m. (AM-FM)—The Cleveland Orchestra features Song of the Nightingale by Stravinsky, La Mer by Debussy, Miraculous Mandarin Suite by Bartok. 4 p.m. (AM-FM)—Authors Tom Wolfe and John Cawelti, architect Norman Pfeiffer and art critic Franz Schulze discuss pop culture on "From the Midway".

MONDAY, NOV. 1

1 p.m. (AM)—Lt. Gen. George I. Forsythe, special assistant, Modern Volunteer Army, is the speaker at the Economic Club of Detroit.

TUESDAY, NOV. 2

8 p.m. (FM)—The Boston Symphony performs Bartok's Rumanian Folk Dances, Hindemith's Theme and Variations, Mozart's Divertimento, K. 287.

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First meeting is today

COGS: Trying to be strong, yet flexible

The Council of Graduate Students will hold its first meeting of the term today (Oct. 28) at 3 p.m. in Room 9 of the Human Ecology Building.

Most of the time since the last COGS meeting has been spent setting up

administrative procedures for nominating students to committees, according to William Greene, president. Now, he said, they hope to build a strong yet flexible organization.

Some of the goals for the year, Greene said, are to take a look at graduate

student housing (some of the options are not good enough, he said); to start a short newsletter for graduate students; and to form a liaison with ASMSU, the undergraduate student governing body, for cooperative ventures, to avoid duplication of services (such as loans,

insurance and other student welfare items).

But a major problem immediately facing COGS is the need to recruit students for representation on various University committees and councils. (News-Bulletin, Oct. 14).

COGS is supposed to nominate or name 29 students to University bodies under the Bylaws for University Governance, plus three to the University Graduate Judiciary. But, Greene says, there are vacancies for a total of nearly 90 students on all committees (including internal COGS committees) on which graduate students are represented.

Because of the difficulty in recruiting students for these positions, COGS has scratched some of the committees, and hopes to find a minimum of 60 students.

Other activities in which COGS is involved are:

- * A loan program established last year.
- * A plan to look at medical - health - accident insurance for graduate students.
- * Another look at graduate student remuneration, particularly in light of faculty salary increases. Graduate stipends are not rising at the same rate as faculty salaries, Greene said, and they should be 10 percent of the highest salary at the University. A quarter-time assistantship is \$1,600, he said, before taxes, and fees to the University are more than that.

Nothing is being done on the question of unionization, Greene said, though a survey a year ago showed 60 percent of the respondents in favor of collective bargaining for graduate students. If the faculty unionize, Greene said, it would be "mandatory for students to unionize to protect their interests."



Pre-game warmups . . .

. . . become more strenuous for Spartan Stadium groundskeepers when it rains. Before the more than 60,000 Homecoming spectators could set themselves in the rain to watch MSU and Iowa play in the rain last Saturday, the Tartan Turf had to be swept of excess water (top) . . . the tarp had to be removed (bottom) . . . among dozens of pre - and post - game tasks. The score: Spartans 34, Fumbles 15, Iowa 3.

—Photos by William Mitcham



On other campuses

FREE PARKING ASKED. Faculty at the University of New Mexico have adopted a resolution opposing a proposal that faculty and staff begin paying for parking. Annual rates in the proposed plan would be \$48 for faculty. In objecting to the paid parking plan, the New Mexico faculty compensation committee said, "We do not believe that faculty and staff should serve as a tax base for their employer, the university."

* * *

U-M TO OPEN CLUB. The dining room of the Michigan Union at the University of Michigan is scheduled to be closed on Nov. 24 and reopen on Nov. 30 as the University Club of Ann Arbor. The club, which has dining and bar facilities, is open to faculty, staff, students and alumni. The dues schedule is a graduated one, ranging from \$10 a year for students to \$40 for full professors, local alumni and staff members whose salaries exceed \$14,000.

* * *

EARLY RETIREMENT? The Board of Regents at the University of Minnesota is considering adoption of an early retirement plan on a five-year trial basis. It would allow retirement at age 62 with the same payments an individual would have received if he retired at 65.

* * *

NONRESIDENT DEGREE PLANNED. Cornell University is planning to offer a new program for "academically qualified residents who are not of normal college age or status." The participants would enroll as part-time students in the College of Arts and Sciences. Faculty in the college passed a new regulation waiving, "in the case of adult area residents only," the requirement that degree candidates must have at least two years' residence as full-time students in the college.

* * *

U-GRAD STUDY AT WISCONSIN. A 16-member faculty-student Committee on Undergraduate Education has been appointed at the University of Wisconsin-Madison. Chancellor Edwin Young said the committee would consider a number of innovations, such as "the place of extramural credit work in the teaching program, opportunities for easier leaves of absence for students, feasibility and appropriateness of a reduction in the current four-year program for a bachelor's degree . . ."

