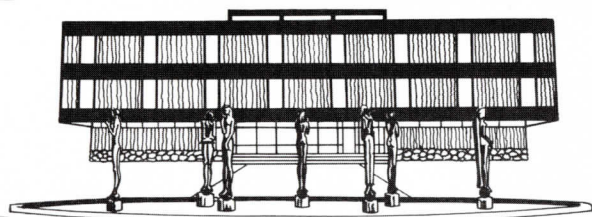


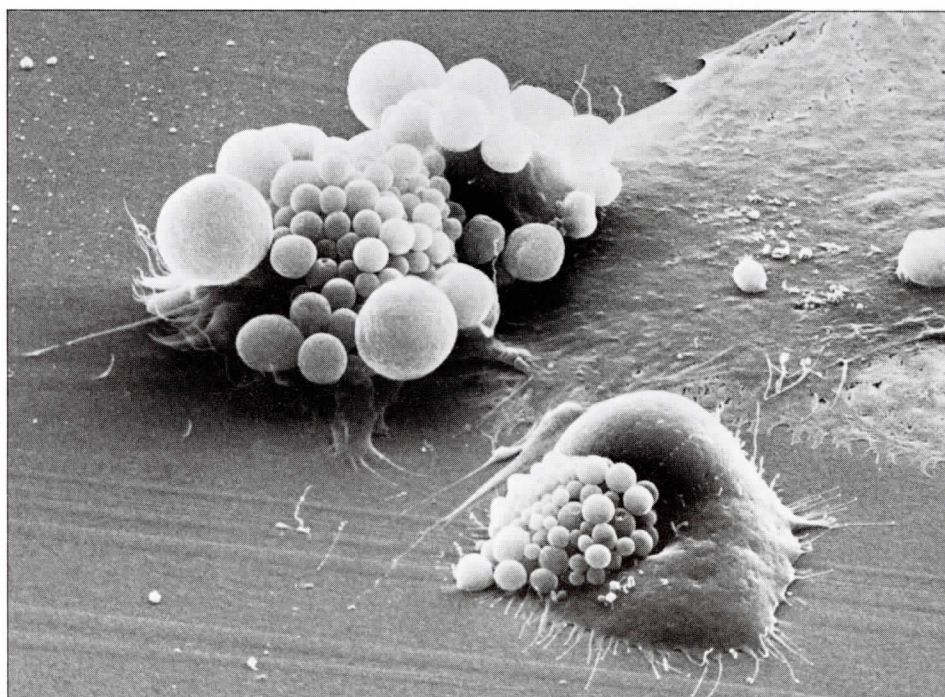
# OAKLAND UNIVERSITY NEWS



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Third Class Mail

April 11, 1986

A publication for faculty, staff and friends



The scanning electron microscope at the Eye Research Institute reveals damaged rabbit lens epithelial cells grown in a culture with an inhibitor of the glutathione reductase enzyme. This enzyme protects the cells from the small concentration of an oxidant that normally bathes the lens in the eye. Under normal conditions, the cells would appear flat. The damaged cells have been magnified 2,580 times. Photo by Stanley Susan

## ERI Achievements Cited

The opening of the Core Facility for Vision Research at the Eye Research Institute brought praise to its researchers and to OU for accomplishing what is usually done only at medical centers and major research universities.

Guests from Columbia University and the National Eye Institute joined Director Venkat N. Reddy and President Joseph E. Champagne in welcoming members of the university community to the official opening on March 26. The core research facility is in Dodge Hall and includes scanning and transmission electron microscopes, and laboratories for tissue culture and molecular biology studies.

Abraham Spector, professor of ophthalmic biochemistry and director of the laboratory of molecular biology at Columbia, said it seemed "questionable" whether the fledgling institute could succeed when it opened in 1968. Reddy and the first director, the late V. Everett Kinsey, "took bold steps and began, what I refer to, as a great success

story," Spector said.

Through the two directors' efforts, the institute quickly gained a national reputation and respect among colleagues, Spector added.

When the forerunner to the ERI began (the Institute of Biological Sciences), OU was less than 10 years old. The relative isolation of the university from major research centers, the lack of a hospital or medical center on campus, and a lack of institutional tradition at OU combined to cast doubts on the venture, Spector related.

Through the years, however, the ERI has grown substantially in terms of research funding and faculty size. When the institute was awarded a competitive post-doctoral training grant from the National Eye Institute, Spector said, peers in the field of eye research gave their "stamp of approval" to the OU venture.

Having ophthalmologists on the ERI staff further lends credibility to the research being done, Spector said, adding that it was a "remarkable achievement" for Reddy to bring researchers of that caliber to the ERI.

The contribution that OU makes to science through the ERI is significant, said Edward H. McManus, deputy director of the NEI. At present, about 900,000 operations to correct cataracts are performed annually, he said. With an aging population, the country faces the prospect of a rise in the number of operations. "In future years, cataract operations will become even more frequent unless some answer can be found," McManus explained.

If the research being done at OU and other institutions leads to a break-through in non-surgical therapy, over \$750 million a year could be saved through either delaying surgery or avoiding it.

The ERI ranks at the top in terms of research funding for OU. Approximately 40 percent of the funds the university received from outside agencies was designated for the ERI in 1985. Nationally, the institute ranks 17th in NEI funding.

Champagne said Reddy's "batting average for grant-getting is phenomenal." The president noted that the possibility of federal budget cuts that could affect grants such as Reddy's would be a "disinvestment" in people and the economy. About 75 percent of all scientific discoveries are made on college campuses, Champagne said, and if those efforts were reduced, the loss would be measured in humanitarian terms and not just scientific.

