

MSU News-Bulletin

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Council approves new group

An advisory Group for General Education was approved Monday by the Academic Council.

The advisory group was proposed by the Educational Policies Committee (EPC) and the University Curriculum Committee (UCC).

The proposal is the result of action in March 1972 by the council for the establishment of a "council to monitor" general education by the EPC and the Office of the Assistant Provost for Undergraduate Education.

The approved proposal establishes an advisory group of nine members with the chairman and one other member being voting members of EPC and two being voting members of UCC.

According to the recommendation, members of the group would be appointed by the chairman of EPC in cooperation with the provost except that the members from the UCC would be appointed by the chairman of UCC.

The external members should be knowledgeable and interested in the non-professional aspects of undergraduate education. The advisory group will include at least two students. The recommendation also includes:

- * The advisory group could be dissolved by joint agreement of the chairman of EPC and the provost. The reason for such dissolution shall be reported to the Academic Council.

- * An evaluation of the group's work will be conducted by EPC at the end of each three year period.

- * The assistant provost for undergraduate education should be assigned to sit (ex officio without vote) with the advisory group.

- * The advisory group should report directly to the EPC so that a regular representative elected committee with the powers of review and approval could place proposals in the mainstream of academic governance.

- * The advisory group should establish a liaison relationship with the UCC and should be available to the committee in an advisory role on questions of general education.

The proposal maintains the control of the EPC over University educational policy. Additionally, it eliminates the need for another standing council to deal exclusively with an educational policies issue such as general education.

In other council action, a recommendation was passed approving the faculty grievance officer (FGO) as a non-voting member of the council. The approval gives the FGO the same status in the council as the ombudsman.

Last Issue

Today's News - Bulletin is the final issue of winter term. Publication will resume on March 29. Deadline for material for that issue will be noon, Tuesday, March 27.



March — Bridging the seasons

—Photo by Dick Wesley

Squeeze hits higher ed centers

Research in the field of higher education has lost the "fair haired boy" status it had with the federal government several years ago, judging from recent decisions in Washington to cut back funds to several prominent higher education research centers.

The effect on MSU's Department of Administration and Higher Education appears to be minimal, however, at least from a financial standpoint.

Paul L. Dressel, director of institutional research, believes the field of higher education research must look inward for some of the blame for its loss of favor in Washington.

One such research center, the Berkeley Center for Research and Development in Higher Education, has had its federal money cut in half from 1972 levels and faces a "phase out" of federal support. Several other centers are threatened with the same fate.

The move appears to be part of the federal government's disenchantment with basic research in the field as opposed to more practical research. The Western Interstate Commission on Higher Education, based in Boulder, Colo., received all the federal funding it requested for its management systems research unit.

According to the Chronicle of Higher Education, "This has given rise to the view — supported in conversation with government sources — that future U.S. funds are likely to be focused much more on practical, efficiency-oriented studies of higher education than on anything else."

Vandel C. Johnson, chairman of MSU's Department of Administration and Higher Education, said he didn't expect significant financial implications for his department since the curriculum is oriented toward the "clinical training" of education administrators.

"We are sorry to see this happen," he said however, "because we suffer too. We make valuable use of the research done at many of these centers."

The program, which trains

administrators for K 12 systems as well as higher education, requires about 30 per cent of a graduate student's program be in research, but this is of a professionally oriented, clinical nature.

Johnson said there was no departmental grant from the federal government, but the Department of Health, Education and Welfare has funded a specific program for the training of continuing education administrators.

Dressel, who is collaborating with Lewis B. Mayhew of Stanford University on a book dealing with

higher programs, says too much of the research being done has "reflected the traditional faculty attitudes toward research -- searching for the fundamental, the basic and the pure — instead of being concerned with finding practical solutions to pressing problems in the field."

He also believes there may be too many research-oriented centers in the country, creating an expensive and unnecessary duplication of effort. He and Mayhew are surveying about 45 higher education programs, some

(Continued on page 4)

Take salary problems to FAFCC, faculty urged

Faculty members are being urged to work through the Faculty Affairs and Faculty Compensation Committee (FAFCC) if they believe inequities exist between men and women's salaries.

At the same time, however, attention seems to be shifting to adjustments to make MSU a competitive employer in the Big Ten.

According to Herman L. King, assistant provost, the first priority this year is to look at each department on campus, compare it with similar departments in the other Big Ten universities, and, where necessary, bring the MSU departments up to a comparable level. To date, seven of the Big Ten schools have submitted their data.

Is his office studying salary adjustments for women? "No, not yet, at least," he said. However, he stresses that doesn't mean there won't be any such adjustments.

Last year, on the recommendation of the compensation committee, 138 women faculty members received increases totaling \$118,685. That came

as a result of a major survey for possible inequities.

King says that he believes a new survey would find "very few" who would say that their salaries aren't equitable. "We did a pretty good job last year," he said.

Of the recommendations submitted by the compensation committee last year, the one to upgrade the salaries of female faculty members was the only one adopted in full by the University, due to limited funds.

Although persons with comments on salary changes can contact the Provost's Office directly, King encouraged them to contact the compensation committee also.

"It would be unfair to expect the Faculty Affairs and Faculty Compensation Committee to come up with a balanced presentation," he said, if those people do not contact it.

Mary Rothman, the new director of women's programs, brought up the subject of salary adjustments when she addressed the Faculty Women's

(Continued on page 2)

Science notes



BY PHILLIP MILLER

Along Australia's Great Barrier Reef, about where Captain Cook discovered the coral formation by wrecking his ship on it, a modern research ship, the R/V Alpha - Helix, will carry scientists on a new investigation of coral this spring.

Charles Darwin, near the same reef nearly a century ago, had speculated that islands, called atolls, had been built upon dying volcanoes by coral. Final confirmation of the validity of this theory happened in 1953 when nuclear age technology put drills to 4630 feet in the Marshall Islands.

The drillings contained fossils of shallow - water coral organisms which had lived some 60 million years ago. As oceans beds sunk, or sea water deepened, the coral built anew upon the skeletons of their ancestors.

Each fragile coral polyp lives in a private compartment comprised of its own limestone secretions which adjoin compartments of its neighbors. Among the vast shallows of coral condominiums reside countless numbers of flourishing and colorful sea plants and animals. Sunlight streams down into their sac-like bodies and sustains tiny algae.

Coral polyps eat voraciously as they dance in and then partially out of their

calcium carbonate cups. The algae use some of the waste carbon dioxide in their comfortable residence in the polyp bodies. In turn, the algae contribute valuable food molecules which they make photosynthetically, to the polyps. Some of these food molecules - which greatly interest MSU biochemist N. E. Tolbert, chief scientist of the Alpha - Helix - are the algae products of photosynthesis called glycerol and glycolate.

Glycolate is thought by researchers, including Tolbert, to be burned up during photorespiration.

Photorespiration - discovered in part by MSU biochemists including Tolbert - may be a key to increasing the yields of some crop plants by as much as 50 percent.

To some plants the process of photorespiration is as needless as running an automobile during a summer day with the heater, lights and horn going full - blast.

The most efficient plants, such as corn, do not have much photorespiration going on. Others, such as soybeans, use energy on photorespiration which could be used on photosynthesis - to make food.

Recognizing the pioneer efforts of

Tolbert's team at MSU, a recent Science magazine article said the biochemist: "N. E. Tolbert, at Michigan State University, East Lansing, has found that many of the reactions of photorespiration, including glycolate oxidation ... occur in ... peroxisomes."

Peroxisomes are microscopic biological machines which hold promise as a means of controlling plant and animal growth.

Tolbert discovered plant leaf peroxisomes and since has been isolating enzymes from the tiny structures which are chemical machines for some special processes of respiration.

"A better understanding of these processes may begin a new era in the 'Green Revolution' and pay rich dividends in improved crop yields," said Science magazine.

One thing which intrigues Tolbert about the coral of the Great Barrier Reef is the friendly relationship - symbiosis - between the coral and the tiny algae inside the coral polyps.

The polyp's body chemistry system which breaks down the glycolate produced by the friendly algae, may be pretty much the same as the photorespiration which goes on in the

peroxisomes of other plants and animals.