* * *

CATCHING DOGS. Four part-time dog catchers are now patrolling the campus of the State University of New York at Buffalo. According to the director of environmental health and safety at SUNY/Buffalo, an increasing dog population is posing serious health and safety problems on the campus. There have been recorded cases of unprovoked dog attacks on students, faculty and staff members.

* * *

OMBUDSMAN AT U-M. The regents at the University of Michigan have approved in principle the creation of the post of ombudsman for U-M students. Actual creation of position is unsettled "until such time as funding is possible."

E.L. housing recommendations . . .

(Concluded from page 1)

committee reported. Although the University employs fewer faculty than staff, a higher proportion of faculty than staff live in East Lansing. And as the rank of the faculty increases, the proportion within East Lansing increases.

The committee further found that faculty and staff residences are widely dispersed throughout the community; that groupings of MSU employees with similar salary ranges occur in neighborhoods; that there is a correlation between income levels and value of housing; and that faculty and a staff in higher income ranges tend not to live in areas of major rooming-house (and thus student) concentrations.

Since 60 percent of MSU faculty and staff and 85 percent of East Lansing City employees live outside the city, the committee suggested a possible gap exists between the supply of housing at various cost levels and the demand for such housing.

* * *

BASED UPON THESE studies of the history, supply and market (more detail is provided in the report which is available for free study in the city and MSU libraries, or from the city clerk for \$2.), the committee made the following recommendations:

That the East Lansing City Council:

1 - Establish a City Housing Commission to continually review the housing situation and to make recommendations to the City Council. The review would include investigating possibilities for low-cost rental housing programs; private-sector incentives for such construction; overseeing application of existing housing ordinances; studying neighborhood preservation and making recommendations on housing and building codes; and the encouraging construction of housing types. The commission would include representatives from MSU, city government, rental property owners, tenants, homeowners and the elderly.

2 - Establish licensing procedures for all rental property to regulate density of

use based on interior and exterior standards. Control of licenses and enforcement of standards would be the responsibility of an individual who would work in liaison with the Housing Commission.

3 - Require that licensing procedures include the stipulation that all rental property titleholders be registered in the Register of Deeds Office to obtain a license.

4 - Modify existing codes and

Black series

opens on TV

Randy quickly swung the camera around. Camera two moved in for a profile shot. The second shot was going well. There were no problems with audio this time.

The students were pleased.

The TV studio on the MSU campus is a long way from the streets of Detroit and other cities throughout the U.S. And their own initiative had brought them here.

A year ago these eight undergraduates, most of whom are nonbroadcast majors, started to train themselves in all forms of media through the Black United Front and the College of Communication Arts.

Under the direction of black students majoring in radio and television these students spent the summer learning the mechanics of television production and cooperatively they produced two pilot shows.

Last Tuesday (Oct. 26) from 7 to 7:30 p.m. their first television program, an analysis of the black drug problem, was broadcast on WMSB, Channel 10. It was the first program in a 10-week series, "Perspectives in Black," which is produced and staffed by the black students. Programs will be aired Tuesdays at 7 and repeated Saturdays at 1 p.m.

Faculty, staff may join some student organizations

Faculty and staff may participate in student organizations and are welcomed to join certain organizations, according to Lana Dart, assistant director of student activities.

All student organizations must register each fall term under regulations for student groups in the Academic

Luncheon set

for MSU widows

Mrs. Clifton R. Wharton, Jr. today (Oct. 28) will honor all wives of former faculty members whose formal ties with MSU have been severed through the death of their spouses.

More than 60 faculty widows from throughout Michigan are expected to attend a 12:30 p.m. luncheon and reception at Cowles House.

Among the guests will be 90-year-old Mrs. Marjorie Hobbs whose late husband was a professor in MSU's engineering department.

Mrs. Wharton says that the response has been particularly gratifying since it was difficult to locate many persons. Several departments and individuals across campus were contacted, and Mrs. Wharton gathered additional information from chats with some of the widows.

Freedom Report. The same regulations stipulate that faculty and staff may participate in student organizations but may not hold office or vote.

Student organizations range widely from professional and honorary groups (which are excepted from the voting and officer rule), to religious recreational, educational, social and political reform, academic interests, international interests, veterans groups, theater, ecological groups, etc. Last year 353 groups were registered Miss Dart said.

Students (and faculty and staff) can participate in such recreational clubs as flying, cycling, golf, folklore, karate, Japanese swordsmanship and chess; or such political organizations as Zero Population Growth, Women's Liberation, Students for a Democratic Society, etc.

Student organizations are no longer required to have faculty advisers, though the honoraries, professional groups and religious groups still usually have advisers, as do some academic interest groups.

Miss Dart suggested that faculty and staff interested in joining any student organizations can either attend a meeting or may call her office to get names of the group's officers.

ordinances to insure required maintenance levels and change the definition of family and number of roomers permitted. (This relates to the problem of students seeking lower rental housing, thus occupying structures defined and zoned as single-family dwellings.)

