Board OKs 

2 faculty 

extensions

The Board of Trustees voted last week to extend for one year the appointments of Eileen Van Tassell and Bertram Murray, both assistant professors of natural science who were notified of nonreappointment last year and who took their case to the Michigan Employment Relations Commission (MERC), where a decision is pending. (Trustees Patricia Carrigan, Warren Huff, Blanche Martin, Don Stevens and White voted in favor of the motion, with Frank Hartman, Frank Merriman and Ken Thompson opposed.)

While stated the extension because of what he said was his concern over "due process" for "nonreappointed faculty members. The suggestion followed a report from Provost John Cottin regarding the proposed change in tenure regulations (News - Bulletin, April 8), which is expected to be discussed by the Academic Council and Senate in May.

The extension for Van Tassell and Murray would bring their cases under the new tenure rules if the rules are approved. The proposed rules would allow trustees to act upon request in cases of nonrenewal.

Van Tassell and Murray charged the University last year with unfair labor practice, claiming that they were discriminated against in regard to hiring terms and conditions of employment. The University denied all charges and during the course of the hearing claimed that procedures used in the committee which determined reappointment are privileged, and in accord with established policy and practice.

Van Tassell and Murray made separate requests to the University Faculty Tenure committee, asking for a review of the process by which they were denied reappointment. Separate

(Continued on page 3)

Waste disposal: Doing it better

Disposing of solid waste: Compromising trash in the Union Building (left) and depositing—rather than burning—trash in married housing.

During this Earth Week, a year after the first Earth Day, attempts continue to enhance the University's environment.

One of the major steps taken here in formation of the MSU Waste Control Authority, an eight-member advisory group, has been coordinating the campus waste disposal job and helping to solve any problems that job creates.

In a report last month to the Board of Trustees, the Waste Control Authority recommended that a full-time waste control director be hired and that he be made responsible to the executive vice president (Jack Broadin). The director would coordinate all campus efforts and would serve as liaison with local, state and federal regulatory agencies.

Emily G. Foster, chairman of the authority committee and assistant vice president for business operations, stated that the "whole matter of waste control should be integrated into the entire University system."

"We feel this program should become an integral part of the University's teaching, research and community involvement. . . in order that we may make a meaningful contribution not just in this community but throughout the entire state and probably the nation."

THE AUTHORITY'S REPORT to the board also cites MSU's waste control efforts in nearly a dozen areas, including:

- The conversion of Power Plant '65 to gas last fall, which eliminated the emission of fly ash from the plant's smokestack. MSU has also requested funds to convert the Shaw Lane Plant from coal to gas, but limited gas reserves are likely to stall any conversion now.

- An alternate method of waste disposal in married housing areas. Trash and garbage were burned in incinerators, but residents in some areas now receive plastic bags to deposit their garbage and trash in area containers. This method not only reduces air pollution from burning, but it has helped control the rodent and insect populations. All married housing areas are expected to be included in this plan within 18 months.

- Separate sewers for liquid waste disposal. MSU for many years has had separate sanitation and storm sewers so that pollutants can be diverted to the sanitary sewers for treatment.

* Trail use of rubbish compactors. These are being used in the Union Building and another academic building to reduce the number of trips required by waste disposal trucks.

* Reducing phosphates in detergents. The MSU laundry does not use detergents with phosphates and, only

(Continued on page 5)

Commission nears completion of its job

The end is in sight.

Eleven months after its first official meeting, the Presidential Commission on Admissions and Student Body Composition moved into the homestretch last week in its deliberations.

A target completion date of May 27 was announced by commission director Ira Polley April 21. That announcement, the sixth of the full 25-member meetings of the full 25-member commission.

Along with new meeting dates, Polley also presented a list of goals or objectives.

According to this work plan, the commission will receive the first draft of the first half of the report on April 21, the second half on May 5, and a final draft of the full report on May 27. Some additional time probably will be needed for final editing and polishing," Polley stated, "but it contemplated that all decisions of the commission can be completed by the end of May."

This report, the end product of one year's work, will contain the commission's recommendations to the President on these seven topics: enrollment mix; research; quality and instructional programs; life-long learning and continuing education; summer school; minority and disadvantaged students; and planning, priorities, budgeting and management.

How these topics were derived is a subject of a Jaybody charged with coordinating the University last year with unfair employment. The suggestion discussed by the Academic Council and assistant vice president for business operations, said the "regulatory agencies.

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(Continued on page 5)
Two ex-faculty members die

Word has been received of the recent deaths of two former MSU faculty members.

Pierre Luboschitz, noted concert pianist, died April 17 at his home in Rochester, Minn., and Agata A. Bohmstedt, retired professor of humanities, died April 5 at his home in Fresno, Calif.

Luboschitz and his wife Genia were artits in residence at MSU from 1962 until 1968. Known professionally as Luboschitz and Nennemann, they headed the piano department.

Luboschitz was born in Odessa, Russia, and was graduated from the Moscow Conservatory in 1912. He came to the United States in 1915 and he and Ms. Nennemann were married in 1931 and made their debut in a two-piano concert in 1937 in New York's Town Hall.