Tolbert hopes to prove or disprove the existence of the similarity.

Overall, the plan on board the Alpha - Helix will be to measure levels of various substances of photosynthesis, respiration and photorespiration. From this will come, they hope, understandings of the relationships of the processes.

The role of peroxisomes in animals may be as important as the role in plants. For example, if peroxisomes in an animal were "turned up" more than usual, then the animal would burn food more readily and gain little, if any weight. Control of this kind of respiration could put Weight Watchers out of business.

Besides contributing limestone, islands and reefs, besides giving clues to food productivity and plant - animal relationships, the coral also seem to be the calendars of the sea:

J.W. Wells of Cornell University has discovered that some corals show bands which correspond to periods of growth, somewhat as trees have rings. Ancient corals have shown 400 bands per year, corresponding to shorter days and more days per year during the Devonian period of the Paleozoic era, when the first fishes swam.

But it's the biochemistry of what's happening on the 1,200 mile - long coral reef which Tolbert and his colleagues now hope to document. They plan to set sail on the 138 - foot Alpha - Helix March 26 from Cairns, Australia.

Group to oppose federal cuts

Tucked away among the many items earmarked for slashing in President Nixon's proposed higher education budget is one whose termination could seriously hinder America's future ability to understand and deal with areas of the world now considered remote or underdeveloped, contends Ralph H. Smuckler, dean of International Programs and Studies.

The Nixon budget for the coming fiscal year would reduce funds for university language training and areas study centers from the current \$15.3 million to about \$2.3 million. That cut amounts to a "zeroing out" of federal support for a little - noticed but important area of international study, says Smuckler.

MSU itself won't be hit as hard as some other universities if federal support is curtailed. Smuckler says that 10 students are supported by NDEA foreign language fellowships. And only two of its centers - the African Studies Center and the Asian Studies Center - draw federal funds, the former receiving about one - fourth of its support from the government, the latter slightly more.

Smuckler and a group of his colleagues from other universities are leading an effort to restore funds that now help provide, among other things, language and area studies centers at a number of universities, National Defense Foreign Language Fellowships for more than 1,000 students, and several dozen summer programs devoted to foreign studies.

Such programs have been funded for nearly 15 years under Title VI of the National Defense Education Act

(NDEA). The Nixon Administration proposes to cut the federal money because, it contends, the programs have developed to the point where only 10 per cent of their annual support comes from the government anyway.

But Smuckler and others maintain that the 10 per cent level is vital because it means the difference between life and death for many university foreign language and studies programs.

The Committee on the Future of International Studies - made up of about 55 major universities - is urging a House subcommittee to restore funds in the higher education appropriations to sustain the NDEA program. Smuckler is chairman of the group's steering committee.

Smuckler maintains that it is a federal responsibility, rather than a state or local one, to assure that America has an adequate supply of people competent in international matters, especially those relating to remote areas.

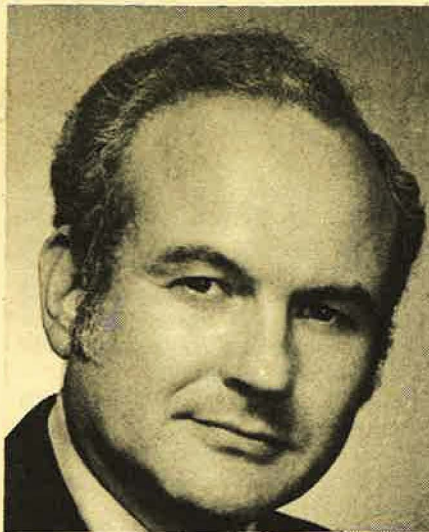
"As a nation," he says, "we must have people who can speak such languages as Urdu, Bengali and Vietnamese."

Yet such languages traditionally have low enrollments, he says, and without some kind of federal support, they will be eventually phased out by universities no longer able to justify or afford them.

Smuckler points out that in 1970, when a similar curtailment of federal funding was planned, the Nixon Administration agreed to restore the NDEA programs in its budget request. That initiative, Smuckler says, argues for continued support to build knowledge that will "underpin intelligent decision - making in delicate situations in Asia, Africa and the Middle East."

He says that none of the budget proposals now before Congress provides alternative sources of support for foreign language training or area studies. He and other members of the Committee on the Future of International Studies are urging both the Administration and Congress to provide a "period of transition" by keeping the present funds until new sources are found.

-GENE RIETFORS



RALPH SMUCKLER

Achievements

JOHN J. APPEL, professor of American Thought and Language, presented a slide lecture on "Prejudice in Popular Graphics" at a recent conference on basic research in ethnic history and sociology at Harrison House, Glen Cove, Long Island, N.Y.

VICTOR STRECHER, professor of criminal justice, has been appointed by Gov. William G. Milliken to the Michigan Youth Services Information System State Wide Applications Advisory Group.

... Salary problems

(Concluded from page 1)

Association last week. She said several women have expressed a desire for another salary review, handled somewhat differently than last year's.

"The Office of Women's Programs will apply whatever weight and pressure we can. But under no conditions will a solo effort have the same effect as well - conceived, well - researched efforts coming from a number of different directions," she said.

"The more widespread the efforts and the more serious your individual support, commitment and action, the greater is our chance of achieving the re - review of women faculty salaries which you have requested."

Mrs. Rothman emphasized that the compensation committee is where their ideas and suggestions can most productively be directed.

The Faculty Women's Association has already taken that step. It met with the committee Tuesday to discuss how the adjustments were handled last year and how they will be handled in the future.

J. Yvonne Waskin, president of the association and assistant professor of

education, said, "We don't think any reasonable explanation was given last year."

She said the association decided to talk with the compensation committee after "many other inequities" became apparent and it was clear the adjustments would not be across - the - board.

Frederick Williams, FAFCC chairman and professor of history, said, "The most glaring inequities were taken care of last year, but that doesn't mean there aren't still inequities."

Williams added that the inequities aren't only with women's salaries, but with men's as well. He said the committee is looking at salary adjustments for everyone.

Neither King nor Williams have any time schedule yet for making their recommendations. Both are waiting for the rest of the data from the Big Ten. In addition, any salary adjustments above cost - of - living increases depends on the size of the appropriation from the State Legislature. Last year, the legislature passed the higher education budget in July.

-JANET MARSH

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Around the campus: A summary

Senate agenda set

A light agenda faces the Academic Senate when it meets at 3 p.m., Tuesday (March 13) in Room 104B Wells Hall.

The Senate will vote on inclusion of the faculty grievance officer (FGO) as a non-voting member of the Academic Council. This will result in another vote on a Bylaws change for such inclusion.

Other votes on Bylaws changes are scheduled on procedures in student elections and inclusion of librarians in the faculty governance system.

Additionally, the Senate will take action on an amendment change to the Interim Faculty Grievance Procedure which sets the composition of the appeals panel to three tenured and two non-tenured faculty members.

Nominations taken

Nominations from the Academic Council and the Committee on Committees have been accepted by the Secretary of the Faculty for three positions on the University Steering Committee and the chairmanship of the Faculty Affairs and Faculty Compensation Committee.

Ballots will be circulated to Council members beginning May 1. Results of the election will be made at the May 29 Council meeting.

Nominated by the Council for membership on the Steering Committee are: Erwin Bettinghaus, communication arts; Vera Borosage, human ecology; Leo V. Nothstine, engineering; John H. Reinhoehl, University College; J. Langdon Taylor, osteopathic medicine; and Thomas Wenck, business.

The Committee on Committees nominations are: Patricia Barnes - McConnell, non-college faculty; James T. Bonnen (incumbent), agriculture and natural resources; Shirley Brehm, education; Warren Cohen, arts and letters; Milton Powell, Justin Morrill; and Glenn Waxler, veterinary medicine.

The four nominations for the FAFCC are: Richard Featherstone, education; Sadayoshi Omoto, arts and letters; Gerald Miller, communication arts; and Donald Montgomery, engineering.

Featherstone and Omoto were nominated by the Council; Miller and Montgomery by the Committee on Committees.

The two year term of Frederick Williams, current chairman of the FAFCC, expires June 30. He is not seeking re-election.

