Major change in retirement announced; TIAA-CREF to be open to all employes

A major change has been announced in the University's retirement program which will increase retirement benefits for some 6,000 MSU employes and retirees.

The new plan will replace personnel now in the University Noncontributory Retirement Plan (UNCPRP) under coverage provided by the TIAA-CREF Retirement Program. The change will ultimately affect all labor and clerical - technical employes, plus some administrative - professional and cooperative extension employes and faculty.

The program was ratified Sunday by the membership of Local 1585 of the American Federation of State, County and Municipal Employees (AFSCME). Information detailing effects of the change will be provided to faculty and staff well before the change takes effect on Jan. 1, 1973.

The noncontributory retirement plan was begun in 1927 and today provides a maximum of $3,300 annually for retirees. It is one of only three remaining noncontributory plans in the country for university employes.

In recent years the noncontributory plan has been cited for several deficiencies which the new TIAA-CREF program will substantially correct. Among the current deficiencies are:

- Low retirement benefits, unknown costs, delayed access to benefits, no death benefits prior to age 60 and no annual accounting of accrued benefits. In addition, anyone in the present program who leaves the University also leaves behind his retirement benefits.
- MSU converted to the TIAA-CREF program in 1958 for faculty and A-P employes. TIAA (Teachers Insurance and Annuity Association) is a fixed-dollar retirement annuity and CREF (College Retirement Equities Fund) provides benefits based on common stock investments. TIAA-CREF offers several advantages, such as: Employes can begin to draw retirement pension at any age, and all accumulation in an employe's annuity from both the individual's and MSU contributions - would be available to him or her survivors in case of death at any age.
- Options to provide for survivors are not chosen until an employe retires.
- CREF participation means a chance to keep up with inflation.
- Employes can "tax-defer" their contributions and receive an annual statement listing accumulations, death benefits and retirement projections.
- A participant has the chance to transfer participation if he or she leaves MSU, since some 2,400 public and private institutions are affiliated with TIAA-CREF, or may contribute on his own to his individual TIAA-CREF annuity.

IN BRIEF, THE retirement benefit change will mean:

* All employes - not just faculty and A-P's who are now the only ones eligible for TIAA-CREF - will participate in the plan. The Noncontributory Plan will be discontinued as of Jan. 1, 1973.
* All employes now in the noncontributory plan will receive greater retirement benefits from the new program and will lose no benefits as a result of the transition. For retirees on the noncontributory plan, the new pension ceiling will go to $3,600, and all retirees will receive a pension increase on or about Jan. 1, 1973.
* In accordance with the participation guidelines, the University under the new program will contribute 6 per cent and the employe 3 per cent (Continued on page 6)
General education: A continual concern

The current deliberation on the place of general education at MSU is timely, but it isn't new. It is only another chapter in a long - drawn out debate which has continued intermittently for at least 125 years, or since before this institution was established in 1855.

Thoughtful men in those days were levelling the same charge against higher education that is heard so often today — that it was not relevant to the needs of society. The universities they urged, were teaching only what was considered necessary to qualify a young man for "the higher walks of life." They contended that much of the liberal literature was just so much trash for Michigan, since 19 out of every 20 were engaged in some form of agriculture.

Madison Kulas, professor of history, pointed out in his history of MSU that these leaders were no more academically sound. Their goal was a new kind of college offering "an enlightened liberal education," that would teach agriculture, all of the natural sciences, and mathematics, bookkeeping, engineering, architecture and landscape gardening.

They sought, in short, to infuse the traditional classical education with subject matter that promised direct benefit to the farmer — and the miller and the manufacturer, and members of their households.

But they were not blind to the value of liberal studies. One of their most articulate spokesmen, Bela Hubbard, cautioned: "Nor should the claims of literature and the fine arts be wholly neglected, as tending to polish the mind and refine the taste, and add greater lustre and dignity to life."

They pledged for the same humane values upheld by President Worrall today; one of the early Michigan educational philosophers reminded that a man is a man before he is a farmer; his needs should be met in that order.

But NOW THE FOCUS of debate has shifted about 180 degrees: The founding fathers were arguing for more of the practical; the modern college for less of the practical, and much more of the liberal.

Given agreement that university education should provide both — and such agreement is still by no means universal — the central question remains the same: What is the liberal education to be administered?

Early statements seemed more sure of themselves than are those of today. Early legislative acts specified the course of instruction to be offered in the new college a century ago for example, the Act of 1855 stated: "The course of instruction shall embrace the English language and literature, mathematics, civil engineering, agricultural chemistry, animal and vegetable anatomy and physiology, the veterinary art, entomology, geology . . . political rural and household economy, agriculture, moral philosophy, history . . ."

This revolutionary educational compound, first formulated in Michigan, was adopted by reference as a national policy in the Morrill Act of 1862.

As MICHIGAN STATE achieved more autonomy, its subject matter was left increasingly to the faculty and the governing board. Their tendency to concentrate more and more on technical and scientific courses was not among others. . . .

But it had a short life. Almost immediately, the Act of 1889 established the Morrill Act of 1862.

The division's faculty voted to give its underclassmen an opportunity to complete eight comprehensive courses in English, social science, logic - philosophy - psychology of civilization, literature and fine arts, natural science, mathematics, and foreign language. In addition, they would be able to choose electives among such courses and speech, music, religion, and studio art.

