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MSU News-Bulletin

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Charge to committee approved

With recommendations from approximately 40 sources, the Steering Committee presented the Academic Council with a proposed composition of an Ad Hoc Committee to Review Academic Governance and a charge to that committee. The council approved both proposals at its Tuesday meeting.

James Bonnen, professor of agricultural economics and chairman of the Steering Committee said that what is needed for the review "is a small intense committee to get the job done."

The committee is to be composed of two students, one graduate and one

undergraduate, nominated by the Elected Student Council; four faculty, including one current or recent chairman or director, nominated by the Committee on Committees; and one line administrator, from the level of dean or higher, to be nominated by the Administrative Group. Each group will nominate twice the number necessary for composition of the review committee. President Wharton will select the review committee from these nominations.

Bonnen stressed that the entire University community is urged to

recommend nominations to the three groups nominating the committee members. Such recommendations should be forwarded to these groups by May 14. Nominations will be forwarded to the President by May 21.

The Ad Hoc Committee to Review Academic Governance is charged by the Academic Council to "define the purpose of academic governance."

Additionally, the committee is charged to "review and evaluate the present system of academic governance." This process should include, but not be limited to, consideration of:

*The purpose and the appropriate and effective means for participation in governance by students, faculty and administrators.

*How the administrative decision structure and the institutions for academic governance should be interrelated in academic policy formulation and decision making.

*How the various judicial structures of the University should be related to the system of academic governance.

*What should be the relationship between the bylaws and policy actions of the departments, schools and colleges, and the bylaws and policies at the University level.

The committee will also "on the basis of its review and evaluation, recommend appropriate actions to improve the effectiveness of academic governance at MSU. The committee shall present its report to the President by Nov. 13, 1973 for transmittal to the Academic Council."

Many members of the council opposed the November 13 deadline.

James Pickering, professor of English, said that the small committee limits expertise. "The committee must consult with people who have this expertise, and many of the people can't

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Wharton tells boards education under siege

Characterizing higher education as being under siege, President Clifton R. Wharton, Jr., said Monday in San Francisco that university trustees and presidents must take the initiative to restore public esteem and confidence to education.

He said current attacks against higher education stem from a number of sources including unmet public expectations, inflation, campus disorders and governmental intrusions. He added that the problems are often aggravated by an adversary stance between the trustees and presidents of the institutions.

Addressing the annual meeting of the Association of Governing Boards of Universities and Colleges, President Wharton said that under the impact of these and other forces, "higher education has drifted away from its central purposes and its most effective service to society."

"If we are to break this siege and to reverse this drift, trustees and presidents must take the initiative," he said. "If higher education is to put its house in order and restore esteem among the various publics, trustees and presidents must develop a joint counterattack."

Stating that the first step was for the trustees and presidents to clarify and understand their respective roles, Wharton traced the change in trustee attitudes from a time when their position mainly was one of defending their institutions to the public.

"By the late 1960s, reacting to apparent institutional inability to cope with disturbances, many trustees began to reorient themselves," he said. "Reversing their accustomed role as interpreters to society, they increasingly functioned in the university as representatives and spokesmen for the wider society."

"Echoing the concern of their constituents over campus unrest and supposed academic intransigence, trustees who once had been advocates and defenders now became interrogators and enforcers, seeking to impose a public conception of order, responsibility and relevance upon the colleges and universities under their guidance."

At the same time, Wharton said presidents were finding difficulty in coping with new problems of confrontation, negotiation and the new forms of labor and human relations

brought on by increased unionization and affirmative action activities.

"For the most part, presidents were powerless to prevent the erosion and fragmentation of their executive authority," he said. "Several court judgments had diluted traditional decision-making procedures, while newly emerging academic governance patterns gave faculty and students ever-greater influence over the administrative process."

Wharton said presidents and trustees must recognize that they share one major characteristic: they are the only individuals with a total institutional perspective - the trustees in terms of policy determination, and the president in terms of policy formulation and execution.

"Such perspectives are indispensable in assigning priorities to goals and groups competing for limited resources, and in dealing with the constituencies which have a vested interest in these priorities," he said.

"These shared perspectives lie at the heart of our joint leadership. We can no longer rely on a dominant board of trustees or a dominant president."

Wharton called on trustees to serve as a bridge between campus and society, acting as interpreters of the complex educational structure while also being the channel for external voices which have a stake in how the university functions.

For their part, he said, presidents must lead, master the new and necessary skills of administration and develop a true partnership with trustees in the identification and solution of policy issues. The president also must seek to use the special competencies of individual trustees which may benefit the institution, he added.

"Despite current public disenchantment, our colleges and universities continue to be critically important social institutions," Wharton concluded. "Although we have in recent years allowed some of them to lose their vitality, their potential exceeds present realities. Indeed, our overarching concentration upon immediate issues and problems too often has blinded us to inherent opportunities for creativity and progress."

"But we can, through the partnership approach I have outlined, restore higher education to its rightful place in society."

AP board to form position

The executive board of the Administrative-Professional Association meets at noon today to determine the group's official reaction to the recently completed evaluation of A-P employee classifications and salary ranges.

The association has been asked to submit its recommendations to the Board of Trustees at its May 25 meeting. The recommendations of the administration will be presented at the same time.

At a meeting of the association Tuesday night, a straw vote of the membership indicated a desire to delay recommendations on the proposed plan until further study of it could be undertaken.

However, a motion to direct the

executive board to reject the plan at this time was soundly defeated, leaving the decision in the board's hands.

William Kenney, president of the association, said the board has had a "love-hate" relationship to the study conducted by the firm of Robert H. Hayes and Associates.

"We've wanted a study like this for a long time," he said, "but now that we have it, we're not so sure."

It has many good features, he emphasized, and seems to be built on sound management principles. But he pointed to many areas of weakness.

He said the point-count system used to evaluate positions was not applied consistently, and that in reviewing

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Two youngsters get a sneak preview of a baby lamb from George Good, a shepherd in animal husbandry. The lamb and other baby animals will be on view Saturday from 9 a.m. to noon for area children and their parents during Small Animals Day, sponsored by the Student Senate of the College of Agriculture. Buses will be available on campus to take visitors to the various University farms.

U seeking 'its share'

MSU is not getting its share of one of the largest businesses in the country — philanthropy, according to the chairman of the firm retained by the University to evaluate its fund raising potential.

George A. Brakeley, Jr., met with the Alumni Association's Development Council Friday (April 27) in Kellogg Center.

He pointed out to them that "philanthropy is a big business in this country. The year before last Americans gave \$21.5 billion."

In competing for that money, however, MSU is "somewhat behind comparable institutions in the nation and the state," he said.

"It's high time that Michigan State got into the marketplace and got its share of that money."

That lag is the reason the position of vice-president for development was created a year ago. It is the reason Leslie W. Scott left a successful business career to return to his alma mater to fill that position. It is the reason the Board of Trustees created the MSU Foundation earlier this year. And it is the reason the fund raising counseling firm of Brakeley, John Price Jones Inc. was hired by the University.

The Brakeley firm has succeeded in helping clients raise more than \$50 billion in its half century of operation. Goals for current clients amount to more than \$1.6 billion.

Among those current clients are UCLA, the University of Michigan, Stanford University, the University of Oregon, and Yale University.

Brakeley told Development Council members that one of MSU's objectives will have to be destroying the notion among some potential donors that a state-supported university doesn't need private funds.

In fact, he told them, donations to public universities are the fastest rising aspect of philanthropy in the country.

Art Loub, managing director of the MSU Development Fund, told the group that in order to conduct the type of campaign likely to be recommended by the Brakeley firm, the Development Fund and the Alumni Association will concentrate in the months ahead on identifying, cultivating and reaching gift sources large and small.

Toward this end, he said, the Alumni Association is improving its basic record keeping and retrieval system, and implementing a number of new efforts through its directors of annual giving, special projects and the Ralph Young Fund.

Clare Jarecki, chairman of the Development Council, told the members that, "A successful campaign is a mandate for the effective utilization of volunteers and is a job for the entire institutional team . . . the president, the trustees, administrators, deans, department chairmen, and faculty, as well as development officers."

