

MSU News-Bulletin

Vol. 4, No. 14

Michigan State University

JANUARY 18, 1973



A contract that will allow the start of construction on the long awaited \$4.5 million ice arena was approved by the Board of Trustees last Friday. The new structure, to be located south of Demonstration Hall, was designed to allow a minimum intrusion on the landscape. For details of this and other actions of the Board, see page 2.

Wharton elected to firm boards

President Clifton R. Wharton, Jr., has been elected to memberships of the boards of directors of the Ford Motor Co. and the Burroughs Corporation.

Both appointments, which were approved the MSU Board of Trustees, represent a continued opportunity to serve the University and the public interest, according to Wharton.

In a statement following the Ford action, Wharton said:

"I am personally pleased and honored to have been elected a member of the board of directors of the Ford Motor Company.

"My acceptance of this position, however, goes beyond personal satisfaction. Michigan State University has traditionally enjoyed excellent relations with Michigan business, agriculture and the people at large through its educational, research and public service activities. My serving as a director of this major corporation which is so closely tied to the Michigan economy and well-being should enhance these relationships.

"Furthermore, I consider my role more in the order of a 'public' director of the corporation. To emphasize and protect this role, I have arranged with Ford and the MSU Board of Trustees, which approved my acceptance, that all fees which ordinarily would be due me as a director will be paid directly to the University and that none will accrue to me personally.

Wharton said the same comments apply to his acceptance of the Burroughs position.

"It is my hope that, as president of one of the nation's finest public universities, as an educator, as a professional economist and as a citizen of Michigan, I will be able to make a meaningful contribution in assisting these corporations to serve their corporate and social responsibilities," he said.

Wharton added "I do not expect to accept any further corporate board memberships in the foreseeable future."

Wharton thus becomes the second president of a Michigan university to join the board of a major automobile firm. (President Robben Flemming of the University of Michigan recently was elected to the Chrysler Corporation Board.)

Compensation for the Ford board members is \$10,000 annually, with additional fees for attending meetings and service on subcommittees. The Burroughs directors' fees are \$6,000 annually. Wharton said that under arrangements adopted by the MSU

trustees, these funds would be paid directly to the University in the form of unrestricted grants.

Wharton said he was attracted to the Ford and Burroughs directorships because of the companies' vital role in the state's economy and in its industry.

"Particularly in view of the many public interest issues faced by the Ford Motor Co., including such matters as automotive and plant pollution, safety, and non-discriminatory employment policies, I believe that I could make a

(Continued on page 2)

Few A-P raises seen

As the last phase of a six-month evaluation of the University's A-P compensation system nears completion, the on-site director for the independent firm conducting the study warns against inflated hopes for fatter pay checks.

Timothy Reilley, of the consulting firm of Robert H. Hayes and Associates, says there is "too much unwarranted optimism" that the firm's recommendations to the Executive Group about Feb. 15 will call for pay increases for many A-P employees.

Actually, he predicts, about 90 per cent of the A-P employees are not likely to experience any salary adjustment at all. Although he can deal only in rough estimates at this time, he predicts about 7 per cent will have their salaries adjusted upwards and about 2 per cent will be "red circled" or frozen at their present salaries until others in their classifications catch up with them.

"In most cases, MSU A-P employees are paid very well in comparison to other universities," he says. "This is especially true at the lower levels where the difference is sometimes as much as \$2,000."

The firm has conducted similar studies at George Washington University, University of Iowa, University of Michigan, and

Northwestern University. At U of M, in their study completed last summer, the firm reported 13 per cent of the A-P employees were being paid below the recommended minimum for their jobs, and 3 per cent were above the maximum.

One purpose of the study was to determine whether women and minority employees earn less for the same job as other employees at MSU. Reilley said minority employees were not being discriminated against in pay, but the study did identify "a few" women who were not earning equal pay for equal work.

Reilley indicated that most of the wage adjustments — both those upward and those to be "red circled" — would probably be for upper level A-P's.

One reason for some instances of upper level employees being paid below the recommended minimum, he feels, is that there are a higher proportion of young people in these positions at MSU than at other universities.

The firm's part of the compensation evaluation will end with its presentation to the Executive Group next month, but Reilley expects to be called upon to answer specific questions from time to time. The value of the study and implementations stemming from it will be determined by the Executive Group.

Thomas new secretary

There will be a new face up front at the next Academic Council meeting.

Members were informed at the meeting Tuesday that Gordon Thomas, assistant dean of the College of Communication Arts and professor of communications, has been named the Secretary of the Faculties. He replaces Madison Kuhn, who retired from the post after five years. (See News-Bulletin, Jan. 11).

Thomas said he is looking forward to his new responsibilities, "because I will be in the position of serving the faculty and helping them do their work."

"I'll be assisting in the flow of decisions from one group to another," he said.

The Secretary of the Faculties records and distributes the minutes of various academic governance groups.

Thomas added that he can see the expansion of the position with possible future alterations of the academic governance systems.

According to Thomas, this position will give him a chance to branch out. "It's sort of like changing some responsibilities without having to change jobs," he said.



GORDON THOMAS

In other council action, a curriculum committee report was approved and procedures were accepted for undergraduate interdisciplinary (IDC) courses.

The IDC proposal establishes a routing system for all undergraduate courses which are University-wide in scope. "These are IDC courses that may be generated from a cluster of departments scattered among several colleges and not necessarily identified with a single college," said Lester Manderschied, professor of agricultural economics and chairman of the educational policies committee. His committee and the curriculum committee presented the proposal.

The proposal calls for University-wide IDC courses to be routed through the assistant provost for undergraduate education.

The council also heard a report of the academic governance committee calling for bylaw changes for inclusion of librarians in the academic governance system.

The Board recap

Trustees elect Merriman chairman

The election of a Board chairman, the approval of the University's first director of women's programs, the naming of a new Department of Physics chairman, and the awarding of the first John A. Hannah Distinguished Professorship, were the major actions of the Board of Trustees at its monthly meeting Jan. 12.

MERRIMAN ELECTED

Frank Merriman, a member of the MSU Board since 1959, was elected chairman by a 5-2 vote. Fellow Republicans Kenneth Thompson, Jack Stack, and Aubrey Radcliffe voted with Merriman along with Democrat Warren Huff. Patricia Carrigan, the other nominee for the post, abstained in the vote.

A four-four split on the nominations

of Thompson and Carrigan for vice-chairman means that post will remain vacant for at least two years.

The Board had operated for the previous two years without a chairman because no candidate in January, 1971, could muster the necessary five votes.

Merriman, who previously served as vice-chairman in 1969-70, is a Deckerville dairy farmer who has also held a number of agricultural posts in the state, including the presidency of the Michigan Agricultural Conference.

WOMEN'S DIRECTOR

Mary K. Rothman, a personnel technician with the Michigan Department of Civil Service since 1967, will assume her duties as director of women's programs next month. She was

selected from among 16 applicants for the \$18,500 post which was created by the Board in September as part of the establishment of the Department of Human Relations.

Her responsibilities will include



FRANK MERRIMAN

the ten participating middle cities school districts in Ann Arbor, Battle Creek, Bay City, Benton Harbor, Grand Rapids, Jackson, Kalamazoo, Lansing, Muskegon, and Saginaw.

E. Robert Muth, assistant dean in the



MARY K. ROTHMAN

College of Education for special programs, will work half-time at MSU for the association.

He formed the association six years ago to gain the legislature's awareness of the education problems which core cities other than Detroit are facing. The schools in these cities serve a substantial percentage of the environmentally handicapped children of low income families.

INSTITUTE REPLACED

The Board replaced the Institute of Biology and Medicine, established in 1961 as part of the Office of the Provost, with the position of assistant provost for health programs in an effort to strengthen and administrative structure for coordinating medical and other health science academic programs.

John C. Howell, who has been associate dean of the College of Human Medicine, was named to the new post, and Robert D. Schuetz, who has been acting director of the institute for the last two years, will become Howell's associate with the title of assistant coordinator of health programs.