WERNER BOHMSSTEDT, born in Germany in 1909, joined the MSU faculty in 1946. He became a professor in 1952 and retired in 1965.

Bohmstedt, a prominent figure in the political science department in 1926 at Germany's University of Kiel. He also taught at Mt. Union College and at the Universidad Nacional de Pana at home before coming to MSU.

Books

DAVID D. ANDERSON, professor of American Thought and Language, is the editor of "Sunshine and Smoke: American Writers and the American Environment," an anthology published by J.B. Lippincott and Co. The work examines American writers of the past three centuries as environmentalists while it explores the historical and literary roots of the ecological crisis.

DON E. HAMACHEK, professor of counseling, personnel services and educational psychology, is the author of a two-part guide, "How to Listen to Your Child" and "How to Get Your Child to Listen to You," both published by the National Education Association. It suggests ways in which adults can develop the habit of reacting to feelings that children express.

Baseball slate

WKAR - AM is broadcasting MSU baseball's spring games. The broadcast schedule of remaining Spartan games:

April 23 - at Detroit, 1 p.m. April 24 - at Eastern Michigan, 3 p.m. April 27 - at Western Michigan, 2:30 p.m. April 30 - at Michigan, 1 p.m. May 2 - at Michigan, 1 p.m. May 7 - at Ohio State, 3 p.m. May 11 - at Notre Dame, 1:30 p.m. May 14 - Wisconsin, 2 p.m. May 15 - Northwestern, 3 p.m. May 21 - at Illinois, 2 p.m. May 22 - at Illinois, 3 p.m.

Sigma Xi

The new officers of the MSU chapter of Sigma Xi science society are:

President - Walter Maker, mathematics and public health, vice president - H. JohnCarew, horticulture; secretary - Ronald A. Blum, computer sciences.

Sigma XI

"China Science Notes" from the National Academy of Science in Washington, D.C., is now available through University's International Library. The notes are drawn from sources such as China Science News, Far Eastern Economic Review, Asia Times and China Review.

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MSU News-Bulletin

Editor: Gene Riefstein
Associate editor: Beverly Twitchell
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New jobs postage paid at East Lansing, Mich. 48823.
Placement Bureau: More than getting jobs

The Placement Bureau is that place in the Student Services Building where students go for job interviews, where computerized data on the job market are kept, and where trustees (three at Los Angeles campus, one at Bakersfield) make selections that will affect their future careers. So, yes, last year nearly 3,000 employer interviews conducted 33,000 personal interviews (not including part-time and summer job interviews).

But the Placement Bureau is more than a job placement service. Ten students are employed and vigorously than he has in recent years, helping students plan their education and careers. The trustees approved a plan for the bureau for awareness of employment trends to help the student plan his education.

The deadline for application for the student advisory committee is Sept. 15, 1971. Letters and calls from universities all over the country have come to Shingleton asking about this program. At MSU 1,200 copies of a special bulletin on vocations for social change are "snapped up immediately," Shingleton says. The bulletin tells of jobs open in communistic, ghetto, free schools, etc.

He says it is a program with "great potential," and he sees it as a response "to a segment of the student body not traditionally seen in the placement function."

"Placement is changing," he says, "and we are trying to respond."

OTHER PROJECTED PROGRAMS include assistance in planning and placement for marginal students, foreign students, doctoral graduates, and for students who drop out to work before returning to complete their degrees; expansion of the program where graduate schools come to interview just as employers do; more information on graduates in the follow-up reports; complete counseling on the military, including professional draft counseling; and development of career-oriented summer employment.

The Bureau is also invited to study the possibility of establishing an international placement operation. All these projects, Shingleton notes, are related to social change. And another planned program would be to tie the Bureau in with the career planning and curriculum orientation. Outside sources would be used, Shingleton says, "to give real perspective on the whole thing."

But the course is not an end in itself, he says. It is "just a segment of the placement operation and its importance." It is now being reviewed in the provost's office, and may be offered as an interdisciplinary course.

BEVERLY TWITCHELL

Board debates tenure, GM proposals . . .

(Concluded from page 1)

subcommittees of the tenure committee reviewed the procedures and determined that the process was in accordance with the natural science department's bylaws. Cantlon said after the trustees' meeting that there probably would have been time (without the extension) for the two cases to fall under any new rules, since their termination date was Aug. 31, 1971.

Both Cantlon and University attorney Leland W. Carr Jr. expressed concern at the meeting that White's motion could prejudice the MERC decision, and that, as Carr said, changing rules midway through litigation and action as "an admission against interest on the part of the University."

Cantlon also said that Board action could "withdraw decision - making power from the Academic Council and the Provost." After the meeting Cantlon pondered the question of "how do you protect real excellence?" He said he was fundamentally opposed to a "civil service mentality."

"You are not the right to a professorship," he said, "It is not due you."