## Campus Fund Drive Surpasses \$64,000

Contributions to the All-University Fund Drive Committee exceeded the \$50,000 campaign goal for 1985-86 by \$14,085, or 28 percent.

The \$64,085 total includes \$54,563 in cash gifts and pledges to support departments and programs of the university. Of that amount, \$19,044 is new or increased giving over last year and qualifies for \$9,521 in matching funds from the Oakland University Foundation.

Approximately \$2,500 of the total was not designated to any particular area or program. At a meeting held in early March, the fund drive committee agreed to dedicate that money to support two new programs.

The first is the Faculty-Staff Scholarship to be awarded to students demonstrating

both academic potential and financial need. The award will be administered through the Office of Financial Aid.

The second program is the Faculty-Staff Awards for Student Excellence. They will recognize exceptional student achievements in the humanities, social sciences, and sciences. The awards will be administered by a special subcommittee of the University Teaching and Learning Committee.

The committee reminds the university community that it is still not too late to participate in this year's fund drive. Pledge cards and donations are being accepted in the Gift Accounting Office, 272 SFH. Additional pledge cards and envelopes may be obtained by calling 370-4245.

## Stinson Receives AP Award

And the winner is — Joan Stinson.

The director of Alumni Relations and assistant director of development has been named Outstanding Administrative-Professional Employee for 1986. A committee selected her for her contributions toward strengthening alumni programs and working with other departments in their projects.

The award includes a plaque and a stipend of \$1,000.

Stinson's accomplishments have included negotiating a \$1 million alumni pledge for the Kresge Library, boosting the Alumni Fund contributions from \$85,000 in 1981 to nearly \$200,000 in 1985, receiving nominations three of the past four years for a U.S. Steel Award for an outstanding alumni giving program, and receiving two \$25,000 grants.

She has also been involved in updating data management for alumni and donor records and helped establish the Gift Accounting Office. Stinson also worked with the University Relations Publications Department to revise the *Oakland University Magazine* for alumni.

Through Stinson's efforts, the first comprehensive alumni survey in the history of the university was conducted.

In service to OU, the director has served on the Provost Search Committee, the Committee on Academic Mission and Priorities, the Commission on University Excellence, the 25th Anniversary Committee, the Teaching Excellence Award Committee, the Concours d'Elegance Volunteer Committee, the Golf Course Advisory Committee, the Distinguished Alumni Service Award Committee, the AP Assembly Executive Committee and other AP committees, the ACE-NIP Membership Committee, the St. John Fisher Chapel Board and the Women of Oakland University. She has also served as adviser to Phi Sigma Sigma Sorority.

Stinson has also been involved with the Michigan Advancement Council, the Metro Detroit Area Alumni Directors, and the CASE



A surprised Joan Stinson, moments after being told of the award.

District V Audit Committee.

"A spirit of cooperation epitomizes Joan Stinson's attitude in carrying out her responsibilities," read one nomination. "Joan's vision and initiative infuse Alumni Relations and developmental affairs with energy and accomplishment."

The nomination added, "Joan is a rare individual who combines extraordinary dedication, vision and intelligence to make significant contributions to Oakland University."

In all, 13 persons were nominated for the award and six finalists were selected. The others were Jack Wilson, student services; William Marshall, Oakland Center; Margaret Twyman, Meadow Brook Hall; Elaine Chapman-Moore, academic advising; and Gerald Compton, chemistry.

## Education Expert to Lecture at OU

Ernest Boyer, president of the Carnegie Foundation for the Advancement of Teaching and author of major secondary education reform studies, will present a free public lecture at 9 a.m. April 22.

Boyer, former U.S. Commissioner of Education, will speak in the Oakland Center Gold Rooms on *Beyond School Reform*. OU officials, the public, and school superintendents from Oakland, Wayne, Macomb, Genesee and St. Clair counties have been invited.

Boyer will meet with university officials at an April 21 dinner in Meadow Brook Hall. In addition to his April 22 lecture, Boyer will meet at 10:30 a.m. with members of the Oakland Educational Collaborative and at 1:30 p.m. with faculty members in the Secondary Education Council for the School of Human and Educational Services.

The lecturer's visit is sponsored by SHES and the College of Arts and Sciences. University officials say Boyer is the logical one to talk about the bridge between high schools and colleges and universities, and about the collaborative education programs the university is launching with Oakland Community College and local school districts.

## Workshop Explores Burnout

Female employees have an opportunity to use career development funds to attend the one-day workshop on *Overcoming the Superwoman Syndrome: Working Your Way Out of Burnout*. The workshop will be April 29 in Varner Recital Hall.

Dr. Arleen LaBella will present skills and specific how-to techniques to help working women reduce the conflict and stress of their multi-committed lives, to say "no" to the "more is better" syndrome and the accompanying frantic search to do it all. Participants will learn to change stress into positive energy, improve personal/professional balance and take action to perform

better at home and at work.

LaBella is co-founder of the Virginia-based Professional Development Institute. She is returning for a second OU appearance following her highly rated and successful presentation of *Image and Personal Power for Today's Woman in Today's Workplaces* held last September.

The workshop is sponsored by the Division of Continuing Education and the Continuum Center. For details, call the Continuum Center at 370-3033. For career development forms, contact Diann Pendell in the Employee Relations Department.



# Our People

Brief summaries of your activities may be sent to the News Service, 109 NFH. Items are published on a space-available basis. Good things come to those who are patient.