CONSTRUCTION APPROVED

Spartan hockey fans won't have to put up with what Coach Amo Bessone calls "the only rink in the country that can guarantee you a bad seat" after next season. The Board approved a \$3.5 million construction bid for the new ice arena due to be completed in June, 1974.

The arena, which will involve a total cost of \$4.5 million, will seat 6,020 and provide standing room for about 1,000 more.

The Board also approved further work in the \$12 million expansion of Power Plant 65 by awarding a \$345,000 contract for modifying the plant's water treatment facilities to provide demineralized water for the facility's new boiler.

PERSONNEL ITEMS

Among some 438 appointments, resignations, salary changes and other personnel items approved by the Board were six academic promotions. They were: Herbert W. Olson, to associate professor of health, physical education and recreation; Thomas J. Manetsch, to professor of political science; Douglas Noverr, to assistant professor of American Thought and Language; Joseleyne Tien, to assistant professor of American Thought and Language; Thomas U. Foster, to assistant professor in the Instructional Media Center.

Retirements approved

Twenty retirements were approved by the Board of Trustees at its Jan. 12 meeting. They were:

*Hosea Ray Barton, senior gardener, grounds and maintenance, effective Jan. 1, 1973, after 24 years.

*Harry G. Brainard, one year consultantship beginning July 1, 1973 with retirement as professor emeritus of economics effective July 1, 1974, after 26 years.

*Grace S. Brake, control checker, Laundry, effective Feb. 1, 1973, after 12 years.

*Richard J. Cain, maintenance foreman, Residence Halls, effective Jan. 1, 1973 after 25 years

*Irving L. Dahljelm, one year consultantship beginning Feb. 1, 1973 followed by retirement as assistant professor emeritus of microbiology and public health on Feb. 1, 1974, after 24 years.

*Maurice W. Day, one year consultantship beginning July 1, 1973 followed by retirement as assistant professor emeritus of forestry after 34 years.

*Doris Durance, receptionist-clerk, Wilson Hall, effective Jan. 1, 1973, after 15 years.

*Helen E. Eberly, head nurse, Health Center, effective Feb. 1, 1973 after 17 years.

*Jack C. Elliott, effective July 1, 1973 as professor emeritus, Lyman Briggs College, after 26 years.

*Arnold D. Everett, clerk, General Stores, effective Feb. 1, 1973, after 24 years.

*Joseph L. Heirman, county extension director, Cooperative Extension Service, effective Apr. 1, 1973, after 32 years.

*Bernadette R. Henderson, executive secretary, Department of Zoology, effective Feb. 1, 1973, after 40 years.

*Harold R. Hosken, laborer, University Farms, effective Jan. 1, 1973, after 23 years.

*Karl E. Larson, county extension director, Cooperative Extension Service, effective June 1, 1973, after 22 years.

*Tracy S. Myers, carpenter, Physical Plant, effective Feb. 1, 1973, after 21 years.

*Theron E. Schmachtenberger, senior gardener, Grounds Maintenance, effective Jan. 1, 1973, after 22 years.

*Martha P. Spring, microbiologist, Microbiology and Public Health, effective Dec. 1, 1973, after 22 years.

*Troy L. Stearns, one year consultantship beginning July 1, 1973 followed by retirement as professor emeritus of secondary education and curriculum effective July 1, 1974, after 30 years.

*Henry Venzke, typewriter repairman, General Stores, effective Feb. 1, 1973 after 30 years.

*Willie Walker, kitchen sanitation technician, Union Food Service, effective Jan. 1, 1973, after 22 years.

... Wharton elected

(Concluded from page 1)

useful contribution in the public interest, as well as in the interest of the company itself," he said.

"Burroughs is a leader in many areas of science and technology," he added. "Since MSU is the nation's second largest producer of science graduates, our new relationship with the corporation is particularly fitting."

Wharton said that since assuming the MSU presidency in January 1970, he has made it a policy to consult with the

trustees on his external board memberships, requesting their approval of additions or replacements. He said he has had numerous requests to serve on various boards during the past three years.

"My general philosophy regarding such external commitments is that my exclusive relationship is with Michigan State University and that my external activities in any new areas should bear a direct beneficial relationship to the institution," he said. "Therefore, if in the Trustees' judgment such service would be to the advantage of the University, then I would accept; if not, then I would decline. Further, I believe that consideration should be limited to firms within the state for obvious reasons."

Wharton also is a director or trustee of the Equitable Life Assurance Society (since 1969), the Rockefeller Foundation, the Public Broadcasting Service, the Museum of Modern Art, and the Carnegie Foundation for the Advancement of Teaching.

MSU News-Bulletin

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Editorial offices: Rooms 323 and 324, Linton Hall, Michigan State University, East Lansing 48823. Phone: 355-2285.

Published weekly during the academic year by the Department of Information Services. Second-class postage paid at East Lansing, Mich. 48823.

Around the campus: A summary

Mrs. Wharton to speak at U-club

University club members attending the weekly Tuesday luncheon meeting Jan. 23 in the Shibui room will hear Mrs. Clifton R. Wharton Jr. discuss sculptor Claes Oldenburg.

"Claes Oldenburg: New Lamps for Old" is the title chosen by Mrs. Wharton.

An influential figure in the field of contemporary sculpture, Oldenburg has been commissioned to create a significant work for the Washington Square Mall in Lansing. Funds for the sculpture will be derived from a \$45,000 grant from the National Endowment for the Arts to be matched by local funds.

Oldenburg is expected to present a model to the Sculpture Committee next month with completion of the work in early fall.

Mrs. Wharton is a member of the Michigan Council for the Arts, the Governor's Special Commission on Architecture and the Michigan Bicentennial Commission. She is also a member of the Junior Council of the Museum of Modern Art in New York City, and the author of "Contemporary Artists of Malaysia: A Biographical Survey," published in 1972.

Chemical waste control initiated

A new chemical waste disposal program has been instituted on campus by the Waste Control Authority.

Mark E. Rosenhaft, director, said that chemical pickup will include those which cannot be routinely neutralized and discarded.

"We hope that 'hazardous' chemicals can be safely dealt with," he said.

The Department of Public Safety will pick up any hazardous waste chemical. However, faculty, staff and students are being asked to identify by tag those materials which are deemed harmful, toxic or environmentally unsound.

The authority has distributed tags for identification of the wastes to deans, directors and department chairman. These tags have appropriate boxes to check if the chemical waste is nonhazardous, toxic, explosive, acid, corrosive, flammable, shock sensitive or alkali.

Rosenhaft said that in many cases, chemicals can be easily neutralized and disposed of through the sewage treatment system or by the landfill method.

The hazardous chemicals will be picked up periodically by a Detroit-based chemical company and transported to their plant for disposal.

Further information may be obtained from the authority at 355-1826.

Writing tutors available

Writing tutors are available free to students again in winter quarter through University College in Room 203 Ernst Bessey Hall. Students in ATL, which provides the service, have priority over other students.

Considerable support by students and faculty of the tutorial program, and good results among participating students, were noted in the fall by Jane S. Featherstone, director of the ATL Comprehensive English Program.

A total of nine tutors are available on demand. They will work closely with ATL faculty. Each has had experience in aiding students to master writing skills.

Tutoring is available Mondays through Thursdays from 9 a.m. to 5 p.m., and 7 to 9 p.m.; and Fridays from 9 a.m. to 5 p.m.

Help is given in theme organization, generation and development of ideas, and grammar. Tips are given on sentence construction and completion, and spelling.

JMC tries modular scheduling

Modular scheduling, a new form of class scheduling designed to give students a more intense, concentrated learning experience is currently being tried at Justin Morrill College.

"Although modular scheduling is still in the experimental stages at MSU, Colorado State University has converted all of its classes to the modular format and it was their example that prompted the JMC experiment," said Neil Cullen, an instructor at JMC.