Robert K. Hess, program manager for the firm, is directing a six-month fund raising planning and feasibility study in anticipation of a major capital campaign by the University.

The amount that campaign will seek to raise will be determined by the study itself.

Hess explained that the purpose of the study was to "identify the University's public relations and fund raising image, its needs and priorities, and how best to meet these needs

working through the private sector."

It will evaluate the University's strengths and weaknesses from a fund raising standpoint, focusing on such areas of possible support as trustees, faculty, alumni, friends of the University, corporations and foundations.

In addition to financial objectives, the report of the study, due in the fall, will make recommendations concerning the timing of any capital campaign, and the specific projects likely to attract support.

Hess said the study would be conducted in three phases, the first of which is already underway. That involves an institutional questionnaire distributed to about 10 University officers who will respond in detail about their particular areas.

That information will help the firm design a second questionnaire that will be the basis for interviews with a number of key faculty members and administrators. These interviews will be confidential; details will not be provided to the University, though the composite of the information received will be part of the final report.

Thirdly, the firm will interview about 100 alumni, friends of the University, legislators and others around the country.

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be reached during the summer months," he said.

Bonnen said that the Ad Hoc Committee was seen as a "summer task force" and the November deadline was established so that the committee's efforts would be "intensive not extensive."

Other members added that serving on the Ad Hoc Committee could present financial hardships, especially to students and faculty members on less than a 12-month appointment. Financial aid was suggested.

Provost Cantlon said that people have never been paid for committee work.

He added, however, that possible trade-offs could be established in the

. . . A-P meets

(Concluded from page 1)

recommendations late in the study, some administrators consulted with department heads on specific positions while others did not.

The appeal process for employees not satisfied with their classification is "really an insult to one's intelligence," he said. That process involves a chain of command route from the employee to the president, and an individual appeal can be stopped at any point along the way.

"I think we'd be selling the farm to agree to this appeal procedure," he said.

Kenney was also disturbed that the executive board was not allowed to see the recommendations at the time they went from the study firm to the administration.

In more than two hours of discussion by the members, a number of individual complaints and reservations about the plan were voiced, with the point-count system being a major concern along with the position of women in the system.

The report indicated that women and minorities tended to fall in the lower quartiles of their grades.

Several members wanted to know how they could compare their classifications with other individuals on campus. Kenney said a list of individual classifications is available to employees at the personnel office.

Women's, minority programs name assistant directors

The appointments of two assistant directors for the minority and women's program offices in the Department of Human Relations were announced by Joseph McMillan, assistant vice president and director of human relations.

Silas W. Taylor, Jr., has been named assistant director for minority programs, and Christine Wilson will be assistant director for women's programs. Taylor already has assumed his duties, and Mrs. Wilson will report June 4.

The appointments complete the staff of the human relations department which was reorganized late last year from the former Office of Equal Opportunity programs, McMillan said. The department is responsible for the University's affirmative action activities, anti-discrimination machinery and efforts to improve the status of women and minorities at MSU.

Taylor holds a master's degree in educational administration from Eastern Michigan University and a bachelor's degree from Central State University in Ohio. He is a doctoral student at MSU.

Taylor came to MSU after serving as director of a Job Corps Center in Simpsonville, Ky. He previously was an instructor at Kentucky State University and a Mott intern at MSU. Other experience includes four years of elementary teaching in Detroit and Cleveland.

Mrs. Wilson holds a master's degree in education and a bachelor's degree in social work from MSU. Her professional experience includes two years as a social worker and career development officer for the Headstart program in the Lansing School District. She previously was a disability examiner for Vocational Rehabilitation Division of the Michigan Department of Education.

"Both these individuals are excellent additions to the human relations staff," McMillan said. "They will help us carry out the department's expanded duties in behalf of women and minorities."

Taylor is the assistant to Gumecindo Salas, recently named director of minority programs, and Mrs. Wilson will assist Mary K. Rothman, the director of women's programs.

. . . Academic governance review

department of faculty members serving on the Ad Hoc Committee.

He also said that he would see what could be done to provide financial support to students working on the Ad Hoc Committee.

Lester Manderscheid, professor of agricultural economics, said that the November deadline should be maintained because elections to the Academic Council are held spring term. "Moving the deadline to Jan. 1, 1974 (as suggested during the discussion) would delay the review one year, not six weeks," he said.

In other Council action, a Graduate Council recommendation relating to MSU faculty obtaining advance degrees was approved by the council.

The recommendation states that "no MSU faculty member with the rank of professor, associate professor or assistant professor may earn a doctoral degree at MSU. The same restriction applies to any faculty member with the rank of instructor who is on the tenure track."

A friendly amendment, offered by Edward Carlin, dean of University College, states that exceptions to the proposal can be made by agreement with the Provost's Office and the Graduate Council. The amendment was approved.

The proposal limits the restriction to the doctoral degree (Ph.D. or its equivalent). It does not limit faculty members with special needs or interests in earning a master's degree in some field outside their specialty.

Additionally, the limitation has not been applied to the professional degrees since the ultimate certification is by external agencies.

The proposal was recommended to

maintain the integrity of the doctorate degree.

Robert Ebel, professor of counseling personnel services and chairman of the committee which made the recommendation, said that "guidance committee members would have difficulty in regarding one of their faculty colleagues as a typical graduate student, and in judging his work by the same critical standards as are applied to other doctoral candidates."

Current regulations have stated that "an MSU faculty member with the rank of assistant professor or higher may not earn an advanced degree at MSU. He may, however, do graduate work on a non-degree basis."

The new regulations, according to Ebel, provide for greater flexibility and are compatible with the University's lifelong educational goals.

A curriculum report was approved by the council. The report establishes an undergraduate biomedical engineering option for engineering students; establishes a bachelor of science program with a major in engineering arts; modifies the curriculum leading to the degree Doctor of Osteopathy; and revises the bachelor of science program, with a major in landscape architecture and the professional bachelor of landscape architecture program.

Bonnen also told the council that he was seeking an extension from the Board of Trustees for the Interim Faculty Grievance Procedure. The procedure is due to expire May 19. The extension is needed until the final document is approved. The Faculty Rights and Responsibility Committee is currently finalizing the document.

Achievements

JOHN N. FERRIS, agricultural economist, has been appointed as a staff member to the Committee on Food of the President's Cost of Living Council. The appointment is for four months. His major responsibility will be to study and help develop new farm legislation to replace the Agricultural Act of 1970 which expires this year.

Ferris will also advise a

subcommittee on meat and livestock whose primary function is to monitor and forecast meat prices and advise the council on government policies related to the meat industry.

The newly developed Committee on Food is part of President Nixon's Phase III program. The Cost of Living Council was established as part of Phase I in August, 1971.

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Around the campus: A summary

Ag lecture today

Hamish N. Munro, renowned nutritionist and professor of physiological chemistry at Massachusetts Institute of Technology, will be the 1973 Distinguished Lecturer in Agriculture and Natural Resources today and Friday (May 3 and 4).

The Scottish-born scientist will give a general lecture, open to the public, on human protein requirements during growth, maturity and old age at 8 p.m. tonight in the auditorium of the Engineering Building.

His visit to MSU is sponsored by the College of Agriculture and Natural Resources.

Munro will also head two seminars in 158 Natural Resources Building. The first, at 10 a.m. today is titled "Dietary Regulation of Protein Metabolism in the Whole Animal." The second, at 10 a.m. Friday is "Ferritin: Its Function in Iron Metabolism and Its Structural Forms in Normal and Malignant Tissues."

Munro received his doctor of science degree from the University of Glasgow in 1939. Before joining the faculty of MIT in 1966, he held a tutorship in medicine at the Victoria Infirmary, Glasgow; was lecturer, reader and professor of biochemistry at the University of Glasgow; and a Rockefeller Fellow at the University of Illinois.

He is the author or coauthor of 275 publications and abstracts in professional journals and a four-volume text on mammalian protein metabolism. The most recent of his many national and international nutrition awards is the Osborne and Mendel Award presented to him in 1969.