This was the university's first step toward increased general education, initiated by the famous Harvard Report and the University of Florida, among others.

It has an immediate goal. Almost immediately, the general faculty authorized the creation of a special committee to study and make recommendations on a proposal to require two years of general education for all students.

**FACULTY MEMBERS PAID MORE.** A report on faculty compensation at Central Michigan University has confirmed that "the average male faculty member is slightly better paid than the average female faculty member." Professors Charles Pang told the CMI administrators that while 1944, a difference of less than 1 percent difference between the assistant and associate professor ranks, male professors average 6.2 percent more per year plus benefits. In the same year, female professors noted that "academic preparation may explain at least part of the difference," since 97.2 percent of men professors have doctorates, compared with 76.9 percent of women professors.

**A FOUR-DAY WEEK.** The business office at the University of Minnesota has begun an experimental four-day work week. Employees who choose to work four days a week will have their lunch and 15-minute coffee breaks. Days off are rotated to allow each employee to have a chance for a three-day weekend. Most employees who decided to try the four-day week say they like it.

**TUITION UP AT NORTHEASTERN.** Northwestern University will raise its tuition $3,000 this fall by 10 percent, or 1 percent more than the assistant and associate professor ranks, male professors average 6.2 percent more per year plus benefits. In the same year, female professors noted that "academic preparation may explain at least part of the difference," since 97.2 percent of men professors have doctorates, compared with 76.9 percent of women professors.

A heavy schedule faces the Academic Council for its next regularly scheduled meeting, Tuesday, March 13, from 3:15 p.m. in the Con Cor Room of the International Center.

The Academic Council Tuesday approved modification of general education requirements and will consider next Tuesday an implementation schedule.

General education requirements, as approved by the Council but not yet effective, include:

- The requirement no longer need to be met solely within University College.
- Forty-five credits will be required in general education, reasonably divided into areas of arts and humanities, biological, physical or mathematical science, social and behavioral sciences, and communication. Colleges still may substitute in the area closest to a student's major. Students may waive any general education requirement upon demonstration of competance. And the University Curriculum Committee (UCC) in consultation with the appropriate departmental bodies, will make the final decision for undergraduate education will develop criteria and acceptibility for general education credit, subject to Council approval.

- The University is authorized to develop more freshman-sophomore and upper-level general education courses.

- All colleges are encouraged to accommodate students who wish to use any part of the general education program, for university credit at the time of graduation.

The University Committee on Academic Governance will report on the status of the College of Urban Development proposal. EPC has been supporting the proposal, soliciting faculty input, and was due to have prepared a draft response to the proposal this week. EPC has been acting on this issue in its advisory capacity to the provost.

The Steering Committee of the Faculty will propose a policy on future resolutions of reprimand, in response to the concern expressed by some Council members over the way in which the Financial Affairs Committee, was censured by the Council in November. (Trustee Clair White was also censured at that meeting.) The proposal states that motions of reprimand and censure moved in one session of the Council may not be acted upon until the next session.

The steering committee will also present a policy regarding the use of tape recordings of Council meetings.

The University Committee on Academic Governance will propose a by-law amendment to entourage instructors: Clyde Best, student member of the steering committee, will present a resolution from the Michigan Youth Politics Institute which seeks Council endorsement of student participation in the political process and urges faculty to encourage student involvement in campaigns and programs.

The elected Faculty Council, scheduled to meet Monday, March 13, at 3:15 p.m., in the Con Cor Room will hear three reports and continue debate on the proposed interim faculty grievance procedure. The reports are from Herbert Jackson, professor of political science, and chairman of the ad hoc committee which prepared a report on collective bargaining, a report from the Michigan Employment Relations Board on the Michigan State University faculty contract, and a report from the Michigan University Association, which outlined a proposal for a unionization election here; and a report from an ad hoc committee to study possible affiliation with other institutions of Michigan College Faculties.
**The Board recap**

**Trustees postpone action on proposals . . .**

(Concluded from page 1)

These provided procedures to be used in the tenure appointment of a tenured faculty, including the requirement that: “Each basic academic unit shall base its judgments on criteria and procedures that are clearly formulated, objective and relevant. These criteria and procedures shall be known to all members of the unit . . . Review procedures shall be described in its bylaws, and plans to be made by which the faculty member is evaluated and informed annually of his progress.”

They stated that their reasons in writing for nonreappointment if requested in writing by the faculty member are:

- Appeal of a decision not to reappoint, according to the document of assembled Board actions, called for an attempt at reconciliation at the basic administrative unit and college levels, and then written petition to the tenure committee for review.

The review would include a hearing, with which all parties could call, examine and cross examine witnesses, submit evidence, and summarize orally their claims and contentions.

Findings of the hearing committee (a subgroup of the tenure committee) would be submitted to the full tenure committee. If, two-thirds of the tenure committee supported the contention that nonreappointment was unjustified, the judgment would be binding upon the provost, who would forward the decision to the president. The president would forward any findings to the trustees, who would have final jurisdiction.

**TRUSTEE PATRICIA CARRIGAN**

objected to the two-thirds vote required in the tenure committee, because, she said, that body is made up almost entirely of tenured faculty. To be most fair to the non-tenured faculty member, she said, the required vote should be a simple majority.

She moved support of the administrator’s recommendation (which reaffirmed the actions) was also defeated. (Hartman, Merriman and Thompson voted in favor; Carrigan, Huff, Martin, Stevens and White opposed.)