- Carl F. Barnes, Jr., Center for the Arts, has been elected to serve a two-year term on the Board of Governors of the Academy for the Gifted and Talented of Michigan. Barnes replaces Peter G. Evarts, English, whose term on the board has expired.
- Donald E. Morse, rhetoric, communications and journalism, wrote 'Still Feeling Our Way in the Dark': Key Issues in Faculty Development for the winter issue of the ADE Bulletin. The bulletin is published by the Modern Language Association for the Association of Departments of English.
- Morse also presented two sessions on Using Thinking Strategies Among College Students at the Teaching Thinking Conference sponsored by the Oakland Educational Collaborative. Carole Royer of the department was one of the faculty members responsible for organizing the conference.
- Morse also organized and oversaw the Seventh International Conference on the Fantastic in the Arts in Houston. As conference coordinator, he arranged the program. He was also chairperson of a session, Publishing Opportunities in Fantastic Literature: The Greenwood Press Series. Morse is under contract with Greenwood Press to edit the volume, The Fantastic in World Literature and the Arts.
- Three members of the Department of Rhetoric, Communications and Journalism participated in the annual meeting of the Conference on College Composition and Communication in New Orleans. Barbara Hamilton presented a paper, Ethnography and Dramatism: Kenneth Burke's Philosophy as an Informing Principle in Community-based Writing Research. Van E. Hillard was chairperson of a session on Analyzing the Language of Change and Ronald Sudol was chairperson of a session on Evaluating Textbooks for the English Classroom: Historical Perspectives at the meeting of the Committee on Textbooks in Composition.
- Carl Westhoff, graduate admissions, has been selected to serve out the year as chairperson of the Committee on Graduate and Professional Studies of the Michigan Association of Collegiate Registrars and Admissions Officers. He had previously

- served as chairperson in 1983-84 and 1984-85. The committee is exploring the issues of New Ideas in Undergraduate Preparation for Graduate/Professional School and How to Successfully Market Graduate Degree Programs.
- Mary Lou Stone and Nancy Schochetman, Continuum Center, have developed, written and published a workbook, Designing Your Retirement. The workbook will be used in the Continuum Center's comprehensive preretirement planning programs. The workbook covers the personal aspects of the retirement transition as well as all the practical issues to be decided as people approach retirement. A program, using the workbook, is now being conducted for the Advanced Engineering Division at the General Motors Technical Center.
  - Two members of the Department of Mathematical Sciences, in conjunction with a former visiting associate professor, have solved an important problem in pure mathematics which had remained open for over 15 years. Steve Wright and Jack Tsui, along with A.J. Lazar, now of Tel-Aviv University, wrote A Cohomological Characterization of Finite-dimensional C\*-algebras for the Journal of Operator Theory.
  - Lawrence Orton, history, presented From Irredentism to Loyalty: The Poles and Emperor Franz Josef at the annual meeting of the Western Slavic Association in Portland, Oregon.
  - Roberta Schwartz, journalism, attended the Hemingway Conference at Boise State University. Her interview with author Jack Hemingway will appear in the Detroit Free Press book section. Her articles and photos of Grand Cayman Island were in the Oakland Press. Her story about Carlo Coppola, Center for International Programs, and his cooking skills appeared in The Detroit News.
  - David Housel, SHES, participated in the 19th annual National Congress on Aviation and Space Education in New Orleans. Speakers and workshops were intended to inform the 900 leaders in education, business and industry in attendance about the impact aerospace has on all aspects of society.
  - Sally Pierce and Jeanie Robertson, rhetoric, attended the Michigan Developmental Educators Consortium in Flint.

# Funding Opportunities

The Office of Research and Academic Development provides information about external funding sources. For details, call 370-3222 or visit 370 SFH. Unless stated, proposal due dates are unknown.

**Department of Education**  
Fund for the improvement of post-secondary education, May 2.

**Division of Nursing**  
Independent research support and Tran-

sition Award, June 1.

**National Institute on Aging**  
Forecasting life expectancy, September 25.

**Child Health and Human Development**  
Families of retarded children and adults, July 15.

**National Center for Health Services**  
Small grant for health services research, anytime.

**Environmental Protection Agency**  
Effects of chemicals on birds.

**Department of Transportation**  
Traffic control, May 1.

**Department of Labor**  
Labor-management relations.

**National Institute on Drug Abuse**  
AIDS and drug abuse, April 30.

# New Faces

- The Employee Relations Department lists the following personnel transactions for March.
- Kenneth Allard of Birmingham, an assistant golf pro and coach at Katke-Cousins Golf Course.
  - Michael Clark of Utica, a clerk I in the Office of the President.
  - Terri Darrenkamp of Clawson, a coordinator of cardiac rehabilitation at the Meadow Brook Health Enhancement Institute.
  - Shirley Green of Ortonville, a clerk II in the Office of Admissions and Scholarships.
  - Ethelmae Jones of Pontiac, a secretary II in Upward Bound.
  - Crispin Taylor of Westland, a lab research technician I in the Department of Chemistry.
  - Julianne Zebelian of Armada, a lab research technician II in the Eye Research Institute.



Republican gubernatorial candidates Richard Chrysler (standing) and Daniel Murphy (to Chrysler's left) outline their views for economic reform at a campus forum. The candidates both said they would work to revise the business climate in Michigan to stimulate economic recovery.

# Collaborative Aims at Teaching

Improved teaching is the goal of a new Oakland County Science-Math Collaborative that has won a \$60,000 grant from the State Department of Education.

The program is now under way with a science training component for teachers in grades four through six and a math component for teachers in grades seven through nine. School of Human and Educational Services faculty members David Housel, director of science education, and math educator John Orehovec coordinate the project.

Through cooperation with the Oakland Schools and an \$80,000 grant, Housel and Orehovec next year will expand the program so that both science and math workshops will cover all grades four through nine.

Partners in the collaborative are OU, Oakland Schools, Oakland Community College and Cranbrook Science Institute.