5 - Increase complaint responsiveness through systematic annual inspection to insure that licensing procedures are being enforced.

6 - Take the initiative to establish a body representing the University and the city to coordinate University and city housing policies.

Recommendations to the University included:

1 - That the Board of Trustees establish channels through which it can monitor impacts of the University and its members upon the East Lansing community.

2 - That the University administration establish effective communication channels for liaison with the city government.

3 - That the faculty government establish an appropriate agency, such as a standing committee, to deal with the housing issue.

Council agendas . . .

(Concluded from page 1)

The steering committee expressed doubt that the grievance procedures would be fully considered and approved by the EFC in the time allotted, so it is doubtful that the proposal will go to the Academic Council this week. A progress report may be made, however.

ALSOON THE EFC agenda will be a report from Herbert Jackson, professor of religion and chairman of an ad hoc committee to study collective bargaining.

Jackson and his committee have been meeting 9 to 12 hours a week since spring, and have conducted hearings, corresponded with other universities, attended the University of Michigan "Faculty Power" conference and met with faculty who have chaired key committees here.

Jackson told the steering committee that his group is almost ready to conclude the "research period" of its charge, but, he added he is "overwhelmed by the task still before us."

He said he hopes to have a written report to present to the EFC at its Jan. 11, 1972 meeting. He reminded the steering committee that his group was not charged to take a position on collective bargaining.

But, he said, information available boils down to opinion, since experience with in higher education has been so scarce. The report, Jackson said, will point out key issues and concerns and the essence of pro and con judgments.

EPC urges end to 0.5 grade

The Educational Policies Committee will recommend to the Academic Council next week that the 0.5 grade be eliminated from the grading system.

The recommendation will accompany a second proposal to eliminate the 4.5 grade (News-Bulletin, Oct. 21), but the two are separate actions.

Rationale for eliminating the 0.5 grade, according to W.D. Collings, professor of physiology and EPC chairman, is that the grade may work hardship on some students, and it can be misused by faculty.

The problem is that the 0.5 grade indicates partial failing; but can a student "partially fail"? And, Collings

4 - That faculty participate within their communities by offering their expertise in problem solution.

5 - That the University publish a pamphlet similar to that now published on dormitories, faculty and married student housing. The pamphlet would include rights and responsibilities of students living off campus.

Recommendations also encouraged students to participate within their communities, and to have ASMSU establish a liaison committee for communication.

The committee could not make mandatory responsibilities on rental property owners, but did ask them to consider certain responsibilities relating to problems of density, leases, ordinance enforcement, maintenance, parking, security deposits. Tenants were asked to seek information, cooperate with licensing, inspection, etc., and participate in the community.

And real estate brokers were asked to inform prospective buyers of conditions and regulations under which property is to be used, to inform buyers of licensing requirements, and cooperate with the city in its goals.

-BEVERLY TWITCHELL

"If we don't function with a report fairly quickly, it may be too late," Jackson said, referring to renewed efforts to obtain election authorization cards from the faculty.

* * *

A THIRD ITEM for the EFC will be a motion from the steering committee to affiliate with the Association of Michigan Collegiate Faculties (News-Bulletin, May 13, 1971), with a second motion to establish a committee to discuss appropriate procedures for financing membership in the organization (Dues for MSU would be \$750, and this money cannot come from the University's general fund.)

* * *

THE ACADEMIC COUNCIL will hear a status report on student implementation from the combined forces of Glenn L. Waxler, professor of physiology and chairman of the Committee on Committees, Mark Bathurst, student member of the steering committee and chairman of the Student Committee on Nominations, and Louis Hekhuis, associate dean of students and chairman of the implementation coordinating committee.

Two separate motions from the University Educational Policies Committee will be presented, both pertaining to revision of the grading system. EPC will ask the Council to eliminate the 4.5 (News-Bulletin, Oct. 21) and the .5 grades (see related story).

asked, does the 0.5 grade really indicate a level of achievement?

EPC feels that this is not a proper way to indicate a level of achievement, he said.

Elimination of the 4.5 grade was proposed for very different reasons, including its apparent inflationary effect on overall grade-point averages and the apparent detrimental effect on students applying to graduate and professional programs where some schools equate the 4.5 with the 4.0.

But like the 0.5 grade, the EPC feels the 4.5 grade has been misused by faculty, primarily through indiscriminate or overuse.