Courses extended

Pre-registration response of students now on campus to the University College announcement of additional evening courses for credit in spring has resulted in plans to further extend the offerings.

Dean Edward A. Carlin said more classroom space will be acquired and possibly new sections opened up, to allow all applicants to take the two courses which will be available over a four hour stretch every Tuesday and Thursday night.

Pre-registration interest already has exceeded the anticipated enrollment in Social Science 212, from 6 to 8 p.m., and Humanities 203 from 8 to 10 p.m. each Tuesday and Thursday nights.

"We know that at the regular enrollment for spring term we will have many more applicants," Carlin said. "The lifelong education interests of commuters in a 75-mile radius of the campus, and of persons with daytime jobs in the Lansing area, will continue, besides the demands of on-campus students for more evening study opportunities. We will make room for as many as want to come."

The switch from a single evening course from 7 to 9 p.m., to two courses from 6 to 10 p.m., is expected to extend to more University College courses in coming terms.

Link found to cancer

The Herpes family of viruses, a member of which causes cold sores (Herpes simplex) and another, shingles (Herpes zoster), will be shown to play some role in human cancer, a noted researcher predicted last week on campus.

Fred Rapp, chairman of microbiology at the Hershey Medical Center of Pennsylvania State University, spoke as part of the "Visiting Scholars in Medicine" series sponsored by the College of Osteopathic Medicine.

Rapp pointed out that viruses are definitely known to cause various forms of cancer in several animal species, but there is not yet any final proof that they cause human forms of cancer.

He pointed out that the U.S. Department of Agriculture researchers at MSU have shown that one kind of Herpes virus causes Marek's disease (a leukemia-like disease of turkeys) and have used another kind of Herpes virus to make a commercially successful vaccine for that disease.

Still another form of Herpes virus, he added, is associated with cervical cancer in women. This virus, Herpes simplex virus type II, is transmitted by sexual intercourse and may be the most common venereal disease virus.

Star to give lecture

Television personality Flip Wilson will deliver the fourth annual Martin Luther King Jr. Lecture on Social Change on March 30, according to Robert L. Green, director of the Center for Urban Affairs.

Sharing the speaker's platform with Wilson will be Coretta King, Dr. King's widow; and The Rev. Andrew J. Young, Democratic U.S. representative from Georgia and former executive director of the Southern Christian Leadership Conference.

The lecture commemorates the death of King who was killed by a sniper in Memphis, Tenn., April 4, 1968.

The lecture is jointly sponsored by the Center for Urban Affairs, the new College of Urban Development and other University departments. In addition to being director of the center and acting dean of the new college, Green is a member of both the board of directors and the board of trustees of the Martin Luther King, Jr., Center for Social Change in Atlanta, Ga.

The program will begin at 1:30 p.m. in the University Auditorium. It is open to the public, free of charge.

Challenges cited

Two challenges face private foundations in Michigan and the U.S., according to President Clifton R. Wharton, Jr. They are pressures caused by the reduction in federal funds and the view the public holds of foundations.

In an address to the Conference of Michigan Foundations Tuesday in Ann Arbor, Wharton said, "The first challenge results from significant reductions in federal expenditures for health, education and welfare. Funds for science, student aid, and welfare are being drastically cut, as are experimental programs for the poor, grants to colleges and universities and support for cultural institutions."

As federal funds disappear, the search for money will turn to private philanthropic organizations, he predicted.

The survival of private foundations also depends on how they are viewed by the public.

"Unless foundations are successful in countering and reversing the erosion of public confidence, the future may witness the ultimate demise of these great and useful social institutions," he added.

Wharton said he spoke for the consumer, listing three issues facing foundations: visibility and accessibility; flexibility, continuity and selectivity; and professionalism and grantsmanship.

The average potential recipient of private foundation funds is aware of only two or three major foundations, Wharton said. He urged foundations, particularly medium and small groups, to remedy their philanthropic "isolationism," and provide potential customers with information on their terms of reference.

Wharton noted that foundation funds are usually more flexible than traditional sources of funding.

"A professor may find that the critical margin of success in scholarly or creative venture is a modest grant of private funds for a purpose not recognized or included in his department's budget," he said.

Wharton noted the importance of continuity of funds, particularly where innovation is important.

He explained, "Most true innovation entails considerable risk and uncertainty, and private funding is uniquely equipped to provide continuing support while an idea is being thoroughly tested."

Wharton pointed out that most philanthropic institutions have areas of primary or specialized interest, and selective focus allows a foundation to choose a target program and achieve a greater competency in that chosen area. More importantly, this approach allows focus on an area neglected by other foundations, where a high quality program can have tremendous impact.

MSU in the news

The National Voice Library and its curator, G. Robert Vincent, received prominent play in the WASHINGTON POST (Feb. 10) for his participation in the Washington High Fidelity Music Show. . . "A director everyone wants" is the way BUSINESS WEEK (Feb. 17) put it in an article concerning President Wharton's appointments to the boards of Burroughs and Ford. The article says that since becoming president, Wharton has turned down offers from 10 corporations, 7 commissions, 11 schools and 14 research or civic groups. . . MSU faculty's rejection of unionization is chronicled in CHANGE magazine (February). . . "Women's Courses Gaining Ground," U.S. NEWS & WORLD REPORT (Jan. 29) included mention of MSU programs.

Faculty form group

Officers selected at a recent annual meeting of the MSU chapter of Phi Kappa Phi national honor society include Herbert J. Oyer, dean, College of Communication Arts, as president; Dorothy A. Arata, assistant provost, as vice president; Vera Borosage, professor, family and child sciences, as secretary; J. S. Frame, professor, mathematics, as treasurer; Barbara Hanna, administrative secretary, University College, as public relations officer; and Arthur W. Farrall, professor and chairman emeritus, agricultural engineering, as executive secretary.

PKP elects officers

Five MSU faculty members have formed the Michigan Women's Studies Association and are seeking members from the other universities, colleges and community colleges in the state.

The association was formed to further the development of courses, instructional material and programs in women's studies, according to Gladys Beckwith, associate professor of American Thought and Language.

The first statewide conference is tentatively scheduled for May, with a more in-depth conference on the drawing boards for the fall. The women's studies group is also planning to publish a newsletter and a journal.

Mrs. Beckwith and the four other founding members all teach a series of three courses entitled "Women in America." The other four are Albert Karson, Sandra L. Gustafson, Joyce Ladenson and Joselyn Tien.

Digressions

THREE YEARS AGO

A new director and assistant director have been named in a reorganization of the Staff Benefits division of the Comptroller's Office.

Gary Posner, assistant to the registrar for the past two years, has been named director of staff benefits, and Albert Chapman, formerly a supervisor of the office, has been named assistant director.

TWO YEARS AGO

Faculty, staff and students have been asked to consider the prospect of a prepaid group health care plan for themselves and their families.

In announcing the proposal, President Clifton R. Wharton Jr. said the plan's primary purpose is "to improve the quality of health care and to reduce costs."

ONE YEAR AGO

Twenty-two persons, including 12 faculty members and administrators, have been named to the Presidential Task Force on Lifelong Education.

The task force's immediate task is to make an intensive study of the University's long-standing commitment to continuing and lifelong education. It will also examine the possibility of developing a lifelong education component to respond more effectively to the growing needs of Michigan residents.

C/AHED

Students have a chance to 'see ahead'



DON WARD

Execs used in food class

Jack Allen assigns no text, holds graduate seminars at the University Club, regularly leads his students on educational treks throughout the Midwest and leaves the bulk of his lecturing to food industry executives.

(1) Innovator (2) Gimmick - master (3) Educational carnival coordinator (4) None of the above.

Circle four.

Allen, who directs the MBA program in Foods Systems Economics and Management and teaches the undergraduate program by the same name, is more appropriately labeled a humanistic traditionalist.

"I advocate a return to the basic values of what the hell constitutes learning," he says. "Note, I didn't say education, but learning."

From the undergraduate program in Food Systems Economics and Management, jointly sponsored by the Colleges of Business and Agriculture and Natural Resources, through the graduate program by the same name under the College of Business, Allen and his colleagues are working on a "career lifestyle" for their students. Course content is largely standardized so that it reflects more than professorial opinion and personality.