Macro-course tried

Results of an ad hoc program of three university professors who informally coordinated their courses into a 12-credit macro-course on a broad subject are discussed in the current issue of the "University College Quarterly."

Philosophy professor John Immerwahr, of Oakland University, formerly a division of MSU, said the macro-course design has advantages for students and faculty.

He and colleagues in English and history devised a macro-course in the history, literature and philosophy of the 18th century. They arranged a four-hour block of time, three days a week, with a break for lunch. Non-class activities included field trips and play reading. Resource people from campus and outside spoke on the art, music, and science and economics of the period.

The students became so involved that they organized an 18th Century dinner for themselves and their professors.

The ways in which the innovative program solved student problems included the replacement, by the single course, of a large number of unrelated courses competing for student time and energy, he said. In addition, the course eliminated or reduced the vacuum that can occur in academic areas by abolishment of course requirements.

Students inclined to give less attention to pass-fail courses, Immerwahr suggested, should be allowed to make prior agreement with instructors on the number of variable credits and quantity of work to do in such courses.

In summary, he said macro-courses work against competition for students' time, provide a common intellectual background, integrate students' intellectual and social lives, allow new steps toward traditional academic goals, and provide instructors with the professional benefits of team teaching.

NSF grant awarded

Six MSU undergraduate students have received a \$16,000 grant to devise methods of soil analysis which can be used in criminal investigations.

The students originated the proposal and are solely responsible for all aspects of the research under funding from the National Science Foundation Student Originated Studies Program.

Project director Vicki Styles, a senior majoring in zoology from Jackson, said that present methods of soil analysis are not accurate enough to prove comparisons within the "reasonable doubt" required in court proceedings.

The students will use an interdisciplinary approach to research, including physical, chemical and biological analysis, mapping, and correlations with criminal justice procedures. The project will run from June 11 to Aug. 31.

Miss Stygles said that because of the limited research time the students are trying only to lay the initial groundwork for further research.

"Very little has been done in this area," she said. "We hope to provide agencies with enough information to set them on the right paths for further investigation."

Faculty advisers are available to the group for reference only. Under the grant the students must arrange for equipment and supplies, hire research assistants, devise their own methods, and be responsible for compiling and reporting their results.

The proposal was selected from more than 700 others from across the nation to receive the grant.

Other students who submitted the original grant proposal were Nancy Borg, a chemical engineering sophomore from Romeo; Sharon Weeg, a police science sophomore from Detroit; Lorraine Peetrak, a criminal justice sophomore from Wilkes-Barre, Pa.; Peter Meilinger, a chemistry junior from Grand Haven; and Christine M. Smith, a criminal justice graduate from Plainwell.

PBK elects Tomkins

The Epsilon of Michigan chapter of Phi Beta Kappa elected new officers and selected 109 students for membership at its spring meeting April 25.

Mary Tomkins, associate professor of American Thought and Language, will succeed John F.A. Taylor, professor of philosophy, as president July 1. She has served as vice-president of the chapter during the current year.

J. Sutherland Frame, professor of mathematics, was elected vice-president, and C.L. Schloemer, professor of natural science, and George R. Price, professor of English, were re-elected to their respective posts as secretary and treasurer.

The 109 undergraduate students elected to the society were in addition to 62 students elected to membership at the fall meeting of the chapter.

New members will be initiated in the Big Ten Room of Kellogg Center at 7:30 p.m. on May 11. At that dinner, honorary memberships in the society will be awarded to Robert E. Brown, professor of history; Fritz Herzog, professor of mathematics; and President Clifton R. Wharton, Jr.

President Wharton will give the traditional PBK "oration," speaking on "Excellence in the Pluralistic University."

Digressions

THREE YEARS AGO

Addressing the MSU chapter of the American Association of University Professors, President Clifton R. Wharton, Jr., said "This University paradoxically does not recognize its greatness — even while others do. Universities, like humans, are subject to 'lags' in their perceptions of themselves. MSU is no exception. The traditional image of being a 'cow college' or 'moo U' dies hard. And yet, the evidence of true greatness is readily manifest."

TWO YEARS AGO

Members of the campus community and the public will have a chance to inspect the new day-care facility for children of married students during an open house Sunday. Proposed last year by a student-faculty coordinating committee and authorized in January by the Board of Trustees, the 10-unit, prefabricated facility opened earlier this month to 70 children, from infancy to 6 years old.

ONE YEAR AGO

Two resolutions — one urging a "speedy end" to American military involvement in Indochina and the other asking President Nixon "to declare an immediate cease fire" in Vietnam — were passed by the Board of Trustees.

Teen clinic opened

An Adolescent Service has been opened in Olin Health Center as a joint project of the Departments of Human Development and Medicine of the College of Human Medicine.

The clinic, located on the third floor of Olin, receives consultations from private physicians, school nurses, and social workers of patients between 12 and 20 years of age with chronic diseases such as sickle cell anemia, diabetes, asthma, arthritis, growth disturbances, obesity and endocrine problems, as well as others.

In addition, the clinic is planning to give primary care to a limited group of adolescents on a selected basis who do not have private physicians.

The MSU student population will continue to be seen through normal Health Center channels.

Dr. Georgia A. Johnson is director of the service, and Dr. Mary Ryan is program director.



Dick Wesley, a University photographer for 17 years, was honored by the University Photographers Association of America at the group's annual meeting held here last week. Four of six photographs entered in competition by Wesley were honored. Wesley (right) receives certificates from Charles Eshbach of Michigan Technical University, who was program chairman. His four winning photographs are in the background.



ELSIE EDWARDS

Elsie Edwards retires

MSU's loss will be Dugger, Indiana's gain.

MSU, and more specifically the Speech and Hearing Clinic, is losing the determination, expertise and vitality of Elsie Edwards. Miss Edwards, associate professor of speech and audiology, is retiring at the end of June.

A member of the faculty for 28 years, Miss Edwards has been instrumental in the growth of the Speech and Hearing Clinic and she said, "I've set up every speech correction program in public schools around this area. But it's time to retire and I'm looking forward to it."

Miss Edwards came to MSU via Indiana Normal School (now Indiana State University) where she received her B.A. in education and her M.A. in the relatively new field (at that time) — speech and hearing. She received her doctorate in education at Wayne State University.

She then joined the East Lansing Public School system. "However, I came to MSU because I thought I could make a greater contribution teaching teachers than being a teacher," she said.

She added that she also brought expertise to her University position "because I had taught in rural schools, every elementary grade, junior high and high schools."

It is this expertise that Miss Edwards hopes to use in a public schools speech and hearing textbook that she "someday" plans to write. "I want to get down to the real nitty-gritty of the field in a book," she said.

According to her, this writing task will have to be postponed for a while.

"I am currently involved in writing a history of the growth and development of MSU's Speech and Hearing Clinic," she said.

Miss Edwards said that her lifetime hobby has been working with young children with language disorders.

"I have learned that the needs of the child are more important than the needs of a textbook," she said. "Often schools schedule speech correction when a child is doing something interesting or entertaining. This makes the speech correction unlikeable to the child. You should always place the child's needs first."

Miss Edwards said that she has watched the growth of the University and the growth of her field. When she first came to MSU in 1945, there were 12 students in a methods class for speech and hearing. "This year we have approximately 275 students in speech and hearing," she said.

During her years in the department, Miss Edwards has placed and supervised students in every section of the state. She has also given clinics in speech correction for classroom teachers through the Continuing Education Service.

"These clinics have been given in such places as Benton Harbor, West Branch, Bay City and Grand Rapids, and I often wouldn't get home until 2 a.m.," she said, "but I was back in the classroom at 8 a.m. the same day."

Miss Edwards said that she looks forward to retiring and returning to her hometown of Dugger on the land where she was born. She plans to live with her sister.

But before she "settles down," Miss Edwards has other plans. "My sister and I are traveling all over the country in my six-sleeper camper," she said. "We are going to travel with the weather and get away from snow and ice for a while."

Traveling isn't new to her. She has had her camper for two years and has put it to good use. Additionally, she has traveled outside the United States to places in Europe, Africa and the Caribbean.