November: Lots to do

- 1—Broadway Theatre: "The Me Nobody Knows" 8:15 p.m., Auditorium.
- 2—Lecture-Concert ("A"): First Moog Quartet, 8:15 p.m., Auditorium 5—Concert: Chamber Orchestra, 8:15 p.m., Music Auditorium.
- 6—PAC Children's Theatre: "The Boy Who Cried Wolf is Dead" 20 a.m., 1 and 3 p.m., Arena Theatre.
- World Travel: "Africa Camera Safari" 8 p.m., Auditorium.
- 7—PAC Children's Theatre: 2 & 4 p.m., Arena Theatre.
- Concert: Richards Quintet, 8:15 p.m., Music Auditorium. 8—Faculty recital: Violinist Walter Verdehr, 8:15 p.m., Music Auditorium.
- 9—Faculty recital: Pianist David Renner, 8:15 p.m., Music Auditorium.
- 10—PAC: "Rosencrantz and Guildenstern are Dead" 8:15 p.m., Fairchild.
- 11—Concert: Wind Ensemble, 8:15 p.m., Music Auditorium.
- PAC: 8:15 p.m., Fairchild
- 12—PAC, 8:15 p.m., Fairchild
- 13—PAC Children's Theatre: 10 a.m., 1 and 3 p.m., Arena Theatre.
- PAC, 8:15 p.m., Fairchild.
- 14—PAC Children's Theatre, 2 and 4 p.m., Arena Theatre.
- PAC: 8:15 p.m., Fairchild.
- 15—Benefit Concert: MSU Symphony Orchestra, 8:15 p.m., Fairchild.
- 16—Benefit Concert: MSU Symphony Orchestra, 8:15 p.m., Fairchild.
- 17—University Cinema: "The Henry Miller Odyssey" 7:30 and 9:30 p.m., Auditorium.
- 18—Lecture-Concert ("B"): Budapest Symphony Orchestra, 8:15 p.m., Auditorium.
- 19—Broadway Theatre: "You're a Good Man, Charlie Brown," 8:15 p.m., Auditorium.
- Opera Workshop: "Amahl and the Night Visitors" 8:15 p.m., Music Auditorium.
- 20—PAC Children's Theatre: 10 a.m., 1 and 3 p.m., Arena Theatre.
- World Travel: "There Will Always be an England" 8 p.m., Auditorium.
- Opera Workshop, 8:15 p.m., Music Auditorium.
- 21—PAC Children's Theatre, 2 and 4 p.m., Arena Theatre.
- Opera Workshop, 4 p.m., Music Auditorium.
- World Travel—"Afghanistan" 4 p.m., Auditorium.
- 22—Concert: Beaumont String Quartet, 8:15 p.m., Music Auditorium.
- 23—Chamber Music: Harpsichordist Ralph Kirkpatrick, 8:15 p.m., Fairchild.
- 24—Lecture-Concert ("B"): Sierra Leone National Dance Troupe, 8:15 p.m., Auditorium.
- 29—Lecture-Concert ("A"): Pianist Alexis Weissenberg, 8:15 p.m., Auditorium.
- Faculty recital: Douglas Campbell, French horn, 8:15 p.m., Music Auditorium.
- 30—Broadway Theatre: "Butterflies are Free" 8:15 p.m., Auditorium.
- Concert: University Chorale, 8:15 p.m., Music Auditorium.

WKAR audience exceeds 365,000

An audience study of MSU's radio WKAR reveals that the station has about 365,000 listeners on AM and FM. The survey was conducted in November and December of 1970 by Thomas F. Baldwin, associate professor of communication and TV-radio.

The daily news audience is estimated at over 91,000, the survey shows. A "soul" program of black-oriented music and information reaches an estimated 22,000 listeners per week.

The WKAR audience may be characterized as mature (83 percent over 30 years of age), well-educated (45 percent with college or postgraduate experience), and about evenly divided between women and men, with women having a slight edge.

Baldwin found that WKAR is best known for its discussion and information programs. Also popular are sports, farm information, news and music concerts.

News programs on WKAR were found to have a regular audience, with over 40 percent of the news listeners tuning in

daily, and 84 percent at least two or three times a week.

The news listeners again tend to be older, well-educated people with a strong interest in radio news interviews with authorities and newsmakers, the survey indicated. Actually, over half of WKAR listeners listen to news.

* * *

THE SURVEY FOUND the WKAR music audience to be the most varied. The music audience is generally older, perhaps due to the contemporary

Tickets still available

Tickets for faculty and staff are still available for the MSU Symphony Orchestra's first concert Nov. 15 and 16 at 8:15 p.m. in Fairchild Theater. Proceeds from the concert will go for the Symphony Orchestra Scholarship Fund. Tickets, at \$2.50 each, are available from the Union Ticket Office or by sending name, address and check to Symphony Orchestra, Music Department, Campus.

Chest report

MSU's Campus Community Chest drive is at 52.4 percent of its goal, according to reports made this week. Pledges totaling \$105,891.89 have been received after about three weeks of the campaign. MSU's goal is \$202,000.

Art exhibit

A 2 to 4 p.m. reception is scheduled Sunday (Oct. 31) for the opening of a month-long exhibit at the East Lansing City Hall sponsored by the East Lansing Fine Arts Council. The exhibit includes watercolors by Sam Knecht, an MSU graduate, plus a display of works of macrame. It can be seen weekdays, 8 a.m. to 5 p.m. until Dec. 15.