White offered a resolution to extend the contract of Eileen Van Tassel, assistant professor of natural science, for one year because, according to the provost, she has been unable to obtain reconsideration of her appointment under a procedure that meets the requirement of due process. Such a procedure, White’s resolution stated, is not yet available.

White offered the resolution because he did not consider the reasons given for Miss Van Tassel’s nonreappointment to be substantive.

Carrigan said the interim procedures were provided for “adequacy for reasons of policy. A review of the adequacy of procedures used in a decision not to reappoint, as well as review of substantive questions, are both available in the interim procedures,” he said.

Substantive questions include review of the “professional judgment exercised in the decision not to reappoint.” But, the procedures state, procedural questions require only a simple majority vote from the tenure committee, while substantive questions require a two-thirds majority vote, “to adhere to the concept of professional judgments resting primarily with the department involved.”

White’s resolution was amended to make it a class, rather than individual, action. Carrigan, Huff, Martin, Stevens and White opposed.

President Wharton pointed out that approval of the resolution would essentially invalidate those procedures. This would leave the University with no grievance procedures until the document prepared by the Ad Hoc Committee on Faculty Rights and Responsibilities and Grievance Procedures is approved. There would also be serious financial implications, he said.

Nevertheless, White’s resolution as amended was approved, with Carrigan, Huff, Martin, Stevens and White voting in favor, and Hartman, Merriman and Thompson opposed.

Wharton then stated that the trustees had wiped out the procedures they had previously approved.

White disagreed, saying that the resolution was an “exception” to the procedures. The resolution in fact stated that the procedures were “not available,” or, in other words, nonexistent.

Mrs. Carrigan articulated the trustees’ quandary by asking how they could reaffirm procedures they found invalid and in the process, the meeting had defeated most other options open to them, including tabling.

So Stevens moved that all actions be reconsidered at the March Board meeting, when the administration would prepare a procedure emphasizing the concerns expressed Friday. That motion was approved with Huff and White dissenting.

But the Board did approve unanimously a motion by Mrs. Carrigan after a request from completion of the ad hoc Committee’s proposed grievance procedures for presentation to the Board at its next meeting. The motion cannot be met, the motion stated, “The Board may need to consider other means of bringing this matter to a prompt conclusion.”

**BEVERLY TWITCHELL**

**New vice president dean are among appointees**

A new vice president, a dean and two department chairmen were among appointees approved last Friday by the Board of Trustees.

In all, the trustees gave approval to 23 appointments to the faculty, including 48 men and 20 women. Also OK’d were two academic promotions, 17 leaves, 21 resignations and terminations, and eight retirements.

The appointees include:

- Robert F. Banks as the second dean of James Madison College.

Banks, who served as acting dean of the college since last July, has been also an associate professor of Madison College since its inception in 1967. He will serve in its associate dean since July 1969.

- Robert C. Ward, an osteopathic physician from Mt. Clemens, as professor and chairman of the newly established Department of Family Medicine in the College of Osteopathic Medicine.

Ward has conducted a practice in family medicine in the Mt. Clemens area since 1965. He has been an assistant professor and family medicine preceptor on the clinical faculty since osteopathic medicine became part of MSU.

- Erwin P. Bettinghaus as chairman of the Department of Communication, effective April 1. He succeeds Jack M. Bain, professor of communication, who was acting chairman.

**Resolution raps action by three black faculty**

The Board of Trustees does not endorse the actions of three black faculty members who have publicly accused the Big Ten of racism, according to a resolution approved by the Board at its last meeting.

The resolution, approved by Trustee Ken Thompson, gave reasons for not supporting the actions of Robert Green, director of the Center for Urban Affairs; Joseph McMillan, director of Equal Opportunity Programs; and Thomas Stevens, administrative assistant to those who would use the University’s vocal policy.”

During that time, Scott helped review the organization and structure of the University’s private sector fund—raising efforts. He headed an ad hoc committee that recommended creation of an office of development. It also suggested eventual establishment of an MSU foundation to receive funds for the benefit of the University.

**Channel 23 work OK’d**

The University’s new UHF channel 23 moved closer to operation with a Board approval of a $651,000 budget for transmitting facilities and of the purchase of an RCA transmitter.

A Department of Health, Education and Welfare grant to Psychiatry at the College of Osteopathic Medicine, as well as the College of Human Medicine.

The Board last September will provide $420,000 of the $651,000. The funds will go to the company to install Manly Mills Building to house the Educational Institute of the American Motel and Hotel Association.


Approved a new campus pet ordinance.

- *Approved a new health Care Authority to organize and administer health care services, including the program at Olin Health Center and other on-campus health care services that may be developed.*

- *Approved affiliation of the Detroit Medical College with the College of Osteopathic Medicine, as well as the College of Human Medicine.*

- *Approved a new channel 23 transmitter—from RCA and General Electric at $434,700 and $434,045 respectively. The WMSB-TV engineering staff reviewed the bids and reported that the GE equipment would cost $3,000 more to install than the RCA unit because of space where it was to be located. The annual operating cost of the GE transmitter would be at least $2,500 greater than that of the RCA.*

Actual purchase price of the RCA unit will be $349,000 because the Engineers further recommended purchasing the micro - wave equipment and the testing and monitoring facilities separately.

