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Searching goes on for three deans

Searches are still on in three colleges for new deans, but the hunt has not begun for a new vice president for student affairs.

The James Madison College search committee, established earlier this term, is in beginning stages but still hopes to submit a list of candidates to the provost by January, 1972.

Chaired by Chitra Smith, associate professor in Madison College, the search committee is now soliciting nominations from all students and faculty in the college. The committee is in no way abdicating its responsibility for judgment, Mrs. Smith said, but wishes to insure broad participation.

The committee also plans to hold an open "town meeting," in "Madisonian" fashion, Mrs. Smith said, to

include faculty and students in a discussion on what an ideal dean would be like.

Once nominations are solicited, the committee will narrow the list, gather data on their remaining names, conduct interviews and submit from three to five names to the provost.

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EDUCATION IS NEARING the end of its search. Lee Shulman, professor, and chairman of that search committee, said the group is still interviewing candidates and hopes to make a recommendation to the provost by the end of this term.

Six candidates have so far been interviewed, Shulman said, and at least one more interview is scheduled, though there may be more.

The education search committee was established in April.

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THE HUMAN ECOLOGY search committee has been working for about 18 months. An original slate of three names was submitted to the provost a year ago, but he has asked the committee to submit two more names to him, according to Assistant Provost Dorothy Arata, chairman of the human ecology search committee.

Miss Arata said the committee is reconsidering names from the list of nominations previously gathered but will also accept new nominations. No deadline has been set.

The rating committee for the vice president for student affairs has not yet been named, though nominations have been submitted to President Wharton.

EFC OKs five grievance amendments, will resume deliberations Nov. 23

The Elected Faculty Council (EFC) will continue consideration of the proposed faculty grievance procedures Tuesday, Nov. 23, at 3 p.m. in the Con Con Room of the Center for International Programs.

The EFC met Tuesday (Nov. 9) and approved five amendments to the document but did not conclude its consideration.

The five amendments were:

*To delete all of Section 3.3.3. and the reference to 3.3.3. in Section 3.3.2. Section 3.3.3. states that "Judicial Boards shall not hear appeals concerning substantive decisions made by or

according to the recommendations of a body of democratically elected peers or a body appointed or procedures approved according to democratically established department or college bylaws."

The deletion was proposed by C. Keith Grotz, acting director of labor and industrial relations. The section implied, Grotz said, that "a democratically elected body is never wrong and is above review." All decisions deserve review, he said.

*Section 2.5.1. of the document was amended to allow an unlimited number of challenges for cause in addition to two

peremptory challenges in the selection of the seven-member Judicial Board. This amendment was proposed by Hendrik Zwarensteijn, professor of business law and office administration.

*Section 1.3. of the document was amended to conform with the definition of faculty in the Bylaws for Academic Governance, Section 1.1., which includes all persons appointed under the rules of tenure with the rank of professor, associate and assistant professor, and instructor; temporary faculty (not appointed under the rules of tenure); honorary faculty; and deans and other administrators who have been appointed from academic ranks.

While the bylaws do not include part-time faculty in their definition, Zwarensteijn said he thought they were included in the spirit of the document, and Provost John Cantlon, who chaired the meeting, accepted that interpretation.

*References in Sections 3.2., 2.4.6., and 6.2. to existing practices of the University were amended to read "existing practices ... in the appropriate units of the University."

*And Sections 8.3. and 8.4. were amended to provide for proposed amendments to the procedures to be considered by the University Faculty Affairs and Faculty Compensation Committee, and to be forwarded, with or without their recommendation, to the EFC, and then on to the Academic Council. The original version of 8.3. and 8.4. required approval of the FAFCC by a majority vote, with the proposal going directly to the Academic Council.

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A MOTION BY GROTY to delete Section 7.4. of the document, which gives the president the option of accepting or overruling decisions of the Appeals Board, was defeated by the EFC. Grotz's motion included provision to make decisions of the Appeals Board final and binding upon the University.

There was little discussion on the motion, but E. Fred Carlisle, associate chairman of English and chairman of the ad hoc committee which drafted the grievance procedures, argued that the president's options were consistent with the advisory nature of academic governance. —BEVERLY TWITCHELL

Senate will meet Monday

Five informational items are scheduled for the Academic Senate meeting Monday, Nov. 15, at 3 p.m. in the Wilson Hall Auditorium. These are:

*A status report on bylaw implementation, particularly regarding student and faculty appointments and election to committees and the Academic Council — Glenn Waxler, professor of physiology and chairman of the Committee on Committees.

*A "directional" report on the work of the ad hoc committee to study collective bargaining — Herbert C. Jackson, professor of religion and chairman of the ad hoc committee.

*A status report on faculty rights and responsibilities and grievance procedures — E. Fred Carlisle, associate chairman of English and chairman of the committee drafting the document.

*A review of deliberations associated with the status of librarians and cooperative extension staff — Beatrice Paolucci, professor in human ecology and member of the Steering Committee of the Faculty.

*A report from Provost John E. Cantlon on "issues of special interest," including the status of new programs such as new college proposals and general education review.

Thanksgiving

All University classes and offices will be closed on Thanksgiving Day, Nov. 25, and on Friday, Nov. 26. As earlier announced, the University will observe Dec. 23 and Dec. 24, plus Dec. 30 and Dec. 31 as holidays, since Christmas and New Year's Day fall on Saturdays this year.



Votapeks to perform

Duo pianists Ralph and Albertine Votapek will be featured during the performances next week (Nov. 15 and 16) of the MSU Symphony Orchestra. Both concerts will be at 8:15 p.m. in Fairchild Theatre. Donations are \$2.50 per ticket, and proceeds will go to the Symphony Orchestra Scholarship Fund.

—Photo by Dick Wesley

The Forum

The Forum is intended as a platform of opinion for readers of the News - Bulletin. Comments, and letters to the editor, may be addressed to the editor, Room 324, Linton Hall. We reserve the right to edit contributions when necessary to meet space and other requirements.

Changing educational life styles

"New Life Styles for Continuing Education" was the topic for the 13th seminar for College and University Leaders in Continuing Education held last week at Kellogg Center. Following are excerpts from speeches delivered by five persons who addressed the four-day session.

The Continuing Education University

"... the land-grant institutions were successful beyond anyone's wildest dreams! But over the years many of these colleges and universities have changed a great deal. They have become so theoretical that they lost touch with the real needs of society. We must now provide new programs and new directions by giving a rebirth to the land-grant tradition in order to serve urban America..."

"A renewed commitment by American higher education to community service would, in my opinion, restore a great deal of faith in our colleges and universities. This renewal of confidence would also turn American higher education away from the headlong path it has taken over the last quarter-century toward research for research's sake." — **CHARLES E. PERRY**, president, Florida International University.

Lifelong Education in the Pluralistic University

"Although there was a time when budgeting allotments were made to selected departments for regular continuing education responsibility, this pattern has disappeared. Thus, today when faculty from within the institution are involved in teaching courses, they can only be attracted by payment on an overload basis rather than as part of their normal academic responsibilities."

"The University finds itself in the inconsistent position of on the one hand hiring a full-time employee to work within the department, and on the other hand sanctioning the practice of a separate unit within the institution which hires these people on an overload basis."

"Therefore, MSU shares with virtually all other universities the anomaly of a continuing and adult education program which serves only a limited clientele. Furthermore, it is unable to draw effectively upon the full array of University resources in order to respond vigorously to the most critical educational demands of our society..."

"At the institutional level, the basic goal must be a restructuring and a redefinition of the entire adult and continuing education, cooperative extension and other off-campus activities in such a fashion that manpower, knowledge and financial resources of a university are consciously and selectively focused as an integral part of the other primary functions of the university."