GM PROPOSALS

A motion from Trustee Huff that the University's proxy General Motors vote be referred to the Ann Arbor Trust Company was approved 5-3 (Hartman, Huff, Merrin, Thompson and White in favor; Carrigan, Martin and Stevens opposed).

The trust company, Huff said, is "in a much better position to judge management than we are."

Since the trust company usually votes with management, the University's GM stock would probably be voted against the proposals of Campaign GM II, three corporate responsibility and one involving GM operations in South Africa.

STUDENT ADVISERS

The trustees approved a plan for four student advisers to the trustees (three undergraduates and one graduate student) to meet at least once a term with the Board or a committee of the Board "to discuss potential problems, current issues and future directions."

Special meetings could be called at the discretion of the president or the board.

This was an alternate plan to one supported by a majority of a committee which included Trustees Thompson and Martin, Attorney Carr, the vice president for student affairs, the dean of students, three persons from ASMSU and the president of the Council of Graduate Students.

ASMSU Chairman Hal Backner called the alternate plan "not even a step in the right direction in the more meaningful student participation in University governance."

OTHER ACTIONS

In other action, the trustees:

\* Reversed last month's ruling on coed living options. With no discussion, the trustees voted unanimously in favor of a proposal to allow alternating floors of men and women in residence halls.

\* Approved an interim judicial system for graduate students, which will be set up according to the system called for in the document on graduate student rights and responsibilities. That document was approved by the Academic Council and must now be approved by the Academic Senate.

\* Approved the amendment to Article 7 of the Academic Freedom Report, which covers amendment procedures of that document.

\* Approved 15 appointments, 22 leaves, nine transfers and changes in assignments, 15 resignations and terminations and six retirements. Included was the appointment of Thomas H. Kirschbaum of the University of California at Los Angeles as chairman of the new department of obstetrics, gynecology and reproductive biology.

Deadline May 1

The deadline for application for the next group of Presidential Fellows has been moved up to May 1. Deadline for the Sept. 15, 1971 - March 15, 1972 fellowships had been June 1, but the date was changed in order to complete the selections by the end of this term. Fellowships are available to one junior faculty member, one graduate student and one undergraduate.

Travel seminar July 3-27

Encounter in Latin America is the theme of an adult travel-study seminar on developing nations which the University is offering for the second time this summer. This year's Encounter, July 3-27, will go to Ecuador and Colombia, following the route of the original Encounter in 1970. It is open to educators, social workers, engineers, business and professional people, families and others interested in their neighbors to the south.

Information on the Encounter in Latin America, which may be taken with or without credit, is available from the sponsoring office of International Extension, 8 Kellogg Center.

The faculty role, Shingleton says, can be aided through the Follow-Up Reports. Seeing where the graduates of the faculty can study and possibly alter curricula to relate to the kinds of jobs the graduates are taking. With this relevancy as the guiding philosophy, Shingleton and the Placement Bureau have several projects planned for initiation or expansion, including the addition of a woman counselor to work full-time in the placement of women, and an expanded effort on career planning and placement of minority students.

One and one half full-time staff members are working with a minority students, offering counseling and seminars on career planning, and minority and career employment. More attention and money are needed, Shingleton says, "because we've got far to go. This program is five years old."

"Vocations for Social Change came about a year ago at the suggestion of the Placement Bureau's student advisory committee (which has existed for 19 years).

Letters and calls from universities all over the country have come to Shingleton asking about this program.
Serving MSU

**Planetarium:** Teaching tool, a center for public service

Now in its eighth year of operation, Abrams Planetarium has been visited by approximately a half million people. Its sky theater has been used as an observing laboratory, lecture theater, museum and planetarium. The planetarium staff consists of 14 professional and technical employees, providing planetarium programs to thousands of students and the general public. Except for the school programs, all programs are made possible by contributions from individuals, foundations, and corporations.

**Exhibits:**

The planetarium's permanent exhibits include: a model of the solar system; a model of the greenhouse effect; and a demonstration of the composition of the earth's atmosphere. The exhibits are designed to be educational and entertaining for visitors of all ages.

**Programs:**

The planetarium offers a variety of programs, including public programs, school programs, and special events. These programs are designed to educate and entertain audiences of all ages and backgrounds.

**Public Programs:**

- **Planetarium Shows:** These shows feature films about space, astronomy, and the solar system. They are designed for all ages and are presented on a variety of dates and times.
- **School Programs:** These programs are designed for students in grades K-12. They cover a variety of topics, including the solar system, stars, galaxies, and planets.
- **Special Events:** These events include family nights, science fairs, and educational workshops. They are designed to be fun and educational for all ages.

**Admission:**

Admission to the planetarium is free for all visitors. However, there is a small charge for some special events.

**Contact Information:**

Abrams Planetarium

550 East Ann Street

Ann Arbor, MI 48109

Phone: 734-763-2400

Web: planetarium.umich.edu

**Scheduling Information:**

To schedule a public program or school program, please contact the planetarium at 734-763-2400.