Target date for channel 23 (WKRJ-TV) operation, Page said, is September.
Women present their case: Discrimination in education, employment and employment practices that have perpetuated discrimination against all women -- urban, suburban and rural -- and propose solutions to alleviate discriminative conditions. Such a curriculum effort could be generated and condensed through the efforts of academic units with a planned School of Law, the colleges of medicine and the proposé College of Urban Development as well as other units.

JEANNE FRY, graduate student, speaking for the Associated Women Students: There exists on campus no woman, no office, no committee that has begun to realize or, more importantly, has dealt with the problems of women students at MSU. Women students are continually facing discrimination both overtly and covertly and no avenue is enclosed in the University structure to deal with these problems. An office of Women’s Advocate needs to be established immediately.

CAROLYN YOS, graduate student, speaking for the Associated Women Students: There are a number of inequities in women’s athletics which can be identified from deficiencies demonstrated by the present structure of the athletic program. Students have had to pay for their participation in Women’s Intercollegiate Athletics. There is not adequate funding for travel expenses.

There is no adequate funding for travel expenses. (There is a) lack of adequate facilities of women’s intercollegiate athletic events. The time spent coaching by women faculty in the physical education department is not appropriately reflected by their salary.

MARGARET BUBOLZ, professor and chairman of family and child sciences: Concepts and patterns of marriage, family structure, work roles, sex roles, socialization of children, and life styles are changing. Under these circumstances, both the social roles and the self-concepts for women as well as men must be altered. It is against this backdrop of change that the position and status of women in the University must be examined. (Statistics indicate) that between 45 and 50 percent of all women of working age are in the labor force; about 40 percent of the total labor force is women. Between 5 and 6 million working women have children under six. Over half of all women who are heads of families are in the labor force. However, in spite of the need for society for women to work outside the home, and for women to work, most of those who do are also expected to carry family responsibilities, manage the home and bear major responsibility for child rearing.

The latest data that I have (for the College of Human Ecology) indicate that in all categories of faculty ranks, both 10 and 12-month appointments, the college average and median salaries are below those for the University as a whole. The differences are the greatest at the upper ranks. I would hypothesize that the lesser value attached to women’s work in general, and in particular to the College of Human Ecology where the fields of work are those traditionally associated with women, and which have not had a high economic value attached to them, is a significant factor in the relative status and position of this college, consciously or unconsciously.

VERNIA HILDEBRAND, associate professor of family and child sciences and of family ecology: Women, like blacks, have always feared the power structure. In my community, the women have been conditioned to know their place, to sit with smiles, and to ask no disturbing questions. Vestiges of feudalism and plantation life, which restrict the rights of women, and especially minority women on this campus, must be ended. Give us an independent ombudswoman who can bring the dirty lines out of the campus closets.

ELEANOR MORRISON, instructor of family and child sciences: As presently enacted, the tenure system denies staff benefits such as retirement, automatic raises and hospitalization to any who are not full-time employees. It is almost impossible for a black faculty member to achieve a rank and have the benefits denied to any who are not full-time employees. It is also rarely possible to achieve a rank beyond that of instructor if a faculty member is not in the tenure stream. And it is not possible to be in the tenure stream unless one is working full-time.

L. EUDORA PETTIGREW, associate professor in the Center for Urban Affairs and in education, and member of the State of Michigan Women’s Commission: Historically, university curriculums and research have not encouraged inquiry into the discrimination in education, employment and civil and political rights of women. Therefore, curriculum changes and/or development should focus on the acquisition of data about legislative and employment practices that have perpetuated discrimination against all women -- urban, suburban and rural -- and propose solutions to alleviate discriminative conditions. Such a curriculum effort could be generated and condensed through the efforts of academic units with a planned School of Law, the colleges of medicine and the proposed College of Urban Development as well as other units.
The Department of Romance Languages and Literature is offering this spring for the first time a course on the "Contemporary French Film," (Romance Languages 699). Nine films by "some of the most important current French directors" - Francois Truffaut, Alain Resnais, and Jean-Luc Godard - will be the subject of the course, taught by Joseph Donohoe, associate professor of romance languages.

The first three weeks will deal with three Truffaut films, "Les Quatre cents coups" (The Four Hundred Blows), "Ne trez pas sur le pianiste" (Shoot the Piano Player), and "Jules et Jim." The second three weeks will concern three films by Resnais; "Hiroshima mon amour," "Last Year at Marienbad," and "La Guerre est finie!" (The War is Over). The last three weeks will deal with Godard's "A Bout de souffle" (Breathless), "Vive sa vie" (My Life to Live), and "Masculin - Feminin." Each film is in French with English subtitles. As a result, the course is open to all students of the University regardless of French language background. Each film will be shown twice a week, on Tuesday and Thursday; night, and will be the subject of a lively discussion session.

"THIS IS AN OPPORTUNITY for students to take film seriously," says Donohoe. "We are not trying to develop a historical perspective but to discuss films in a dignified way as you do a novel or a poem. We hope that these films will be an artistic expression.

"Ideas of a cinema or cinema is not a new one here. Five years ago Donohoe taught a course on Ingmar Bergman but was unable to generate sufficient interest. Since that time, however, he notes that numerous film groups have formed on campus and he sees this as signaling a new interest among students in film and filmmaking.