"This view is substantiated by the soon-to-be-made public recommendations of MSU's Presidential Commission on Admissions and Student Body Composition. From its extensive investigations and deliberations, this group... concluded that we must conduct a careful study of how to meet our obligations of providing lifelong education."

"... once a program model and clientele have been identified, the University must respond internally by refocusing and marshalling present institutional resources to facilitate lifelong education. Complementing this must be the development of a faculty-staff reward system which puts lifelong education in a perspective vis-a-vis the other primary functions of a university. But without a commitment from the trustees and top administrative officers, these realignments will never take place..."

— **PRESIDENT CLIFTON R. WHARTON JR.**

Talking 'among ourselves' in the campus community

The following viewpoint is reprinted from the Newsletter, a monthly faculty - staff newspaper published by the University of Bristol in England.

The main work of a university is, of course, teaching and research, but universities have other important functions. It is said, for example, that a university should be the cultural custodian of the wider community of the city or place which surrounds it.

One wonders at times whether Bristol is in any real sense a community of scholars. Certainly there are scholars here, and they live in communities. But the communities are small and the feeling of oneness with colleagues is departmental or sectional.

That this should be so is hardly surprising. The university rarely requires its members to think in larger terms. The geography and size of the university make it difficult to establish and maintain contact. Even when contact is established, maintaining it can be difficult. We are all laymen in each other's departments. We are divided by our misuse of our common language.

Informal discussions take place in a sort of departmental verbal shorthand, almost

meaningless to the outsider. Initials (UGM), jargon (software) and unnecessary new words (envirotechnology) creep in.

It may not seem to matter that informal discussions should take place in a sort of departmental shorthand, but, out of these discussions, formal proposals in time do arise. These are sometimes of significance to us all. They are always regarded as important by their proposers. Unless we understand what is important to our colleagues, we can have no sense of community with them. Until we can use language in a way that enables us to talk among ourselves in the university community, we will not be able to discharge our duty to the wider community around us.

So perhaps our duties as cultural custodians and our duties as a community of scholars are the same. We must begin with a clear and more precise use of language.

— **NEWSLETTER, University of Bristol.**

Toward 1985

"Everything I see indicates we are going into 1985 in a country that is basically people oriented, with strong individualism, a free market and a democratic society beset by many problems, but working them out in terms of human liberty and dignity..."

"Even with a low fertility rate, the population growth rate will rise for the next decade because the proportion of women in childbearing ages will increase. On the basis of present information, however, the population growth rate could well return to its present level in the eighties or, perhaps, even slip below it..."

"The number of elementary school pupils will probably drop slightly in the next few years — return to its present level by 1980 — and then raise somewhat by 1985. High school enrollment is expected to change relatively little in the next 14 years. However, the number of college students is expected to rise by more than 50 percent from its present level of 7.5 million to about 11.5 million in 1985. About one-third of the expected rise in college enrollment is due to population increase; two-thirds is due to the expected increase in the proportion of young people attending college."

"It is obvious that, if our society is to... handle the number of young people who expect to attend college, we not only need more facilities and faculties and college presidents, but far-sighted vision and understanding on the part of the public..." — **GEORGE H. BROWN**, director, U.S. Bureau of the Census.

Problems of the University: Internal and External

"A series of court cases growing out of faculty committee and administrative decisions not to reappoint a particular faculty member in the tenure stream demonstrates a problem of concern. In my personal judgment, it is absolutely essential that university departments retain their ability to release new faculty members, not only based upon their competence, output and personal integrity, but in relation to the individual's scholarly or research or instructional contribution to the department."

"Since more and more instruction and research require interaction between several individuals, the loss of the department's ability to develop a critical mass of faculty talent around a few broad themes would, in my judgment, be a major setback for future academic departments..."

"There has been a strong press by minority groups and more recently by women for fair employment and enrollment practices by universities... In many fields, however, real scarcities of trained personnel, except for white males, raises a serious problem."

"Faculties tend to be highly unsympathetic with any procedures that abandon proven merit as a basis for hiring, promotion and retention. On the other hand, the special groups are understandably unhappy with the slow pace of increasing numbers of the group in the various categories... There is scant hope that university administrators can be perceived simultaneously to be maintaining quality and moving aggressively in meeting hiring goals..."

"We must avoid the harm that will come to universities if we are so naive as to confuse student-faculty-university relationships with the labor-management relationships that have emerged in the private industry sector. Students are not simply products, faculty are not simply employees without voice in how the institution should run, and administrators will never have wisdom enough to run the creative drive of the university without the faculty." — **JOHN E. CANTLON**, MSU provost.

Continuing Education: New Needs and People

"We must change our system of rewards and honor — creating new honorifics — in order to offer real education and not merely a succession of credit hours. We have been offering an excuse for education — an elective, if you will — and not the opportunity to live a life of learning."

"In order to change, we must first encourage access to education under more convenient conditions. Present learning situations involve a deadening procession of classrooms firmly situated in established institutions — a stereotypic educational environment. Classes are not held in places of convenience or at hours of convenience."

"We should run adult education on Saturdays and Sundays, so that it may transcend the restrictions of a work week schedule, and in the middle of the night, so that workers may leave their shifts and report for class. We must conduct education by radio and television, off campus in shopping centers and movie theatres, and through the mail."

"Further, we must strive to reach constituencies we do not now serve in continuing education — we must run programs for the aged, for young housewives with small children, for persons desiring embarkation on second careers or even third careers..." — **GERALD A. FAVERMAN**, assistant to dean, College of Osteopathic Medicine, and former chief educational analyst, Michigan Legislative Fiscal Agency.

Summer courses offered

Four British universities are currently accepting applications for 1972 summer school from students who will have completed their sophomore year by next June.

Details and applications are available from Maurice Crane, professor of humanities, G55 Wilson Hall, 355-4528.

The universities involved and the programs that will be offered are:

*University of London, July 10 to Aug. 18, "The Augustans: English

Literature, Art and Architecture, 1660-1780."

*University of Birmingham, July 3 to Aug. 11 (at Stratford-Upon-Avon), "Drama and Theatre In The Age of Shakespeare."

*University of Oxford, July 3 to Aug. 11, "Britain 1870-1970: Literature, History and Society."

*University of Edinburgh, July 3 to Aug. 11, "Britain 1750-1860."

MSU FA aiming for an election soon

The MSU Faculty Associates group hopes to file for a unionization certification election before the end of this term.

The MSU FA, an affiliate of the Michigan Education Association, reports it has obtained signatures of more than 20 percent of the faculty and more authorization cards are coming into the group daily.

When authorization cards from 30 percent of the faculty are obtained, they will be submitted to the Michigan Employment Relations Commission, which would call for the election.

The MSUFA has not yet determined the bargaining unit (who would or would not be included), but is working with a total figure of about 2,400 Board of Trustees - appointed faculty on 10- and 12-month appointments.

The MSU Chapter of the Association of American University Professors (AAUP) has collected at least 13 percent of authorization cards, not including those collected since the group decided to intensify its drive early this term, reports Sigmund Nosow, professor of labor and industrial relations, and president of the local AAUP chapter.

The MSUFA has also prepared a comparative study of faculty salaries, based partly upon salary data released by Trustee Clair White. The MSU FA study will not include names, but will compare the salaries of faculty by rank, by 10- and 12-month appointments, by department, college and total University, with

the mean, median, and maximum salary for each level.

Listed separately will be a comparison of the salaries of department chairmen within each college, and salaries of positions within the deans' offices.

The study will also include a comparison of salary increases from 1970-71 to 1971-72 by rank, department, college, University, and 10 and 12-month appointments.

The report is expected to be mailed this month to all Board of Trustees - appointed faculty.

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AT AN OPEN meeting of the MSU FA Steering Committee last Wednesday (Nov. 3), the group discussed the desirability of obtaining a larger percentage of signatures before filing with the employment relations commission. But members decided at their regular (closed) meeting the following day to file when they obtain 30 percent.