Housel said the project is part of a national effort to improve science and mathematics

education in the schools. Funding comes from the federal government passed on to the states.

Teachers in the Oakland County collaborative are selected for the workshops by the school districts. In science the focus is on special teachers who teach two or more classes in that field each day. The math component also is aimed at teachers who are teaching outside their major field or teachers who are returning to math instruction after an absence.

Housel says workshops are being held now through June with additional meetings set for fall. The training includes an evaluation to determine changes in classroom teaching methods and content.

Additional funding will be sought for what is called a "portal school" in which gifted teachers are given extensive training in workshop presentations. These teachers will then return to their schools and give similar workshops for other teachers.

# Commencement Plans Set

Five separate commencement ceremonies will be held June 7 at Baldwin Pavilion and in Varner Recital Hall.

The pavilion ceremonies will be School of Human and Educational Services, 9 a.m.; School of Business Administration, 12:30 p.m.; and College of Arts and Sciences, School of Health Sciences, Center for the Arts, and students receiving a Bachelor of General Studies degree, 4 p.m.

At Varner, ceremonies will be School of Engineering and Computer Science, 10 a.m.; and School of Nursing, 4 p.m.

President Joseph E. Champagne will participate in the Varner ceremonies and Senior Vice President for Academic Affairs and Provost Keith R. Kleckner will be at Baldwin Pavilion.

Assistant Provost Thomas Atkinson reports that 1,262 students are eligible to receive degrees.

Deputy marshals in charge of individual ceremonies are David Diltz, business administration; Ronald Sudol, arts and sciences; John Metzner, engineering; James Clatworthy, SHES; and Gary Moore, nursing.

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# Women's Group Hosts Jacqui

Psychic and television personality Jacqui Kendall will speak at the final general meeting of the year of the Women of Oakland University. The meeting will be at noon April 16 in the Oakland Center Gold Rooms.

Jacqui, as she is known professionally, will discuss parapsychology, astrology, numerology and other psychic phenomena. She combines her academic degrees with training in parapsychology to look into matters relating to the future, the psychic and the

extra-sensory world.

Jacqui is frequently a guest on *Kelly and Company* and other programs. She writes for publication and has a weekly feature on WXYT radio.

The meeting is open to the public. Lunch may be reserved in advance or participants may bring their own. Prior to Jacqui's presentation, there will be a short business meeting and election of officers.

To make a luncheon reservation, call Marion Bunt at 370-2244.

# OC, Library Alter Schedule

Special hours for the Oakland Center and Kresge Library will be in effect for the final exam period and the days between winter and spring semesters.

For the Oakland Center, extended hours are in effect on the following days:

- April 14-17 — 7 a.m.-midnight.
- April 20 — Noon-midnight.
- April 21-24 — 7 a.m.-1 a.m.

Oakland Center hours between sessions will be as follows:

- April 25 — 7 a.m.-9 p.m.
- April 26 — 7 a.m.-7 p.m.
- April 27 — Closed.
- April 28-29 — 7 a.m.-11:30 p.m.
- April 30-May 2 — 7 a.m.-9 p.m.
- May 3 — 8 a.m.-9 p.m.
- May 4 — Noon-11:30 p.m.
- May 5 — Regular hours resume.

At the library, hours will be:

- April 13 — 1 p.m.-1 a.m.

- April 14-17 — 8 a.m.-1 a.m.
- April 18 — 8 a.m.-8 p.m.
- April 19 — 9 a.m.-8 p.m.
- April 20 — 1 p.m.-1 a.m.
- April 21-24 — 8 a.m.-1 a.m.
- April 25 — 8 a.m.-5 p.m.
- April 26-27 — Closed.
- April 28-May 2 — 8 a.m.-5 p.m.
- May 3-4 — Closed.
- May 5 — Regular hours resume.