Spartan Saga goes on sale

"SPARTAN SAGA," a comprehensive history of Michigan State athletics, is off the press and ready for sale.

The book is coauthored by Lyman Frimodig, retired business manager of athletics and MSU's all-time top athletic letterwinner with 10, and Sports Information Director Fred Stabley.

FA to meet

The MSU Faculty Associates Task Force will hold an open meeting 4 p.m. Wednesday, Nov. 3, in the Union Green Room to launch its unionization campaign.

"SPARTAN SAGE" contains nearly 150 pictures, separate chapters on every sport and a detailed chronology in its 264 pages. But it also is an encyclopedia, with such features as all-time event scores in every sport, all-time letterwinners, All-Americans, Olympic participants, NCAA, NAAU, Big Ten, IC4A and other champions and statistical leaders.

Proceeds go to the Ralph H. Young Scholarship Fund which extends financial aid to athletes. The book may be purchased by sending a check or money order for \$3.95, made payable to Michigan State University, to the Sports Information Office, 109 Agriculture Hall, MSU.

Foreign student enrollment shows a slight decrease

Approximately 1,100 foreign students, a slight decrease from last year's figure of 1,200, are enrolled here this term, according to MSU's foreign student adviser.

August Benson reports that the students represent 80 countries and most of them (85 per cent) are pursuing graduate studies.

Accounting for half the decline in numbers is a smaller enrollment in the English Language Center, Benson says. Foreign students attend the center for intensive training in English before attending other higher education institutions across the nation.

Benson adds that there are also fewer enrollees from Canada, India and Turkey.

Homer Higbee, assistant dean for education exchange in International Studies and Programs, explains, "The shifting enrollment patterns are whimsical and one can only offer intelligent guesses regarding the reasons for changes."

He speculates that the number of Canadian students dropped from 151 to 115 as the result of a concentrated effort on the part of the Canadian government

to encourage their students to return to Canada.

Higbee notes that there appears to be a growing nationalism with regards to education in Canada which could conceivably be affecting the number of Canadian students at Michigan State.

Higbee also hypothesizes that the number of Indian students has decreased from 91 to 74 as the result of a lack of funds.

"Indian students are usually in the sciences," he says, "and one of the factors here is the cutback in funds from the government, foundations and other organizations."

The decline in Turkish students (from 65 to 45) Higbee attributes partially to the termination of formal MSU projects in Turkey which provide for the exchange of students.

He explains the presence of MSU assistance projects in Thailand may also partly explain the 10 per cent increase in Thai students.

Higbee states, "I personally feel MSU has reached its natural limits in terms of money and departmental balance in the number of foreign students it can handle.

"Unless something happens in the area of support, I predict we will probably vary between 1,100 and 1,200 in years to come."

—BARBARA MCINTOSH

Wharton trip dates are set

President Wharton will leave East Lansing Dec. 8 for a four-week lecture visit to Asia.

As announced last month, Wharton has been invited by the United Board for Christian Higher Education in Asia to deliver lectures at colleges and universities in Korea, Japan, Taiwan and the Philippines.

His trip will coincide with the break between MSU's fall and winter terms. He will return to the campus by the beginning of winter term, Jan. 5. He will be accompanied on the trip by Mrs. Wharton and their son, Bruce, 12.

A guide to Nov. 2 elections in East Lansing, Meridian

EAST LANSING

The candidates for City Council (elect three): Duane Bone, Wilbur Brookover; George Colburn, George Griffiths, Charles Max Phillips and Gordon Thomas. Write-in candidates: Chuck Will and Mickey.

The polling places: Precinct 1—Spartan Village School, 1460 Middlevale; Precinct 2—Red Cedar School, Sever Drive; Precinct 3—Union Ballroom, Union Building; Precinct 4—Central School, 325 W. Grand River; Precinct 5—Glencairn School, 939 N. Harrison Road; Precinct 6—Hannah Middle School, 819 Abbott Road; Precinct 7—Hannah Middle School; Precinct 8—Bailey School, 300 Bailey Street; Precinct 9—Edgewood United Church, 469 N. Hagadorn Rd.; Precinct 10—MacDonald Middle School, 1601 Burcham Drive; Precinct 11—St. Thomas Aquinas School, 915 Alton Road; Precinct 12—Whitehills School, 621 Pebblebrook Lane; Precinct 13—Eastminster Presbyterian Church, 1315 Abbott Road; Precinct 14—Pinecrest School, 1811 Pinecrest Drive. (Polls are open from 7 a.m. to 8 p.m.).

MERIDIAN TOWNSHIP

The charter proposition: "Shall the proposed charter for the city of Meridian Park drafted by the charter commission elected Nov. 4, 1969, be approved?"