**Volunteer Opportunities:**

The planetarium is always looking for volunteers to help with programs and events. Please contact the planetarium at 734-763-2400 for more information.

**Support the Planetarium:**

The planetarium is supported by contributions from individuals, foundations, and corporations. You can support the planetarium by making a donation to the planetarium's scholarship fund.

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In response to issues raised recently concerning the All - University Traffic Committee, President Wharton has issued a statement outlining plans for a review of the committee's role. Here is that statement:

"A number of questions have been raised regarding the role and operation of the All - University Traffic Committee (AUTC). These questions have been discussed with concerned individuals including Vice President (Milton B.) Dickerson; Prof. John Baldwin, chairman, AUTC; Richard O. Berntt, director of public safety; Harold Buckner, chairman of AMSU; and Diane Ratchow of AMSU.

Based upon these discussions, I believe that a review of the role, function, and existence of such programs already. As time ran out at this meeting, commissioners faced an issue that irritated many ears. The recommendation urged that "the Office of the Provost allocate budgets only when each department commits itself to providing the necessary program and service to minority and disadvantaged students.

"Particular emphasis should be placed on ATL, natural science, mathematics and chemistry because these units represent the first hurdles encountered by disadvantaged students."

Action was postponed until yesterday (April 21). These deliberations, which began on Nov. 13, have seen more than 50 recommendations adopted. By the end of the month, the commission will have acted on at least 70 of the 120 original motions.

On Dec. 4, commissioners were asked to indicate their agreement, disagreement or uncertainty about each of the 120 recommendations. When tabulated, those recommendations about which there was most disagreement, uncertainty or need for discussion were scheduled for early discussion.

In addition, recommendations were grouped into seven topical areas: enrollment mix, research, quality and instructional programs, lifelong learning and continuing education, summer school, minority and disadvantaged students, and planning, priorities, budgeting and management.

Faculty concert Sunday

MSU's Faculty Chamber Ensemble will present a concert at 3 p.m. this Sunday (April 25) in the Kresge Art Center. Members of the ensemble are (from left) Walter Verdehr, Deidre LaJarram, Lyman Bodman and Louis Potter Jr. They will perform Mozart's "Quartet in G-minor" and Faure's "Quartet in C-minor, Op. 15." The concert is open to the public without charge.

— Photo by Bob Smith

Group to review traffic policies

(Concluded from page 1)

The committee is composed of: Milton B. Dickerson, provost; Donald S. Boals, senior vice president; Joseph M. Hernandez, senior vice president; Richard O. Berntt, director of public safety; Robert F. Tropeanu, campus park and planning; and John L. Lewis, physical plant, plus the new chairman, John Baldwin.

The terms of reference for the review committee will be:

1. To review the current policies regarding traffic and driving on campus, as well as related issues such as fines, traffic flows, etc.

2. To study the adequacy of the existing number of parking spaces, their location, and the criteria for their allocation and use.

3. To review the organization and procedures currently employed in the allocation and utilization of parking spaces.

In preparation of this review, the recent recommendation of the AUTC for a professional study of the entire campus transportation problem should be the subject of initial discussion.

The traffic and parking situation on campus has changed a great deal since this committee was established by the Board of Trustees in July, 1963. The University has grown both in the total number of students, faculty and staff.

Exchange faculty

The "University's Role in Research" is the topic for the final International Exchange Faculty meeting Tuesday (April 27) at 7:30 p.m. in the Centennial Room of Kellogg Center. Milton E. Muehler, vice president for research development and dean of the graduate school, will chair the discussion.

All foreign and Fulbright faculty members and their wives are invited. Persons planning to attend should contact Miller Perry in the International Center.

Spraying practices designed to protect environment

A constructive response to increasing concern over environmental pollution will guide MSU's 1971 spray program aimed at preventing Dutch elm disease from killing campus elms valued at more than $3 million.

This year the elm spray program will be conducted under the supervision of a new University Spray Committee whose duty is to make sure that campus maintenance programs do not harm other valued parts of the environment.

The committee is composed of scientists, ecologists and other experts from the botany, entomology, forestry, zoology, and fisheries and wildlife departments, plus the Division of Campus Park and Planning.

The Dutch elm program is the result of concern that began in the late 1950's before the disease even came to the campus. There has been constant updating of the program to insure control of the disease with minimum harm to the environment.

"In view of the serious responsibility not to harm the ecology as a whole, we have taken every precaution to eliminate any potentially harmful side effects of the Dutch elm disease spray program," says Milton Baron, spray committee chairman and director of campus park and planning.

Without this spray program, and other control practices, the campus could lose all of its 1,700 elm trees by 1980.

According to Baron, all spraying will be done by helicopter. Only after dawn sometime between now and April 30. "This method provides accurate and specific spraying of individual trees, with only one - third the amount of chemical used in spray applications from the ground," he says.

"The pilot will be given a campus map showing each elm tree in color, and a spraying map be developed when weather conditions are exactly right to permit the best possible vertical drop."

SPRAYING IS DONE just after dawn for two reasons.