According to Cullen, modular scheduling is somewhat similar to the five week courses now offered at MSU during the summer.

"The term is divided up into two four and one-half week modules with a break in between. Students attend one class during each module," said Cullen.

"Class meetings are arranged by the students and the instructor and range from large group daily sessions, to small group or individual sessions with time reserved for field study, reading, research and writing," he added.

"We have been experimenting with modules since last summer," said Cullen, "and we have found that flexible scheduling is one of its major advantages."

Continuity has improved because there is almost no time lapse between class meetings. Whereas, linear or normal scheduling usually has a gap between class meetings - classes may meet Tuesday and Thursday, or Monday, Wednesday and Friday, etc.

According to Cullen, professors have found that the students jell much quicker with modular scheduling. They got to know one another better and participate in more class discussions as a result.

"Students who have difficulty dividing their time between three or four classes," said Cullen, "benefit from this type of scheduling because they can concentrate on one course at a time."

On the other hand, one of the major disadvantages of the modules has been schedule conflicts since JMC students also take linear scheduled courses offered by the University.

"Although the college is offering half-day modules rather than full-day, students still have to reserve at least half of their day, say from 9 a.m. to 12 noon, for a modular course which cancels out University courses offered during the time," said Cullen.

"Almost 50 per cent of our perspective students are eliminated because of scheduling problems," he explained.

He then discussed some of the faculty and student reactions to the program.

"Faculty members found the modules exhausting and were unable to cover the material even though, technically, they had as much time available as for a ten week course," said Cullen.

They also felt that it was difficult for students to gain a perspective since the material was covered so rapidly. Some students agreed with this observation. They said they had a "sense of time passing too rapidly to get work done" and "a feeling that the class had just started when it ended."

"Another important consideration is determining which courses are best suited to modular scheduling," explained Cullen.

"We have found that courses with the following characteristics lend themselves to modular scheduling:

- *Courses which require concentrated efforts

- *Courses which require familiarity with material vs. perspective

- *Courses which generate enthusiasm and intensity vs. disinterested objectivity.

- *Courses that are highly structured and able to take advantage of interrupted time periods.

Cullen described modular scheduling as an "alternative for students who like its intense nature, and a contribution to the variety and content of teaching and learning styles at the University."

Despite pros and cons faculty and students have indicated a willingness to participate in more modules to see if some of their reactions are due primarily to the newness of the system, he added.

Appel seeks ethnic material

ATL Professor John Appel has been invited to contribute a chapter on ethnic history to a book of readings for undergraduates, and is eager to contact others who have done research in areas of Black, Chicano, Puerto Rican, Oriental-American, American Indian and immigrant history.

He is particularly interested in:

- *Notably successful or unsuccessful new methods in ethnic history.

- *New areas of investigation in ethnic history.

- *The application of sociological, economic and psychological data to ethnic history.

- *Newly created legends in ethnic history.

- *Other interesting wrinkles in the fabric of ethnic history.

The book of readings will deal with such matters as the "new" history for and about women, popular culture, legal history in relation to public interest, and econometrics.

50th vet conference set

The 50th annual postgraduate conference and alumni reunion of the College of Veterinary Medicine is set for next Tuesday and Wednesday, Jan. 23-24.

About 500 Michigan veterinarians and their wives are expected for the educational updating in the Kellogg Center.

"What's Ahead for Veterinary Medicine?" is the theme.

Headliners addressing the session will be Donald A. Price, Chicago, Ill., executive vice-president of the American Veterinary Medical Association, and W. W. Armistead, dean of the College of Veterinary Medicine.

"Where Is Organized Veterinary Medicine Going?" is the topic of Price, and "Future Changes in Veterinary Education," of Armistead, in the first general session, chaired by Dr. John F. Quinn, Lansing, president elect of the AVMA.

Other general session speakers will examine the new veterinary medicine curriculum which MSU begins in June, how the university trains animal technicians and proposed Michigan legislation related to the utilization of these technicians.

The golden anniversary conference will present the latest information on the diagnosis and treatment of a great variety of animal disorders. Such matters as drug usage in food-producing animals, animal waste disposal and nervous disorders in dogs also will be discussed.

What MSU is reading

Separate Reality

Teachings of Don Juan

Journey to Ixtlan, by Carlos Costaneda (4)

Chariots of the Gods, by Eric Vondaniken (3)

Why Am I Afraid to Tell You Who I Am?, by John Powell (3)

Moon Is a Balloon, by David Niven (2)

The Show Business Nobody Knows, by Earl Wilson (2)

Rabbit Redux, by John Updyke (2)

Bear Island, by Alistair Maclean (2)

The Exorcist, by William P. Blatty (2)

Honor Thy Father, by Cay Talese (2)

Born to Win, by James & Jongeward (2)

Notes to Myself, by Hugh Prather (2)

The survey was taken during the week of January 15, and includes topselling books and paperbacks at these local stores: Paramount Newstand, Tom Sawyer's Book Raft, the Campus Book Stores and the Community Newcenter. Inside the parentheses are the number of stores at which each book is among the top 10.

Home economist helps expand rural opportunities

This is the second of four articles to appear in the News-Bulletin this term on faculty and staff members who are full-time professionals in the area of lifelong education.

Rural women don't get together just for sewing bees anymore.



BY
SANDRA
DALKA

They now have workshops on family money management. There are also child development sessions, arts and crafts and a wealth of other educational opportunities. And there's the MSU Cooperative Extension Service home economist helping to make such opportunities possible.



HELEN MEACH

Mrs. Helen Meach, the extension home economist in Arenac, Iosco and Ogemaw counties, is representative of the 75 state-wide home economists who serve the needs of their communities.

In Mrs. Meach's case, her community is basically rural and low-income.

Based in Standish, Mrs. Meach travels throughout the tri-county area with other offices established in East Tawas and West Branch. She helps serve the educational needs of approximately 50,000 inhabitants.

She visits with area study groups, helps develop leadership in people working with other people, distributes current consumer information through monthly newsletters, newspaper articles and radio programs, and is generally a MSU link to this northeast section of the state.

CAMPUS SUPPORT

"My support comes from extension specialists on campus and in other parts of the state who provide me with current information completely researched," Mrs. Meach said. Additionally, she receives information from the Department of Agriculture.

An example of the type of information she disseminates is found in the December newsletters to young families. The newsletter contained an article on toys that can be lethal to children.

Ed Perlberg is co-editor of the Arenac County Independent, a weekly newspaper which runs a family living column written by Mrs. Meach.

"Such a column is necessary and well received by the readers because it is informative and helpful, and assists readers in becoming better shoppers and

better homemakers," he said.

Although Mrs. Meach said the main function of her office and the extension offices around state is to provide life-long educational opportunities, the operations also serve a service function.

Each office provides materials, in the form of pamphlets and brochures, on various subjects ranging from food guides for older people to home and family development, available free to the community.

"People can stop in and pick up these materials or have them mailed to them," she said. "Also, we send sample packets of materials to area teachers for use in their classes."

Mrs. Meach gets additional help through the cooperation of social services departments and health organizations.

She explained that a recent program in home care of the ill was planned with the cooperation of the Arenac Public Health Department. Mrs. Catherine Heinrich, the county nurse, and the strong working relationship of the two offices were instrumental in the success of the program.

RELIES ON VOLUNTEERS

"We rely not only on the cooperation of social agencies but on community volunteers in making programs such as this successful," she added.

According to Mrs. Meach, volunteers play an important part in the popularity of the annual Mini-College Day for area women. An educational program, the day offers classes in such areas as personal development, consumerism, child abuse, sewing, macrame and photography.

Mrs. Meach said the subjects of workshops and seminars are determined through interest and need. "The need will usually surface during meetings of the study groups, young homemaker organizations or the Family Living Council."

Janet Fritts, county chairman of the Arenac County Family Living Council, said that the extension home economist provides the expertise needed by her group in program planning and coordination.