"No student takes Jack Allen. He takes no isolated personalities. Each course is carefully planned to fit the curriculum."

One immediate result of this is that redundancy and repetition are greatly reduced.

Each food systems student is carefully counseled on his program to the extent that Allen estimates that he spends a third of his time advising students. "Other professors devote as much as 60 per cent of their time to advising undergraduates of Foods Systems Management."

Prior to joining the MSU faculty in 1969, Allen was with the American Meat Institute in Chicago. Contacts made there put him on a first name basis with top executives on the food industry. Now, key executives like Fred Meijer, president of Meijer Food Stores, and Edward Jones, president of Jones Dairy Farm and former chairman of the American Meat Institute, regularly appear before Allen's classes as guest lecturers.

Every effort is made to present all facets of the food system picture from grower to consumer, so not all guest speakers are food processors.

"We've had labor leaders, the first grape grower to sign with Cesar Chavez, consumer advocates, a Nader

spokesman, and debates on migrant housing and the new food safety and health laws by people from California to the east coast."

Though he is officed in the College of Business, Allen does not see himself as a defender of business. "I'm not a flag waver. In fact, the first reading I assign my 831 students is on the productivity lag."

Guest speakers are forewarned that they are apt to be put on the firing line. "All I ask of my students is that they respect the human dignity of the individual," says Allen.



JACK ALLEN

Seminars are frequently held at the University Club to indicate to the student that he is important. Field trips are not simply show and tell tours of food processing plants conducted by public relations staffers.

"Very little time is actually spent touring the plant," Allen says. "Maximum time is allowed for dialogue with executives. When Gerber was unable to host a tour because it was renovating its plant, the firm's president and three vice presidents came to MSU to speak with the students."

At the beginning of each term, Allen asks his 831 students to complete a brief biography so that he might better know them. Questions deal with educational background, current major and academic strengths. There is also a section on professional experience and goals, and a space for the name by which the student would like to be addressed. Conspicuous by its absence is provision for the student's number.

—DON CHRISTENSEN

A college dropout . . . A student who "just isn't making it" . . . A person seeking a "meaningful experience" . . . Students looking for education not only in the classroom, but in the world . . .

Students with these personal problems have a new place to turn for answers. The Center for Alternatives in/to Higher Education (C/AHED) at MSU was established fall term to assist in providing answers.

"C/AHED exists for the purpose of helping people get in touch with themselves and the world through real and tangible experience," according to Don Ward, program director.

Ward is one of four associate directors of the United Ministries in Higher Education at MSU which initiated the C/AHED program. The program receives sponsorship from University College, Justin Morrill College, Counseling Center, Residence Hall Programs and the Office of Volunteer Programs. It also has the support of Dorothy Arata, assistant provost for undergraduate education.

The MSU program is among the first in the nation and is the first of its kind in state - supported institutions.

"State - supported schools are less willing to get away from the traditional classroom situation," Ward said. "C/AHED is looking for 'meaningful' options outside the University. The program's purpose is to add to the student's lifelong opportunities."

According to Ward, the opportunities are in the areas of voluntary social services, educational alternatives and travel and part-time employment.

"This could include options ranging from working on a farm in Norway to volunteer work with the American Indians to working on a scientific team searching for the sunken 'Santa Maria,'" he said. "And it is possible for many students to receive University credit for their experiences."

Ward said a need for an alternatives program was established on campus during the past year by assessing questionnaires of McDonel Hall students and polling the counseling center staff.

Once the need was established for such a center, more than 1,000 letters were sent to organizations world - wide to determine what options these groups have available to students. These groups, according to Ward, included the Peace Corps and VISTA, church organizations, free schools and work/ travel programs.

With the needs established and the alternatives available, the next task was to bring students and possibilities together.

The Center was established in the facilities of the United Ministries in Higher Education at 1118 S. Harrison, just west of campus. Additionally, satellite centers were established in Justin Morrill College, University College, the Counseling Center, Fee Hall

Counseling and Growth Center and McDonel Hall.

In addition to a staff of trained counselors, the center and its satellites contain information, pamphlets and brochures on world-wide alternatives to being a student.

Ward said that the center subscribes to more than 50 publications and has on file approximately 40,000 different opportunities.

"The counselors are volunteers, and University work/ study personnel have attended intensive training workshops dealing in 'value clarification counseling,'" Ward said.

"This type of counseling helps a person determine answers to such questions as 'who am I and where am I going?'"

According to Ward, students are sent to the counselors and the center through various referral methods such as the Counseling Center, and departmental and academic advisors.

"The students are asked to complete an information file in the Counseling Center. This helps us establish a basis for human contact," he said.

In addition to providing assistance to students seeking alternatives to higher education, the center helps plan seminars in such areas as overseas preparation and cross - cultural communication.

"We also are working on a file on all students who go into world - wide programs to serve as a personal resource file for other students," he said.

Ward said that the center, which is open to all members of the academic community, is now a pilot program and will be evaluated at the end of two years.

"I think that at the end of two years we will be able to legitimate these meaningful experiences and discover that many of the college dropouts going through the program return to college and complete their formal education."

To assist C/AHED and to provide direct University input into the program, a 12-member consultant staff was formed. The members, from various University levels, are: Jack Bain, professor of communications, Cole Brembeck, associate dean, College of Education, and director of the Institute for International Studies in Education; Norris Bryson, coordinator, Office of Overseas Study, Continuing Education Service; Melvin Buschman, assistant director, Continuing Education Service; Edward Carlin, dean of University College; John Cauley Jr., director, Volunteer Programs; Gary North, coordinator, Residence Hall Programs; Milton Powell, professor, Justin Morrill College; Lee Shulman, professor of counseling, personnel services and educational psychology; and Camille Smith, career information specialist, Counseling Center.

—SANDRA DALKA

. . . Higher ed squeeze

(Concluded from page 1)

clinical in orientation and some emphasizing basic research, and visiting twenty of them for in - depth interviews.

"The research being done has raised a number of interesting questions," Dressel said, "but it has infrequently dealt with issues critical to needed changes in the field. We have to draw a distinction between research on the real problems, like collective bargaining, that people are wrestling with, and research designed only for some theoretical impact."

He said there has not been much cost benefit analysis of the value of higher education programs themselves, and where attempts have been made they usually take the form of counting the number of graduates.

"This is a crude measure of benefit

to society," he said. "It is also done in other fields."

Dressel suggests that higher education is a mammoth enterprise, not all of it centered in the classroom. There are complex business, personnel, management and other areas that demand attention. For this reason, he questions whether centers for higher education research should necessarily be located in colleges of education. They might be more effective as all - university units because their inputs are taken from so many different areas.

Leary of the spread of such centers throughout the country, Dressel said he would prefer to see perhaps a half - dozen units, well funded and with clear goals for solving real problems, that might eventually become models for others.

—MIKE MORRISON



G. ROBERT VINCENT

The faces of history are put away, voices remain

A lot of nostalgia came down from the walls of G. Robert Vincent's office in the Library Monday.

Autographed photos of Bishop Sheen, Duke Ellington, Admiral Byrd and W. Somerset Maugham were packed away.

Photographer Dick Wesley was trying to get Vincent to smile.

"You're staring, sir. Look over my shoulder and say 'whiskey'."

"I'm staring at a guy named Franklin Roosevelt," Vincent said. "That's his girl friend Eleanor right above him — one of them anyway. You know, I was a weekend guest at their place in Washington once."

Throughout the afternoon, Madame Chaing Kai - Shek, Otis Skinner, Alger Hiss ("He's the guy who made Dick Nixon President, you know"), Arturo Toscanini, and Irving Berlin were packed away.

Vincent is "retiring" as curator of the National Voice Library next week. Actually, retirement officially came two years ago, but he's stayed on for two consecutive one-year appointments.

The collection of more than 30,000 voices and recordings of historical events have taken a lifetime to compile. The earliest important recording of his own was of Theodore Roosevelt in 1912.

The pictures on the wall represent some of the people he's known and recorded over the years — Henry A. Wallace, Robert Taft, Fredric March ("Freddie gets madder than hell if you put that second 'e' in his name").

The National Voice Library was created eleven years ago when Vincent offered his unique collection of recordings to the University.