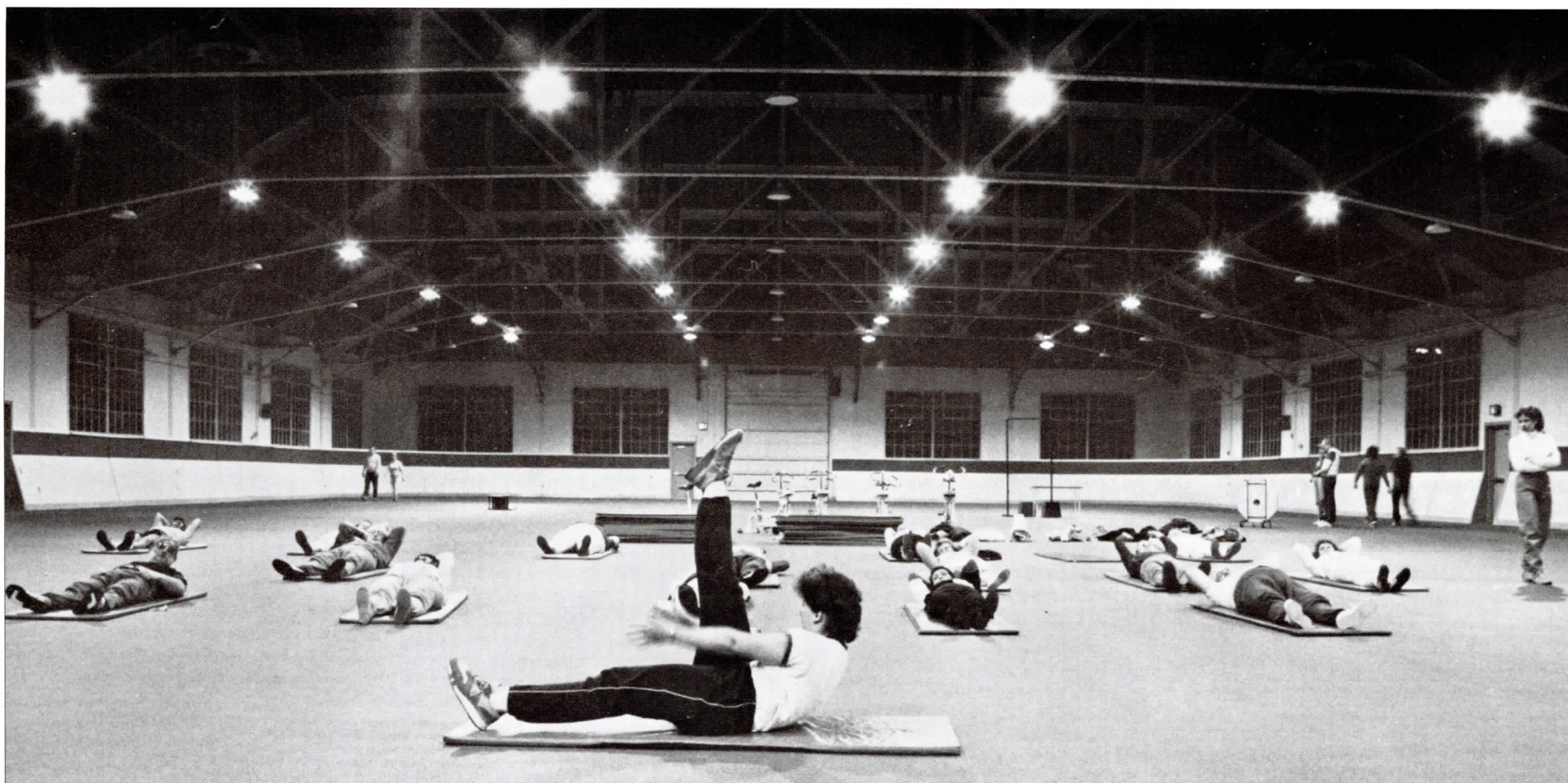
# Make it Flash #1

Rest assured, Telecommunications Manager Judy Wharry is adept at using the telephones. Due to an editing error, a portion of Wharry's first Phone Tips column included an incorrect symbol. Rather than Flash \* 1 to engage the camp-on feature of the telephones, use Flash # 1.

The Oakland University News is published every other Friday during the fall and winter semesters and monthly from June-August. Editorial offices are at the News Service, 109 North Foundation Hall, Oakland University, Rochester, MI 48063. The telephone is 370-3180. Copy deadline is noon Friday of the week preceding the publication date.

- James Llewellyn, senior editor and news director.
- Jay Jackson, staff writer.
- Ann Straky, photographer.





The Shotwell-Gustafson Pavilion is a favorite place for exercise programs.

## Word is Out: MB Center a Popular Place

Looks can be deceiving, as Fred Stransky knows very well.

To the passer-by, the Meadow Brook Center appears little changed from its days as a horse stable and riding ring. By summer, the exterior promises to be as attractive as the renovated interior.

The Meadow Brook Center includes the Meadow Brook Health Enhancement Institute in the former stable, and the Shotwell-Gustafson Pavilion in the former riding ring.

Stransky, an exercise physiologist who directs the institute, notes that despite some on-going construction, indoor programs are in progress. The response to the new surroundings from participants in either the clinical programs or the fitness classes has been "fantastic," he says.

"They can't say enough about it, even given the conditions of access to the building that we have," he says. Until exterior work can be completed, clients must use temporary gravel parking lots and make their way along temporary walkways. Stransky says the exterior will be painted and once all work is done, the transformation will surprise many.

Visitors will have a difficult time imagining that horses once stood where there is now the latest electronic equipment for monitoring heart beats. Where once there were exposed beams and dirt floors, there is now rich oak trim, carpeted floors and textured walls.

The move to the renovated buildings from Lepley Sports Center has provided Stransky and his staff with additional space for testing, analysis and conferences. More importantly, the institute attracts attention in the medical community as a resource for learning about exercise and nutrition and their ability to ward off illness.

"It's consistent with the role and mission of the university to educate. Prevention is education," Stransky emphasizes.

Participation in the programs depends on individual needs. In the pavilion, aerobics, walking and jogging are available to anyone and an adjacent exercise room offers the latest in progressive resistance exercise equipment for weight training. The pavilion will also be used for special events, such as large banquets.

On the clinical side of the institute,

classrooms and individual testing rooms are set up. Anyone may request the health maintenance programs, perhaps best known for the stress tests that Stransky promotes. Participants use a treadmill to determine their physical endurance. A physician monitors the tests and evaluates the results. The room is complete with a private dressing area and shower. In a nearby room, a large tank is being completed that will enable underwater weighing to determine the exact amount of body fat.

Also in the institute, persons meet for the cardiac rehabilitation program. Participants in this program must have a physician's referral. The goal of the program is to alter the lifestyle of a cardiac patient by providing information on nutrition and exercise.

Stransky says the Meadow Brook Center is unique. "I think it has tremendous potential for the university in terms of visibility," he says. "The university can excel in a number of areas...elements within the university can be nationally recognized."

The greater interest being paid to exercise and good health by the medical

community is already paying dividends for OU. The MBHEI now has two doctors who work full-time in a monthly clinical rotation program. The physicians use the facilities as a learning resource. Stransky says that already there is a waiting list of interested physicians.

Another element of the institute is outreach programs. The staff has become involved with area corporations to offer health and fitness guidelines to employees. That aspect is promising, Stransky says. Through both on-campus participation and off-campus programs, the institute will benefit several thousand persons each year. Participation is important for another reason — the Meadow Brook Center is not funded by the university, Stransky says. Its operating revenue must come from user-fees.