One member said the report from the ad hoc committee to study collective bargaining, established by the Elected Faculty Council, is an excuse for some faculty not to make up their minds on the issue. That report is due in January.

Also discussed was the problem that authorization cards may be misleading. Cards state that the signer authorizes the MSUFA (on the AAUP) to serve as his exclusive representative for collective bargaining purposes with the University

Signing of the card, it was explained, does not necessarily obligate the signer to the MSUFA, AAUP, or even to the concept of

collective bargaining. Signing of cards primarily serves to bring the issue to a vote of the faculty.

Returning veterans: Unique problems

He is generally older, more mature, than the average college freshman. He may have a wife and family to support. He may be disabled.

Returning veterans have some unique needs and problems, and MSU is seeking to improve its service to them with the recent establishment of the position of veterans' coordinator.

Donald Svoren, who has served as an enlisted man in the Navy and separated from the Army with the rank of captain, sees his function in this new post as that of the "veterans' advocate" - identifying the needs of the veterans and then making them aware of the benefits and services available to them.

"At present, we have very little information about who our veteran population is," said Svoren, "but one thing we do know is that it is increasing."

Svoren said that student figures, which include veterans, children of veterans, and widows of veterans, have risen from 1,791 in the fall of 1969, to 2,084 in 1970, and 2,627 this fall.

Svoren said that his position also includes acting as a liaison for veterans with campus, local, county, state, and national bureaus.

"We needed to coordinate," Svoren said, "to have a central point so a veteran coming to MSU could get exposure to those University and agency services available to him."

Svoren said that some of the needs campus veterans' groups had expressed to the Board of Trustees at their October meeting included a tutorial program and referral service, expediting of application forms for admission, help in obtaining part-time employment, and financial aid.

One of the biggest problems of veterans on the national level, according to Svoren, is severe unemployment.

"The Department of Labor statistics for August show that 8.2 percent or 322,000 veterans between 20 and 29 years of age are unemployed," he said. "We need to find jobs for veterans and encourage them to take advantage of educational assistance in order to gain marketable skills."

Other duties of the veterans' coordinator will include compiling reference materials on programs, policies and laws affecting the veteran, establishing contact with the veteran before he leaves the service, and an immediate assessment of the needs of veterans.

Faculty are reminded: It's 11-week term

Faculty are reminded that academic terms are 11 weeks long, not the traditionally assumed 10 weeks.

The 11th week of the term is commonly known as final exam week. According to a new policy approved last spring and effective for the first time this term, all courses shall meet for a two-hour period during that final week, according to the schedule listed in the "Schedule of Courses and Academic Handbook."

The period should be used, the policy states, for examination, discussion, class summarization, student evaluation, instruction or "any other appropriate activity designed to advance the student's education."

Any deviation from the schedule would require approval of the registration and scheduling committee of the Assistant Deans Group.

The policy also stipulates that no student should be required to take more than two final examinations in one day; that the schedule for the final week shall be rotated systematically so that the two-hour period for each course will be scheduled at a different time each term; and that faculty shall schedule office hours during the final week (or in some other way make themselves accessible to their students).

Grade-point inflation is national trend, study shows

A general view of reports from 15 of the largest universities in the country suggests that inflation of grade - point averages is a national trend, according to Assistant Provost John Dietrich.

Dietrich is conducting a study of the 30 largest universities and so far has a 50 percent return. He said he would declare a cut - off point this week so he can compile a report which the provost said would be available to faculty.

Even though the data are not completely comparable, because of different grading systems, patterns, and ways of reporting grades, Dietrich said the indication is that the inflation of the grade - point average is a national trend,

or a "social phenomenon."

This is accompanied by the fact that students are not getting any better; rather, there is a wider spectrum of aptitudes, partially caused by the admission of more marginal students, Dietrich said.

He also said that MSU's inflationary grade - point problem is probably worse than at other institutions because MSU has both the social phenomenon factor and a scalar factor.

The scalar factor relates to a study here which showed that the steps in the MSU revised grading system have tended to shift grades upward. (News - Bulletin, Oct. 21, 1971).



Changing the Union's face

The Union Grill has a new look to go with a menu that is more versatile and designed to attract more students and faculty to its wares. This first stage of redecorating is the beginning of a general renovation in the facility, according to Michael Dmochowski, manager of the Union Building. The grill, open 7:15 a.m. to 11 p.m. weekdays and 9 a.m. to 11 p.m. Saturdays and Sundays, now features a charcoal grill and a microwave oven.

-Photo by Robert Brown

Tukey dies in Florida

Harold B. Tukey, internationally known horticulturist and retired head of the Department of Horticulture, died Monday (Nov. 8) in Boca Raton, Fla. He was 75.

Tukey's research career began in 1920 when he was an assistant horticulturist for the New York Experiment Station in Geneva. He had received international recognition for a career that included development of herbicides, such as the initial publication on 2, 4-D as a selective weed killer, and discovery of the uptake of nutrients through plant leaves as well as through their roots.

A graduate of the University of Illinois and holder of the Ph. D. from the University of Chicago, Tukey joined the MSU faculty in 1945 and retired in 1963.

Survivors include his widow, Ruth Ann, three sons and two daughters.

A memorial service will be conducted at 4 p.m. at People's Church in East Lansing.

Space utilization: Finding enough places for people and activities

With more than 42,000 students enrolled, a great deal of space on campus is used for classrooms — right? Wrong. At MSU, less than 5 percent of the available space is used for classroom purposes, and that percentage is about the same at other Big Ten universities.

To be exact, there are 9,200,291 assignable square feet. (The figure includes 3,8 million square feet in the dormitories, but excludes storage, halls, closets, etc.) Only 377,773 square feet are used for classrooms, according to Terry Armstrong, assistant registrar in charge of classroom scheduling. (This does not include classroom laboratories).

The Office of Space Utilization is responsible for scheduling all the remaining space.

The most popular class times seem to be between 9:10 and 11 a.m. when about 95 percent of the available classrooms are in use. Faculty seem to avoid the Friday afternoon class times. After 4 p.m. only 14 percent are used.

Last week the Assistant Deans' Group sent a memo to department chairmen urging them to make better use of classroom facilities during these early morning and late afternoon hours for coming terms.

"We have 26,450 seats available for classroom purposes at any one time," says Armstrong. "Most are used during the late morning hours, but better use could be made of these facilities at other times."

Jim Peters, assistant director of space utilization, says the day-to-day or hour-to-hour scheduling problems involve a movement of people in space and time, but scheduling is tempered by faculty and student preferences.

Davies urges household revolution against packaging

A household revolution is being advocated by George A. Davies, who says that "the time is right for an absolute all-out packaging revolt by Mr. and Mrs. Consumer."

Davies, MSU's associate registrar, is also a consultant to industry in education, management, packaging and materials handling. He notes: "Householders throw away more than 40 per cent of the household items and foodstuffs they bring home from the supermarket, while only 1 per cent of their carry-home purchases from the farmer's market.

"Consider, for example," he adds, "that the product cost in a jar of mustard or ketchup is less than 10 per cent of your purchase cost. The jar, label, lid, merchandising, delivery and retailer's profit account for the rest.

"The box of cereal that will retail for

36 cents will have a product value of less than six cents, and an aerosol container always costs more than the product it holds."

Davies believes that the place to get the strongest foothold on product disposal is in the high volume, high tonnage area of "indestructibles," such as automobiles, appliances, trucks and machine tools.

He proposes a national depository of revenue at the time of consumer possession that would guarantee ultimate disposal, and, where practicable, recycling.

"The housewife can wield the strongest influence here," Davies says, "especially considering that an average family will generate 3,000 empty containers, 1,600 pounds of newsprint publications and 1,500 pounds of obsolete or unrepairable steel products each year."