Miss Edwards said other things that will occupy her retirement years are occasional workshops and consulting work and her professional associations. She is a member of Michigan and national speech and hearing associations and is a life member of Alpha Delta Kappa, teachers honorary.

—SANDRA DALKA

Pay lags, AAUP says

During the current academic year, the average American fared better in per capita personal income than the average college and university professor according to a report released last Saturday by the American Association of University Professors.

In its annual report on the Economic Status of the Profession, the AAUP reported that compensation for faculty members increased an average of 5.0 percent in a remarkably constant way across academic ranks while per capita personal income increased by 7.7 percent.

"This has been a year of watchful waiting for the profession and the great uncertainties with which the year began — the adequacy of sources of funding for higher education, the troublesome rate of inflation, the uncertain spread and impact of collective bargaining, the extent to which the adverse market forces would lead to a further loss of status of the profession — are still present at the year's end," the report said.

"The cutbacks in federal funding have begun to impinge seriously on certain parts of academic budgets and their impact will surely be greater in the years ahead," the report points out.

Last year's AAUP report on the Economic Status of the Academic Profession described the academic year 1971 - 72 as "the worst year so far" in the 15-year history of the survey. That report said that the downward trend in salary and compensation increased in the face of sharp rises in living costs had led to a significant erosion of the real income of the average faculty member.

This year's statistics indicate that the year 1972 - 73 represented some improvement in faculty compensations but that these modest improvements may be eroded in the immediate future by the high rate of inflation. The 5.0 percent increase in compensation, however, is, with the exception of last year, the smallest increase in all other recent years.

"The real (constant dollar) value of the average faculty salary remains below what it was three years ago and the prospect of greater reduction in the years ahead is unmistakable," the AAUP said.

"This prospect is the joint product of too few funds available and too high a rate of inflation. There is nothing in the factors surrounding the academic market place that promises a reversal of the conditions of stringency and exigency that face both public and private institutions of higher education and thus also their faculties. If we are to be spared a resumption of the process of salary erosion, we must rely on the success of the efforts to control and reduce inflation," the report points out.

The report also observes that the highest salary increases this year were won by those faculty members who were lured to new positions rather than those who stayed in their present faculty positions.

Watergate

The American Association of University Professors adopted the following resolution at its annual meeting in St. Louis, Saturday, April 28. It was released by national president Walter Adams, distinguished professor of economics at MSU.

"The Fifty-ninth Annual Meeting of the American Association of University Professors profoundly regrets the Watergate Scandal and is alarmed at the breakdown in law and order, the decay of public morality, and the excessive permissiveness of which this incident is symptomatic.

"That all the persons allegedly involved in the felonious and fraudulent affront to freedom and fair play are graduates of American institutions of higher education, causes us to grieve that we failed in not helping them to overcome their character defects and asocial and larcenous propensities while they were in our tutelage.

"Having the courage and humility not to cover up our past wrong-doing, we urge that university professors confess their sins of omission and combat the tragic example given to their students by lawyers who allegedly flout the law, administrators who allegedly manipulate the truth. We dedicate ourselves to trying harder to steer this generation of students away from a life of crime and toward an enhanced respect for the Constitution, justice, and ethics."

Archives and Historical Collec

The MSU Archives and Historical Collections, located in the east wing, ground floor of the Library, looks more like a warehouse than the valuable corpus of University records and historical documents that it is. Hundreds of boxes, each a cubic foot in area and containing up to 2,000 individual papers, stare out at the visitor from their metal perches and create an imposing sense of impersonality.

In effect, however, the boxes enclose the personal and professional records, diaries, letters and other documents of the men and women who, over a period of 117 years, built one of the country's major universities. They also contain records of the passage of the Morrill Act and the growth of the Land Grant system, as well as diaries and letters depicting rural Michigan in the 19th Century, and nearly 500 collections of material of state and national historical interest.

In charge of all this is a former University professor and administrator who "retired" recently as dean of university services and secretary to the faculties only to take on new responsibilities as MSU's first archivist and assistant dean for continuing education of the College of Arts and Letters.

William H. Combs' interest in University records goes back nearly 30 years, however, to the mid - forties when he was administrative assistant to

President John A. Hannah for academic affairs.

"During those years Joseph Stack, who was then director of the Museum, and I began talking about the place of the museum on campus," Combs recalls. "Stack solicited the help of county extension agents to help collect artifacts of early rural Michigan with the intention of showing the impact of the Morrill Act.

"In the course of collecting these artifacts, which were stored in the old cavalry barn across from the State Police Post, a large number of documents were also uncovered; family

records, diaries, business ledgers and many other papers."

These papers became the basis of the University Historical Collections and which has grown to be of national importance.

Included within the collection is the Land Grant Research Center Collection comprised of microfilm copies of the papers of prominent people in Congress at the time the Morrill Act was passed.

"This collection is far from complete," Combs explains. "We are still searching for the records of southern congressmen and senators who were present when the Morrill Bill was



WILLIAM COMBS



LLOYD COFER

Cofer is elected

Lloyd M. Cofer, consultant to the provost at MSU and a trustee of Central Michigan University since 1963, has been named chairman-elect of the Washington-based Association of Governing Boards of Universities and Colleges (AGB).

His election was announced Monday at the National Conference on Trusteeship in San Francisco attended by some 600 trustees and regents. The election places Cofer in line to become chairman of the AGB Board of Directors in 1974.

Cofer is a native of New York City and a graduate of Tufts University in Massachusetts and Wayne State University in Detroit. An educator since 1930, he has also been active in church and youth activities for many years.

The AGB is a nonprofit, higher education association founded in 1964 to provide information and services to trustees of all types of institutions of higher education. Cofer, active in the association for a number of years, is a member of the board of directors and the program committee.

Baker's labs include mink ranch

Rollin Baker thinks the general citizenry ought to know that milk doesn't come in bottles. And that mink coats are made from 55 pelts — 55 furry, unfriendly animals are raised and skinned solely to coat one woman.

Tapping on the paneled wall of his office, Baker explained that the urban-bound people of today are not aware of the processes a product goes through before it reaches the consumer.

For this reason Baker, director of the museum, accepted an offer to teach Zoology 301 about five years ago. With the help of graduate assistants, the course was changed from a birds and nature course to one that stresses nature and man. There is no textbook for Zoology 301.

Baker said that in the old zoology textbooks, the last chapter is devoted to man. "We make man out to be a complete spoiler, but man is just one of the inhabitants of the earth. The weak fall where they may and some of the species of animals and plants had to go. With land-use practices, something will be destroyed.

"But there should be a place for everything...even the wolves and the grizzly bears," he continued.

Baker refers to the ecology movement of the age and the number of courses available on campus connected with environment and man. He labels the lecture part of Zoology 301 as "just another mickey mouse ecology course."

What singles it out are the once-a-week field trips (attended faithfully even during the Spring 1969 strike) which provide students with the "earthy" aspect of our environment. Nature is the textbook.

In high school, Baker had a course that took him on field trips to an insane asylum and a water plant. They had a tremendous impact on his understanding. He felt that a course of this nature was needed for the general student who rarely gets out in the field. And at MSU, a class can actually walk away from the classroom to look at various aspects of nature in a two-hour lab period.

So at the mink farm, his students watched the skinning of a mink. They learned that mink farming and breeding takes pressure off of the wild mink — therefore providing an example of how



A barn turns classroom for Rollin Baker's (left) zoology course.

man can work with nature to fulfill his needs and desires without harming his environment.

The Animal Breeders Cooperative, Inc. provided students with a second example of man's interaction with nature. A tour of the bull pens, slides and discussion on artificial insemination showed students the first step to our improved meat and dairy products.

The term schedule also includes trips to the Lansing Sewage Disposal Plant, the Carl G. Fenner Arboretum, the diagnostic laboratory at the College of Veterinary Medicine, the Pesticide Research Center, the Muck Experimental Farm, and Rose Lake Wildlife Research Station.