First, there is a minimum of people and cars on campus.

Second, the high humidity and lack of wind during early morning hours reduces any chance that the spray might drift into non - target areas.
Scientists develop a cancer vaccine

By PHILLIP E. MILLER
Science Editor, News Bureau

A team of researchers at the U.S. Department of Agriculture's Regional Poultry Research Laboratory on the MSU campus has developed the first vaccine to work against a naturally-occurring cancer.

The USDA team is led by Ben Burmester, director of the laboratory, and includes research veterinarians H. Graham Purchase and Richard L. Witter, and microbiologist William Okazaki.

Until now, scientists had developed vaccines that were effective against experimentally-induced cancers of animals, but none would combat animal cancers which developed under natural conditions.

The successful vaccine is considered a landmark in the fight against tumors. Of course, many factors, including chemicals and radiation, have also been linked with the onset of tumors. And some scientists believe such cancers are also virus-related even though they are triggered by normal influences.

The USDA vaccine prevents Marek's disease, a malignant disease in the lymph system of chickens. It is similar to Hodgkin's disease, a malignant disease of the human lymph system.

The lymph system is that complex of tubes and glands (nodules in chickens) that route and filter the lymph fluid — the major portion of blood — before it enters the blood transport system.

Both the poultry and human diseases involve damage to internal organs such as the liver and spleen. Another result of the disease is a lethal overabundance of the colorless cells manufactured in the lymph system.

Marek's disease is the major killer disease of chickens, causing U.S. farmers about $200 million a year. The new vaccine, already patented, manufactured and on the market at about 6 cents "per vaccination," will help stop the disease among breeder and layer chickens.

"If the vaccine price goes down to about 2 cents, then it may also become economical for broilers and fryers," Burmester said.

***

THE RESEARCH FINDING brings back a controversial question: Can an effective vaccine be found against certain types of human cancer? Various laboratories are already geared for the battle over federal funds for cancer research.

"We are hopeful that in the future a similar vaccine against human tumors may be available," Burmester said. "But we first have to find a virus which causes human cancer. Then a vaccine may be developed."

Burmester explained that Marek's disease is caused by a virus whose physical and chemical characteristics place it in the group known as the herpes viruses. These same viruses cause human cancer. Then a vaccine may be found against certain types of human cancer?

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***

HOW THE VACCINE works is "strictly a mystery," Burmester said. Once vaccinated, a chicken can still be infected by Marek's virus, but it is still protected against tumor growth and clinical signs that would otherwise occur.

For several decades, researchers have been grappling with the problems of Marek's disease and other leukemic diseases among poultry.

Mary Sawyer is Lansing's Secretary of the Year

This is a special week for secretaries and an unusual one for Mrs. A. Robert) Mary Sawyer, administrative secretary to the dean of International Studies and Programs at MSU.

She has been named Secretary of the Year during this National Secretaries Week by the members of the Lansing Turbor Chapter of the National Secretaries Association (International).

One of two Certified Professional Secretaries (CPS) on campus, Mrs. Sawyer was chosen on the basis of education, experience, professional qualifications, and the recommendation of her boss.

She was honored during a dinner last night. Her boss, Ralph Smucker who was named Boss of the Year last December, was the keynote speaker.

The CPS after her name represents years of determination.

The mother of six children and now grandmother of 13, Mrs. Sawyer went to school nights for five years in order to pass the grueling two-day CPS qualifying examination.

In the exam, secretaries are expected to pass six sections on accounting, business law, business administration, personal adjustment and human relations, communications and decision making and secretarial procedures. Passing the exam is equivalent to 20 credits toward an associate degree at Lansing Community College.

There are only 9 Certified Professional Secretaries in the Lansing chapter of the National Secretaries Association, approximately 270 in Michigan, and about 5,200 nationwide. She explains, "Professional development is my big hang-up and the CPS designation provides a recognized standard of proficiency in the secretarial profession."

She emphasizes that more girls should be encouraged to regard secretarial work as a career.

A native of the Lansing area, Mrs. Sawyer has had a long, distinguished career in business and at the University. For more than nine years she was executive secretary and assistant to the chairman in the chemistry department. In October, 1967, she transferred to International Studies and Programs.

She is past president of the Business Women's Club and is now serving as secretary in MSU's Administrative Professional Association.

As Secretary of the Year, Mrs. Sawyer will compete with five other secretaries representing other local chapters throughout Michigan in Flint May 21. The winner in this division will move to the 6-state Great Lakes District competition in July.

― BARBARA MCINTOSH

Students spend $132 million

MSU students this year will spend approximately $132 million, according to Gordon E. Miracle, professor of advertising.

This figure is in addition to tuition, on-campus room and board and other fees.

Speaking Wednesday before the Downtown Business Division of the Greater Lansing Chamber of Commerce, Miracle said that he bases this estimate on several years of study of the student market.

Accounting for 13 per cent of the population of the Lansing area, MSU students will spend more than $10 million on food; $1 million in liquor and party stores; $5.5 million in eating and drinking establishments; $5 million on gasoline and other items from service stations; $11 million in department stores; and $4 million in apparel stores.