These family-oriented organizations have survived through the input of the extension home economist.

The expertise needed by the groups come from the home economist herself and the office's various links to specialists.

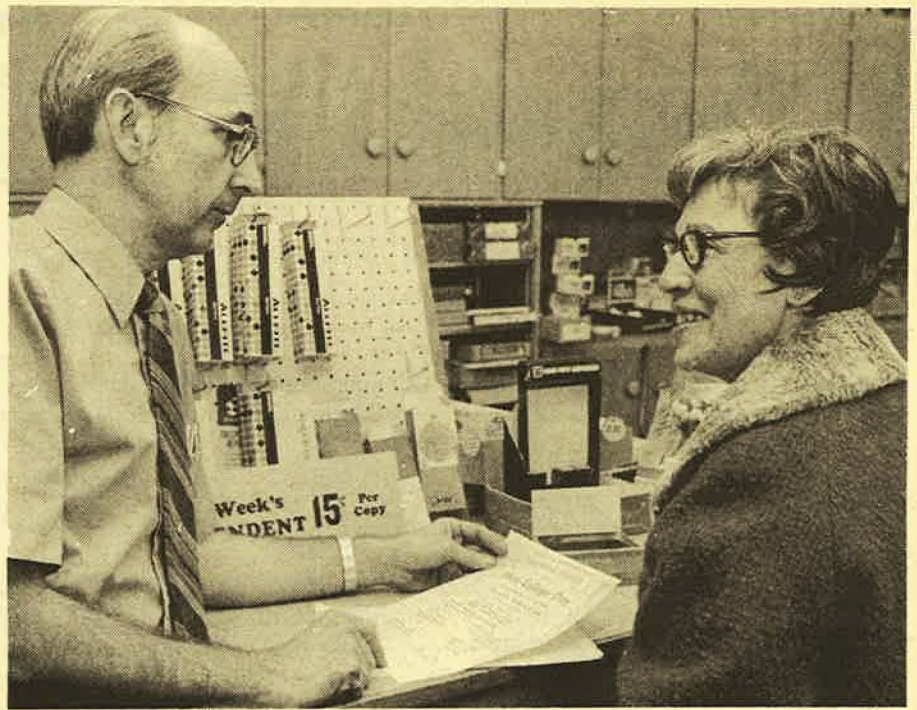
12 YEARS EXPERIENCE

With the cooperative extension service for 12 years, Mrs. Meach has been on her current assignment since June. She formerly served in Shiawassee County. She graduated from MSU in 1931 with a B.S. in home economics and has taught high school and served with a practical nursing program in Traverse City.

A wife, mother of two and grandmother of six, Mrs. Meach said she sees her job "as an opportunity for people throughout the state to continue their education even if they don't have access to a college campus."

"Through the extension service, people receive research information and the latest developments in the areas of family living, nutrition, child development, money management and consumerism," she said, "and there's a great need for this type of information."

"We are an arm of the campus, and we deal with all age groups from teenagers in 4-H programs to retired adults in helping them acquire new education for their older years."



Photos by Dick Wesley

Meeting with Ed Perlberg, editor of the Arenac County Independent newspaper, is a pleasant part of Mrs. Meach's weekly tasks.

New House has youthful look

There are many ways to interpret an election. Following the fall election for seats to the Michigan House of Representatives, both the Democratic and Republican parties were claiming victories. The Democrats were pleased that they had been able to shorten President Nixon's coattails. The Republicans, however, felt that they were sending some fresh, new faces to Lansing.

With the recent swearing in of the 77th Session of the Michigan Legislature came an opportunity to take a closer look at some of the freshmen members of the House of Representatives.

Among the Democrats, the average age of the new members is some 15 years younger than freshman Democrats in the last session. Observers also point out that as far as attitudes are concerned, the new Democratic members could be charted as 25 years younger than the previous freshmen.

Rep. Bobby Crim of Davison is seen by many as a leader among the new Democratic members. A member of the House from 1965-66, he served as Executive Secretary to Speaker of the House William A. Ryan from 1969-72. He was also elected by the Democratic caucus as Majority Floor Leader, which carries responsibility for the floor management of all bills and being certain that Democratic members who are best acquainted with bills before the House are ready to present information.

Other new members on the Democratic side who are seen as potential leaders include: John Otterbacher, a 29-year old Aquinas College faculty member from Grand Rapids; Gary Owen, a young school teacher from Ypsilanti who was heavily supported in his campaign by students from Eastern Michigan University; Perry Bullard, a young lawyer from Ann Arbor who is considered by many as the most liberal of new House members; Howard Wolpe, a young former faculty member at Western Michigan University with strong interests in higher education; and Michael Griffin, former Vice Mayor of Jackson and considered the most conservative of the new Democratic members.

Although not as noticeable as the Democrats, the freshman Republican members of the House are also somewhat younger than past groups. The average age is 40 years old.

Republican newcomers to the House seen as potential leaders include: Dan Angel, a former faculty member at Albion College with a Ph.D. in communication who has written biographies of former Governor George Romney and Governor William G. Milliken; Richard Buth, a Grand Rapids school teacher with close ties to the House Republican leadership; and Mark Thompson, a young representative from Rogers City who formerly worked as a legislative analyst for the House Republicans and is close to Republican leaders.

The backgrounds of the new members of the House presents a wide range of experiences. There are four Ph.D's, three of whom are recent college faculty members. The new House members also include six school teachers and administrators among the freshmen, which may well represent the active role played by the Michigan Education Association in the past election. Three of the new House members come from agri-business backgrounds, while only two are lawyers. Other professions represented include: banking, barbering, printing, engineering, the ministry, municipal government and the press.

While there are no women among the new members, there is one black from Pontiac who along with Rep. Earl Nelson of Lansing make up the two of 14 blacks in the Legislature not from Detroit.

Among issues of interest to MSU which were left unsettled by the last session of the Legislature are the establishment of a new Law School at the University and the appropriation of planning money for a Communication Arts Building. The last Legislature also took no action on a bill concerned with the coordination of telecommunication in Michigan which would have involved WKAR-TV and radio. Similar legislation is expected to be introduced during this session.

Waiting in the background, as the appropriation process for higher education begins in the Legislature, is the question of the legality of out-of-state tuitions which is now before the courts. If a negative decision is made before the appropriations are settled, a serious financial situation could develop for the larger state universities in Michigan.

—MIKE BORN

Harry Bridges: Larrowe's subject

("Harry Bridges: The Rise and Fall of Radical Labor in the U.S." by Charles P. Larrowe, Lawrence Hill and Co., New York City.)

Charles P. Larrowe has never been accused of laboring in ivory tower obscurity.

An outspoken activist, he has championed the causes of both faculty and students when he feels they have been trod upon by the academic establishment. Once, for example, he picketed with student workers seeking to gain collective bargaining rights at a local restaurant.

As "C. Patric" Larrowe he has written numerous pieces for the State News in which his subjects — usually his faculty colleagues or central administrators — are treated with... well... irreverence.

Now, as a labor economist and professor of economics at MSU, he has written a major book on the famed longshoremen's union leader, Harry Bridges. (In characteristic fashion, Larrowe reviewed the book himself for the State News, urging, tongue-in-cheek, that the work be considered for a Pulitzer Prize.)

The book — "Harry Bridges: The Rise and Fall of Radical Labor in the U.S." — has attracted critical praise from a variety of reviewers. The New York Times Book Review called the book "one of the best labor biographies" in years, adding that it "often reads like an adventure story."

In his 40 years on the San Francisco waterfront, Harry Bridges rose from a young radical labor organizer to leader of the International Longshoremen's

and Warehousemen's Union. He has led several noted strikes, ranging from the 1934 San Francisco General Strike to a dockworkers' walkout in 1971. And along the way, his fame — or infamy — spread as the result of repeated efforts to have him deported to his native Australia because of his alleged Communist affiliations.