The candidates: Mayor—Gary Parks, John Whitmyer, Douglas Federau, Daniel Balog, Donald DeNike and James Vignola. Councilmen at large (elect three)—John Roetman, Rodney Hagenbuch, J. James Wies, Robert Hotaling. Councilman, Ward 1 (elect one)—Lois Blackburn, Kenneth Rundel, Harold Joy. Councilman, Ward 2 (elect one)—David Cole, William Carlyon, Steven Thomas, Charles Gaa. Councilman, Ward 3 (elect one)—James VandeBunte, Leon Weaver.

The polling places: Precinct 1—Haslett Junior High School, Franklin Street; Precinct 2—Haslett Junior High; Precinct 3—Murphy Elementary School, Lake Lansing Road; Precinct 4—Donley School, Hagadorn Road at Lake Lansing Road; Precinct 5—Wardcliff School, Wardcliff Drive; Precinct 6—Okemos Central School, Mt. Hope Road at Okemos Road; Precinct 7—Kinawa Middle School, between Okemos and Dobie Roads; Precinct 8—Cornell School, Cornell Road; Precinct 9—Okemos Library, 2142 Clinton St.; Precinct 10—Okemos Central School. (Polls are open from 7 a.m. to 8 p.m.).

BULLETINS

CREATIVE WRITERS MEET The Faculty Folk Creative Writers will meet at 1:14 p.m. Wednesday, Nov. 3, at the home of Sharon Bertsch, 228 Orchard, E.L. Readers will be Donna Paananen and Diana Higgs. New members are always welcome and interested persons may call Mrs. Paananen at 332-6711.

EXT. WOMEN'S CLUB The Extension Women's Club will meet at 1:30 p.m. Thursday, Nov. 4, at the home of Mrs. William Meggitt, 2019 Pawnee Trail, Okemos (Tacoma Hills). Carol Gadsden will demonstrate "Holiday Flower Arranging."

EXHIBITIONS

Kresge Art Center

Main Gallery: Works from the permanent collection.

Entrance and North Galleries, Oct. 30-Nov. 21: Paolo Soleri, Visionary Architect. Photographic panels covering twenty years of architectural concepts by one of the most provocative environmental designers living today; organized by the Corcoran Gallery, Washington, D.C. and sponsored by the Prudential Insurance Company of America.

Campus Plantings

The living tapestry of Veitch ivy on the west walls of Wells Hall is now at peak idensity.

Beal Garden

The Sourwood tree north of the Library is now displaying its famed autumn color.

Hidden Lake Gardens Tipton, Michigan

Five miles of marked hiking trails and more than six miles of paved drive are open to the public. Woodlands, water, and wildlife are year around features. Open daily 8 a.m. until sundown.

CONFERENCES

Oct. 29-30 Women Police of Michigan
Oct. 30-31 Lyon Healy Harp Repair & Regulation Workshop
Oct. 31 Seminar for College & University Leaders in Continuing Education
Oct. 31 Mich. Tel-Floral Unit

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 Conference, 5-4590.

SEMINARS

FRIDAY, OCTOBER 29, 1971

A resolution of the clock paradox. **Mendel Sachs**, Suny, Buffalo, 4:10 p.m., 221 Physics-Astronomy (Physics).

Recent developments in the alkali-metal problem. **A.W. Overhauser**, Scientific Research Staff, Ford Motor Co. 4:10 p.m., 221 Physics-Astronomy (Physics).

Asymptotically efficient stochastic approximation; the RM case. **Vaclav Fabian**, 4:10 p.m., 405A Wells Hall (Statistics & Probability).

MONDAY, NOVEMBER 1, 1971

Plant chronometry: the rhythm method or an egg timer. **Roderick King**, 4:10 p.m., 101 Biochemistry (AEC Plant Research Lab).

Mechanical properties of connective fibers. **R.W. Little**, 2 p.m., 222 Engineering (Biomedical Engineering).

Present and future milking systems. **Dennis Armstrong**, 12:30 p.m., 126 Anthony Hall (Dairy Science).

Relation of renal hemodynamics to angiotensin II in renal hilar lymph of the dog. **Rodger D. Outzenhiser**, 4 p.m., 146 Giltner Hall (Physiology).

The horse industry. **Jack Fries**, D.V.M. and **Robert Huff**, Durand, 3 p.m., 131 Anthony Hall (Poultry Science).

WEDNESDAY, NOVEMBER 3, 1971

Spore germination: natural non-nutritional stimulants & inhibitors. **Ken Damann**, 4:10 p.m., 168 Plant Biology Lab (Botany & Plant Pathology).

Model ecosystems for the study of pesticide biodegradability. **Robert Metcalf**, Dept. of Entomology, U. of Illinois. 10 a.m., 244 Natural Science (Entomology).

Evolution by gene duplication. **Susumu Ohno**, City of Hope Nat'l Medical Center. 4 p.m., 106 Plant Biology (Genetics).