He was living in California at the time, doing motion picture sound work. Richard Chapin, Director of Libraries, invited him to campus to discuss the possibility of creating the National Voice Library, but he wasn't specific about the travel arrangements.

Not sure whether the trip was going to be at his own expense, Vincent put on the Army uniform he wore during World War II when he headed the "V-Disc" program that sent millions of records to servicemen overseas. He went to Los Alamos Naval Air Station and wrangled a hop to Grosse Ile. In East Lansing, his meeting with Chapin led to the establishment of the only sound library of its kind in the country, the travel arrangements were cleared up, and he flew back to California commercial, "like a gentleman."

As the pictures were about to come off the wall Monday, Vincent pointed

to eight stern looking, uniformed men wearing earphones and sitting around a large table, and recalled that he had been the chief sound engineer for the Nuremberg War Crimes Trials.

Carlos Romulo came down, the Philippine hero who spoke the first official words at the San Francisco Conference in 1945 that marked the beginning of the United Nations. Vincent was also in charge of the sound and recording equipment at that historic event.

Deems Taylor, Trygve Lie and Andrei Gromyko came down from the wall. So did Charles Edison. Vincent worked for Edison's father, the inventor of sound reproduction equipment, in the early 1920's, and much of his collection was acquired when the elder Edison disestablished his sound studios because he believed radio had made the recording industry obsolete.

Some of the pictures were taken in his penthouse studio in Radio City in New York, where he spent 48 hours recording radio reports of Pearl Harbor and the U.S. entry into World War II, and where a band leader named Benny Goodman used to practice his clarinet.

Jan Christian Smutz came down. He was the South African general who gave the British such a bad time in the Boer War.

There were photographs of press clippings — a New Yorker profile, a Time magazine piece, a "My Day" column by Mrs. Roosevelt — attesting to Vincent's own place in history. He recalled a visit by Charles Kuralt of CBS and his "On the Road" crew about a year ago.

Vincent isn't happy about leaving. He says the National Voice Library has not become the "Mecca for the spoken word" he dreamed it would. Things got in the way. Perhaps more time, more money...

Richard Chapin says the voice library will remain an active, growing concern, however. He is high on it as a research tool, particularly in the area of oral history.

"In future years when people are doing research on someone like Martin Luther King," Chapin said, "listening to him say 'I have a dream' will mean much more than reading the speech."

Because of the collection Vincent has put together, the researcher will also hear President Roosevelt talking about "fear itself," Winston Churchill describing "Their finest hour," and Harry Lander singing "Wee Deoch an' Doris" on one of his many farewell tours of the U.S.

—MIKE MORRISON

Letters to the Editor

Orchestra deserves praise

To the Editor:

I appreciate the fact that the MSU News - Bulletin does help to inform the faculty and staff about various concerts and other cultural activities on the campus. Surely the concert this past Sunday by the Michigan State University Symphony Orchestra, with its distinguished guest conductor from Czechoslovakia, Bystrík Rezucha, and its fine young violin soloist from Germany, Rolf Schulte, was a great credit to this institution. In my twenty years as a faculty member at Michigan State, and as one who attends many, many University musical events, I must rate this as one of the finest student orchestra concerts I have attended here. In fact, I find it difficult to remember a better one. (As a musician by training and profession, I am not an easy person to please.)

It is the orchestra, the conductor, the soloist, and certainly the instrumental staff of the Department of Music who should be congratulated. Unfortunately, too often the teaching staff does not receive proper recognition for the excellence of various musical activities on this campus.

As always, the orchestra was playing on a crowded stage in Fairchild Theater. I was reminded once again of the real need in this institution for first-class performing arts facilities. The University concerts, theater events, etc. are all deserving of better auditoriums, as are the special presentations of the Lecture - Concert Series. And, when one hears that "concerts are dead," the near-capacity crowd in the Auditorium this past Friday evening for an all-Mozart program, by the Mozarteum Orchestra of Salzburg, should put such nonsensical beliefs to rest for a while. In addition, the several sold-out houses for the University Chamber Music Series should provide further proof that this campus wants and will support the best. It is gratifying to note that students make up a large and significant part of these audiences for the various musical events.

The MSU News - Bulletin has played an important part in bringing such musical performances and other cultural offerings to the attention of the faculty and staff. I hope that it will continue to do so.

Donald A. Pash
Professor and Program Associate
WKAR - TV

'Who's been snubbed?'

To the Editor:

Having read Alison McMaugh's letter to the editor in your paper for March 1, it amused me to open the Kresge Art Center Bulletin for March and count, among the artists invited for the "Eight Michigan Artists Exhibition" two blacks and four women artists. This exhibition, which opened in the gallery March 4, was actually selected in May 1972. So much for discrimination.

As for Mrs. Adley's specific complaints, here are the facts. An inquiry is sent to the staff as to whether they will or will not be represented in the faculty exhibit. Mr. Weil did not respond and Mr. Adley did not inform me that his wife, Alison McMaugh, wished to exhibit. For those who had responded affirmatively, a date was set for a photographer to be in the building in order to obtain photographs for the Bulletin. One woman artist withdrew from the exhibition for personal reasons; the second woman artist did not appear for the photographer; the third woman artist, Mrs. Adley, had given no notice of her intention. Obviously the black artist and women artists did not appear in the Bulletin which Mrs. Adley referred to as "the brochure."

Publicity is released by Information Services. It was during the week of the hanging of the show that I was informed that Mrs. Adley would enter a painting and that Mr. Weil would have a separate exhibition in the sculpture studio. Publicity had already gone out.

There is no critic who attends the opening. What a young "critic" from the State News may do later is beyond my control. It is not my habit to inform critics as to whom they should review and what they should say.

Sorry about all this, but the presses will not stop while a woman makes up her mind, no matter how advanced, nor will they roll faster after she has made it up.

Paul Love
Gallery Director

AAUP to remain active

To the Editor:

We note the recent decision of the Committee of Concerned Faculty to disband, and their hopeful view of faculty involvement in governance and budgetary decisions. The American Association of University Professors shares these concerns, but we are convinced that further improvement in the faculty's position remains to be won. Indeed, there is a risk that mounting inflation and legislative pressures can undo the limited gains already made.

Concerted faculty action over a sustained period is essential for defending and improving the faculty's position in the face of circumstances such as the following:

- *The growth in size and cost of bureaucratic structures within the University which have little or no relevance to the essential teaching and research functions of the University.

- *The national erosion in the real incomes of faculty members.

- *The trend toward centralization of resource allocation and decision-making with little meaningful participation by the faculty.

- *Lingering and significant imbalances in salary levels between and among individuals of comparable experience, departments, and colleges.

The Committee of Concerned Faculty may feel that its job is finished, but the AAUP intends to remain alert and active in the drive for solutions to these and other problems. A strong and united faculty organization is the only way out of the hat-in-hand situation in which we so often find ourselves.

Sincerely,
James R. Anderson
Walter E. Gourlay
On behalf of the AAUP Executive Council

The arts



Ensemble and recitals this week; 'Applause' and 'Beggar's Opera' later this month

BY FRED BRUFLOTT

Much new music is being performed and heard due to the enthusiasm of University musicians. For several seasons now, MSU's New Musical Arts Ensemble has been presenting concerts of works no older than a few decades.

At 8:15 p.m. tonight in the Music Auditorium, the ensemble, conducted by Greg Steinke, Ph.D. candidate in music, will be heard in concert. The group will present "Concerto Grosso for Nine Instruments" written in 1960 by William Karlins of the Northwestern University music faculty.

A work by William Penn, who received his Ph.D. degree in music from MSU and is now on the Eastman School of Music faculty, will also be heard. Written in 1972, it is a work for two-channel tape titled "And Among the Leaves We Were Passing."

Other works, mostly for solo instruments, include Steinke's "Aerophonics I" for solo saxophone and "Scintillation" for solo harp by Carlos Salzedo. "Scintillation," a 1936 composition, is the oldest work to be heard.

VOICE RECITAL

Saturday at 4:30 p.m., mezzo-soprano Mary Alice Stollak will present a recital of songs by Rowley, Vaughn Williams, Meyerbeer, Poulenc and de Falla. Pianist Ralph Votapek, assistant professor of music, will be heard as accompanist.