Larrowe took more than 10 years to complete the work, and he did so without the direct help of Bridges. Larrowe points out, however, that Bridges never interfered with the project, nor did he prohibit aides from cooperating with Larrowe. Although provided with a copy of Larrowe's manuscript, Bridges refused to make specific comments about the content (except to label it a "series of distortions, half-truths and outright lies...") for fear that such comments would be construed as his authorization of the book.

Larrowe writes that while Bridges himself came from a middle-class background, he was able to identify with and represent the dockworkers' needs. Bridges is quoted in a recollection of his early organizing days: "I used to tear my guts out trying to tell them that they (longshoremen) were just as good as anybody else around here; that they could become respectable members of the community; that someday they'd be accepted."

Once Bridges' longshoremen attained hard-won goals, however, he then had to contend with criticism that he and they had become too respectable.

Larrowe says that by the 1960s, Bridges, despite his early reputation as a

radical, "had no sympathy for the student movement, nor apparently any understanding of it. While he sympathized with the civil rights movement, he remained on the edge of it. And while he spoke out early against the Vietnam War, he remained aloof from the peace movement..."

But Larrowe remains sympathetic in his overall assessment of Bridges' accomplishments: "It surely is not premature... to say that because of his leadership, West Coast longshoremen are better off economically than dockworkers anywhere in the world. Their union, moreover, is one few others can rival for internal democracy and for a sense of the role a union can play in the wider struggle for social justice."

And Larrowe emphasizes that Bridges has not let mellowness (Bridges is now 71) overcome his integrity. "Bridges' insistence that he and other ILWU officials should be paid frugal salaries, in contrast to the bountiful amounts received by most American union officers, gave him a deserved reputation for incorruptibility."

Much of the book recounts the continuous attempts to have Bridges deported because of his alleged Communist activities — attempts that were supported at various times by other union leaders, by shipping companies and by the government.

Through charges and legislation, the government tried to send Bridges back to Australia, and while the attempts nearly succeeded, two Supreme Court rulings kept him on the San Francisco waterfront.

HARRY BRIDGES

The Rise and Fall of Radical Labor in the U.S.

Charles P. Larrowe



In one Supreme Court decision (1945) that thwarted a deportation attempt, Justice Frank Murphy said that the case "will stand forever as a monument to man's intolerance of man. Seldom if ever in the history of this nation has there been such a concentrated and relentless crusade to deport an individual because he dared to exercise the freedom that belongs to him as a human being and that is guaranteed by the Constitution..."

Reviews and recommendations by a variety of publications indicate that Larrowe's book could be something of a financial success. But any profits for the book won't necessarily come from Larrowe's economics students. While he is asking them to read it for class, he carried a pocketful of quarters (his royalty on each paperback sale is about 25 cents) for anyone who thinks he has succumbed to profiteering.

—GENE RIETFORS



DAVID ANDERSON

A state of mind. A delight in independence. An inclination to introspection. An economy of language. A love-hate relationship with the place of origin. A geographical tie. A preference for action over persuasion. A conviction on political and social issues. A westward-looking spirit. A relative freedom from European antecedents. A strong story-telling tradition. A drive for separation and rebellion.

These are among the multiple choice definitions of midwestern literature. Not all of them fit all the authors and essayists and poets who have done, or begun, or returned to, their writing in the geographical Midwest. But the writers have demonstrated their physical, subject-matter or spiritual ties.

"We are still arguing over many of the definitions, geographical, historical, and psychological," said David D. Anderson, professor of American Thought and Language, and instigator in 1969 of the MSU-based Society for the Study of Midwestern Literature.

Midwest literature

There's no one definition

"Some critics feel that some writers in the 12 midwest states are not midwestern at all, that the geographic tie is not enough. Some feel that the historical phase of midwest literature began in the mid-19th Century when the area stopped being 'the West' because new pioneers were moving to 'the Far West.' Others argue against any regionalism at all since technology created the 'global village' along with boundless space travel and instant mass media.

"Some of the psychological traits are disputed, too."

But, regardless of the so-far imprecise definitions of midwestern literature, the society has grown since its conception in 1969, and its formal establishment in 1971 when it had seven founding



BY
FRAN
MURRAY

fathers led by Anderson, and including Russel B. Nye, Distinguished Professor of English, and C. Merton Babcock, ATL professor. Now, in January, 1973, the membership stands at 300 individual members and 30 institutional members from academe.

"Midwestern Annual: A Collection of Essays" has been planned since last spring, and will be printed "early this year, we hope," Anderson said. It will include about 20 essays chiefly on midwest writers but focusing too on other aspects of the literature.

The growing interest in midwestern literature is demonstrated in the increasing membership in the society, in the current plans for courses in midwestern literature at three universities located in Illinois and Ohio, in the two seminars conducted on request by Anderson this fall and winter in St. Louis and New York, and in the soundings from other universities in the midwest to have the proposed Midwestern Literature Center established on their campuses.

"We began the Society here," Anderson said, "and, really, we would like to keep it here. If the present growth rate continues, though, we will need more space than we have here, and some support beyond that now provided by University College and ATL."

The space Anderson calls "here" is his one-man office, regular size, in 240 Ernst Bessey Hall. It also happens to be his office base for teaching ATL, in which he is using as text this term his own American literature anthology, "Sunshine and Smoke." "Here" is too his office as editor of the "University College Quarterly" which, incidentally, will produce a winter issue about, by, and for women in academia.

Anderson says there are scores of midwestern writers. First to come to mind is Sherwood Anderson, on whom the ATL professor has considerable expertise. Then Carl Sandburg, Louis

Bromfield, Willa Cather, William D. Howells "who returned to the midwest in spirit after he had become in the East the grand old man of American letters," Edgar Lee Masters, Saul Bellow, F. Scott Fitzgerald, and Ernest Hemingway.

And Vachel Lindsay, a group of Chicago based Afro-Americans including Richard Wright and Gwendolyn Brooks, Theodore Dreiser, Ring Lardner, Glen Swarthout, William Allen White, MSU's Russell Nye and Anderson himself, Theodore Roethke, Sinclair Lewis.

The list goes on and on.

The society publishes newsletters for members. The last issue ran 12 mimeographed pages and included a report of the annual meeting at MSU in October when the chief speaker was Madison Kuhn, MSU historian, and panel discussions focused on midwestern elements in the writings of major American writers, and the significance of writers who remained midwestern. The newsletters list new members, and new paperbacks by or about midwestern writers.

Anderson discussed the curious love-hate relationship in much of midwestern literature, though rarely found in writers from New England, the South and the Far West.

"The love-hate relationship is akin to the pervasive inferiority complex of Canadian writers in the face of American sophistication," he said. "Only when they become secure enough to recognize their own abilities and emotions do they drop their sense of shame of their origins."

"For Sherwood Anderson, the most shocking thing to learn was that his 'Winesburg' was not a phenomenon at all but simply one part of the whole world. Other writers on midwest origin learned too in maturity that the Promised Land is nonexistent outside the countryside."

The Forum

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

Values in higher education

Dorothy Arata, assistant provost for undergraduate education, prepared the following lecture entitled "Values and Morals in Higher Education" for a fall term Great Issues course. At the request of the News - Bulletin, she agreed to its inclusion in The Forum.

The topic "Values and Morals in Higher Education" is a difficult one to discuss. The difficulty stems from the fact that values and morals in higher education — indeed in the larger society — are changing too rapidly to take a fix. But then, I suppose it has always been thus. In a free society, change is inevitable and healthy because it reflects a degree of life. To quote a phrase from Macaulay, "In the dead there is no change." Or as Burke put it, "A state without the means of some change is without the means of its conservation. I accept change not only as an inevitability, but as a pulsating thing to be nourished and cherished.

However, change takes many forms and wears many guises. It can be thoughtless or considered; it may be cruel or compassionate; it may be temporal or long-lived. Perhaps most critical to contemporary issues, it may simply represent another way of expressing an existing moral code, or it may presage and mold a totally new value system.