"CURRENTLY, THERE ARE 40 students pre - enrolled in the class. Donohoe says he will be satisfied with 80, but that "the sky's the limit" in terms of enrollment. Since each film costs over $100, more students enrolled, the more financially secure the course will be.

"If the course is financially successful, Donohoe says it could become a regularly scheduled class dealing with Italian and Spanish, as well as French, films.

Elise Edwards: Serving MSU and the state for 27 years

In Dugger, Ind., MSU is known best as "Elise's school."

And whenever Elise Edwards goes home (about 39 miles southeast of Terre Haute), there's always a welcome from townswomen, especially the ex - students she taught for about 20 years before she became interested in speech correction and hearing therapy.

Since 1945 her life has been centered around her audiology and speech sciences colleagues and students. When she came to the MSU Department of Speech that year, there were about 12 majors in speech correction.

Hearing therapy deals with the concentration that it does now in modern clinical, public school speech and hearing therapy was in its infancy. Today, she notes, audiology and speech sciences (especially speech correction and hearing therapy), is a full - fledged department of the College of Communication Arts; the department's modern new clinic is open on Wilson Road; and several new staff members have been added to strengthen the clinical program.

In July, Miss Edwards will start a one - year consultancy before retiring in 1973.

Miss Edwards has given herself to MSU, largely through many years of traveling to continue education centers across the state to teach speech correction for public school teachers and to supervise students in the schools. And many times she had to be back on campus for an eight o'clock class next morning - regardless of weather and physical drawbacks.

SHE BEGAN TEACHING in a rural one - room school in Indiana when she was only 17. Her students in the upper grades were with a terminal illness. Although she had no teaching experience but Miss Edwards recalls that she managed to "keep the uppershed."

In 1945 at Indiana State Teachers College (now Indiana State University), she took a leave of absence from MSU to finish the B.S. degree at Wayne University in 1956.

Miss Edwards' dedication to the profession recently resulted in statewide and national recognition. In October she was awarded high honor by the Michigan Speech and Hearing Association and in November she received recognition as a fellow in the American Speech and Hearing Association during its annual meeting in Chicago. She has served both organizational and advisory office and as committee member.

Basketball games reset

Changes in the starting times of the final two varsity basketball games of the season were announced this week by Acting Athletic Director Burt Smith.

Home games this Saturday (March 4) with Michigan and following Saturday (March 13) with Northwestern both will be played at 2 p.m. rather than the usual starting time of 8 p.m.

"These changes were made with the concurrence of the other schools involved," Smith said.
Longevity dictates retirement difference

Longer female life expectancy - a "statistically inescapable" fact - dictates that if women in a group retirement plan wish to get as much annual annuity as men when they retire, they'll somehow have to put more into the plan while they are working. That was the report last week to the Board of Trustees by Thomas C. Edwards, president of TIAA-CREF. His organization provides the retirement program for some 2,700 University faculty and staff, and it came under some fire at the January Board meeting when Trustee Pat Carrigan pointed out that women - by virtue of life expectancy - draw lower annual retirement incomes than men. Edwards said that situation can be remedied, but it would mean increased contributions by the University or the individual, or by both.

The trustees have asked MSU officials to study the TIAA-CREF programs here to see if any remedies are needed or possible.

MSU EMPLOYEES now under TIAA-CREF pay 5 per cent of their wages toward retirement, and the University contributes 10 per cent. This means that a man and a woman who have the same number of years of service, identical incomes during their working careers and who are under identical plans would arrive at retirement with the same amount in annuity accumulation. But since the woman is expected to live longer, her annuity payments will be less than the man's.

Retirement change . . .

(Concluded from page 1) of the employee's own earnings. The contribution rates will be increased to 8 per cent (University) and 4 per cent (individual) on July 1, 1975, and to 10 per cent -5 per cent on July 1, 1977.

Participation in the new TIAA-CREF plan will be offered to full-time employees with at least three years of service. It will be required as a condition of employment for those who have attained age 35 and have three or more years of service on Jan. 1, 1973. Initial participation may be delayed until July 1, 1973.

Additional information concerning the new retirement program will be carried in subsequent issues of the News Bulletin and in publications by the Staff Benefits Division. Employees have been asked to hold any individual questions until more complete information can be distributed.

Man-made membranes?

Man-assembled biological membranes may eventually be efficient enough for use in experiments. MSU Microbiologist Jay S. Huebner makes a biological membrane from an extract of plant chlorophyll. Such membranes may someday produce products of photosynthesis.

Around the campus: A weekly review

Stravinsky concert Sunday

Igor Stravinsky's "A Soldier's Tale (Histoire Du Soldat)" will be presented by the music and theater departments in a memorial concert to the 20th century composer who died last April at the age of 89.

Performances will be at 2 p.m. and 8:15 p.m. Sunday (March 5) in the Fairchild Theatre.

The work, which is to be "read, played and danced" according to Stravinsky's instructions, is based on a collection of Russian fairy tales. An ensemble of seven instruments acts both as a chamber orchestra and as solo instruments throughout the story as it is narrated by the Reader, and acted and danced by the Princess, the Soldier and the Devil.

Appearing as the ensemble will be music faculty members Walter Verdehr, viola; Virginia Bodman, bass; Ela Lodewig Verdehr, clarinet; Edgar Kirk, bassoon; Gene Dobkins, trumpet; Mike Lorenz, trombone; and Mark Johnson, percussion. The conductor will be Dennis Burk.