The standing committees

Helping the library extend its services

The University Library Committee (ULC) is a "sounding board" for Richard Chapin, director of libraries, according to Charles Press, chairman of political science and chairman of the committee.

Charged in the Bylaws for Academic Governance to study and evaluate library services, facilities and policies — including current and projected library needs — the committee has been involved in several library policy decisions, including the experiment to extend library hours until 2 a.m. during the final examination period.

A continuing concern of the ULC has been faculty check-out privileges, which were recently cut back to one term, but with no penalties. Penalties are, however, being considered, Press said.

The committee would like first to determine if the length of time faculty keep books from the library is indeed a problem. A study is underway on how many books are checked out by faculty. A warning is now sent to faculty members when the books are "due" at the end of each term.

If it is found that faculty book retention is a problem, the committee will discuss how to get the books returned, whether there should be a fine system, or other alternatives.

A number of alternatives has been suggested to ULC, from placing calls to the faculty member's department chairman, to making the library a reading library where no books would be checked out.

Other concerns of the committee have been:

- * The question of a "book-drop" so persons returning books would not have to enter the library. (The book drop was set up earlier this fall).

- * A science library and where it should be located.

- * The budget, which was cut back with all department and unit budgets last spring. Press suggested that perhaps the library budget should not have been cut since it must operate with fixed prices. The committee is looking into ways to save money, based on choices presented by Chapin.

- * There is a perennial suggestion, Press said, that the library have some sort of eating facility. With budgeting problems, this cannot now be considered.

The ULC is comprised of one faculty member per college, plus three professional librarians (ex officio), two graduate and two undergraduate student members (nonvoting), plus Chapin as an ex officio member. By January, with

ALTERATIONS OF SPACE are also a responsibility of the space utilization office. The largest alteration project is still underway in Fee Hall. Some of the residence hall rooms have been renovated into classroom use and were opened in September. Phase II of the Fee Hall project, says Peters, should be completed in February, and Phase III by the end of next summer.

Whenever classroom space is taken "off-line" (not in use) for renovation, it involves locating space somewhere else. The first floor of Baker Hall and the south end of Fairchild Theatre are now out of use, says Armstrong. And the language laboratory in Morrill Hall is "off-line." An experimental classroom for filmmaking is being moved this week from the Instructional Media Center into the Morrill lab. Classes normally held in these rooms had to be moved to other buildings.

"There's no slack time for us," says Peters. "Of course, the week before fall term is the most hectic, but we are constantly trying to find space for those who need it. And we get all kinds of requests for space."

Someone wants a place to play his electric guitar and drums because his dorm roommates can't stand the noise . . . Someone wants a place to raise a colony of rats . . . Religious groups want a place for prayer sessions . . . Someone wants to store his \$700 drums . . .

The Railroad Club needs a place to store its new railroad car . . . The Free University needs space to teach an auto mechanics course . . . Physics needs space to assemble sophisticated, bulky equipment for the National Atomic Laboratory . . . Or a faculty member gets a grant and hires five or six students to conduct research for him. Where do you put them?

* * *

"THE ONLY TIME we really run into trouble is when people think they own the space," says Peters. "We have 992,000 square feet allotted to offices and that's all the space we can use for that purpose."

In June President Wharton sent a memorandum to all deans, directors and department chairmen reiterating the policy of John Hannah that "classrooms and other space used for educational purposes is assigned by the University; and that even though it is located in specialized buildings controlled by the departments or colleges, long-range space assignment does not rest with the department or the college."

The space utilization office assigns evening classes in as few buildings as possible — mainly Bessey, Wells, Berkey and Erickson. One reason for the concentration of scheduling is the problem of getting buildings cleaned after 10:30 p.m. But whether the space is scheduled or not, says Peters, all of it has to be heated and lighted.

—SUE SMITH

Books

"Too Many—An Ecological Overview of Earth's Limitation" by GEORGE BORGSTROM, professor of food science and geography, has been published in paperback by Collier Books. An earlier Borgstrom work, "The Hungry Planet," has appeared in a Polish edition.

ALBERT DRAKE, associate professor of English, has a story in "Best American

Short Stories 1971." The story, "The Chicken Which Became a Rat," originally appeared in the Northwest Review.

MERLE L. ESMAY, professor of agricultural engineering, is the author of "Institutionalization of the Facultad de Agronomia at Balcarce, Argentina," published by MSU's Institute of International Agriculture.

implementation of increased student involvement, the committee will include three undergraduates, two graduate students and two student members - at large.

Press does not expect any significant

change in the committee's attitude or work with the increased student participation, since, he said, students have been "helpful, fairly reasonable" and committee votes have never divided along student-faculty lines.



Undergraduate enrollment is up

STUDENTS ENROLLED IN CREDIT PROGRAMS¹
East Lansing Campus

COLLEGE	Fall 1971								
	TOTAL			UNDERGRADUATE			GRADUATE		
	1971	1970	Change	1971	1970	Change	1971	1970	Change
Agr. & Nat. Resources	3017	2660	13.4%	2229	1920	16.1%	788	740	6.5%
Arts & Letters ²	4227	4422	-4.4	3487	3636	-4.1	740	786	-5.9
Lyman Briggs	819	622	31.7	819	622	31.7			
Business	3662	3622	1.1	2800	2672	4.8	862	950	-9.3
Communication Arts ²	1833	1859	-1.4	1589	1552	2.4	244	307	-20.5
Education	6123	6597	-7.2	3805	4017	-5.3	2318	2580	-10.2
Engineering	2194	2210	-.7	1904	1960	-2.9	290	250	16.0
Human Ecology	1731	1528	13.3	1533	1344	14.1	198	184	7.6
Human Medicine	568	407	39.6	328	254	29.1	240	153	56.9
James Madison	563	572	-1.6	563	572	-1.6			
Justin Morrill	805	850	-5.3	805	850	-5.3			
Natural Science	4904	4805	2.1	3916	3753	4.3	988	1052	-6.1
Osteopathic Medicine	79	42	88.1				79	42	88.1
Social Science	6761	6247	8.2	5814	5294	9.8	947	953	-.6
Veterinary Medicine	844	704	19.9	505	366	38.0	339	338	.3
No Preference	3420	3284	4.1	3420	3284	4.1			
Unclassified	99	80	23.8	99	80	23.8			
SOURCE									
New-first-time	9022	7528	19.8	7251	5924	22.4	1771	1604	10.4
-transfer	3065	1998	53.4	2938	1833	60.3	127	165	-23.0
Total	12087	9526	26.9	10189	7757	31.4	1898	1769	7.3
Readmitted	1667	1912	-12.8	1167	1183	-1.4	500	729	-31.4
Returning	27895	29073	-4.1	22260	23236	-4.2	5635	5837	-3.5
SEX									
Men	23838	23425	1.8	18158	17506	3.7	5680	5919	-4.0
Women	17811	17086	4.2	15458	14670	5.4	2353	2416	-2.6
MARITAL STATUS									
Married	8783	8441	4.1	3982	3576	11.4	4801	4865	-1.3
Single	32866	32070	2.5	29634	28600	3.6	3232	3470	-6.9
TOTAL CAMPUS	41649	40511	2.8	33616	32176	4.5	8033	8335	-3.6
ADDITIONAL DATA									
Married									
Men	6015	5687	5.8	2395	2053	16.7	3620	3634	-.4
Women	2768	2754	.5	1587	1523	4.2	1181	1231	-4.1
University College	14093	14014	.6						
Honors College (est.)	2380	2290	3.9						
Evening College									
(non-credit) (est.)	1250	1197	4.4						
Sec. Tchg. Cert. -Educ.	3697	3775	-2.1						
-other colleges	4056	4652	-12.8						
-total	7753	8427	-8.0						

Notes: 1) Students are classified by college, source, sex, marital status, etc.
2) Fall 1970 totals are adjusted to reflect the transfer of the Theatre curriculum from the College of Communication Arts to the College of Arts and Letters.