Before we turn to specific issues taxing the moral responsibility of this institution, let me remind you of some very real constraints which make it difficult for the University to respond. I am certain you don't need to be told of the agonizing fiscal limitations imposed on this, and every educational

institution in the land. You may not be aware of the process by which those fiscal limitations may interfere with the University's ability to respond to moral obligations it has recognized as valid. Let me attempt to illustrate.

I believe the primary point of concern centers on the question of accessibility. The University recognizes its responsibility to make higher education available to a wider range of people than it has ever been before. A worthy goal. The problem is that this institution is now in a closed system. The legislature has not put a ceiling on the number of students to be admitted, but it has put a ceiling on the number of dollars it will provide. That is, we are budgeted for 40,000 students. We may admit more, but no increased appropriation will be made. Obviously, we are trying to hold the line at 40,000.

Some people believe we are already too big. What does all this mean? It

"... change takes many forms and wears many guises. It can be thoughtless or considered; it may be cruel or compassionate; it may be temporal or long-lived."

means, given a closed system, if we elect to admit more students from previously excluded groups of our population, we must face the inescapable and concurrent decision that we will admit fewer students from some other sector of the population. Further, if a "new source" of students is more expensive to educate, the dollars will have to be generated from other internal groups. These are very difficult decisions to make.

Even in the face of these swirling

concerns, this University has taken some forward direction. Perhaps we can best grapple with this issue by using as an entry point a discussion of a very significant document, the report of the Commission on Admissions and Student Body Composition. This group was appointed by President Wharton and reported out about one year ago. In response to one of its recommendations, a Task Force on Lifelong Education was appointed. It has recently released its preliminary report.

THE NEW STUDENT

The Commission strongly recommended that this University significantly broaden the base from which it obtains its students. It focused the University's attention on three groups; the economically disadvantaged, the educationally disadvantaged (including physically handicapped), and the minority groups.

Let us first look at the economically disadvantaged. They are defined by the commission as "those individuals who possess acceptable academic credentials but who, because of financial disability, are inadequately represented in institutions of higher education."

More simply put, this mandates MSU to open its doors not only to middle and high socio-economic groups, but to the poor as well. A recent study indicated that of high school students who scored in the upper quintile on SAT tests, those from rich families planned to attend college at a rate of over 80 per cent. In the lower socio-economic groups (the poor), less than 30 per cent planned to go to college. A tragic loss of human resources!

Next, the educationally disadvantaged. They are defined by the Commission as "those individuals who have academic potential, but who, because of their economic, cultural, or educational background or environment, would be unable to realize that potential without special support services."

And finally, minority groups as defined by the commission as "those individuals who possess acceptable academic credentials but who, because of financial disability, are inadequately represented in institutions of higher education."

I call your attention to the fact that there are no quotas imposed (by the Commission) — or even suggested. What is suggested is that the institution broaden the base from which it draws students. As that base broadens, the student body will become more heterogeneous. Students will come to the university with a rich assortment of backgrounds, interests, dreams, and perceptions of it. The disadvantaged student from the Copper Country in the Upper Peninsula will be a totally different individual than the student from the inner city of Detroit, with few elements in common. If the University persists in forcing both of these students into an existing rigid mold of academic studies geared to a middle-class philosophy, it will stand an excellent chance of losing both. Hence, the University must change in order to accommodate an increased heterogeneity in its student population. But that change must be so structured



DOROTHY ARATA

and controlled that the University does not grow less — only grows differently. It is one thing to have a variety of expectations and standards to force students to stretch their intellects; it is another to have no expectations or standards.

I emphasize again, the change must be rooted into what the institution has been, is, and will become. MSU must bring change to its programs commensurate with its own unique capabilities and its role in the state. MSU will never bring change by cheapening the value of the educational experiences it offers all its students. A degree from MSU is now, and will remain, an official document signifying the achievement of a certain set of competencies. I am comfortable with this institution broadening its admissions standards, and I oppose with equal vigor any dilution of its graduation standards.

HOMOGENIZATION OF HIGHER EDUCATION

As MSU searches for and finds ways of becoming more heterogeneous, its sister institutions in the state are questing after the same fleece. The alarming fact is that certain sameness one begins to perceive from one institution to another. One is almost forced to the conclusion that each institution believes it can be all things to all people, and therefore each institution tends to imitate each other institution. We are only now coming to the realization that this is surely the road to fiscal and academic folly. The Commission on Admissions and Student Body Composition asked MSU to take the lead in developing a consortium of institutions in the state of Michigan to hone a spirit of cooperation where there is now rivalry and competition.

BARRIERS TO WOMEN

In many ways, the barriers to women in higher education are comparable to those thrown by society in front of minority groups. In my opinion, within the academic community, women qualify as a minority group.

I know there is an approximately equal distribution of men and women at the undergraduate level, but they are clustered in a limited number of programs — notably human ecology, nursing, social work, education and women's physical education. As one moves up the hierarchical ladder, women are increasingly poorly represented: 30 per cent of graduate students are women; 10 per cent of tenured faculty are women; and an infinitesimal percentage of administrative officials are women.

An affirmative action program has been proposed and accepted by the Board of Trustees. It is in the process of implementation. Time will tell us the extent to which it will prove successful.

MSU Positions Available

IMPORTANT: Administrative-Professional and Clerical-Technical applicants should contact the Employment Office at 353-4334 by January 23, 1973 and refer to the vacancy by the position number. Instructional staff applicants should contact departments noted.

FACULTY

Asst. Prof. of Music. Concert cellist with chamber music experience to perform in Beaumont String Quartet and teach cello. Qualified to teach music literature and appreciation. Major conservatory artist diploma or graduate degree. Effective Sept., 1973. Contact: James Niblock, Chmn., Dept. of Music

Instr. of Health, Physical Educ. & Recreation (M.A. with commitment to complete Ph.D.; coaching and competitive experience) Serve as laboratory instructor in measurement, mechanics, and applied anatomy; teach sports techniques courses and make mechanics application; coach women's varsity team in golf, tennis or softball; teach skill courses. Contact: Dr. Gale Mikles, Acting Dept. Chmn.

ADMINISTRATIVE-PROFESSIONAL

121. Asst. Placement Director III (B.A. in Personnel) Ability to screen and interview students for placement with particular emphasis on wage and salary administration and grievance procedures. Ability to advise and counsel students relative to placement problems. \$10,370 - 13,630

HEALTH PROFESSIONS

122. Staff Nurse "N" (Graduate of an accredited school of nursing and current registration with the Michigan Board of Nursing) One year of general hospital experience desirable. Ability to work flexible shift. Maintain good public relations. \$3.96/hour

123. Medical Technologist II "Q" (Completion of training at an approved school of Medical Technology, ASCP registered) B.A. degree, one or two years of experience in bacteriology. \$4.31/hour

124. Medical Technologist I "O" (B.A.) Completion of training in an approved school of Medical Technology, ASCP registered. \$4.04/hour

CLERICAL-TECHNICAL

125. Sr. Technician IX (M.S. preferred with strong background in biochemistry or chemistry. Previous research experience and familiarity with analytical instrumentation essential) Technician required for research in protein and carbohydrate biochemistry. Present work will involve operation of amino acid analyser and other automated analytical instrumentation and be able to keep clear accurate records. \$8,348-10,418

126. Laboratory Technologist "J" (B.A. in biology, biochemistry, food science or human nutrition. Previous laboratory experience desirable) Ability to adapt published analytical techniques (enzyme assays and metabolite measurements) to a laboratory situation with a minimum of supervision. \$3.61/hr.