SAX RECITAL

Music faculty member Elaine Zajac will be heard in a saxophone recital Sunday.

Invented in 1840, the saxophone is one of the newest instruments (outside of electronic instruments). The growing



Lester Johnson, of Flint's Genesee Community College, stands by his acrylic on canvas painting, "Odyssey." The painting is one of several of Johnson's works in MSU's "Eight Michigan Artists" show now through March 25 in the Kresge Gallery.

amount of literature for the instrument includes many new works along with transcriptions of works originally for

other instruments.

Miss Zajac will include in her recital "Caprice en Forme de Valse" by Paul

Bonneau, "Sonata, Opus 19" by Creston and "Divertissement" by DuBois.

Assisted by soprano Louisa Davis, she will also perform Ellwood Derr's "I Never Saw Another Butterfly." This 1966 work is based on poems by children who had died in Nazi concentration camps at Terezin, Czechoslovakia, between 1942 to 1944.

LOOKING AHEAD

The musical, "Applause," with Patrice Munsel in the starring role, will play three performances — two evening and one matinee — Tuesday and Wednesday, March 27 and 28.

"Applause," based on the movie, "All About Eve," tells the story of a glamorous stage actress fighting for her professional — and romantic — life against a sneaky young upstart.

Miss Munsel, former prima donna of the Metropolitan Opera Company, will sing and act the part of the self-defending stage actress.

No newcomer to musicals, Miss Munsel has recently appeared in a number of productions including "Mame," "Do I Hear a Waltz?" "My Fair Lady," and "Hello Dolly!"

The musical is the work of the Betty Comden - Adolph Green team known for "Wonderful Town," "Bells Are Ringing" and other hits. "Applause" won the 1970 Tony Award as best musical of the season.

BEGGAR'S OPERA

MSU's Opera Workshop will begin a four-day run of "The Beggar's Opera" Thursday, March 29. Written in the 18th Century, it served as the basis for Kurt Weill's equally famous "Three Penny Opera."

CONCERT TOURS

During spring break, two MSU musical groups will go on tour. The 100-piece Symphonic Band, under Kenneth Bloomquist, director of bands, will perform in nine cities in Michigan's upper and lower peninsulas. The State Singers, MSU's 68-voice mixed choir, directed by Robert Harris, associate professor of music, will present concerts at Notre Dame University and colleges in Illinois.

(See Calendar of Events for full details of these and other happenings on campus.)

Books

KEITH GOLDHAMMER, dean of the College of Education, has co-authored an article entitled "The Roots of Teacher Militancy" which appears in "School Boards and the Political Fact", a collection of papers recently published in Canada by The Ontario Institute for Studies in Education.

IRVING W. KNOBLOCH, professor of botany, has edited the 3rd edition of his book "Reading in Biological Science", published by Appleton-Century-Crofts.

WILLIAM A. MEHRENS, College of Education, and IRVIN J. LEHMANN, Evaluation Services, are co-authors of a new book entitled "Measurement and Evaluation in Education and Psychology" published by Holt, Rinehart and Winston.

MARTHA JANE SOLTOW, librarian for the School of Labor and Industrial Relations, is a co-author of "Women in American Labor History, 1825 - 1935; An Annotated Bibliography," published by the School of Labor and Industrial Relations and the Libraries, 1972.

MSU Positions Available

IMPORTANT: Administrative - Professional and Clerical - Technical applicants should contact the Employment Office at 353-4334 by March 13, 1973 and refer to the vacancy by the position number. Instructional staff applicants should contact departments noted. Fuller descriptions of positions are available in departmental postings.

FACULTY

Asst. Prof in Counseling Center (Ph. D. to be completed by Sept. 1973) Position in a counseling psychologist. Preparation for providing educational and vocational counseling services for university students. Must have at least one year of supervised internship experience, preferably in a university counseling setting.

Contact: Rowland R. Pierson
Dir., Counseling Center

ADMINISTRATIVE - PROFESSIONAL

195. Chief Account VI (B.A. in accounting or business or an equivalent combination of education and experience is necessary.) Progressively responsible experience in financial management is necessary. Supervisory experience in health care facility is desirable. \$12,810 - 16,650.

CLERICAL - TECHNICAL

196. Program Coordinator "N" — Must have good working knowledge of Fortran, Cobol, and the 6600 and 3600 systems. \$4.48 /hour.

197. Office Assistant IX — Ability to: supervise secretaries and student help, take dictation, type correspondence, organize staff reports and financial information, and exercise independent judgement. \$8,384 - 10,418.

198. Horticulture Technician VIII (B.S. or extensive experience in agricultural research; knowledge of culture, handling, and storage of plant materials.) Experience in: proper use and techniques with chemicals and mechanical and electronic equipment;

recording and analyzing data. Physical capability to lift and handle materials weighing up to 60 pounds. Motor vehicle operators license. \$7,473 - 9,576.

199. Sr. Technician "K" (B.S. or equivalent with microbiology or biological science major) Experience in bacteriological techniques desirable. To assist in the design and execution of research experiments in an Avian Microbiology laboratory. \$3.55/hour.

200. Laboratory Technician "I" — Some college training in Biological or Medical Science required. Laboratory experience desirable. To work in Dairy Laboratory doing radio immunoassays and measuring hormones in blood. \$3.27/hour.

201. Sr. Clerk "F" — To operate various duplicating equipment in the copy center. Maintain records, supervise an assistant and student help, work with minimum amount of supervision, and dependability very important. \$3.21/hour.

202. Editorial Asst. "G" — ½ to ¾ time till August, then full time. Fast, accurate typing, including dictaphone work and manuscript preparation. Supervise and organize work for other workers; organize materials, researching and correlating of information; library work. Must have good command of the English language and be able to work under pressure. \$3.20/hour.

203. Office Asst. VII — Must be familiar with Univ. procedures; able to organize and maintain 17 separate accounts; prepare regular financial reports, vouchers, requisitions, and other business forms. Supervise and train student assistants. \$6,660 - 8,272.

204. Sr. Dept. Secretary VII — Typing, knowledge of campus, able to meet and deal with the public, good telephone manners, able to work under pressure. Discreetness and confidentiality. \$6,660 - 8,272.

205. Sr. Dept. Secretary — Type 60 wpm and take dictation. Able to perform complex secretarial duties for the program office serving women faculty, staff, and students. \$6,660 - 8,272.

206. Sr. Dept. Secretary VII — Accurate typist and use of a dictaphone. General office work and supervise a clerical staff. Bookkeeping knowledge helpful. \$6,600 - 8,272.

207. Principal Clerk VI — Excellent phone manners and receptionist skills. Reliable, good typist, able to use dictaphone equipment. \$6,436 - 8,048.

208-211. Sr. Clerk Stenographer V (4 positions) \$6,267 - 7,389.

212. & 213. Departmental Secretary V (2 positions) \$6,267 - 7,389

214. Sr. Clerk Typist V — Typing, dictaphone, and mathematical aptitude. \$6,267 - 7,389.

215 & 216. Sr. Accounting Clerk V (2 positions) \$6,267 - 7,389.

217. Clerk V "E" — Typing, knowledge of Univ. office and business procedures desirable. \$3.01 hour.

218. Research Aide "F" — Entomology student preferred. Physically able to walk ten miles a day and work summers in apple orchards. \$3.00/hour.

219 & 220. Sr. Library Clerk (2 positions: 1 full - time at \$5,735 - 6,926 and 1 half - time at \$2,867 - 3,463)

221. Research Aide "D" — To work in Hart, Michigan area counting mites and operating teletype from April to Sept. 15, 1973. \$2.75/hour.

222. Clerk IV "D" (2 vacancies) Typing and bookkeeping, hospital experience desirable. \$2.74/hour.

223-225. Clerk - Stenographer III (3 positions) \$5,511 - 6,562.

226. Cashier - Clerk "C" — in cafeteria. \$2.64/hour.

227. Clerk Typist II (2 vacancies) Typing 60 wpm. General clerical knowledge. \$5,440 - 6,422.

288. Clerk I - Record filing. Receptionist, knowledge of typing. \$5,300 - 6,141.

MICHIGAN STATE UNIVERSITY IS AN EQUAL OPPORTUNITY EMPLOYER.