TOTAL STUDENTS¹
East Lansing Campus

COLLEGE	TOTAL		UNDERGRADUATE						GRADUATE					
	Total	Men	Fresh.	Soph.	Jr.	Sr.	Spec.	Total	Men	Gr.Pro.	Mas.	Dr.	Total	Men
Agr. & Nat. Resources	3017	2687	744	303	623	512	47	2229	1957		498	290	788	730
Arts & Letters	4227	1596	732	650	1052	952	101	3487	1170		439	301	740	426
Lyman Briggs	819	574	375	193	161	89	1	819	574					
Business	3662	3171	500	440	943	855	62	2800	2352		654	208	862	819
Communication Arts	1833	1040	288	248	558	464	31	1589	886		202	42	244	154
Education	6123	1916	503	549	1247	1284	222	3805	699		1540	778	2318	1217
Engineering	2194	2092	511	396	538	433	26	1904	1809		178	112	290	283
Human Ecology	1731	55	260	306	519	416	32	1533	36		153	45	198	19
Human Medicine	568	249	79	78	91	72	8	328	59	186	41	13	240	190
James Madison	563	336	225	130	141	59	8	563	336					
Justin Morrill	805	278	272	237	182	111	3	805	278					
Natural Science	4904	3164	1163	829	1034	777	113	3916	2349		408	580	988	815
Osteopathic Medicine	79	72								79			79	72
Social Science	6761	4366	848	780	2287	1800	99	5814	3685		651	296	947	681
Veterinary Medicine	844	534	317	149	1		38	505	260	291	37	11	339	274
No Preference	3420	1626	2055	1310	9	2	44	3420	1626					
Unclassified	99	82						99	82					
CREDIT EARNED														
Degree Credit	41053	23329	8432	6545	9382	7826	835	33020	17649	556	4801	2676	8033	5680
Agr. Technology	497	427	440	53	4			497	427					
English Lang. Center	99	82						99	82					
TOTAL CAMPUS	41649	23838	8872	6598	9386	7826	934	33616	18158	556	4801	2676	8033	5680

Note: 1) Enrollments as of the second week of the term, by class.

How to calculate 'person-stoned-hours per dollar'

A discussion on "person-stoned hours per dollar" seems unlikely fare for an economics term paper. But in a paper entitled "An Analysis of the Demand for Illicit Marijuana in a University Community and Projections for the Results of a Tax on Legalized Marijuana," former student Christopher Mallin takes the social problem and puts it in an economic context.

Written for Economics 407, "Public Revenues," it is one of five student-written papers for undergraduate courses now published in the first economics journal of undergraduate papers, called "MSU Economist."

Mallin, a June graduate now at Case - Western Reserve Law School, studied the demand for illicit marijuana in a university community (with the consumer's interest in maximizing his person-stoned-hours per dollar, and the seller or dealer's risk/benefit indifference curve).

He also looked at profits earned

through liquor and tobacco taxes, and suggested that legalization and then taxation of marijuana "could cut into revenues from the liquor tax, or to a much lesser extent, even the tobacco tax." But the loss, he said, would be offset by the revenue gained by the new tax.

"The people demand dope and the people will be served, so the government might as well cash in on it," Mallin concluded.

THE TOP GRADUATE from the College of Business last spring applied his original research to a study of "The Economics of Heroin Addiction in Detroit and its Consequences for the Poor," (written for Econ. 390: The Economics of Poverty).

Joseph Connors contended that a heroin addict's neighbors (usually in a ghetto) bear higher explicit costs associated with addiction because they are the victims of more drug-related crime than other residents of Detroit.

Significant increases in the total of first-time and transfer undergraduate students offset declines in transfers and readmissions among graduate students, according to figures from the Office of the Registrar

MSU's fall enrollment on the campus totals 41,649, compared with 40,511 a year ago. (See charts at left and below.)

While the total graduate enrollment decreased from 8,335 a year ago to 8,033 this fall, the undergraduate total went up, from 32,176 to 33,616. The major sources of the undergraduate increase are first-time enrollees (from 5,924 to 7,251) and transfers (from 1,833 to 2,938—a 60 percent jump).

Graduate transfer students decreased by 23 per cent from last year (165 to 127) and graduate readmissions went down by 31 per cent (729 to 500). The number of first-time graduate students increased, from 1,604 to 1,771.

Other data reveal: The total number of women enrolled increased (4.2 per cent) by more than the total number of men (up 1.8 per cent), although men still outnumber women, 23,838 to 17,811; the number of married undergraduates increased by 11.4 per cent (from 3,576 to 3,982); social science (with 6,721 students) has replaced education (where enrollment ceilings have been imposed) as the largest degree-granting college on the campus.

WMSB

FRIDAY, NOV. 12

7 p.m. — "The Great American Dream Machine" take an unusual look at death.

SUNDAY, NOV. 14

12:30 p.m. — Peter Ustinov discusses his new satirical novel, "Krumnagel," with Robert Cromie on "Book Beat." 1:30 p.m. — The seating of Red China in the UN is discussed by U.S. Ambassador George Bush, Nationalist Chinese I-Cheng Loh and William F. Buckley Jr. on "Firing Line." 4:30 p.m. — The Advocates debate "Should TV news be exempt from the Fairness Doctrine?" 10 p.m. — An interview with Secretary of State Richard Austin is included on "On Assignment." 11 p.m. — Irish actor Jack MacGowran reads from the plays of Samuel Beckett on "Hollywood Television Theatre."

MONDAY, NOV. 15

7 p.m. — A preview of the final football game with Northwestern and a look at the first hockey game are featured on "Spartan Sportlite."

WEDNESDAY, NOV. 17

7 p.m. — MSU faculty art exhibited at Cowles House is displayed and discussed by Mrs. Clifton R. Wharton Jr. and Erling B. Brauner, art department chairman.

WKAR

THURSDAY, NOV. 11

9 p.m. (FM) — Frederick Thornton plays and discusses jazz.

SATURDAY, NOV. 13

7 p.m. (FM) — Classics by request (355-6540) on "Listner's Choice."

SUNDAY, NOV. 14

2 p.m. (AM-FM) — The Cleveland Orchestra performs Carnival Overture by Dvorak, Violin Concerto No. 5 by Mozart, Tabor by Smetana, Sinfonietta by Janack. 4 p.m. (AM-FM) — Columnist and political leader Gloria Steinem discusses the women's liberation movement on "From the Midway."

THUESADY, NOV. 16

10:30 a.m. (AM) — Fr. Norman J. O'Connor examines "Jazz International" from South Africa.

WEDNESDAY, NOV. 17

10:30 a.m. (AM) — Journalists and government officials discuss government and the press on "Radio Smithsonian."

MSU News - Bulletin

Editor: Gene Rietfors

Associate editor: Beverly Twitchell

Associate editor: Sue Smith

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Dunlop, an MSU graduate in psychology now in medical school at the University of Michigan.

THE ECONOMICS JOURNAL was born with the idea that undergraduate papers can be creative, analytical and interesting, and that good models of writing could be selected as an incentive for undergraduates in the department, said Daniel Saks, instructor in economics and "father" of the journal.

The only criteria for papers in the journal, Saks said, was the use of economic analysis. It just turned out that several of the students applied economic analysis to contemporary problems. They also showed, he added, that an economics term paper could be an interesting kind of experience, could be "relevant."

The papers were submitted by faculty and selected by a panel of four: Saks, Jan Kmenta and Lawrence Officer, both professors, and Mitchell Stengel, assistant professor. —BEVERLY TWITCHELL



Beverly Holman: No more eggs a la king.