127. Secretary, Senior "J" — Three years experience, typing 60 words per minute, and dictation at 80 words per minute. Ability to assume responsibility, supervise others, and coordinate clerical details of an office. \$3.60/hour

128. Senior Accounting Clerk "H" — To work in a medical department. Must be experienced in Medicare and Medicaid billings. \$3.23/hour

129. Secretary "H" — Typing minimum of 70 words per minute. Typing 80% of time on scientific manuscripts. \$3.16/hour

Departmental Secretary V (3 vacancies)
Senior Clerk IV (1 vacancy)
Clerk-Stenographer III (1 vacancy)
Licensed Practical Nurse (1 vacancy)

\$6,267-7,389

\$5,735-6,926

\$5,511-6,562

\$6,182-7,183

MICHIGAN STATE UNIVERSITY IS AN EQUAL OPPORTUNITY EMPLOYER

BULLETINS

CAREERS NIGHT

The Placement Bureau will hold its minority careers night from 7 to 10 p.m. Thursday, Jan. 25 in the Union Ballroom and Union Parlors A, B, and C.

PHI DELTA KAPPA

Phi Delta Kappa will hold its initiation and winter dinner at the Starboard Tack at 6:30 p.m., Friday, Jan. 19. Virginia Wiseman, executive secretary of the College of Education graduate office, will be honored. Tickets are \$6.50. For information, call 5-7346.

INTEREST GROUP

The Faculty Folk International Interest Group will meet at 1 p.m., Monday, Jan. 22 at the home of Mrs. Ralph Smuckler, 919 Wick Ct., East Lansing. Paul Montavon will speak on "Development Perspectives in Latin America."

MIDTERM GRADES

Assistant deans wishing to receive mid-term grades for any of their students should submit requests to the Office of the Registrar, 150 Administration Bldg., by Tuesday, Jan. 23. Each request must include an alphabetical listing of the students' names and student numbers. For information call 5-9596.

FASHION SHOW

Faculty Folk Newcomers will have an opportunity to preview spring fashions by Butterick at 8 p.m. Wednesday, Jan. 24 in Union 36C. Terry Conti, Butterick representative for the campus, will present beachwear, sportswear, evening apparel and many mix'n match ideas for the home seamstress. Transportation can be arranged by calling Carol Christenson at 339-2230.

BOARD MATERIAL

Material for consideration at the Feb. 16 meeting of the Board of Trustees should be submitted to the office of the executive vice president or the provost by Thursday, Jan. 25.

BAKE SALE

MSAU Day Care Center is sponsoring an international bake sale on Saturday, Jan. 20 from 10 a.m. to 3 p.m. at the Meridian Mall. The sale is being held to raise scholarship funds to allay the cost of day care for student families.

OBSERVATORY

The MSU Observatory will be open to the public from 8 to 10 p.m. Saturday, Jan. 20. Weather permitting, the 24-inch reflecting telescope will be used for observing celestial objects of current interest. Children under 13 are welcome if accompanied by at least one adult for each three children.

TAX VOLUNTEERS

Faculty and staff members with a working knowledge of income tax preparation, particularly those in business or related disciplines, are asked to work as telephone consultants for the Volunteer Bureau's income tax program. They would serve as reference persons from Jan. 22 to Apr. 22 when students encounter problems. Interested persons should call 3-4400.

SCHOLARSHIP LUNCHESES

Tickets for the Faculty Folk-Newcomers Scholarship Benefits to be held Wednesday, Feb. 14 and Friday, Feb. 16 are now available to members and guests for a wide variety of gourmet meals and parties following an international theme. For ticket reservations and information contact Mrs. Paul Nilsson, 372-1021; Mrs. Robert Blanks, 372-7350; or Mrs. Roy Wesselman, 349-9102. Proceeds provide scholarships for MSU coeds.

SEMINARS

THURSDAY, JANUARY 18, 1973

Computer systems with natural language inputs. Gilbert K. Krulee, Northwestern U., 7:30 p.m., 402 Computer Center. **Association for Computing Machinery.**

Soft sphere model for ionic deformations or the atom she's a fuzzy balla. Edward H. Carlson, 4:10 p.m., 120 Physics-Astronomy. **Physics.**

FRIDAY, JANUARY 19, 1973

Acrosomal enzymes of sperm in fertilization. Richard Stambaugh, Division of Reproductive Biology, Dept. of Obstetrics and Gynecology, U. of Pennsylvania Medical School, Philadelphia, 3:30 p.m., 146 Giltner. **Endocrine Research Unit.**

Individualized instruction in the university—how and why. Ben A. Green Jr., Education Research Center, Massachusetts Institute of Technology, 2 p.m., 109 Anthony. **Instructional Development Services.**

MONDAY, JANUARY 22, 1973

The lead isotopes: a testing ground for nuclear models. Wm. A. Lanford, 4:10 p.m., Cyclotron Lab Seminar Room. **Cyclotron.**

Science, medicine and society: Is your oath really necessary? June Goodfield, 11:30 a.m., 138 Akers. **Human Medicine, Philosophy, Honors College.**

The role of supplementary foods in the nutrition of U.S. infants. George A. Purvis, Gerber Products, 4 p.m., 131 Anthony. **Institute of Nutrition.**

TRH stimulation of prolactin synthesis and release in the rat anterior pituitary. James A. Dibbet, 4 p.m., 216 Giltner. **Physiology.**

TUESDAY, JANUARY 23, 1973

Recycling of packaging materials and the chemical engineer. Wayne Clifford, 4 p.m., 284 Engineering. **Chemical Engineering.**

Plant population and growth regulators in pickle production. Sharad Phatak, Simco Horticultural Experiment Station, Simco, Ontario, Canada, 4 p.m., 209 Horticulture. **Horticulture**

Modeling of vehicle vibrations. A.A. Butkunas, principal staff engineer, Ford Motor Co., 4:10 p.m., 312 Engineering. **Metallurgy, Mechanics and Materials Science.**

Phylogeny of IgG and cellular immunity. M.M. Sigel, Dept. of Microbiology, U. of Miami, 4:10 p.m., 146 Giltner. **Microbiology and Public Health.**

Public health in a developing country. Joseph N. Togba, chairman and professor of public health and preventive medicine, U. of Liberia Medical College, 3 p.m., 137 E. Fee. **Osteopathic Medicine, Urban Development, Center for African Studies.**

Studies in medical decision making. Lee S. Shulman, 4 p.m., 449B Life Sciences. **Pharmacology.**

Some random processes in storage theory. Peter Brockwell, 4:10 p.m., 405A Wells. **Statistics and Probability.**

WEDNESDAY, JANUARY 24, 1972

Effects of certain adverse environments on potato. W.J. Hooker, 4:10 p.m., 168 Plant Biology. **Botany and Plant Pathology.**

Authority in education. Kenneth D. Benne, Center for Applied Social Science, Boston U., 2 p.m., 507 Erickson. **College of Education.**

Sperm acrosomal enzymes and their inhibitors. L.J. Zaneveld, Dept. of Obstetrics and Gynecology, U. of Chicago, 3:30 p.m., 335 Giltner. **Endocrine Research Unit.**

The effect of near ultra-violet radiation on the morphology of Nylon 66. Barbara Stowe, 3 p.m., 300 Human Ecology. **Department of Human Environment and Design.**

Science, medicine and society: Notions of morality in medicine. June Goodfield, 11:30 a.m., 138 Akers. **Human Medicine, Philosophy, Honors College.**

Factors influencing food intake and caloric balance in the bird. Don Polin, 4 p.m., 131 Anthony. **Institute of Nutrition.**

New spectrophotometric techniques applicable to photosynthesis research. Geoffrey Hind, Brookhaven National Laboratory, 4:10 p.m., 101 Biochemistry. **Plant Research Laboratory.**

THURSDAY, JANUARY 25, 1973

Measurement of degrees of agricultural protection and their relevance for trade negotiations. Timothy Josling, London School of Economics, 3:30 p.m., 312 Agriculture. **Agricultural Economics.**

Genetic approach to the study of the regulation of gene expression in bacteriophage-infected cells: RNA-polymerase factors and special sequences on DNA. Loren R. Snyder, 4:10 p.m., 101 Biochemistry. **Biochemistry.**