The institute is open from 6 a.m.-10 p.m. Monday-Friday and from 8 a.m.-6 p.m. Saturday. Open houses for the public, university employees, and the medical community will be held once all construction is completed.

For complete details about participating in any of the programs, call 370-3198.

## Barrier-free Campus a Goal of University

Without a lot of fanfare, but with great importance to many on campus, some barriers are coming down.

Handicapped persons and others with limited mobility are finding it easier to maneuver their way to classes and events these days. The reason is that a concerted

effort is being made to eliminate barriers — whether large-scale or seemingly minuscule.

Jean Colburn of the Office of Special Advising says the changes, although meant primarily for handicapped persons, tend to benefit all who come to campus.

"Most of the things that will help the handicapped will help everyone," she explains. "A lot of these accommodations are just useful." She cites the curb cuts for handicapped persons and the ramps that lead into some buildings. To prove her point, she points out how frequently the nonhandicapped use the ramps or walk through the curb cuts.

Colburn, who works closely with handicapped students, relays their concerns to members of a standing committee that considers ways to remove barriers. The number of handicapped students on campus is not recorded, but Colburn says about 50 have asked her for assistance of some kind this academic year.

Colburn serves on the informal Handicap Accessibility Committee with George Catton, director, and Richard Moore, associate director, of Campus Facilities and Operations; John Solo Rio, campus architect; and Catherine Rush, director of the Office of Equal Opportunity.

As might be expected, the list of ideas for improvements usually exceeds the available funds. Curb cuts alone can cost \$700 to \$1,000 and a permanent ramp, such as the one at Lepley Sports Center, can cost \$7,000, Moore says. Other items are inexpensive,

such as braille signs to designate elevator buttons.

Colburn adds that improvements over the years have also included additional spaces for the handicapped in parking lots, the elevator in the Oakland Center, renovated restroom stalls, and drinking fountains accessible to persons in wheelchairs. This summer the main parking lot in front of North and South Foundation Halls will be resurfaced to eliminate the numerous potholes.

When speaking of the handicapped, Colburn says, it should not be assumed that all are in wheelchairs. Persons with limited strength or vision problems are also affected. The doors to some buildings, she says, create their own difficulties.

"The doors on campus are hard for me to open," she says. "For a person in wheelchairs or with limited strength, it can be quite a problem."

The possibility of automatic door openers for some locations is being explored.

One of the most visible barriers are the turnstiles at Kresge Library. They will soon be replaced, however, by a light-weight bar at the entrance and exit. Colburn says handicapped persons have long complained about the inconvenience of getting into the library.

When the library expansion project is complete, patrons will see few barriers, if any. Colburn says Dean Suzanne Frankie and her staff have been helpful in reviewing plans with the committee to ensure that barriers are not built into the new wings.

Student involvement has been important

in planning the library, Colburn says. "Sue Frankie and I notified all handicapped students and let them know we were having a meeting about it," Colburn says. "Some who couldn't make it called and said, 'I'd like to see this.'" All of the suggestions were considered.

"We're at the point now that I doubt whether anything would be modified without first asking the students."



Jean Colburn



The turnstiles at Kresge Library — a source of complaints — will soon be removed.

Student opinions have already saved the university money. When some modifications were being considered for Lepley Sports Center, the mobile committee members had their ideas, but the handicapped students suggested an easier way that also saved thousands of dollars.

Committee members take their task seriously, Colburn notes, and want to help handicapped students as much as possible. "We sit around and try to think of ingenious ways to solve problems," she says.



# Distaste for Gramm-Rudman Shows at Hearing

If Gramm-Rudman-Hollings were a nightclub act, it would have closed after the first performance due to poor reviews, if comments at a hearing organized by Upward Bound are any indication. Those who attended did their part to pan the law as dangerous to higher education.

The hearing March 31 in the Oakland Center attracted a smattering of students and representatives of several senators and representatives. Representative Bob Carr, who is opposed to the deficit-reduction law, said it passed because of "political gridlock" in Congress about how to reduce the federal budget. Gramm-Rudman requires Congress to balance the federal budget by 1991.

Although Gramm-Rudman will lead to budget cuts, they will not be across-the-board. Spared from reductions are Social Security, veterans' pensions and compensation, Medicaid, Aid to Families with Dependent Children, and interest on the national debt. Already Gramm-Rudman has

reduced federal spending in some areas by 4.3 percent, but the major cuts will not come until the next fiscal year.

Officials in higher education fear that if 25 percent to 30 percent cuts are made in domestic programs, as is threatened, the losses to education will be catastrophic.

"This Gramm-Rudman thing...is real radical, it's real drastic," Carr said. He suggested that Congress raise taxes to slice the deficit and cut defense spending. If no alternative is found, Carr said, about one million federal employees will be laid off.

Gramm-Rudman's effects will be felt sharply in domestic programs such as education, Carr said, because not all of the federal budget can be cut. Carr explained that the government must honor long-term contracts and provide funds to meet those obligations.

If cuts are made in education, programs like Upward Bound and student aid could be reduced or eliminated. Losses would also

come from reductions in research funds and other programs.

According to Dean of Students David Herman, \$214,000 in federal Pell Grant funds for OU students could be lost next year. That would mean 190 students would lose their eligibility entirely and about 295 would face some reduction.

The federal deficit is now about \$200 billion and Gramm-Rudman seeks to reduce that to \$144 billion in the 1986-87 fiscal year beginning October 1. Carr said a more realistic figure would be \$165-170 billion.