The production will be staged under the direction of Donald E. LaCaze with choreography by William Moulton. The Soldier will be portrayed by Nick Kryah and the Devil will be played by Les Washington, both graduate assistants in the theater department. The Reader will be Fred Carlisle, professor of English.

The work was written in 1918, at the beginning of Stravinsky's neo-classic period. According to violinist Walter Verdehr, the music "has a great deal of charm, is witty and sardonic. Everything is a little tongue-in-cheek."

"Conductor Dennis Burk calls the work an "outstanding example of orchestral writing, equal in difficulty to the other Stravinsky orchestral ballets." Considerable virulence is demanded especially from the violins and trumpets.

Both concerts are free and open to the public.

Gondoliers' this weekend

The MSU Opera Workshop will present Gilbert and Sullivan's Comic Operetta, "The Gondoliers" this weekend in the Music Auditorium. Performances will be at 8:15 p.m. on Friday, and at 2 p.m. and 8:15 p.m. on Saturday. Admission is $1 for the evening performances and 75 cents for the Saturday matinee.

The fully staged production will include soloists, chorus, dancers and orchestra. The workshop, directed by Mrs. Leona Witter, has given past productions of Mozart's "Costa Fan Tutti" and Menotti's "Amahl and the Night Visitors".

Sigma Xi talk today

A world authority on health, Frank W. Lowenstein of the Department of Health, Education and Welfare, will discuss nutrition and health at the annual Sigma Xi Lecture today at Lowenstein's slide showing and talk, open to the public, will be in Room 110 Anthony Hall. He will discuss "The National Health Survey."

In addition to his extensive studies of nutritional problems in this country, he has also investigated related diseases in many parts of the world including Africa and the Amazon Basin of South America.

Sponsors of the lecture are the MSU chapter of Sigma Xi, and the Departments of Food Science and Human Nutrition, and Human Development.

Screening group is set

Membership of a special committee to evaluate candidates for vice president for student affairs has been completed, and President Wharton will ask the nine-member committee to report its findings to him by April 1 so that he may make a recommendation to the Board of Trustees as soon as possible thereafter.

Although the procedures to be used in the evaluation process were announced by Wharton on Nov. 30, the selection of members by the various campus constituencies involved was only recently completed.

Elected by the Academic Council were: Marjorie Geuer, College of Arts and Letters; Donald Thornton, College of Social Science; and Paula M. Fochtman, junior.

Elected by the steering committee was Walter F. Johnson, College of Education.

One student was selected by ASMSU: Robert Rosenthal, a junior. Named by the Council of Graduate Students was Tom O'Shea, doctoral candidate, College of Education.

Three members were selected by W. Lowenstein of the Department of Urban Affairs, as an "administrative officer familiar with responsibilities of position;" Emery Foster, assistant vice president for business operations, from the "nonacademic administrative ranks;" and Ruth Hamilton, sociologist and Center for Urban Affairs, as a "nonacademic faculty member."

Journal offers cash prize

The economics department will present a $50 prize for the best of five papers published in its second annual undergraduate journal, "The MSU Economist." Book prizes will be given to all five authors of papers published.

Any undergraduate paper which uses economic analysis in the discussion of a problem may be submitted to the economics department. Papers will also be selected for publication from those submitted by department faculty as the best in their classes.

Deadline for papers is April 15. The journal will be published in September and will contain papers written between spring term 1971 and winter term 1972.
BULLETINS

PHI KAPPA PHI

The officers and committee chairmen of Phi Kappa Phi will meet at 3 p.m., Thursday, March 9, in President W. Stanton's conference room.

WOMEN'S BOWLING

The MU Women's Bowling League meets full-time and substitute bowlers on Wednesday nights at 5:45. If interested, contact Doris Brewer, 3-3960.

BOTANICAL CLUB

The Red Cedar Chapter of the Michigan Botanical Club will meet at 7:30 p.m., March 7, in 204 Horticulture. Barbara Clark will discuss Exotic Pines.

FACULTY WOMEN

The Faculty: Women's Association will hold an open meeting with President Wharton at 7:30 p.m., Monday, March 6, in the Student Services Bldg. Lounge. For information, call Eleanor Huzar, 5-7511.

ASHDOD EXCAVATION

The Central Michigan Archaeological Society will present an illustrated public lecture at 8 p.m., Monday, March 6, in the Main Gallery at Krenge Art Center. David Noel Freedman of the Department of Near East Studies, U. of Michigan, will speak on "Excavation at Ashdod."

EXHIBITIONS

Krenge Art Center

Main Gallery: Works from the permanent collection. Entrance Gallery (March 4-26): Paintings and prints by artists who are members of the Michigan Academy of Science, Arts and Letters.

North Gallery (March 4-26): Paintings by two staff artists, Anthony Delfiani and Allen Leepa.

CONFERENCES

March 3-4 Gladion Men Growers Conference
March 4-5 4-H Leaders' Conference
March 6-8 Workshop on Differntiated Staffing
March 6-10 Basic Life & Health Insurance Inst.
March 7-10 Bank Administration Inst.
March 8-9 Workmen's Compensation in Michigan Schools

SEMINARS

MONDAY, MARCH 6, 1972

Phosphates and other radicals in soils and their impact on the environment. B. Ellis, 3 p.m., 102 Anthony (Animal Husbandry).