Ecology and environmental chemicals. James M. Tiedje, 4 p.m., 309 Agriculture. **Crop and Soil Sciences.**

The role of small animal research in animal breeding. A.B. Chapman, U. of Wisconsin, 12:30 p.m., 126 Anthony. **Dairy Science.**

Genetic aspects of population regulation. Michael H. Smith, Institute of Ecology, Savannah River Ecology Lab, Aiken, S. Carolina, 1:30 p.m., 223 Natural Resources. **Fisheries and Wildlife.**

Microbial tidbits. K. Stevenson, 12:30 p.m., 206 Food Science. **Food Science and Human Nutrition.**

Education and liberation movements. Kenneth D. Benne, Center for Applied Social Science, Boston U., 10 a.m., 507 Erickson. **College of Education.**

Schools of education and the humanization of schooling. Kenneth D. Benne, Center for Applied Social Science, Boston U., 2 p.m., Con Con Room, Center for International Programs. **College of Education.**

Proton-proton collisions up to 300 GeV: A USSR-USA collaboration. Vladimir Nitikin, USSR high-energy physicist, 4:10 p.m., 120 Physics-Astronomy. **Physics.**

FRIDAY, JANUARY 26, 1973

Electrophysiology and morphology of normal and axotomized insect central neurones. Charles D. Tweedle, 3 p.m., 145 Natural Science. **Zoology.**

FRIDAY, JANUARY 19, 1973

- 7:30 p.m. Hockey—MSU vs. Air Force Academy. Ice Arena.
7:30 p.m. Gymnastics—MSU vs. Southern Illinois U. Jenison Fieldhouse.
8 p.m. "Little Green Men"—The theory of extraterrestrial intelligent life in the universe is the topic of this program in the sky theatre. "Little Green Men" recounts billions of stars which many scientists believe may contain solar systems similar to our own and raises possibilities of communication with life on other planets. Following the 8 p.m. shows, there will be a special presentation on the current sky with an outdoor observing session if weather permits. Abrams Planetarium.
8 p.m. Mariah—James Cotton Blue Band and George Ulrich, folk and blues guitarist. McDonel Kiva.
10 p.m. "Little Green Men" (see above). Abrams Planetarium.
10:30 p.m. Mariah (see above). McDonel Kiva.

SATURDAY, JANUARY 20, 1973

- 2 p.m. Swimming—MSU vs. Michigan. Men's IM Pool.
2:30 p.m. "Little Green Men" (see Jan. 19). Abrams Planetarium.
7:30 p.m. Hockey—MSU vs. Air Force Academy. Ice Arena.
8 p.m. "Little Green Men" will be followed by a skywatching session (see Jan. 19). Abrams Planetarium.
8 p.m. Mariah (see Jan. 19). McDonel Kiva.
8 p.m. World Travel Series—The changing of the palace guard at Stockholm, Smorgasbord at the Operakallaren, the Milles Garden, the midsummer celebrations at Mariefred—these are but a few of the sights on Dick Reddy's tour of "A Swedish Summer." Tickets for the film and lecture presentation are available at the Union Ticket Office. Auditorium.
10 p.m. "Little Green Men" (see Jan. 19). Abrams Planetarium.
10:30 p.m. Mariah (see Jan. 19). McDonel Kiva.

SUNDAY, JANUARY 21, 1973

- 4 p.m. Graduate recital—Marilyn Hastings McDonald, soprano. Music Auditorium.
4 p.m. "Little Green Men" (see Jan. 19). Abrams Planetarium.
8:15 p.m. Recital—The Beaumont String Quartet with Ralph Votapek, pianist, will perform Cesar Franck's famous "Quintet in F Minor." Music Auditorium.

MONDAY, JANUARY 22, 1973

- 8 p.m. Basketball—MSU vs. Indiana. Jenison Fieldhouse.
8 p.m. "The Owl Killer"—The trials a black factory worker meets on his job are reflected in his family life in this play written by Phillip Hayes Dean and performed by the Black Arts Company. Studio 49, Auditorium.

- 8:15 p.m. International Orchestra Series—Under the baton of Daniel Barenboim, the Chicago Symphony Orchestra will return for its annual visit to the MSU campus with a sold-out subscription series in New York City's Carnegie Hall and a portfolio of rave reviews from a triumphant European tour. Tickets are available at the Union Ticket Office. Auditorium.

TUESDAY, JANUARY 23, 1973

- 12 p.m. University Club luncheon—Dolores Wharton will discuss the work of Claes Oldenburg, renowned sculptor, and exhibit some of his originals on loan from the Museum of Modern Art in New York City. The Lansing Fine Arts Council, of which Mrs. Wharton is a member, is currently conducting a fund drive to acquire an Oldenburg sculpture for downtown Lansing.
8 p.m. "The Owl Killer" (see Jan. 22). Studio 49, Auditorium.
8 p.m. International folkdancing—Instruction is followed by dancing at 9 p.m. 327 M.A.C.
8:15 p.m. Vienna Choir Boys—This world-acclaimed chorus will perform with a repertoire that includes Haydn, Mozart, Beethoven, Liszt and Bruckner. Founded more than 450 years ago, the group included both Haydn and Schubert among its ranks. Tickets may be purchased at the Union Ticket Office. Auditorium.

WEDNESDAY, JANUARY 24, 1973

- 8 p.m. "The Owl Killer" (see Jan. 22). Studio 49, Auditorium.

THURSDAY, JANUARY 25, 1973

- 8 p.m. "The Owl Killer" (see Jan. 22). Studio 49, Auditorium.

FRIDAY, JANUARY 26, 1973

- 8 p.m. Pop Entertainment—Trumpet artist Miles Davis, known for his free-form style and recent albums "Bitches Brew" and "On the Corner," will perform. Tickets are available at the Union Ticket Office. Auditorium.
8 p.m. "The Owl Killer" (see Jan. 22). Studio 49, Auditorium.
8 p.m. "Little Green Men" will be followed by a skywatching session (see Jan. 19). Abrams Planetarium.
10 p.m. "Little Green Men" (see Jan. 19). Abrams Planetarium.

SATURDAY, JANUARY 27, 1973

- 1:30 p.m. Gymnastics—MSU vs. Indiana. Jenison Fieldhouse.
2 p.m. Swimming—MSU vs. Texas. Men's IM Pool.
2:30 p.m. "Little Green Men" (see Jan. 19). Abrams Planetarium.
8 p.m. "The Owl Killer" (see Jan. 22). Studio 49, Auditorium.
8 p.m. "Little Green Men" will be followed by a skywatching session (see Jan. 19). Abrams Planetarium.

CONFERENCES

- Jan. 20-21 Gideon Leadership Conference
Jan. 22 School Board and Administrators Conference
Jan. 22 E.L. IIA Ins. 22 Insurance Institute
Jan. 23-24 Postgraduate Conference for Veterinarians

All conferences will be held in Kellogg Center unless otherwise noted. Students and faculty members are welcome to attend these continuing education programs. Those who are interested should make arrangements in advance with the Office of University Conferences, 5-4590.

EXHIBITIONS

Library

The January exhibit, "The Art of Printing," shows examples of the work of outstanding printers from the earliest to modern private presses.

Kresge Art Center

North Gallery: 20th century prints showing a wide variety of styles and techniques, on loan from the collection of Western Michigan University. Artists include Appel, Albers, Jasper Johns, Ellsworth Kelly, Claes Oldenberg, Dine, and Lichtenstein. Open 9 a.m. to 5 p.m. weekdays; 7 to 9 p.m. Tuesdays; 1 to 4 p.m. Saturdays and Sundays.

Entrance Gallery: Photographs by Roger Funk, professor of photography in the Department of Arts and Letters and Assistant Dean in the College of Arts and Letters.

Museum

"Artisans Old World and New"—Ten intricately built dioramas featuring early American crafts now introduce the new hall on second floor west. This former Hall of Military History in process of being redesigned.

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.