Baker holds membership in over 35 societies (from the Wildlife Society to the Animal Behavior Society and the Human Ecology Society), has traveled and done field research since 1936 (in North Africa, the Caribbean, Wyoming, Colorado, Mexico, Argentina, Brazil, Panama, Costa Rica...), and has over 114 publications to his credit (from "Are hunting laws fair to squirrels?" to

a recipe for arnadillo sausage in "The Explorer's Cookbook").

Because "a professor doesn't know everything," Baker feels that the labs give students an opportunity to be exposed to experts in all fields of environmental education. They receive different interpretations and views.

Baker uses the two lecture periods a week to give the students a solid base and tie the course together. He often comes to class with boxes of stuffed mammals. Besides their use as an illustration, they create a diversion and keep the students interested. Baker imagines the students wondering, "What's that crazy guy going to have today?"

Baker informs his 120 students the first class period that they will gain a different viewpoint and appreciation for the more earthy aspects of man and nature involvement, that as citizens the course will introduce some things that will be of assistance in voting with today's environmental platforms.

He keeps his word.

—JANICE HAYES

lections: repository for University's records

initially passed in 1858 but who were absent due to the Civil War when it actually became law in 1862." (The bill was passed by both houses in 1858 and 1859, but was vetoed by the President James Buchanan. It was passed again in 1862 and signed by Abraham Lincoln.)

It was also while Combs was working in Hannah's office that he recognized that the University's own records, many of which were of historical significance themselves, were not organized in such a way to insure against some valuable documents being discarded once there was no more use for them.

"It was all too common, and still is, that when file space was needed the oldest papers were thrown out to make room for current needs," Combs says. "In the process, many significant documents were being lost."

Since taking over the responsibility of preserving the University's records, Combs has served as a funnel for old documents, collecting them from departments and other units, sorting out the valuable papers and destroying the useless ones.

"Few people realize the expense involved in storing old records in office files," he says. "By one estimate, it costs about \$5 per year per cubic foot to store records in prime office space. We can store the same material for between 40 and 60 cents per year."

He points out that with the vast number of documents generated by a

University the size of MSU, it becomes necessary purely from a financial standpoint to weed out those records that have no current use, long range administrative value, or historical significance.

But the transfer of records to the center does not make them inaccessible to the original holder. Arrangements can be made to have them retrieved as needed.

Although the Historical Collections and Archives are housed in the Library, they are jointly administered by the Offices of the Provost and the Executive Vice President and Secretary to the Board of Trustees. This is because research value, the most visible purpose of the collections, is only one reason for their existence.

The archives also contain records that are required by law to be preserved, and these materials are sometimes used for administrative purposes.

The materials do not circulate. Access to them is limited due to the fragile condition of many of the documents and, frequently, by confidential restrictions placed on them.

University officers, staff, faculty, alumni and other donors may specify the restriction placed on their personal papers. They may be "sealed" (completely unavailable even for processing, usually for a specified number of years), "closed" (processing permitted but use only through written

permission of the donor), "restricted" (access at the discretion of the archivist), or "open" (access controlled only by the physical condition of the record).

The Archives contains collections ranging from individual letters to the massive compilation of former President Hannah's papers that involves between 150,000 and 180,000 pages.

Precautions are taken to see that the documents placed in the archives are not needlessly detrimental to individuals. Administrative records of the Health Center, for example, are included, but patient records are destroyed when they serve no further purpose. Similar care is taken with records of the Department of Public Safety.

Combs has two ongoing concerns: he wants to insure that all significant University documents are collected and preserved, and he wants to expand the size and scope of the Historical Collections.

Through memorandums to department chairmen, deans, administrators and office managers, he has emphasized the importance of contacting his office before old documents are thrown away or destroyed. He also encourages anyone associated with the University to donate their papers to the archives.

Combs says that part of the work of the archivist today involves a records

management and control function. To assist offices on campus in the handling of records, he and his assistants have prepared a "Records Control Manual," that will be distributed to University offices within the next few weeks.

One of the objectives of collecting is to fill in the chinks in recorded history. The processing of the Hannah papers revealed that there were gaps, not chinks, in recent University history. In an effort to fill in some of those gaps, Combs sent letters to all retired faculty members and officers, asking that they write reminiscences of MSU, not confining themselves to the Hannah era alone. Supplementing this effort, James H. Denison, retired assistant to the president for university relations, is enlisting many retirees in making tape recordings of their reminiscences to establish an oral history collection.

In expanding the Historical Collections, Combs is hampered by lack of funds and competition from other universities in the state.

"We are losing out in the collection of documents off campus," he explained. "The University of Michigan and Wayne State University have full-time collectors in the field and Western Michigan and Central Michigan have part time people. We have none."

Hopefully, this situation will be corrected within the year, he said.

—MIKE MORRISON

The Arts



Writers conference, Orchesis and Votapek duo highlight week in arts

BY FRED BRUFLOTT

"Imagism and Beyond" is the theme of a conference for writers, students and readers of modern poetry which begins today and continues through Saturday in Kellogg Center Auditorium.

A number of prominent writers will participate in the conference which has been held each spring since 1961 by MSU's English department.

Donald Hill, professor of English from the University of Michigan, will discuss author T. S. Eliot at 8:30 p.m. today. Friday, Hill, Robert Creeley and John Untrecker will read some of their own poetry.

Other speakers on the program include James Guimond, James Laughlin, and Roger Meiners.

The speakers will discuss T. S. Eliot, Hemingway, W. B. Yeats, D. H. Lawrence and Ezra Pound - authors who shaped the direction of most 20th century writing.

Conference chairman Linda Wagner, professor of English at MSU, says the conference is a fine opportunity to meet a number of contemporary writers from all parts of the country. While there is a fee for the entire conference, individual sessions may be attended without charge, she said.

Dance Concert

Orchesis, MSU's modern dance company, will present its spring concert beginning at 8:15 tonight in Fairchild Theatre and continuing through Saturday.

A concert highlight will be a modern ballet version of Lorca's play, "Blood Wedding," adapted by Frank Rutledge, theatre department chairman and Dixie Durr, assistant professor of health, physical education and recreation and Orchesis advisor.

Music will be that of the Spanish composer, Manuel de Falla.

There will also be several student choreographed works featuring music by a variety of composers as well as a diversity of dance styles and directorial approaches.

Lighting for the concert will be the work of Donna Arnink, instructor in theatre, who, according to Miss Durr, "approaches lighting as a very important aspect of dance."



JOHN CAREWE

Piano Duo

Pianists Ralph and Albertine Votapek will be heard in their second duo recital on campus at 8:15 p.m. Saturday.

The Votapeks presented their first duo recital at MSU in 1971. Since then, they have performed as a duo with the MSU and Lansing Symphony Orchestras and presented a duo recital in Texas.

They will perform Schubert's "Grand Sonata, Opus 30, in B Flat" for four hands, Stravinsky's "Concerto for Two Solo Pianos" (1935), and Rachmaninoff's "Second Suite for Two Pianos, Opus 17" (1901).

Ralph Votapek, who joined the MSU music faculty in 1968 as assistant professor of music, continues to combine a concert career with teaching duties.

Ralph and Albertine Votapek met at the Juilliard School of Music where they studied piano with Rosina Lhevinne and received master of music degrees.

Mrs. Votapek received the B.A. degree from Mannes College of Music in New York. Ralph Votapek is a graduate of Northwestern University.

MSU Symphony

Michigan State University's Symphony Orchestra will present its first concert under guestconductor John Carewe of London, England, at 4 p.m. Sunday, in Fairchild Theatre.

Carewe is the third guest conductor in the MSU Orchestra's First International Festival which has brought conductors from Bulgaria and Czechoslovakia to MSU during fall and winter terms.

Wagner's "Meistersinger Overture" will open the concert which will also include "Three American Dances" by James Niblock, professor and chairman of the MSU music department.

Violinist Walter Verdehr, assistant professor of music, will be heard in "Concerto No. 5 for Violin and Orchestra, Opus 37" by Henri Vieuxtemps. Verdehr, who is first violinist with MSU's Beaumont String Quartet, is a graduate of the Juilliard School of Music.

Carewe will also conduct works by two British composers - Gerard Victory's "Scathain (Miroir)" and Benjamin Britten's "Four Sea Interludes from Peter Grimes (1945)."