TUESDAY, NOVEMBER 2, 1971

Patents, patent law and licensing—a survey for engineering and science majors. **James W. Badie**, Watson, Leavenworth, Kelton and Taggart, N.Y. City, 4 p.m., 284 Engineering Bldg. (Chemical Engineering).

Some researches on the borderline of inorganic and organic chemistry. **John C. Bailar Jr.**, U. of Illinois. 4 p.m., 136 Chemistry (Chemistry).

Environmental conditions for the production of staphylococcal enterotoxin. **Dale Scheusner**, 4:10 p.m., 110 Anthony Hall (Food Science & Human Nutrition).

Plant breeders rights. A report on recent discussions in Europe. **John Carew**, 4 p.m., 206 Horticulture (Horticulture).

ERIC, what it is and how to use it. **Jon L. Higgins**, Ohio State U., 4 p.m., 304A Wells Hall (Mathematics Education).

Rationale for university-wide commitment to assessment of the impact of technology on social values. **D.J. Montgomery**, 4:10 p.m., 312 Engineering Bldg. (Metallurgy, Mechanics & Materials Science).

Maintenance energy and starvation survival of *rhodospirillum rubrum*. **Jerald Ensign**, Department of Bacteriology, U. of Wisconsin. 4:10 p.m., 146 Giltner (Microbiology & Public Health).

THURSDAY, NOVEMBER 4, 1971

Enzyme induction by adrenal steroid hormones. **Ronald Desrosiers**, 4 p.m., 101 Biochemistry (Biochemistry).

Figures of the past in plant breeding. **J.E. Grafius**, 4 p.m., 109 S. Kedzie (Crop and Soil Sciences).

The theory of high order derivatives and some of its applications. **Y. Nakai**, Northern Illinois. 4:10 p.m., 304A Wells Hall (Mathematics).

Compensatory cardiovascular adjustments to acute and chronic hypotension. **Donald DuCharme**, Div. of Cardiovascular Diseases, Upjohn Co. 4 p.m., B-449 Life Science I (Pharmacology).

Anomalous conductivity in solids. **M.P. Shaw**, Dept. of Electrical Engr., Wayne State U. 4:10 p.m., 221 Physics-Astronomy (Physics).

FRIDAY, NOVEMBER 5, 1971

The power of consumers: research and policy implications. **E. Scott Meynes**, Visiting Professor (currently at U. of California, Berkeley). 3:30 p.m., 16 Agriculture Hall (Agricultural Economics).

Population studies of human glutamic-oxaloacetic transaminase. **Emanuel Hackel**, 3 p.m., 204 Natural Science (Zoology).

Information on MSU events may be submitted, for possible inclusion in the bulletins, to Sue Smith, 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 an 8-day period, Friday through Saturday.

Friday, October 29, 1971

- 7 p.m. New Players—For its first major program of the year, the student organization will present the University of Michigan's production of "The Killing of Sister George." Tickets available at the door. Union Ballroom.
- 8 p.m. Planetarium Program—"Astrology and the Zodiac" explores the ancient art of astrology and the 12 constellations of the Zodiac. Admission is \$1 for adults; 75 cents for children 5-12. Last weekend. Abrams.
- 8:15 p.m. Lecture-Concert Series ("A")—Pianist Garrick Ohlsson, first prize winner of the 1970 Chopin International Piano Competition in Warsaw, will make his first MSU appearance. He is currently on a two-continent tour with more than 65 performances scheduled. Auditorium.
- 8:15 p.m. Faculty Recital—Organist Corliss Arnold will perform. Hart Recital Hall.
- 10 p.m. Planetarium Program (see above). Abrams.
- 10 p.m. New Players (see above). Union Ballroom.

Saturday, October 30, 1971

- 10 a.m. Cross Country—MSU vs. Indiana.
- 10 a.m. Performing Arts Company (PAC)—A special Children's Theatre production, "The Boy Who Cried Wolf is Dead," will take on a new twist—the children in the audience will be asked to take part in the play, first as villagers and later as sheep. Actors trained in improvisational techniques will PAC (see above). Arena Theatre.
- 1 p.m. Soccer—MSU vs. Akron.
- 1:30 p.m. Soccer—MSU vs. Akron.
- 3 p.m. PAC (see above). Arena Theatre.
- 8 p.m. Planetarium Program (see Oct. 29). Abrams.
- 8 p.m. World Travel Series—"High Adventures in Exploration" is produced and narrated by Capt. Finn Ronne. Tickets available at the door. Auditorium.
- 8 p.m. New Players (see Oct. 29). Union Ballroom.
- 10 p.m. Planetarium Program (see Oct. 29). Abrams.

Sunday, October 31, 1971

- 2 p.m. PAC Children's Play (see Oct. 30). Arena Theatre.
- 4 p.m. PAC Children's Play (see Oct. 30). Arena Theatre.
- 4 p.m. Planetarium Program (see Oct. 29). Abrams.
- 4 p.m. Graduate Recital—Clarinetist Dean Turner will perform. Music Aud.