Miracle pointed out that if Lansing area merchants do a better job of communicating with students through local advertising media, informing them of the advantages of buying in their area, they will very likely be able to increase their sales to this vast student market.

― Photo by Dick Wesley

Secretary of the Year Mary Sawyer and her boss, Ralph Smucker.

The cancer research team (from left): William Okazaki, Ben Burmester, H. Graham Purchase and Richard L. Witter.
BOARD OF TRUSTEES......... The next meeting of the Board of Trustees will be held on Friday, May 21. Items to be included in the agenda must be in the Provost's Office or the Executive Vice President's Office by noon on Monday, May 3. Material received after the deadline will be held for the June meeting of the Trustees.

SOCIAL CHANGE ......... Bernie Offerman, instructor in industrial relations, will be speaking to MSU volunteers on techniques for social change on April 27, 7:30-9:30 p.m., in 27 Student Services. Open to the public.

CHILDREN NEED YOU!....... Persons interested in establishing a one-to-one relationship with a disadvantaged child are invited to attend a meeting for MSU Big Brothers and Big Sisters on April 22, 7:30-9:30 p.m., 27 Student Services.

NURSERY OPEN HOUSE..... The MSU Community Cooperative Nursery, (Jolly and College Roads) will hold an open house for perspective members 2-5 p.m. Sunday, April 25. Reservations are being accepted for 3 and 4 year-olds for fall term.

PAC BOXOFFICE OPEN .... The Performing Arts Company boxoffice will be open today and tomorrow 12:30 to 5 p.m. at Fairchild Theatre. PAC is now presenting Orpheus, a modern dance group in interpretive dance. Programs will be given at 8 p.m. Friday, 2 p.m. Saturday and 8 p.m. Sunday.

FARM WORKERS MEET . . . All faculty members below department chairman level interested in supporting the campaign to solidify the posture of the United Farm Workers Organizing Committee, Local 299, as the faculty's bargaining agent will meet Thursday, April 22, at 5 p.m. in 1088 Wells Hall. For more information, contact C.P. Larrowe, 5-1864.

SOVIET FILMS SHOWN .... The Russian and East European Studies Group will present two Soviet films this week on Monday and Tuesday, April 26-27. The first, "End of St. Petersburg," will be shown at 7:30 p.m. Monday in 1048 Wells Hall. On Tuesday they will present "Lenin In October" at 7:30 p.m. at 101 N. Kedzie. Admission is free to both.

COMPUTING LAB OPEN .... The Statistics Computing Lab, 100C Wells Hall, will be open for use by faculty members and students Tuesdays 1-4, and 1-5 the remaining days. Also, the facilities will be open 7-9 p.m. Monday-Thursday. Two electronic calculators with small programmable capabilities for repetitive computations are available, as well as the rotary type Monroe Calculator. For more information, call the department.

SUMMER INSURANCE ...... If you will not be working or receiving a regular check from the University this summer and will be returning to work in September, arrangements must be made to keep your insurance coverage in force during the summer months. Please contact the Staff Benefits Division, 344 Hannah Administration Bldg., 3-4434, if you are paid on May 14, if paid on the salary payroll.

SMALL ANIMALS DAY . University Farms will again be open for Small Animals Day 9 a.m.-noon, Saturday, May 1. The annual event, featuring newborn farm animals, is sponsored by the College of Agriculture and Natural Resources and the Agriculture and Natural Resources Council, a student organization. Information and maps will be available that day at the corner of Farm and Shaw Lanes.

POP ENTERTAINMENT . . . Stevie Wonder, well known black pop artist, will appear Monday, April 26, in the Auditorium as part of ASMSU's Pop Entertainment Series. Tickets for the two shows, at 7 and 9:45 p.m., are $2.50. Proceeds will go to the Martin Luther King Jr. Scholarship Fund.

CENSUS AVAILABLE ..... The Computer Laboratory now has the 1970 Tapes (First Count Files A and B plus the Bureau of Census MEDLIST on tape). In addition, the Bureau of Census retrieval program DAULS17 which can print out any or all of the standard 55 tables from Files A or B is available. A further notice will be published when all the tapes have been copied with instructions on how to access the tapes. Until then, if anyone has an urgent need to use the tapes or desires further information, please contact Applications Programming Group, Anden Johanson, 3-4694.

EXHIBITIONS .... Kreege Art Center . Works from the permanent collection. Main Gallery. Gallery Hours: Monday-Friday, 9-12 and 1-5 p.m. Tuesday, 7-9 p.m. Saturday-Sunday, 2-5 p.m.

Abrams Planetarium .... Student experimental photographic exhibition through May 30. Display hall hours: Monday through Friday 9 a.m. to 12 and 1 to 4. Sunday 2-5 p.m.

STEEERING COMMITTEE .... The Steering Committee of the Faculty will meet at 4 p.m. Monday, April 26, in Room 443A Administration Bldg. to set the agenda for the Academic Council meeting of May 4.