Carewe began his studies under such distinguished conductors as Roger Desormiere and Walter Goehr. In 1953 he attended the conductors' course of the International Summer School of Music under Igor Markevitch and Wolfgang Sawallisch, and in 1956 he began a year of study at the Paris Conservatoire National with Olivier Messiaen, Max Deutsch and Pierre Boulez.

From 1966 to 1971 he served as conductor of the BBC Welsh Orchestra, bringing that group into the front ranks of Britain's national orchestras.

Jazz Festival

Jazz pianist John Mehagen will be the guest artist at the fourth annual Phi Mu Alpha Sinfonia Jazz Festival. Mehagen, backed by MSU Jazz Lab Band I, will be heard in concert at 8 p.m. in the Erickson Kiva.

Mehagen, who served as a jazz instructor at the Juilliard School of Music, will also participate in the judging of a number of competing high school jazz bands Saturday morning and afternoon.

Mehagen will also present a clinic on jazz improvisation.

Those wishing to hear the competition and the clinic in the Music Building may do so without charge.

Wind Concert

Clarinetist Elsa Ludewig-Verdehr will be heard as soloist with MSU's 50-member Wind Ensemble in a concert Monday in Fairchild Theatre. Mrs. Ludewig-Verdehr, associate professor of music, will perform Alvin Etler's "Concerto for Clarinet."

The Wind Ensemble, conducted by Kenneth Bloomquist, professor of music and director of bands, is MSU's top band organization consisting of graduate students and advanced undergraduates.

Other works include "La Fiesta Mexicana" by H. Owen Reed, professor of music; "Scenes" by Vern Reynolds; and "Serenade in D Minor" by Anton Dvorak.

Retirees to be honored

A total of 1,202 years of service to the University will be represented by 46 faculty members retiring this year.

A luncheon honoring the retirees will be held Friday, May 4, in the Big Ten Room of Kellogg Center, preceded by an informal reception in the Centennial Room at 11:30. Past retirees are also invited.

Music will be provided by the Geriatric Six + One, a jazz group composed of faculty members.

Longest term of service among the retirees belongs to Mary J. E. Woodward, assistant professor in the Cooperative Extension Service. She has been with the University for 40 years.

Other retirees are: Edna J. Alsup, extension home economist, Cooperative Extension Service; Munnis A. Caldwell, extension horticultural agent, Cooperative Extension Service; Robert L. Carolus, professor, horticulture; Maurice W. Day, assistant professor, forestry; John C. Doneth, professor, agricultural economics; Karl C. Festerling, county extension director, Cooperative Extension Service; Joseph L. Heirman, county extension director, Cooperative Extension Service; Russel G. Hill, professor, resource development; Karl E. Larson, county extension director, Cooperative Extension Service; Elizabeth E. Nickell, extension home economist, Cooperative Extension Service; George S. McIntyre, director, Cooperative Extension Service.

Also retiring are: Irving L. Dahljelm, assistant professor, microbiology and public health; C. Cleon Morrill, professor and chairman, pathology; E. Paul Reineke, professor, physiology; Louis A. Doyle, professor and associate director, Continuing Education Service and Administration and Higher

Education; Lawrence E. McKune, professor and director, University of the Air; Keith B. Odle, associate professor, overseas study; W. Lowell Treaster, professor and director, Information Services; Stuart A. Gallacher, professor, German and Russian; John B. Harrison, professor, history; Ralph C. Henriksen, professor, art; Walter H. Hodgson, professor, music; Arthur W. Sirianni, associate professor, romance languages; Arnold L. Williams, professor, English.

Other retirees are: Harry G. Brainard, professor, economics; William F. McIlrath, lecturer, journalism; Charles P. Pedrey, associate professor, audiology and speech sciences; Willa Norris, professor, counseling, personnel services and educational psychology; Troy L. Stearns, professor, secondary education and curriculum; Theodore W. Forbes, professor, psychology; William H. Form, professor, sociology; Carl S. Gerlach, professor, urban planning and landscape architecture; W. A. Goldberg, professor, criminal justice; Milton Rokeach, professor, psychology; Bernice D. Borgman, professor, family and child science; Beatrice F. Leonardson, assistant professor, human ecology; Rosalind B. Mentzer, professor and assistant dean, human ecology.

Also among the retirees are: Jack C. Elliott, professor, Lyman Briggs College; Beryl H. Dickinson, professor, physics; Fritz Herzog, professor, mathematics; Charles N. McCarty, professor, chemistry; Karl L. Schulze, associate professor, civil and sanitary engineering; Charles C. Sigerfoos, associate professor, mechanical engineering; Stephen G. Stevens, assistant professor, engineering instructional services; Howard L. Womochel, professor, metallurgy, mechanics, and materials science.

MSU Positions Available

IMPORTANT: Administrative - Professional and Clerical - Technical applicants should contact the Employment Office at 353-4334 by May 8, 1973 and refer to the vacancy by the position number. Fuller descriptions of positions are available in departmental postings. Instructional staff applicants should contact departments noted.

FACULTY

Asst. Prof. in Dept. of Agricultural Economics (Ph.D. in Agr. Economics) Ability to conduct farm management research and related extension education programs with opportunities for on - campus teaching.

Contact: Harold M. Riley, Acting Chmn. Agr. & Natural Resources

Asst. or Assoc. Prof. of Communication Arts (Ph.D.) International/ Cross - Cultural Communication; diffusion of innovations. Emphasis is on behavioral research / teaching in the substantive areas indicated.

Contact: Erwin P. Bettinghaus, Chmn. Communication Arts

CLERICAL - TECHNICAL

364. Office Asst. VII (10 mo. position) Assistant Career Information Specialist. B.A. with emphasis in social science. Provide assistance to Univ. students in the selection

and use of occupational library resource materials, with emphasis on directing their attention to career information in appropriate related areas beyond their immediate interest. \$3.59 - 4.60/hour

365. Sr. Dept. Secretary VII - Bookkeeping, excellent typing, administrative ability for general office operation. \$3.20 - 3.98 / hour

366. Sr. Dept. Secretary VII - Typing, some shorthand, knowledge of bookkeeping for preparation of budgets and balancing accounts; patience and ability in dealing with foreign students; dependability important. \$6,660 - 8,272

367. Dept. Secretary V - Typing, shorthand, & transcribing skills. \$6,267 - 7,389

368. Sr. Clerk - Stenographer V - Type 60 wpm; general office work. \$6,267 - 7,389

369. Dept. Secretary V - Type 65 wpm; knowledge of MSU Ledgers. \$6,267 - 7,389

370. Dept. Secretary V - Departmental bookkeeper familiar with MSU system. \$3.01 - 3.55 / hour

371. Sr. Clerk IV - Accurate typing; receptionist. \$5,735 - 6,926

MICHIGAN STATE UNIVERSITY IS AN EQUAL OPPORTUNITY EMPLOYER

BULLETINS

ANTIQUE GROUP

The Faculty Folk Antique Group will meet at 9:30 a.m., Tuesday, May 8, at the home of Mrs. R.V. Jupp, 915 Collingwood, East Lansing, to discuss antique dolls. For information, call Dorothy Goodrich, 332-4648, or Norma Guyer, 332-6227.

ENGLISH LECTURES

Lectures sponsored by the Dept. of English include poetry readings by Robert Creeley, SUNY at Buffalo, and John Unterecrer, Columbia U., at 4 p.m., Friday, May 4; "After Imagism: The Art of Charles Sheeler, Walker Evans and William Carlos Williams" by James Guirnard, Rider College, at 8:30 p.m., May 4; and "D.H. Lawrence: The Poetry and the Prose" by Louis Martz, Sterling Professor of English, Yale, at 9:30 a.m., May 5. All presentations are in Kellogg Auditorium.

CONFERENCES

May 4-5 Conference in Modern Literature
May 7-8 Cooperative Nursery Schools Conf.
May 7-11 Fire Insurance Workshop, Higgins Lake

UNIVERSITY MAPS

The large colored map of MSU has been printed and is available in quantity for use by faculty and staff. Also, limited number of university facts books, "This is Michigan State University," are still in supply. Both of these may be had by calling the Dept. of Information Services, 5-2263.