The Gramm-Rudman bill, Carr said, is an extension of the Reagan administration's belief that supply-side economics would eliminate the deficit by providing prosperity. Resurrecting a quote from the Kennedy administration, Carr modified it by saying, "A rising tide lifts all boats, except those firmly anchored to the bottom."

Carr blamed the popularity of the deficit-cutting mood on media attention. Until last August, he said, the "body politic" was not concerned with the deficit to the extent it is today. Organizers of the Gramm-Rudman movement capitalized on that media blitz, he said, by forcing the budget-reduction act through Congress when, at the deadline, it had to approve a debt-ceiling limit increase. Due to partisan politics, Carr claimed, the "gimmicky" Gramm-Rudman bill made it

through Congress in less than three days without careful study or hearings.

The vote for the bill created some unusual situations. Liberal Michigan Senators Carl Levin and Donald Riegle differed — Levin favored the bill and Riegle was opposed. Some conservatives thought it would result in dismantling the Great Society programs of the Johnson era, while liberals thought it would force a tax increase to chip away at the deficit, Carr said.

The underlying problem, according to Carr, is that Congress lacks the will power to tackle the deficit problem itself.

Court challenges to Gramm-Rudman are now being heard. A key dispute is whether the responsibility for making budget decisions can be shifted from Congress to the controller general, as Gramm-Rudman requires if Congress does not act.

Professor Harold Hotelling of the School of Business Administration commented that Gramm-Rudman has reacquainted Congress with the idea that public spending involves scarce resources. "The effect of Gramm-Rudman will be with us for some time to come. Budget cutting is in the air," Hotelling said.

Students who attended the hearing were uniform in their opposition to Gramm-Rudman.



Osa Jackson, left, director of the physical therapy program, meets with Jane Matthews, president of the American Physical Therapy Association. Matthews visited OU to talk about the changing educational needs of physical therapists and to offer suggestions for the OU program of the future.

## Mimes Give Children's Show

Children ages 6-12 may get their Zoophabreaks from the Mime Ensemble in daily 1 p.m. performances from April 21-26. The shows will be in Varner Studio Theatre.

"Zoophabreaks presents a novel approach to vowels and their usages in language," says ensemble Artistic Director T. Andrew Aston, who also produced the show. "Each vowel is represented in this production by a large, colorful creature that mimes and dances its way around Professor Windbag as he tries to round it up for his lecture."

Language issues, such as what vowels are, how they are made and how they are used, are the essential elements in this play. The interaction between the performers and the children in the audience gives the audience a strong sense of performance

participation.

"The original musical score, written by OU alumnus M'arch McCarty, who is currently with the Michigan Opera Theatre, is charming, silly and just plain enchanting," Aston says. "It has been common for children to leave the performance singing melodies from this production."

The premiere of Zoophabreaks was the Meadow Brook Music Festival in June 1985. Alumna Janet Marie McCarty directs the show with a script by alumna Patricia Nolan. Zoophabreaks has toured throughout the state with engaging results, Aston says.

Tickets are \$4 for adults and \$2 for children and senior citizens. Special group rates are also available. For details, call the Center for the Arts box office at 370-3013 from 11 a.m.-5 p.m. weekdays.

## Mathematicians Coming to OU

Oakland University will host mathematicians from throughout the United States in a conference on *Partial Differential Equations and Applied Mathematics* to be held May 17 under sponsorship of the Department of

Mathematical Sciences.

Guest speakers will come from the University of Illinois, University of Delaware, Tulane University, and the Massachusetts Institute of Technology.

The conference has been organized by professors John W. Dettman and Louis R. Bragg whose research area is differential equations. Each has been active recently.

Bragg's paper *Quasi Inner Products of Analytic Functions with Applications to Special Functions* was published in Volume 17 of *The S.I.A.M. Journal on Mathematical Analysis* (1986). Dettman presented *Constructions of Function Theories for the Yukawa and Helmholtz Equations Using Transmutations* at the Conference on Function Theoretic Methods in Partial Differential Equations at Oberwolfach, Germany, in November. He has also published *Analysis of the Abstract Euler-Poisson-Darboux Equation Using Transmutation* in a recent issue of *The Mathematical Chronicle*.

## Student Places in Top 200 in U.S.

Senior Linda Sattler scored in the top 200 of the 1985-86 William Lowell Putnam Mathematical Competition.

The annual competition, which consists of an all-day written examination covering advanced undergraduate mathematics problem solving, draws over 2,000 participants from several hundred colleges and universities in the United States and Canada. The competition is regarded as the primary measure of excellence among top undergraduate students in mathematics.

Only four other students in Michigan, two each from the University of Michigan and Michigan State University, achieved this high ranking.

Sattler is a mathematics major and will attend the Claremont Graduate School next fall for an advanced degree in applied

## Tax Aid Available

Now is the time to plan tax-advantaged investments for the 1986 income tax year. The Division of Continuing Education has opened enrollment in the Tax Planning Strategies course in the Certificate Program in Personal Financial Planning to members of the university community.

The noncredit 10-session course begins April 22 and will meet Tuesdays from 7:30-9:30 p.m. The course will be taught by five principals from Touche Ross & Co. Tuition is \$195. Call 370-3120 to register.

## Home for Rent

An eight-room house at 437 S. Adams Road is available for rent to OU employees. The home will be available May 1. Priority will be given to the employee with the longest service to the university. For details, call Kate Lark at 370-4196 by April 18.