Basic principles and applications to the studies of radical ions. Allen J. Bard, U. of Texas at Austin, 4 p.m., 138 Chemistry (Chemistry).

Potential of hypophysiotropic hormone in animal industry. E.M. Convey, 12:30 p.m., 106 Anthony (Dairy Science).

"Where have all the leaders gone?" Eugene E. Jennings, Robert Green and Herbert Garfinkel, 3 p.m., 116 Eppley Center (Management).


Effects of voxelization on spermatogenesis in the white rat. Patricia A. Noden, 4 p.m., 216 Gilbert (Physics).

TUESDAY, MARCH 7, 1972

Biosynthesis of fatty acids by isolated chloroplasts. P. Stumpf, U. of California, Davis, 4:10 p.m., 101 Biochemistry (AEC Plant Research Laboratory).

Coulometric titrations in clinical chemistry and toxicology. W.C. Pardy, U. of Maryland, 9 a.m., 136 Chemistry (Chemistry).

On man-machine interfacing. Andrew B. Haynes, Jr., 3 p.m., 102B Wells (Computer Science).

USDA entomology research program at Michigan State. Richard Connin, James Webster and Stanley Wellso, 7:30 p.m., 244 Natural Science (Entomology).

Behavior and maze performance of young rats fed a low level of methyl mercuric chloride. Elizabeth Post, 12:30 p.m., 102 Human Ecology (Food Science & Human Nutrition).

Oral contraceptive steroids, Norbethynodrol and Mestranol: Effects on tissue uptake and utilization of Glucose U-14C. David Lei, 12:30 p.m., 102 Human Ecology (Food Science & Human Nutrition).

Ad Lib differential feeding of parasitic rats. Nathan Shlizer, 12:30 p.m., 102 Human Ecology (Food Science & Human Nutrition).

The use of the weaning meadow vole, Nocitius pennsylvanicus, as a bioassay for the determination of protein quality. V. Marcellan, 4:10 p.m., 102 Agricultural Economics (Agricultural Economics).

Sink effect on behavior of fruiting plants and their products. Gerhard Bou messan, Institut Fur Obstbae. West Berlin, 4 p.m., 206 Horticulture (Horticulture).

The quantitative approach in the social sciences. Charles Wrigley, 4 p.m., 304A Wells (Mathematics).

March 9-10 Allied Industrial Workers-Collective Bargaining
March 9-10 Mechanization for Profit in Agriculture

THEATRE TRIP

The Business Women's Club is planning to see "No, No, Nanette" at the Fisher Theatre, Saturday, April 1. For information and reservations, call Virginia Ross, 5-8416.

ACADEMIC COUNCIL

The regular meeting of the Academic Council will be held at 3:15 p.m., Tuesday, March 7, in the Con Con Room of the Center for International Programs.

NURSING LECTURE

Jeanne Riddle of the Wayne State U. School of Medicine will discuss the scanning electron microscope in the "Third Dimension of Disease" at a meeting of Sigma Theta Tau at 5 p.m., Friday, March 10, at the Hospitality Inn.

SAUSAGE SALE

The Food Science Club will have a limited amount of sausage for sale at 85 cents a pound. The sausage may be purchased from 9 a.m. to noon and 1 to 4 p.m. on Monday and Tuesday, March 6 and 7, in the Meats Laboratory lobby. Due to the limited amount available, no phone orders will be taken.

Center for International Programs

Main lobby: The Organization for Tropical Studies
The Fulbright Exchange Program

Museum

First floor: Tombstone rubbings by Clet Trout

Transformation and hypersensitivity states. K. Mathews, U. of Michigan, 4:10 p.m., 146 Gilbert (Microbiology & Public Health).

Chronic murine pneumonia in rats. George Jersey, 4:10 p.m., 346 Gilbert (Pathology).

Compound decision problem approximation to "Bayes risk" by procedures Bayes against diffuse priors. James Hamman, 4:10 p.m., 405A Wells (Statistics & Probability).

WEDNESDAY, MARCH 8, 1972

Corn blight in Michigan. Albert H. Ellingboe, 4:10 p.m., 168 Chemistry (Chemistry).

Problems in feeding Great Lakes fish to mink. Robert K. Ringer, 4:10 p.m., 204A Wells (Fisheries & Wildlife).

The role of antibiotics in animal health and disease. W. Kapp, 9 a.m., 104 Engineering (Civil Engineering).

Problems in feeding Great Lakes fish to mink. Dr. M. T. Boyer, 9 a.m., 104 Engineering (Civil Engineering).

Tuesday: The toward the redistribution of income in Panama. Milton Taylor, 3 p.m., 136 Chemistry (Chemistry).

Philosophy in a biological metaphor. Joseph F. Hanna, 4 p.m., 104 Bossey (Philosophy).

THURSDAY, MARCH 9, 1972

Regulation of glucogenesis. Henry Lardy, U. of Wisconsin Madison, 4:10 p.m., 101 Biochemistry (Biochemistry).

Applications of electron spin resonance and intermolecular electron transfer reactions. Allen J. Bard, U. of Texas at Austin, 3 p.m., 136 Chemistry (Chemistry).

Coagulation in estuaries. James K. Edzwald, 2 p.m., 146 Engineering (Civil Engineering).

Survey of water reclamation projects. Robert C. Ball, 1:30 p.m., 221 Natural Resources (Fisheries & Wildlife).