CHINA LECTURE

Cho-yun Hsu, professor of Chinese history and sociology at the U. of Pittsburgh, will speak on "A Tale of Two Societies: Chinese Divided by the Taiwan Strait" at 3 p.m., Wednesday, May 9, in 101 S. Kedzie. Author of *Ancient China in Transition*, Hsu will discuss the basic differences of the developments in mainland China and in Taiwan during recent decades. The lecture is sponsored by the Asian Studies Center and Anthropology, History, and Sociology.

May 9-10 Effective Dietary Management
May 9-11 Big 10 Campus Planners and Maintenance Supervisors
May 9-12 Marketing Profit Analysis in the Business Enterprise

EXHIBITIONS

Kresge Art Gallery

Undergraduates and M.A. students are participating in the annual Student Exhibition with examples of work from all of the various sections of the art department. The exhibition offers a comprehensive view of the varied activities that take place in the department at different levels.

Museum

Artisans Hall, Floor C East: A new exhibit on Dollcraft of the Frontier features unusual primitive dolls. Street vendors of New Orleans, apple-headed dolls, a pair made of corn cobs with hickory nut heads, a Plains Indian man and a Civil War lady complete the case.

SEMINARS

THURSDAY, MAY 3, 1973

Dietary regulation of protein metabolism in the whole animal. Hamish H. Munro, professor of physiological chemistry, Massachusetts Institute of Technology. 10 a.m., 158 Natural Resources. **Agriculture and Natural Resources.**

Protein requirements of man during growth, maturity and old age. Hamish N. Munro, professor of physiological chemistry, MIT, 8 p.m., Engineering Auditorium. **Agriculture and Natural Resources.**

Where the atoms are: surface spectroscopy by electron scattering. C.B. Duke, Xerox Corp., 4:10 p.m., 120 Physics-Astronomy. **Physics.**

Roy Medvedev: his historical analysis and his political program. David Joravsky, professor of history, Northwestern U., 8 p.m., 301 Agriculture. **Russian and East European Studies Program.**

FRIDAY, MAY 4, 1973

Ferritin: its function in iron metabolism and its structural forms in normal and malignant tissues. Hamish N. Munro, MIT, 10 a.m., 158 Natural Resources. **Agriculture and Natural Resources.**

Rawls' conception of the basic question of morals: its difficulties and an alternative. Richard B. Brandt, U. of Michigan, 8 p.m., 109 S. Kedzie. **Philosophy.**

The morphological structural of biological membranes, as revealed by electron microscopy. Kurt Muhlethaler, Federal Institute of Technology, Zurich, Switzerland. 4:10 p.m., 101 Biochemistry. **Plant Research Laboratory.**

A standard frog: Are you kidding? George W. Nace, Dept. of Zoology, U. of Michigan, 3 p.m., 140 Natural Science. **Zoology.**

MONDAY, MAY 7, 1973

Transvascular fluid movement and segmental vascular resistances in response to transfusion during endotoxin shock. William J. Weidner, 4 p.m., 216 Giltner. **Physiology.**

TUESDAY, MAY 8, 1973

The role of hormones in insect behavior. James Truman, Harvard U., 3 p.m., 116 Natural Science. **Entomology and Zoology.**

Recent studies on immunological memory. J. Thorbecke, Dept. of Pathology, New York U., 4:10 p.m., 146 Giltner. **Microbiology and Public Health.**

On random linear operators. H. Salehi, 4:10 p.m., 405A Wells. **Statistics and Probability.**

Solidification science and foundry technology. Gerald Cole, Ford Motor Co., Dearborn, 4:10 p.m., 312 Engineering. **Metallurgy, Mechanics and Materials Science.**

Brain protein synthesis in mice tolerance to and dependence on morphine. Sheldon Stolman, 4 p.m., 449B Life Sciences. **Pharmacology.**

WEDNESDAY, MAY 9, 1973

Rhythmic influences in behavior. James Truman, Harvard U., 3 p.m., 116 Natural Sciences. **Entomology and Zoology.**

Tailoring Optical Scanning Services to your needs. Evaluation Services and University Printing staffs. 4 p.m., 105 S. Kedzie. **Evaluation Services.**

Effect of dieldrin (HEOD) on mitochondrial respiration and protein synthesis parameters in nursing and weaning rats. Werner Bergen, 4 p.m., Pesticide Research Conference Room. **Pesticide Research Center and Animal Husbandry.**

Effects of Helminthosporium maydis T toxin on mitochondria from corn. Mary Ann Bednarski, 4:10 p.m., 168 Plant Biology Lab. **Plant Pathology.**

The photoreceptor for "blue-light" responses. Walter Shropshire, Smithsonian Institute, 4:10 p.m., 101 Biochemistry. **Plant Research Laboratory.**

THURSDAY, MAY 10, 1973

Useful research in development administration in the 1970s. William J. Siffin, director, International Development Center, Indiana U., 3:30 p.m., 312 Agriculture. **Agricultural Economics.**

Whither might China have gone if the westerners had not come? Cho-yun Hsu, 3 p.m., 106 International Center. **Asian Studies Center, Anthropology, History, and Sociology.**

Human considerations in design of electronic musical instruments. David Wesel, 8 p.m., 402 Computer Center. **Computer Science.**

The criminal justice system as seen by mystery writers—and why they see it that way. Francis M. Nevins Jr., St. Louis U. Law School, 3:30 p.m., 104B Wells. **Criminal Justice.**

The use and misuse of law in mystery fiction. Francis M. Nevins Jr., St. Louis U. Law School, 8:15 p.m., 106B Wells. **Criminal Justice.**

Sewage disposal by sprinkler irrigation on 10,000 acres of farmland—success and problems in the past 16 years. C. Tietjen, Federal Agricultural Experiment Station, Braunschweig, Germany. 4 p.m., 213 Agriculture. **Crop and Soil Sciences.**

Silk moth eclosion: a study of hormone action on the insect central nervous system. James Truman, Harvard U., 1 p.m., 128 Natural Science. **Entomology and Zoology.**

Bioassays using the trout lateral line. Thomas G. Bahr, 1:30 p.m., 223 Natural Resources. **Fisheries and Wildlife.**

Minimal discriminants. Hans J. Zassenhaus, Ohio State U., 4:10 p.m., 304A Wells. **Mathematics.**

The National Accelerator Laboratory: the user's perspective. Gerald A. Smith, 4:10 p.m., 120 Physics Astronomy. **Physics.**

Animal behavior in the veterinary curriculum. Michael W. Fox, Washington U., St. Louis, Mo., 12:10 p.m., 149 Veterinary Clinic. **Veterinary Medicine.**

FRIDAY, MAY 11, 1973

Photochemistry of thioketones. Paul DeMayo, U. of Western Ontario, 4 p.m., 136 Chemistry. **Chemistry.**

Regulation for promotion of industry in mixed developing economies. George Rosen, U. of Illinois, 3 p.m., 108 Berkey. **Economic Development.**

On metaphor: the function of similarity in metaphorical statements. Paul Ricoeur, Faculte Libre de Theologie Protestante de Paris, 8 p.m., 109 S. Kedzie. **Philosophy.**

New factories and communities in Puerto Rico, 1940-70: exploring institutional tracking. Frank Young, Dept. of Rural Sociology, Cornell U., 3 p.m., 203 Berkey. **Sociology.**

Niche characteristics of the white-footed mouse. Robert T. M'Closkey, Dept. of Biology, U. of Windsor, 3 p.m., 140 Natural Science. **Zoology.**

FRIDAY, MAY 4, 1973

- 12 p.m. Society for International Development luncheon—Denison Rusinow, AUFS lecturer, will discuss "Titoism as an Economic System." Room C Crossroads Cafeteria.
- 1 p.m. Women's golf—MSU vs. Central Michigan and Ferris State. Forest Akers Golf Course.
- 8 p.m. "The New World" is an original science fiction program with an underlying ecological theme. Skywatching sessions follow the 8 p.m. performances. Tickets are sold at the door. Abrams Planetarium.
- 8 p.m. Mariah Folk and Blues Coffeehouse presents the great blues artist John Lee Hooker. Advance tickets are available at the Union, Marshall Music, and Elderly Instruments. Call 5-3690 or 3-9540 for information. McDonel Kiva.
- 8:15 p.m. Orchesis modern dance group will present a concert under the auspices of the Performing Arts Company. Many of the works were choreographed by students. Fairchild Theatre.
- 10 p.m. "The New World" (see above). Abrams Planetarium.
- 10:30 p.m. Mariah (see above). McDonel Kiva.