SEMINARS

THURSDAY, MARCH 8, 1973

Impurities in solids. C.P. Flynn, U. of Illinois, 4:10 p.m., 120 Physics-Astronomy. **Physics.**

Past World War II costume. Carol Myers, costume curator, Chicago Art Institute, 4:10 p.m., 207 Human Ecology. **Human Environment and Design.**

MONDAY, MARCH 12, 1973

Gamma branch of the ^{238}U shape isomer. Phyllis Russo, U. of Washington, 4:10 p.m., Cyclotron Laboratory Seminar Room. **Cyclotron.**

Statistical mechanics of isolated and weakly interacting low dimensional magnets. Jill C. Bonner, Carnegie-Mellon, 4 p.m., 223 Physics-Astronomy. **Physics.**

Oral presentations of research. Donald Penner, 4 p.m., 244 Natural Science. **Entomology.**

TUESDAY, MARCH 13, 1973

How did probability become possible? Ian Hacking, Cambridge U., 4 p.m., 405A Wells. **Statistics and Probability and Philosophy.**

How did the problem of induction become possible? Ian Hacking, Cambridge U., 8 p.m., 106C Holmes. **Statistics and Probability and Philosophy.**

WEDNESDAY, MARCH 14, 1973

Post meiotic genetic activity in the male. Lawrence Sandier, Dept. of Genetics, U. of Washington, 4 p.m., 103 Anthony. **Human Development.**

Effects of pesticides on pheasant reproduction. Harold Prince, 4 p.m., Pesticide Research Conference Room. **Pesticide Research Center and Fisheries and Wildlife.**

BULLETINS

ACADEMIC SENATE

There will be an Academic Senate meeting at 3 p.m. Tuesday, March 13 in 104B Wells.

ETHNIC ARTIFACTS

The Lansing school system is interested in borrowing ethnic artifacts for a year-long display in the system's Academic Interest Center on Kalamazoo St. Costumes, toys, tools and other artifacts that represent other cultures are needed. Call Sue Creaser, 485-8161.

COMMENCEMENT

Members of the faculty should assemble and don academic costume in the west basement of the Auditorium at least 30 minutes before the opening of commencement ceremonies. Academic apparel may be rented at the Cap and Gown Office, Union Bldg., from 8:30 a.m. to 5:30 p.m. through March 9.

TROPICAL STUDIES

The Tropical Studies Group will meet at 12:30 p.m. in 204 International Center on Wednesday, March 14. Merle Esmay will speak on "Mechanization in Tropical Agriculture—Probabilities and Improbabilities." Guests are welcome.

MEN'S IM HOURS

The Men's IM Bldg. will be closed March 18, 24 and 25. Spring vacation hours, Monday through Friday, March 19-23, will be 9 a.m. to 7 p.m. for the building and 11:30 a.m. to 2 p.m. for the pool. On Saturday, March 17, the building will be open from 10 a.m. to 6 p.m. and the pool will be closed.

ANTIQUE GROUP

The Faculty Folk Antique Group will meet at the Ralph Osborne home on Lansing Rd. (fourth house north of Andy's Restaurant, Charlotte) at 9:30 a.m. Tuesday, March 13. Earliest music boxes and phonographs will be the feature of the day. For further information or car pools call Dorothy Goodrich, 332-4648 or Norma Guyer, 332-6227.

MYTHS ON POTTERY

Cynthia King, professor at Wright State U., Dayton, Ohio, will speak on the "Earliest Representations of Myths on Attic Pottery" at a meeting of the Central Michigan Archeological Society at 8 p.m. Wednesday, March 28 in Kresge's main gallery. She will illustrate her hypothesis that some of the figured scenes on eighth century Attic pots may be mythological subjects such as Helen and Paris embarking, or Odysseus shipwrecked.

NEWCOMERS

Faculty Folk Newcomers will meet at Consumers Power Co. on March 8 at 8 p.m. Home economist Frances Laugh will present a food program entitled "Easy Entertaining" featuring ideas on short cuts for entertaining, easy food preparation, and the glamorization of convenience foods. Faculty Folk wives are invited to attend. For transportation and further information call Carol Christenson, 339-2230, or Kathy Hawkins, 351-6905.

FINAL GRADES

Grade cards will be delivered to departmental offices on March 8 and should be checked immediately to determine if there is a card for each student. Grading systems are printed on the face of each grade card. Final grades are due in the Office of the Registrar, 150 Administration Bldg., 5-9596, 36 hours after the final examination is given. The Registrar's Office will make pickups from departmental offices each morning after 9 a.m., and each afternoon after 2 p.m., beginning Thursday, March 15. The final pickup will be made starting at 8 a.m., Tuesday, March 20. Otherwise, grades must be delivered to 150 Administration Bldg. no later than 11 a.m., March 20.

WEDNESDAY, MARCH 21, 1973

Renal Hormones. Richard L. Malvin, professor, Dept. of Physiology, U. of Michigan, 4 p.m., 449B Life Sciences. **Inter-Departmental Nephrology Group.**

FRIDAY, MARCH 23, 1973

Teaching with a purpose: a troika of instructional strategies. Gerald Nadler, professor of engineering, U. of Wisconsin, 10:30 a.m., 109 Anthony. **Instructional Development Services.**

MONDAY, MARCH 26, 1973

Renovating municipal wastewater with a high-rate infiltration system. Herman Bouwer, chief hydraulic engineer, U.S. Water Conservation Laboratory, USDA, 3 p.m. 221 Natural Resources. **Institute of Water Research.**

TUESDAY, MARCH 27, 1973

Reversal of cardiac glycoside effects, in vivo and in vitro, by the use of cardiac glycoside specific antibodies and fab fragments. Thomas Smith, Cardiac Unit, Dept. of Medicine, Massachusetts General Hospital, Boston, 4 p.m., 449B Life Sciences. **Pharmacology.**

WEDNESDAY, MARCH 28, 1973

The mechanism of oxidative addition to transition metal complexes. John A. Osborn, Harvard U., 4 p.m., 136 Chemistry. **Chemistry.**

Effects of pesticides on animal reproduction. Robert Cook, 4 p.m., Pesticide Research Conference Room. **Pesticide Research Center and Dairy Science.**

BOARD MATERIAL

Material for consideration at the April 20 meeting of the Board of Trustees is due in the office of the executive vice president or the provost by Thursday, March 29.

ICE ARENA HOURS

The Ice Arena will have open skating hours through April 29 from 3:30 to 5 p.m. Saturdays and Sundays and from 8:30 to 10 p.m. daily except Tuesdays and Sundays.

OBSERVATORY

MSU Observatory will be open to the public on Saturday, March 17, from 8-10 p.m. Weather permitting, the 24-inch reflecting telescope will be used for observing celestial objects of current interest. Children under age 13 are welcome if accompanied by at least one adult for each three children.

HIGHLIGHTS

Highlights of a conference held last month at MSU on the proposed anti-busing amendment to the U.S. Constitution will be broadcast in two parts on WKAR-TV, Channel 23, at 10 p.m. Thursday and Friday, March 8 and 9. Conference speakers included Nathaniel Jones, national legal counsel for the NAACP, and Thomas Pettigrew, Harvard social psychologist.

RETIREES CLUB

The MSU Retirees Club will meet at noon on Monday, March 12 for luncheon in Old College Hall in back of the Union Grill. The business meeting and program will be held at 1 p.m. in the third floor club room. Charles Pegg, former chief of police for East Lansing will be the speaker. All male retirees of MSU are invited to attend both or either parts of the meeting.

CHEMICAL EDUCATION

A symposium on graduate education will be held by the Dept. of Chemistry Monday and Tuesday, March 26 and 27. Topics will include such subjects as the economic future of science, the influence of human values on graduate education, and workshops and reports from persons who have utilized innovative plans for graduate education. There is no charge for admission and preregistration is not necessary.