### CULTURAL

- April 11 — Detroit Contemporary Chamber Ensemble, 8 p.m., Varner Recital Hall. Music by David Amram, Glenn Gass and Bela Bartok. Call 370-3013 for tickets.
- April 11 — OU Chorus, Orchestra and soloists, 8 p.m., First Presbyterian Church, 1669 W. Maple Road, Birmingham. All-Beethoven program. Call 370-3013 for tickets.
- Through April 20 — *The Good Doctor* at Meadow Brook Theatre. Call 377-3300 for times and tickets.
- April 12 — One-act Play Festival, 10 a.m.-4 p.m., 133 Varner Hall. Free. Call 370-3013 for details.
- April 12 — Auditions for *Carousel* to be presented June 13-22 at OU. The call is out for singers, dancers and actors, and children. Call 370-3018 to arrange your audition time.
- April 13 — Concert Band, 3 p.m., Varner Recital Hall. Free. Call 370-3013 for program details.
- April 16 — Afram Jazz Ensemble, 8 p.m., Varner Recital Hall. Free. Big Band jazz for all. Call 370-3013 for details.
- April 18 — Master dance class with Bill Evans, 1-3 p.m., Varner Hall Dance Studio. Free to all OU students and students in the evening community dance classes, and \$5 to others. Sponsored by the Department of Music, Theatre and Dance. Register by calling 370-3010.
- April 18-19 — Meadow Brook Estate spring concerts, Varner Recital Hall. For times and tickets, call 370-3013.
- April 20 — Lutenist David Rogers, 8 p.m., Varner Recital Hall. Free. Works by Borrono, Dowland, Dalza, Kapsperger and Francesco Da Milano. Call 370-3013 for details.
- April 21-26 — Zoophabreaks with the Mime

## Events

- Ensemble, 1 p.m., Varner Studio Theatre. Call 370-3013 for tickets.
- CONFERENCES**
  - April 12 — Pontiac Area Black Family Conference, 8 a.m.-3 p.m. at the Whitmer Human Resource Center in Pontiac. Sponsored by the Ken Morris Labor Studies Center and the Coalition of Black Trade Unionists. Free. For details, call 370-3124.
  - April 19 — Fifth annual Sewing Seminar, O'Dowd Hall and the Oakland Center, 9 a.m.-4 p.m. Speaker: Suzy Farbman, fashion journalist/editor of *The Detroit News*. Sponsored by the Division of Continuing Education. Call 370-3120 for details. Register by April 14.
  - April 19 — Bridging the Gap Between Men and Women in the Workplace, 9 a.m.-4 p.m., UAW Region 1B, 711 E. 13 Mile Road, Madison Heights. Fee, includes lunch. Sponsored by the Ken Morris Labor Studies Center, the Union Minorities/Women Leadership Training Project and the UAW Region 1B. For details, call 370-3136. Registration by April 15 is preferred.
  - April 26 — Conference for Office Workers, 8:30 a.m.-4 p.m. Fee required. Registration by April 10 preferred. Sponsored by the Ken Morris Labor Studies Center. For details, call 370-3124.
  - April 28-May 1 — China Update: The Four Modernizations, Meadow Brook Hall. No registration fee but lunch is \$10 each day. Numerous speakers will attend. Sponsored by the Center for International Programs, the Alumni Association and the College
- of Arts and Sciences. Additional support comes from the Wade Trim Group and Vickers, Inc. To register, call 370-2154.
- April 28-30 — Conference on Intelligence Systems and Machines. Sponsored by the Division of Continuing Education and the School of Engineering and Computer Science. For particulars, call 370-3120.
- April 29 — Overcoming the Superwoman Syndrome: Working Your Way Out of Burnout, 9 a.m.-4 p.m. Sponsored by the Continuum Center and the Division of Continuing Education. Call 370-3033 for fees and details.
- COURSES**
  - Various courses are offered by the Division of Continuing Education. For the full schedule of classes, call 370-3120.
  - The Continuum Center has workshops and seminars on numerous topics. Call 370-3033 for a brochure.
  - April 23 and May 7 — Seminars concerning the Merit Network and the Honeywell Multics computer. Call Joan Pistonetti at 370-4320 for information.
- FILMS**
  - April 15 and 17, or April 16 only — Two-part series, *The Secretary and Her Boss*, to improve office efficiency. Showings at noon-1 p.m. April 15 and 17, or 1-2:30 p.m. April 16 only. Presented by the Employee Relations Department and the AP Assembly for all staff members. Free. Call 370-3480 for details.

- April 23 — *Hired Hands*, noon-1 p.m., 126-127 Oakland Center. Free. Sponsored by the Women of Oakland University and UAW Local 1925.
- April 30 — *In Defense of Sacred Land*, noon-1 p.m., 126-127 Oakland Center. Free. Sponsored by the Women of Oakland University and UAW Local 1925.

### LECTURES

- April 11 — Rock and roll historian and composer Glenn Gass, 1 p.m., 109 Varner Hall. Sponsored by the Department of Music, Theatre and Dance. Topic: *Roots of Rock and Roll*. Free. Call 370-2030 for details.
- April 16 — Psychic Jacqui Kendall, noon, Oakland Center Gold Rooms. Free for brown baggers, but there is a fee for the reserved luncheon. Sponsored by the Women of Oakland University. Call Marion Bunt at 370-2244 for details.
- April 17 — *Days vs. Dollars* — *When Should I Retire?*, with speaker Thomas J. Northey, retired consultant to the Michigan Education Association, 3-5 p.m., 156 NFH. Sponsored by the Credit Union and the Employee Relations Department. Free. Call 370-3545 for details.

### TOURS

- June 1 (approximately) — Sunset Terrace will be open for tours until the fall conference season begins. Watch for further announcements about the exact date and tour schedules.
- Sundays — Meadow Brook Hall is open from 1-4 p.m. for browsers. No reservations needed. Call 370-3140 for details about this and other tours.
- Send calendar items to the News Service, 109 NFH.