Monday, November 1, 1971

- 4:10 p.m. Honors College Lecture Series—Stephen Toulmin will discuss "Science and Aesthetics." 108B Wells Hall.
- 8:15 p.m. Broadway Theatre Series—"The Me Nobody Knows," a vibrant musical, includes a montage of poems and stories written by ghetto children. The play, first production in the new series, was chosen the Best Musical of 1971 by the New York Drama Critics Award Poll. Auditorium.

Tuesday, November 2, 1971

- noon University Club Luncheon—Guest speaker will be Albert Ravenholt, AUFS lecturer, on "Corruption in Asia—Its Effects on Development."
- 2 p.m. Elected Faculty Council meeting. Con Con Rm., Int'l Ctr.
- 3:15 p.m. Academic Council meeting. Con Con Rm., Int'l Ctr.
- 8:15 p.m. Lecture-Concert Series ("A")—Gershon Kingsley's First Moog Quartet will present a multi-media show featuring four Moog synthesizers, backed with live instruments and voices. Auditorium.

Thursday, November 4, 1971

- 8 p.m. Planetarium Program—"A.R.C. 71," for the second year, carefully integrates live rock music and lighting effects by the Eye See the Light Show Company. Advance Tickets, \$2, are available at the Union Ticket Ofc. or Abrams Planetarium.
- 10 p.m. Planetarium Program (see above). Abrams.

Friday, November 5, 1971

- 8 p.m. Planetarium Program (see Nov. 4). Abrams.
- 8:15 p.m. Concert—The Chamber Orchestra. Music Aud.
- 10 p.m. Planetarium Program (see Nov. 4). Abrams.

Saturday, November 6, 1971

- 10 a.m. PAC Children's Play (see Oct. 30). Arena Theatre.
- 1 p.m. PAC Children's Play (see Oct. 30). Arena Theatre.
- 3 p.m. PAC Children's Play (see Oct. 30). Arena Theatre.
- 8 p.m. Planetarium Program (see Nov. 4). Abrams.
- 8 p.m. World Travel Series—"Africa Camera Safari" is produced and narrated by John D. Craig. Tickets available at the door. Auditorium.
- 10 p.m. Planetarium Program (see Nov. 4). Abrams.

BULLETINS

OPENING EXHIBIT

You are cordially invited to an opening in the Kresge Art Center Gallery, 2-5 p.m., Sunday, Oct. 31, for the Paolo Soleri, Visionary Architect exhibition. Refreshments will be served and Soleri will be present at the opening. He will also give a talk on his architectural concepts in Fairchild Theatre at 7:30 p.m., Sunday. The public is invited.

GAMUT HAS DEBATE

This Saturday Gamut will present "Campaign '71," an interview and discussion with the six ballot candidates for the East Lansing city council. Gamut, a production of the MSU Broadcaster's Guild, can be seen at 11:30 a.m. Saturdays on WMSB-TV, Channel 10.

NEW PLAYERS RETURN

"The Killing of Sister George" will be presented in the Union Ballroom at 7 and 10 p.m., Friday, Oct. 29, and at 8 p.m. Saturday and Sunday, Oct. 30-31. The U-M Actors Guild production is being presented by the MSU New Players. Tickets will be available at the door.

CAMPUS TOUR—ON FOOT

A second walking tour of the proposed cross campus highway route will begin at 2 p.m. Saturday, Oct. 30. The tour will be led by a group of interested faculty and will start at the Grand Trunk Railroad crossing on Hagadorn Road. For more information, call Robert Victor, 5-4673, or Paul Risk, 3-5190.

MOVE THE MAIL

The Messenger Service would like to remind all employees that campus mail should include the department name in the address. Also, mail going off-campus should contain the department name in the return address.

PAC TICKETS

Season coupon holders for Performing Arts Company Arena Theatre productions may redeem up to four coupons for the children's play now showing. The current play is "The Boy Who Cried Wolf is Dead" (see calendar).

MICH. BOTANICAL CLUB

The Red Cedar Chapter of the Michigan Botanical Club will meet at 7:30 p.m. Tuesday, Nov. 2, in 204 Horticulture. Guest lecturer will be Louis Brand speaking on "Photography—2 inches to 238,000 miles."

VOLUNTEERS NEEDED

Faculty and staff volunteers are still needed for a new volunteer program to serve the youth of the west side of Lansing. It will begin as a tutorial, offering help to children who are bused outside their community with school work and individualized instruction for those who want and need it. Dedicated volunteers who enjoy working with children are needed to help in the planning stages. The program will serve primarily the black community and black volunteers are especially welcome. If interested, contact Betty Washington or Church Rivers at the Office of Volunteer Programs, 27 Student Services Bldg., phone 3-4400.