WOMEN'S IM HOURS

Women's IM Bldg. hours will be 8 a.m. to 9 p.m. and pool hours 11:30 a.m. to 2 p.m. and 5 to 9 p.m. March 12-15. On March 16, the building will be open from 8 a.m. to 5 p.m. and the pool from 11:30 a.m. to 2 p.m. The building and pool will be closed March 17-20. The pool only will be open from 11:30 a.m. to 2 p.m., March 21-25. March 26 and 27 the building will be open from 8 a.m. to 9 p.m. and the pool at 11:30 a.m. to 2 p.m. and 5 to 9 p.m.

EARLY REGISTRATION

Readmitted students and students who participated in early enrollment for spring term are eligible to complete registration early including payment of fees. Those students who have a continuing University scholarship and/or loan will receive credit when they pay fees at that time. Early registration will be held Monday through Friday, March 12-16, in the Men's IM Bldg. 8-11:30 a.m. and 1-4:30 p.m. daily. Students may register at their convenience or may obtain advance reservation cards available in Demonstration Hall during the early registration period, which will insure a student's being able to register at a given time. There will be a special drop/add period during evening registration Monday, March 26. Details of early registration and the special drop/add period are listed on Page 9 of the 1973 Spring Schedule of Courses and Academic Handbook.

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

THURSDAY, MARCH 8, 1973

8:15 p.m. "No Place to Be Somebody"—The foiled ambitions of a hustler are the focus of this Performing Arts Company presentation. Tickets are available from the Dept. of Theatre, 149 Auditorium. Arena Theatre.

FRIDAY, MARCH 9, 1973

12 p.m. Society for International Development luncheon— Room C, Crossroads Cafeteria.
8 p.m. "The New World"—An original science fiction program with an underlying ecological theme, this new show in the sky theatre incorporates multi-media visions, periods of total darkness, and total stereo sound. Skywatching sessions follow the 8 p.m. performances, with outdoor observation if weather permits. Abrams Planetarium.
8:15 p.m. "No Place to Be Somebody" (see March 8). Arena Theatre.
10 p.m. "The New World" (see above). Abrams Planetarium.

SATURDAY, MARCH 10, 1973

2:30 p.m. "The New World" (see March 9). Abrams Planetarium.
4 p.m. Basketball—MSU vs. Wisconsin. Jenison Fieldhouse.
4:30 p.m. Recital—Mary Alice Stollak, mezzo-soprano, will be assisted by pianist Ralph Votapek in works by Rowley, Vaughan-Williams, Meyerbeer, Poulenc and deFalla. There is no charge for admission. Music Auditorium.
8 p.m. "The New World" (see March 9). Abrams Planetarium.
8:15 p.m. "No Place to Be Somebody" (see March 8). This is the final performance. Arena Theatre.
10 p.m. "The New World" (see March 9). Abrams Planetarium.

SUNDAY, MARCH 11, 1973

10 a.m. Advanced degree commencement—James W. Butcher, acting dean of the College of Natural Science will give the address. Tickets for guests will not be needed. Auditorium.
3 p.m. Baccalaureate commencement—Nancy Hanks, chairman of the National Endowment for the Arts and the National Council on the Arts, will speak. She and Peter B. Clark, publisher of the Detroit News, William R. Mann, dean of the School of Dentistry at the U. of Michigan, and William H. Sewell, Vilas professor of sociology at the U. of Wisconsin, will receive honorary doctorate degrees. Tickets for guests are not needed. Auditorium.
4 p.m. "The New World" (see March 9). Abrams Planetarium.

TUESDAY, MARCH 13, 1973

12 p.m. University Club luncheon—Gus Harrison, commissioner of Michigan's Bureau of State Lottery, will address those attending the buffet luncheon on "The Lot of State Lotteries." This is the last U. Club luncheon speaker for March.

FRIDAY, MARCH 16, 1973

10 a.m. Board of Trustees.
7 p.m. Institute of Agricultural Technology commencement. Auditorium.
8 p.m. "The New World" (see March 9). Abrams Planetarium.
10 p.m. "The New World" (see March 9). Abrams Planetarium.

SATURDAY, MARCH 17, 1973

2:30 p.m. "The New World" (see March 9). Abrams Planetarium.
8 p.m. "The New World" (see March 9). Abrams Planetarium.
10 p.m. "The New World" (see March 9). Abrams Planetarium.

SUNDAY, MARCH 18, 1973

4 p.m. "The New World" (see March 9). Abrams Planetarium.

FRIDAY, MARCH 23, 1973

8 p.m. "The New World" (see March 9). Abrams Planetarium.
10 p.m. "The New World" (see March 9). Abrams Planetarium.

SATURDAY, MARCH 24, 1973

2:30 p.m. "The New World" (see March 9). Abrams Planetarium.
8 p.m. "The New World" (see March 9). Abrams Planetarium.
10 p.m. "The New World" (see March 9). Abrams Planetarium.

SUNDAY, MARCH 25, 1973

4 p.m. "The New World" (see March 9). Abrams Planetarium.

TUESDAY, MARCH 27, 1973

8:15 p.m. "Applause"—One of New York's biggest musical hits during its 26-month run will star Patrice Munsel as the popular stage actress who must fight the schemes of an ambitious protegee seeking to overthrow her. The play won the Tony Award in 1970 as the Best Musical of the season. Auditorium.

WEDNESDAY, MARCH 28, 1973

2 p.m. "Applause" (see March 28). Auditorium.
8 a.m. Spring term classes begin.
8:15 p.m. "Applause" (see March 28). Auditorium.

THURSDAY, MARCH 29, 1973

8:15 p.m. "The Beggar's Opera"—First produced in 1728, this famous show is credited with knocking the props from under the Italian opera rage in England. "The Beggar's Opera," which will be presented by the MSU Opera Workshop in the Gay-Austin version, was the basis for Kurt Weil's famous adaptation "Three Penny Opera." Tickets may be purchased at the door. Music Auditorium.

FRIDAY, MARCH 30, 1973

8 p.m. "The New World" (see March 9). Abrams Planetarium.
8 p.m. World Travel Series—Stan Midgley will present a color film and "chucklelogue" on "The Rockies." Auditorium.
8:15 p.m. "The Beggar's Opera" (see March 29). Music Auditorium.
10 p.m. "The New World" (see March 9). Abrams Planetarium.

EXHIBITIONS

Kresge Art Center

The works of eight Michigan artists will be exhibited through March 25. The artists include Lester Johnson, Carole Mains Finley, Michael Hall, Susan Hauptman, Paul Welch, Olga Constantine, Patricia Quilan, and Charles McGee. Gallery hours are 9 a.m. to 5 p.m. weekdays, 1 to 4 p.m.

Saturdays and Sundays, 7 to 9 p.m. Tuesdays.

Museum

"The Golden Age in Wood" adds another fascinating case in the new Crafts Hall. Featured are examples of the carver's art from intricate whittling to expert carving. Floor C East.

CONFERENCES

March 9-10 Gladiolus Growers Conf.
March 9-10 MPA Classified Advertising Conf.
March 12-14 Highlights in Food Science
March 11-16 PCR Workshop for Police Officers
March 13-22 Basic Fire & Casualty Ins. Inst., Lincoln Park
March 14 Planning Conf. for Vocational & Technical Facilities
March 14 Small Animal Anesthesiology I, Clinic
March 14-15 Seminar on the Management Development Function
March 15 Equine Ophthalmology, Clinic
March 17 Teacher Tenure Conference
March 17-24 MSU Alumni Education Seminar, Mexico
March 19-21 Small Animal Orthopedic Surgery, Clinic
March 22 Techniques & Procedures in General Surgery, Clinic

March 22-23 The Midwest Benthological Society, Hospitality Inn
March 23 Techniques & Procedures in Thoracic Surgery, Clinic
March 25-29 Environmental Systems Conf.
March 26-30 Police Alcohol Training
March 26-30 Managing Today's Law Enforcement Agencies II
March 27-29 Foundations of Management
March 27-30 Bank Administration Institute
March 29 Asphalt Paving Conference
March 29-31 American Assembly Conference
March 30-31 State Park Concessioners

All conferences will be held in Kellogg Center unless otherwise noted.

Information on MSU events may be submitted for possible inclusion in the bulletins to Patricia Grauer, Dept. of Information Services, 109 Agriculture Hall, (517) 353-8819. Deadline for submitting information is noon Tuesday preceding the Thursday publication.