AWARDS BANQUET .... Secretary of State Richard Austin will be the guest speaker Saturday, April 24, at MSU's 16th annual Beta Alpha Pi awards banquet. Along with initiation of 30 new members of the honorary, the annual Beta Alpha Pi scholarship will be presented to MSU's top senior in accounting. Dinner and the awards program begin at 6:45 p.m. back in the Big Ten Room.

EMP. RELATIONS TALK .... The School of Labor and Industrial Relations and Dept. of Management are jointly sponsoring a talk by George Strauss of the University of California, who will discuss "Organizational Behavior: The Present State of the Field," at 3:30 p.m. April 28 in Room 31 of the Union. His talk will be followed by a question and answer period. Strauss is one of the most prominent scholars in the field of employment relations in America.

LITERATURE DISCUSSED . . A Conference in Modern Literature will be held April 30 and May 1 in the Kellogg Center Auditorium. Sponsored by Dept. of English, the conference will include lectures by Harold Bloom, John Lahr, Thomas Whitaker and Esther Bronner who will discuss contemporary theatre.

COMPUTER COURSES .... A five-week COBOL short course will be offered by the Computer Lab in Room 318. C.C. every Wednesday evening 7-9 p.m., beginning April 21. The text will be the same as for CPS 306. For further information, call 3-1801.

LECTURE SERIES .... The Renaud Foundation Lectureship Series, sponsored by the MSU section of the American Chemical Society and the Renaud Foundation, will feature a series of lectures by Prof. Carl Djerassi of Stanford University. Prof. Djerassi, a native of Austria, has been a research chemist at Ciba Pharmaceutical Co., held various positions with the Syntex Corp. and taught at Wayne State University. He will deliver three public lectures: "Applications of Mass Spectrometry in the Steroid Fields," at 3 p.m. Wednesday, April 28; "New Prospects in Brit Control," at 8 p.m. Wednesday; "Organic Chemical Applications of Magnetic Circular Dichroism," at 3 p.m. Thursday.

YUGOSLAV NOVEL .... Nikola Kojovic, assistant professor of English literature at the University of Sarajevo, Yugoslavia, will lecture on "Modern Yugoslav Novel," at 2 p.m., Tuesday, April 27, in 716A Wells.

UNION BOARD FILM . The Union Board will sponsor a continuous showing of "Gladiators," a first prize winner at the International Film Festival, beginning at 1 p.m. Sunday, April 25, in the Union Ballroom. Admission is $1.

INFORMAL NOTICES .... GOLF GROUP MEETS .... Faculty Folk Golf Group will have a coffee at the Delta Zeta sorority house, 110 Oakhill Dr., at 9:30 a.m. on April 29. Faculty Folk members are invited to sign up for coffee and/or lessons. For more information, call Leona Webster, 3-493 or Mary Ries, 3-3794.

INT'L INTEREST GROUP .... The Faculty Folk International Interest Group will meet at 1 p.m. Monday, April 26, at the home of Mr. Jack Elliott, 637 Sunset Lane, East Lansing. Mrs. Jusen Nair, author and visiting scholar, will be the speaker. All Faculty Folk members are welcome.

KNITTING GROUP .... The Faculty Folk Knitting Group will meet at 9:30 a.m. Wednesday, April 28, at the home of Mary Gustafson, 2691 Linden, East Lansing, 3-3704.

EXT. WOMEN MEET .... The Cooperative Extension Women will meet at 1:30 p.m. Friday, April 30, at the home of Mrs. Lowell Treaster, 4594 Comanche Dr., Indian Lakes, Okemos, for bridge or hand sewing.

Beal Garden .... The Korean Rhododendron, earliest of its type to bloom, is in flower near the northeast entrance.

Campus Plantings .... The Merrill and Anise Magnolias are in full bloom near Cowles House, Hidden Lake Gardens.

Early tulips and daffodils are now blooming. Woodlands, water and wildlife are year-round features. Tipton, Mich.
**University Calendar**

**Friday, April 23, 1971**
- 2 p.m. New Players—Stop the World—I want to Get Off! by Anthony Newley includes 20 musical productions. Tickets, $2, available at the Union Office or at the door. Union Ballroom.
- 7:30 p.m. New Players (see above) Union Ballroom.
- 8 p.m. Performing Arts Company (PAC)—Orchestra, modern dance group, will be featured in contemporary and interpretive dance. Tickets, $1, available at the door. Faichild Theatre.
- 8 p.m. Planetarium Program—The New World is an original science fiction drama created especially for presentation at Abrams.
- 10 p.m. Planetarium Program (see above) Abrams.
- 10 p.m. New Players (see above) Union Ballroom.