— Photo by Robert Brown

Shopping to feed 1,100 hungry mouths

Seven hundred cream puffs, 225 pounds of ham, 1200 rolls, 60 pounds of beef—Beverly Holman is making out her shopping list for dinner.

Mrs. Holman is among the 16 food service managers (five of whom are women) for MSU's residence halls that are home for more than 17,500 students.

As food service manager at Wonders Hall, Mrs. Holman is responsible for having a possible 22,600 meals available each week for some 1,130 students.

"Of course every student doesn't eat every meal," she says "but we can usually expect 1,050 to 1,100 for dinner."

Mrs. Holman oversees the entire operation of the Wonders Hall cafeteria, including directing personnel, menu planning and supervising the preparation of food.

Photo lab has supplies

University departments can now obtain photographic supplies at the Photo Laboratory, room 11 in Agriculture Hall.

Supplies include film, paper and prepared chemicals. Purchases must be made through interdepartmental transfer of funds. If a department wishes supplies not ordinarily stocked in the lab, special orders can be placed, said William V. Mitcham, photo lab manager.

Purchases may be made Monday through Friday from 8 a.m. to 12 noon, and 1 p.m. to 5 p.m.

Slide show available

"This is Michigan State University," a nine-minute slide-tape overview of MSU, is available from the Department of Information Services.

The 80 slides are synchronized to narration by WKAR's Dick Estell and a musical background provided by the MSU Symphonic Band.

Departments having regular use for such a presentation might wish to have it duplicated for use on their own equipment. For further information, contact Fred Brufodt, 355-2284 or 355-2281.

Her staff includes four cooks, a stock room handler, three food service helpers, and a number of students who bus tables and wash dishes.

Mrs. Holman, who says she works for "variety, color and texture coordination" in her menu planning, described a typical dinner menu as having two main entrees and an "extender" item. Students are allowed seconds on the extender item.

"Tonight we'll expect 800 to eat ham, 200 on the beef stroganoff, and 200 for omelet," she said. "In addition we'll have potatoes, two vegetables, rice and gravies, three salads, rolls, bread, three desserts, and ice cream."

IS THERE A pattern to student eating habits?

Mrs. Holman says, "Yes, depending a lot on their mood."

"Generally we must go through a trial and error period, but breakfast counts are usually low. However, students predictably eat more during examination periods than any other time."

What about complaints?

"There are those who eat and don't grumble, there are those who eat and grumble, and there are those who don't eat and still grumble," Mrs. Holman said.

"Hamburgers—in fact almost anything on a bun—continue to be student favorites," Mrs. Holman said. "Generally they don't like mixture foods, like casseroles, especially if they have little or no meat."

"I'll never serve eggs a la king again."

* * *

MRS. HOLMAN, WHO started her duties as food service manager last spring, had previously been a food supervisor at Hubbard Hall for a year and a half. Before coming to MSU, she was a therapeutic dietician at Michael Reese Hospital in Chicago. She has a bachelor's degree in food and nutrition from Tuskegee Institute, Alabama.

She is working on a master's degree in educational psychology at MSU.

"The food service field has been male-dominated for a long time," Mrs. Holman says. "Any woman in this position is a rarity. But I'd like to feel I got this position not because I'm a woman or a black woman, but only because of my skill."

—PATRICIA GRAUER

Study shows unrest was played down

Two educational researchers have reported that campuses weren't as quiet last year as most people believe, and they blame the mass media for helping to create the false sense of calmness.

In a study for the American Council on Education, Alexander W. Astin and Alan E. Bayer reported that "an estimated 462 higher educational institutions (almost 20 percent) experienced at least one severe protest in 1970-71, a figure that represents a sizable portion of the nation's colleges and universities, and that is only slightly lower than the estimate of 1968-69."

They added that overall, "an estimated 1,019 institutions (43 percent) witnessed some kind of protest activity during the past academic year."

The Astin-Bayer study was reported in the Chronicle of Higher Education.

THE TWO RESEARCHERS said that although college students last year were "commonly characterized as being in a state of suspended animation, of apathy based on discouragement and cynicism, and of overriding calm," the "popular view is something of a caricature of the real situation."

They added: "The mass media tended to ignore what was, as recently as a year ago, big news. Part of this tendency is no doubt attributable to the well-known fickleness of the popular press, which is always on the lookout for the newest news and, consequently, quick to shelve any issue that may seem stale."

Another reason for the "distorted picture of campus unrest," the report said, is that protests declined at "larger and more prestigious institutions, even though they have become more common at the smaller and less selective colleges and universities."

* * *

ASTIN AND BAYER acknowledged that 1970-71 was calm compared to the preceding year with Earth Day, the Vietnam moratorium, Kent State and Jackson State, which was, "from a newsman's point of view, 'outstanding.'"

"But compared with the 1968-69 academic year, generally regarded as one in which campuses were in a state of extreme disruption, the 1970-71 academic year was only slightly more quiet."

It is ironic, they noted, that a year earlier the mass media had "overstated" the severity of campus unrest.

On other campuses

THE D. A. AT U-M. Twenty - one students are enrolled in a new doctor of arts program initiated this fall in the English department at the University of Michigan. It is U-M's first attempt at a doctoral degree that stresses teaching rather than research. It is designed chiefly to prepare English teachers for community colleges, particularly those in urban areas.

* * *

WISCONSIN FILM COLLECTION. A collection that includes more than 1,700 feature films such as "The Jazz Singer," "Citizen Kane," "Yankee Doodle Dandy," "King Kong," has been given to the University of Wisconsin's Center for Theatre Research by United Artists Corp. The collection, which includes manuscripts and corporate records of United Artists from 1919 to 1951, is the largest single gift of film materials ever made to a research institution. Films in the library make up a substantial part of Hollywood's output during the 1930s and 1940s.

* * *

CU FACULTY FROZEN. More than 1,000 faculty members at the University of Colorado have not yet received pay increases because of the federal wage freeze — although raises did go to CU administrators, staff and medical faculty. Those in the latter groups receive wage hikes on July 1, before the freeze took effect, but most faculty lost out because their academic appointments start each Aug. 25.

* * *

LANZILLOTTI NAMED. Robert F. Lanzillotti, former professor and chairman of economics at MSU, has been appointed to President Nixon's seven-member Price Commission. Lanzillotti left here in 1969 to become dean of the College of Business Administration at the University of Florida.

Ten colleges will select faculty award recipients

The Steering Committee of the Faculty drew lots early this week to determine which colleges shall select recipients for Distinguished Faculty Awards.

Procedures for selection of the awards were recently changed from a central committee to selection by the colleges. For purposes of the award, Cooperative Extension Service and the MSU Library are to be considered "colleges."

Because of the new procedures, 10 awards will be presented each year instead of the former six.

Colleges with 200 or more faculty are to select a winner each year. Those are: Agriculture and natural resources; arts and letters with Justin Morrill; natural science with Lyman Briggs; social science with James Madison; University College; and the Cooperative Extension Service.

Colleges with 100 to 199 faculty will select a winner every two years. Those are, beginning in 1972: Business and education. Noncollege faculty, including the Counseling Center and the faculty in the library, will select their award winner in 1973.

Colleges with 30 to 99 faculty will select a winner every third year. The library and human medicine will select winners in 1972; engineering, communication arts and veterinary medicine will select winners in 1973; and human ecology and osteopathic medicine will select winners in 1974.

The awards will continue to be presented at the spring convocation with Teacher-Scholar (for junior faculty) and Excellence-in-Teaching (graduate assistants) awards. Those award winners will be selected by a central committee.

BULLETINS

TALK ON CARTOONS John Appel, professor of American Thought and Language, will give a "show-and-tell" session at 8 p.m. Tuesday, Nov. 23, on ethnic stereotypes. The lecture, illustrated with some 80 slides, is entitled "Paddy and Sambo: Irish and Black Stereotypes in American Graphic Humor," showing the treatment of Irish immigrants and Blacks in humor from 1800 to the 1920s. The presentation will be held in 109 S. Kedzie and is open to the public.