The Knopp-Schnee theorem. A. Peyeritz, 10 a.m., U. of Nebraska, 4:10 p.m., 304A Wells (Mathematics).

Organophosphates - irreversible inhibitors of cholinesterases or more? Frank Welsch, 4:10 p.m., 449B Life Science I (Pharmacology).

Calculation of the absolute cross-section of two nucleon transfer reactions. Richard Thomas, Institute of Nuclear Studies, 4 p.m., 131 Anthony (Institute of Nuclear Studies).

FRIDAY, MARCH 10, 1972

Induced technical change and agricultural development. Vernon Ruttan, U. of Minnesota, 3:30 p.m., 213 Agriculture (Agricultural Economics).

Mechanisms of numbers regulation in animal populations. Walter H. Conley, 11:30 a.m., 140 Natural Science (Zoology).

For general information about MSU, call 353.8700.
The Registrar 36 hours after the final examination is included. The first issue of spring term will appear March 10.

Saturday, March 4, 1972
11:30 a.m. Poled Hereford spring sale, Livestock Pavilion.
12 p.m. Swimming—Big Ten meet, Men's IM Pool.
2 p.m. Basketball—MSU vs. Michigan, Jenison Fieldhouse.
2 p.m. "The Gondoliers" (see March 3), Music Auditorium.
3:30 p.m. "Tommy" (see above), Abrams.
7 p.m. "The Gondoliers" (see above), Abrams.
7:30 p.m. "Tommy" (see above), Ericsson Kiva.
8 p.m. "Oedipus the King"—The MSU Department of Theatre will present a graduate thesis production of Sophocles' tragedy, directed by Michael Firestone. Tickets are available in advance from the theatre box office from 12:30 p.m. weekdays. Arena Theatre.
10 p.m. "U.F.O." (see above), Abrams.
10 p.m. "Tommy" (see above), Ericsson Kiva.

Sunday, March 5, 1972
2 p.m. "Histoire du Soldat" (The Soldier's Tale)—This 1918 work by Igor Stravinsky will be presented by the faculty of the music and theatre departments and members of Orchestra. Admission is free. Fairchild Theatre.
4 p.m. "U.F.O." (see March 3), Abrams.
4 p.m. Concert—The 100-piece Symphonic Band and the 55-piece Wind Ensemble will perform at East Lansing High School. Admission is free.

BULLETINS

LAST NEWS-BULLETIN The March 9 issue of the MSU News-Bulletin will be the last for winter term. Notices of events occurring between March 9 and March 30 must be sent to Patricia Grazer, 109 Agriculture Hall, by noon, Tuesday, March 7, for inclusion. The first issue of spring term will appear March 30.

ACADEMIC APPAREL Faculty members and advanced degree candidates who wish to rent academic apparel for winter term graduation, Saturday, March 12, should inquire at the Union Desk or call 5-3488. The deadline for reservation orders is Monday, March 6. Hoods from other Universities must be ordered specially and require an early reservation.

COMMENCEMENT Advanced degree commencement day will be held at 10 a.m. and baccalaureate commencement at 3 p.m. on Sunday, March 12, in the Auditorium. Members of the faculty should assemble and don academic costume in the west basement of the auditorium at least 30 minutes before the ceremony.

GRAD ASSISTANT FORMS Graduate Assistant Appointment Recommendation forms for spring term are due in the Budget Office, 432 Administration Bldg., by noon, Wednesday, March 15, 1972. All forms received before the deadline will be processed for the April 15th payroll.

GRADING PROCEDURES Grade cards will be delivered to departmental offices for basic courses on March 6, all others on March 9. They should be checked immediately to see that there is a card for every student. All grades are due in the Office of the Registrar 36 hours after the final examination is given.

OPENING EXHIBIT There will be an opening exhibit at Rege Art Center from 2 to 5 p.m., Sunday, March 5. Featured exhibits will be paintings and prints from the Michigan Academy of Science, Arts and Letters, and paintings by staff artists Anthony DeBlasi and Allen Leepa. Refreshments will be served.

SIGMA XI Frank W. Lowenstein of the Dept. of Science, University of Michigan, will present "Changing the World's Diet: A Scientific View." Tickets are available at the Union Ticket Office.

FACTORI FOLK The Faculty Folk will meet at 1 p.m. Friday, March 10, at the University Club, where Richard C. Bates will speak on "Going to Pot - A navy is available at People's Church and reservations must be made by March 8 by calling Mrs. C.R. Halverson, 337-0184 or Mrs. J.S. Bolen, 351-0423.

ZPG MEETING Allan Beegle will speak on "Changing American Fertility" at a meeting of the Zero Population Growth, 7:30 p.m., Sunday, March 5, at Union Parlor C.

AUFS LECTURER Louis Deppe, member of the American Universities Field Staff, will be on campus April 10-22, and is available for preliminary scheduling for courses and seminars. He is an anthropologist who has specialized in the areas of the Middle East and central Asia with particular emphasis on Afghanistan and Pakistan. For more information, call Charles Olzono, Dept. of Humanities, 3-5242.

Information on MSU events may be submitted, for possible inclusion in the bulletin, to Patricia Grazer, Dept. of Information Services, 109 Agriculture Hall, (517) 353-8819. Deadline for submitting information is noon Tuesday preceding the Thursday publication. The calendar of events will cover an 8-day period, Friday through Saturday.