**Saturday, April 24, 1971**
- 9 a.m. State Gymnastics Championships—Top gymnasts in the Midwest will compete in the finals. Admission is $1 for adults; 50 cents for MSU students and children. 3rd Floor, Jenison.
- 2 p.m. PAC (see Fri.) Faichild Theatre.
- 2:30 p.m. Planetarium Program (see Fri.) Abrams.
- 7:30 p.m. New Players (see Fri.) Union Ballroom.
- 8 p.m. Planetarium Program (see Fri.) Abrams.
- 8 p.m. World Travel Series—The Amazing America of Will Rogers, filmed and narrated by John Nichols Booth. Auditorium.
- 10 p.m. Planetarium Program (see Fri.) Abrams.
- 10 p.m. New Players (see Fri.) Union Ballroom.

**Sunday, April 25, 1971**
- 2:30 p.m. Planetarium Program (see Fri.) Abrams.
- 3 p.m. New Players (see Fri.) Union Ballroom.
- 3 p.m. Concert—Faculty ensemble will perform two contrasting piano quartets. Featured will be pianist David Renner, violinist Walter Verdehr, violist Lyman Bodman, and cellist Louis Kreinin, professor of economics, on "A View of the Economy." 4:10 p.m., 216 Giltner Hall. (Physiology).
- 4 p.m. Planetarium Program (see Fri.) Abrams.
- 8:15 p.m. Spring Concert—MSU State Singers, directed by Harold Brown, will feature works from the Renaissance to the present, performed by 60-voice choir and 11-piece brass ensemble. University Methodist Church, E. Lansing.
- 8 p.m. Planetarium Program (see Fri.) Abrams.

**Monday, April 26, 1971**
- 4 p.m. Steering Committee of the Faculty Meeting. 443C Hannah Hall.
- 7 p.m. ASMSU Pop Entertainment—In cooperation with Motown Recording Corp., ASMSU will present Steve Wonder, former Lansing resident who has had several Gold Records in past years. Tickets, $2.50, available at the Union Ticket Office, Marshall's and Campbell's. Proceeds will go to Martin Luther King Jr. Scholarship Fund. Auditorium.
- 8:15 p.m. Graduate Recital—Pianist Andrew Foulrich will perform. Music Aud.
- 9:45 p.m. ASMSU Pop Entertainment (see above) Auditorium.

**Tuesday, April 27, 1971**
- Noon Faculty Club Luncheon—Guest speaker will be Mordoch Konin, professor of economics, on "A View of the Economy."
- 6:30 p.m. Faculty Women's Assoc. Dinner and Cocktail Reception—Guest speaker will be Patricia Carrigan, member of the Board of Trustees. Faculty Club.

**Wednesday, April 28, 1971**
- 12:30 p.m., 116 Agricultural Engineering. (Biochemistry).

**April 25-28**
- Spring Mental Health Meeting

**April 30-May 1**
- Federal Temple Sisterhood Leadership Conf.
- Twentieth Century Literature

**SEMINARS**

**Monday, April 26, 1971**
- ROBERT HASELKORN—Biophysics, U. of Chicago—The regulation of protein synthesis during T4 infection. 4:10 p.m., 101 Biochemistry. (Biophysics & Biochemistry).
- PAUL NEWBERNE—MIT—Aflatoxins in nutrition. 4:10 p.m., 131 Anthony Hall. (Institute of Nutrition).
- J. ALAN HOLMAN—Continental drift and vertebrate paleontology. 3 p.m., 101 Biochemistry. (Membranes Research).
- IVAN BUTZONITCH—Infection of epidermal cells by tobacco necrosis virus. 4:10 p.m., 168 Plant Biology. (Pathology).
- PAUL NEWBERNE, MIT—Aflatoxins in nutrition. 4:10 p.m., 131 Anthony Hall. (Institute of Nutrition).
- CARL H. BECKMAN—A plant sensory system. 4:10 p.m., 168 Plant Biology. (Botany & Plant Pathology).
- LAWRENCE WITT, Office of Agriculture & Fisheries, AID, Washington, DC—Agricultural decontamination: concept, purposes and research challenges. 3:30 p.m., Parlor C, Union Bldg. (Agricultural Economics).
- CARL H. BECKMAN—A plant sensory system. 4:10 p.m., 168 Plant Biology. (Botany & Plant Pathology).
- W. KEITH BRYANT, Inst. for Research on Poverty, U. of Wisc.—The economics of enjoying work. 3:30 p.m., 9 Human Ecology Bldg. (Family Economics & Human Nutrition).
- J. ALAN HOLMAN—Continental drift and vertebrate paleontology. 3 p.m., 209 Natural Science. (Geology).
- MICHAEL TAYLOR, U. of London—New developments in the analysis of political systems. 8 p.m., 30 Union Bldg. (Sociology).
- IVAN BUTZONITCH—Infection of epidermal cells by tobacco necrosis virus. 4:10 p.m., 168 Plant Biology. (Pathology).
- E. FRIEDEN, Florida State U., Tallahassee—Biochemical aspects of amphibian metamorphosis. 4 p.m., 204 Natural Science Bldg. (Geology).
- IVAN BUTZONITCH—Infection of epidermal cells by tobacco necrosis virus. 4:10 p.m., 168 Plant Biology. (Pathology).
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**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.**