POETRY LECTURE The Department of English and the Committee for Canadian-American Studies will cosponsor a lecture by Tom Collins from the University of Western Ontario on "Prolegomena to the Study of Robert Browning's Later Poetry" at 8 p.m. Thursday, Nov. 18, in the Union Green Room. The lecture is open to the public.

TURKEY SALE The Poultry Science Club will again be selling frozen turkeys for use during the holidays. Orders may be made 8-12 and 1-5 by calling 5-8408 or by stopping in 113 Anthony Hall. Toms are 47 cents per pound; hens are 49 cents per pound.

"ROCK" LECTURE Paul J. Ferlazzo, assistant professor of American Thought and Language, will speak on the topic of "rock" culture at 7:30 p.m. Thursday, Nov. 18, in Parlor C of the Union Bldg. The session is open to all those interested.

EXHIBITIONS

Kresge Art Center
Entrance Gallery, through Nov. 21: Water colors and collages by Paul Love.
North Gallery, through Nov. 21: Paolo Soleri, Visionary Architect. Photographic panels covering twenty years of architectural concepts by one of the more provocative environmental designers living today;

CONFERENCES

Nov. 15-16 Governmental Accounting Conf.
Nov. 15-18 IBM Installation Managers
Nov. 17-18 Sem. Michigan Foot Health Foundation-Michigan Podiatry Assn.

SEMINARS

MONDAY, NOVEMBER 15, 1971

Cell differentiation in *Azotobacter vinlandii*. **Harold Sadoff**, 4:10 p.m., 101 Biochemistry (AEC Plant Research Lab).
Patterns of release for pituitary LH and prolactin. **Paul V. Malven**, Dept. of Animal Science, Purdue U. 12:30 p.m., 126 Anthony Hall (Dairy Science).
Food science forum. **Georg Borgstrom**, 8 a.m., 136 Food Science (Food Science & Human Nutrition).
X-ray astronomy. **William A. Hiltner**, U. of Michigan, 4:10 p.m., 118 Physics-Astronomy (Physics & Astronomy).
Cardiovascular effects evoked by selective stimulation of the carotid bodies with hypoxia and hypercapnia. **Paul E. Parker**, 4 p.m., 146 Giltner Hall (Physiology).
The beef industry. **Blaque Knirk**, Quincy, Mich., 3 p.m., 131 Anthony Hall (Poultry Science).

TUESDAY, NOVEMBER 16, 1971

Cycloadditions at Princeton. **Maitland Jones**, Princeton U., 4 p.m., 136 Chemistry Bldg. (Chemistry).
Sites of action of drugs affecting the release of pituitary hormones. **Paul V. Malven**, Dept. of Animal Science, Purdue U., 12:30 p.m., 103 Anthony Hall (Dairy Science).
Transient flow calculations by numerical methods. **Victor L. Streeter**, 4:10 p.m., 146 Engineering Bldg. (Engineering).
A lethal toxin from *Bacillus cereus*. **Tom Tucker**; Changes in chlorophyllase activity during greening and bleaching of chlorella protothecoides. **Victor Ganoza**, 4:10 p.m., 110 Anthony Hall (Food Science & Human Nutrition).
Some examples from game theory. **Lee M Sonneborn**, 4 p.m., 304A Wells Hall (Mathematics Education).
Oral salmonellosis in mice. **Frank Collins**, Trudeau Inst., Saranac Lake, NY, 4:10 p.m., 146 Giltner Hall (Microbiology & Public Health).
What every operating system should provide. **Robert L. Basford**, supervisor of system studies, Bell Labs, Holmdel, N.Y., 7:30 p.m., 106B Wells Hall (Mid-Michigan ACM & Computer Science).

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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.

ARCHAEOLOGY LECTURE The Central Michigan Chapter of the Michigan Archaeological Society will present an illustrated public lecture at 8 p.m. Thursday, Nov. 18, in the Kresge Art Center main gallery. Speaker will be Lawrence Robbins, professor in anthropology and the African Studies Center, on "Archaeology in North Kenya and Uganda."

WORK-STUDY HOURS Students employed through the College Work-Study Program may, upon the request of their employer, work full time during the Christmas break. A maximum of 40 hours per week is allowed between Dec. 13 and Jan. 1. Gross earnings made over the break will be deducted from the student's authorized amount of Work-Study eligibility. Also, federal law pertaining to the program states that Work-Study employees may not be paid for a holiday unless they actually work on that day or days. The regular 15-hour (part-time) average applies to finals week fall term (Dec. 6-10) and to registration week winter term (Jan. 3-7).

OFF-CAMPUS STUDENTS Departments with students in off-campus training for credit winter term should send the names of these students to: Jerry T. Puca, Manager, Hall Assignments, 190 W. Holmes Hall. This will expedite releasing these students from their housing contracts.

Hidden Lake Gardens Tipton, Michigan

Nearly 1000 plant species and varieties, many of which are now in bloom, are on display in the Tropical Dome, Arid Dome and Temperate House. Open daily 8 a.m. until sundown.

Nov. 18 Community Hospital Education Committee-Coronary Artery Disease
Nov. 19 Institutional Laundry
All conferences will be held in Kellogg Center unless otherwise noted.

Coprinus lagopus as an organism for studies of meiosis and genetic recombination. **B.C. Lu**, Dept. of Botany, U. of Guelph, Ontario Canada, noon, 168 Plant Biology Lab (Organismic Botany Group).
Some observations on mixtures of Laplace transforms. **M.N. Tata**, 4:10 p.m., 405A Wells Hall (Statistics & Probability).

WEDNESDAY, NOVEMBER 17, 1971

Spore germination: lipid metabolism. **Roger Beachy**, 4:10 p.m., 168 Plant Biology Lab (Botany & Plant Pathology).
Computer and experimental analysis of overall circulatory regulation. **Arthur C. Guyton**, chairman physiology & biophysics, U. of Mississippi School of Medicine, 1 p.m., A133 Life Sciences I (Physiology & College of Human Medicine).
External markets and domestic construction. **Thomas C. Edens**, Western Michigan U., 3 p.m., 3 Marshall Hall (Economic Development).
Mutagenesis, mapping and somatic recombination in *Schizophyllum commune*. **Carl Frankel**, 4 p.m., 106 Plant Pathology (Genetics Group Seminar).

Function and metabolism of vitamin E. **H.H. Draper**, U. of Illinois, 4:10 p.m., 131 Anthony Hall (Institute of Nutrition).

THURSDAY, NOVEMBER 18, 1971

Research needs for resource development in the 1970s. **Ray Vlasin**, 3:30 p.m., 16 Agriculture Hall (Agricultural Economics).
The chemistry of vitamin B12: a biological grignard reagent? **C. Patrick Dunne**, 4 p.m., 101 Biochemistry (Biochemistry).
Boundary value problems for functional differential equations. **P. Waltman**, U. of Iowa, 4:10 p.m., A304 Wells Hall (Mathematics).
Can nursing reconcile realism with idealism? Panel discussion presented by **Sigma Theta Tau**, nursing honorary, 8 p.m., A133 Life Sciences auditorium (Nursing).
Studies on the amino acid reversal of copper inhibition of chick brain microsomal sodium-potassium-ATPase. **William Wells**, 4 p.m., B449 Life Sciences I (Pharmacology).

FRIDAY, NOVEMBER 19, 1971

Medical education and its relationship to the health care problem. **Myron S. Magen**, 3 p.m., 204 Nat. Sci. Bldg. (Zoology).