SATURDAY, MAY 5, 1973

- 1 p.m. Baseball—MSU vs. U. of Michigan. John Kobs Field.
- 2 p.m. Track—MSU vs. Notre Dame. Ralph Young Field.
- 2:30 p.m. "The New World" (see May 4). Abrams Planetarium.
- 8 p.m. "The New World" (see May 4). Abrams Planetarium.
- 8 p.m. Mariah (see May 4). McDonel Kiva.
- 8 p.m. Jazz concert—Jazz pianist John Mehegan will be the guest artist at the fourth annual Phi Mu Alpha Sinfonia Jazz Festival. He will be backed by MSU's Jazz Band I. Admission is \$2 at the door. Erickson Hall Kiva.
- 8:15 p.m. Orchesis dance concert (see May 4). Fairchild Theatre.
- 8:15 p.m. Concert—The husband and wife duo piano team, Ralph and Albertine Votapek, will perform works by Schubert, Stravinsky, and Rachmaninoff. There is no charge for admission. Music Auditorium.
- 10 p.m. "The New World" (see May 4). Abrams Planetarium.
- 10:30 p.m. Mariah (see May 4). McDonel Kiva.

SUNDAY, MAY 6, 1973

- 4 p.m. "The New World" (see May 4). Abrams Planetarium.
- 4 p.m. Concert—The MSU Symphony Orchestra, under the direction of guest conductor John Carewe of London, will perform Wagner's "Meistersinger Overture" and James Niblock's "Three American Dances." Violinist Walter Verdehr will be soloist in Henri Viuxtemps' "Concerto No. 5 for Violin and Orchestra." There is no charge for admission. Fairchild Theatre.

MONDAY, MAY 7, 1973

- 8:15 p.m. Concert—The MSU Wind Ensemble will feature clarinetist Elsa Ludwig-Verdehr in Alvin Etler's Contemporary "Concerto for Clarinet." Other works to be performed are by H. Owen Reed, Vern Reynolds, and Anton Dvorak. There is no charge for admission. Fairchild Theatre.

TUESDAY, MAY 8, 1973

- 12 p.m. University Club luncheon—B. Upchurch, assistant professor of geology, will discuss "Conceptions and Misconceptions Concerning the Environmental Quality of the Great Lakes."
- 2 p.m. Baseball—MSU vs. Western Michigan University. John Kobs Field.

WEDNESDAY, MAY 9, 1973

- Women's Michigan State Track Invitational
- 1 p.m. Golf—MSU vs. Detroit College. Forest Akers Course.
- 3 p.m. Tennis—MSU vs. Michigan. Varsity courts.
- 3:30 p.m. Women's softball—MSU vs. Eastern Michigan. Demonstration Hall softball field.
- 7:15 p.m. Duplicate bridge—Faculty and staff are welcome to participate as individuals or couples. For information, contact Raymond F. Johnston, 5-6483. Second floor Union.

THURSDAY, MAY 10, 1973

- 8:15 p.m. Graduate recital—Daniel Mellado, cello, will perform works by Beethoven, Stravinsky, Shostakovich, and Chopin. He will be assisted by Angelica Lopez and Theron Waddle. Music Auditorium.

BULLETINS

STEERING COMMITTEE The Steering Committee of the Faculty will meet at 3 p.m. May 7 in 443A Administration to set the agenda for the Academic Senate meeting on May 16.

EVENING COLLEGE The Evening College welcomes ideas from faculty and staff for courses and topics appropriate to offer in the noncredit program fall term. Submit suggestions to Charles McKee, director, 19 Kellogg.

GRAD. ASS'T. FORMS Graduate Assistant Appointment Recommendation forms for summer term are due in the Budget Office, 432 Administration, by noon, May 15. All forms received before the deadline will be processed for the July 15 payroll.

REVIEW LECTURE The 14th annual Centennial Review Lecture will be given at 6 p.m. on Tuesday, May 8, in the basement ballroom of the University Club. Albert I. Rabin, Dept. of Psychology, will speak on "Changing Concepts of Mental Abnormality." Faculty and students are invited.

COMM. ARTS LECTURE M.D. Steer, Hanley Distinguished Professor, and former head of the Dept. of Audiology and Speech Sciences at Purdue U., will speak on Monday evening, May 7, in 223 Natural Resources, on "International Developments in Speech Pathology and Audiology."

RETIREES RESERVATIONS Reservations for the annual Retirees' Club Ladies Day Luncheon May 14 should be made with Merrill Pierson, 666 Butterfield Dr., East Lansing, by Monday, May 7. Cost is \$3 a person. Lowell Treaster, director of the Dept. of Information Services, will speak.

YOU GOT WHAT? The RHA V.D. Awareness Program will include a short film, "You Got What?" and a medical presentation. The program will be given May 7 at 8 p.m. in Conrad Auditorium, May 8 at 7:30 p.m. in Wilson Auditorium and at 8:30 p.m. in Shaw lower lounge, May 9 at 8 p.m. in Yakeley cafeteria, and May 10 at 8 p.m. in Brody Auditorium.

SOCIAL SCIENCE ISSUES James Madison College is sponsoring a one-day workshop on "Contemporary Issues in the Social Sciences" on Friday, May 4, in Wonders Kiva. Panel discussions are "Social Science Programs: Action and Theory" at 10 a.m., and "The President and Congress: A Struggle for Power" at 1:30 p.m. For information, call Kay Wilk, 3-6758.

TROPICAL STUDIES The MSU Tropical Studies Group will hold its monthly meeting at 12:20 p.m. Wednesday, May 9, in 204 International Center. Rollin H. Baker will discuss "Wildlife Populations in the Namib, South West Africa."

FOOTBALL TICKETS Information for 1973 football season ticket orders for faculty and staff is being made available. Applications can now be obtained from department chairmen.

FILM FESTIVAL Ten different programs including more than 20 hours of amateur and professional films will be shown afternoons in the Union Ballroom and evenings in 108B Wells, May 8-13, as part of the Midwest Film Festival. For information, call 5-3355.

LECTURE-CONCERT Current season ticket holders of the University (A) and Lively Arts (B) series are reminded that the renewal deadline for the 1973-74 subscription season is Friday, May 11. For further information, contact the Ticket Office, Union Bldg., weekdays, 8:15 a.m.-4:30 p.m., phone 5-3361.

AARON BROWN LECTURE Stanley L. Robbins, professor and chairman of the Dept. of Pathology, Boston U. School of Medicine, will speak on "Pathogenesis of Myocardial Infarction" at 4 p.m. Friday, May 4, in the Life Sciences Auditorium. This is the annual Aaron Brown lecture sponsored by the Beta Omega chapter of Phi Delta Epsilon medical fraternity.

SEARCH AND SEIZURE A symposium on "Search and Seizure in American Constitutional Law" will be given at 7:30 p.m. Tuesday, May 8, in Union Parlor C. A paper by Paul C. Bartholomew of Notre Dame will be presented, and Zolton A. Ferency and Herbert Garfinkel are discussants. The symposium is sponsored by the political science and criminal justice departments.

BOOK COLLECTION The American Association of University Women is collecting unwanted books for its sale in the Meridian Mall, Oct. 25-28. Hardcover and paperback books, sheet music, records and magazines of lasting value are needed. Proceeds provide local and national scholarships, several of which have been awarded to student wives to complete their work at MSU. For information call Mrs. Robert Wenner, 337-2293 or Mrs. James Phelps, 351-1030.

For general information about MSU, please call 353-8700.