Friday, November 12, 1971

- 8 p.m. ASMSU Pop Entertainment—The Fifth Dimension will perform. Jenison Field House.
- 8 p.m. Planetarium Program—"A.R.C. 71," for the second year, integrates live rock and lighting effects by the Eye See the Light Show Company. Advance tickets are \$2, available at the Union Ticket Office or Abrams Planetarium.
- 8:15 p.m. Performing Arts Company (PAC)—"Rosencrantz and Guildenstern are Dead," the story of Hamlet's school friends, provides light comedy in a thought-provoking air. Tickets are \$2, available at the boxoffice before performances. Fairchild Theatre.
- 10 p.m. Planetarium Program (see above). Abrams.

Saturday, November 13, 1971

- 10 a.m. PAC Children's Theatre—A special Children's Theatre production, "The Boy Who Cried Wolf is Dead," will take on a new twist when children in the audience are asked to take part in the play. Tickets are 75 cents, available one hour before performances. Arena Theatre.
- 10:30 a.m. University Club pregame luncheon.
- 1 p.m. PAC Children's Theatre (see above). Arena Theatre.
- 1:30 p.m. Football—MSU vs. Minnesota. Last home game. For ticket information, call the Jenison Ticket Office.
- 3 p.m. PAC Children's Theatre (see above). Arena Theatre.
- 5:30 p.m. University Club postgame buffet.
- 8 p.m. Planetarium Program (see Nov. 12). Abrams.
- 8:15 p.m. PAC (see Nov. 12). Fairchild Theatre.
- 10 p.m. Planetarium Program (see Nov. 12). Abrams.

Sunday, November 14, 1971

- 2 p.m. PAC Children's Theatre (see Nov. 12). Arena Theatre.
- 4 p.m. PAC Children's Theatre (see Nov. 12). Arena Theatre.
- 8:15 p.m. PAC (see Nov. 12). Fairchild Theatre.

Monday, November 15, 1971

- 3 p.m. Academic Senate meeting. Wilson Hall Aud.
- 4:10 p.m. Honors College Lecture Series—Stephen Toulmin will discuss "Conceptual Evolution and Intellectual Ecology." 108B Wells Hall.
- 8:15 p.m. Benefit Concert—Pianists Albertine and Ralph Wotapek will appear with the MSU Orchestra to raise funds for scholarships for the Orchestra and Chamber Orchestra. The program will also feature the Michigan premiere of "Preludio Elegico" by Milanese composer Bruno Bettinelli and Stravinsky's cantata, "Babel," with the men's voices of the Singing Statemen. Tickets are \$2.50, available at the Union Ticket Office. Fairchild Theatre.

BULLETINS

FACULTY MEETING The College of Veterinary Medicine will hold its fall term faculty meeting 3-5 p.m. today in Room A133, Life Sciences Bldg.

STUDENT DIRECTORIES The new student directory is now available. Departmental representatives may obtain copies for departmental use at Room 64, Hannah Administration Bldg.

A FILM PRESENTATION The African Studies Center will sponsor a film presentation, open to the public, at 7:30 p.m. Monday, Nov. 15, in 106B Wells Hall. Included will be "Panoply of Ghana," "Durbar Day," "Ghana Dances," and "Les Ballets Africains." No admission charge.

FACULTY FOLK MTG. The Faculty Folk will hold their November meeting tomorrow at the University Club. Speaker for the 1 p.m. meeting will be Miss Dianne McKaig, executive director of the Michigan Consumers Council. Miss McKaig, a native of Royal Oak, received her law degree from the University of Kentucky and has since served in numerous assignments dealing with consumer interests. Topic for her talk will be "Trends in Consumer Education." Reservations for the nursery may be made by calling Sally Bolen, 351-0423, or Susan Halverson, 337-0184. Members are reminded to purchase tickets for the Christmas party at the Friday meeting. After that date, they will be available only through a University Club member.

Tuesday, November 16, 1971

- noon University Club Luncheon—Guest speaker will be Rep. Earl Nelson, D-Lansing, on "Funding Higher Education."
- 8:15 p.m. Benefit Concert (see Nov. 15). Fairchild Theatre

Wednesday, November 17, 1971

- 7:30 p.m. University Cinema—"The Henry Miller Odyssey" is a film portrait of a "diabolically truthful man," produced by Robert Snyder. Miller, who will celebrate his 80th birthday in December, is considered America's most controversial writer. Tickets are \$1, available at the door. Auditorium.
- 9:30 p.m. University Cinema (see above). Auditorium.

Thursday, November 18, 1971

- 8 p.m. Planetarium Program (see Nov. 12). Abrams.
- 8:15 p.m. Lecture-Concert Series ("B")—The Budapest Symphony Orchestra, now making its American debut is conducted by Gyoergy Lehel. Performing Liszt's "Piano Concerto" will be 18-year-old Zoltan Kocsis, winner of the Beethoven Prize of the Hungarian Radio. Tickets are available at the Union Ticket Office. Auditorium.
- 10 p.m. Planetarium Program (see Nov. 12). Abrams.

Friday, November 19, 1971

- 10 a.m. Board of Trustees, monthly meeting. Board R., Hannah Admin. Bldg.
- 8 p.m. Planetarium Program (see Nov. 12). Abrams.
- 8:15 p.m. Broadway Theatre Series—The musical, Schultz' "You're a Good Man, Charlie Brown," is based on the antics of the Peanuts comicstrip and provides good entertainment for children as well as offbeat adult fun. Tickets are available at the Union Ticket Office. Auditorium.
- 8:15 p.m. Opera Workshop—Menotti's contemporary opera, "Amahl and the Night Visitors," a traditional Christmas program, will be performed by MSU students. This is the first of three performances. No admission charge. Music Aud.
- 10 p.m. Planetarium Program (see Nov. 12). Abrams.

Saturday, November 20, 1971

- 10 a.m. PAC Children's Theatre (see Nov. 12). Arena Theatre.
- 1 p.m. PAC Children's Theatre (see Nov. 12). Arena Theatre.
- 3 p.m. PAC Children's Theatre (see Nov. 12). Arena Theatre.
- 8 p.m. Planetarium Program (see Nov. 12). Abrams.
- 8 p.m. World Travel Series—"There Will Always be an England" is produced and narrated by Charles Forbes Taylor. Auditorium.
- 8:15 p.m. Opera Workshop (see Nov. 19). Music Aud.
- 10 p.m. Planetarium Program (see Nov. 12). Abrams.

FALL BLOOD DRIVE The fall blood drive will be held Monday through Friday, Nov. 15-19, sponsored by Alpha Phi Omega, Gamma Sigma Sigma and the American Red Cross. Hours are 2-8 p.m. Monday through Thursday; and 10 a.m.-4 p.m. Friday in the Shaw lower lounge.

POINSETTIA SALE The MSU Business Women's Club is still taking orders on Christmas poinsettias. Orders may be made by calling 3-5086 or 3-5087. Delivery will be on Dec. 11 and they must be picked up in Linton Hall on that day, or other arrangements for pickup noted with the order. Payment will be due on day of delivery. Three-bloom plants are available in red, white, or pink at \$5. One-bloom plants in red only are \$1.50. Orders must be placed before Nov. 15. Special Project funds are used for Secretarial Scholarships.

RESEARCH FUNDING TALK M. Kent Wilson, Head of the chemical section of the National Science Foundation, will present a talk entitled "Federal Support for Basic Research," at 8 p.m. Wednesday, Nov. 17, in Room 138 of the Chemistry Bldg. His talk is sponsored by the American Chemical Society.

LATIN TOPICS PRESENTED The Latin American Studies Center will host an hour of short presentations on Latin American topics at 4 p.m. Thursday, Nov. 18, in the Union Gold Room. The three scheduled speakers, each giving a 15-minute presentation, are John Hunter on "A Progress Report," Richard Niehoff on "The State of AID," and Irving Wyeth on "The MSU Programs in Progress in Latin America." Open to the public.