

OU NEWS

Growing Old Explored

A genetic timeclock within each human being may be reset to prolong the adult years and delay aging, molecular biologists maintain.

Nationally known experts in this emerging field of research will meet in Meadow Brook Hall November 2-4 to discuss their work in "Aging: A Biochemical Perspective."

"There have been many meetings on the physiological aspects of aging but this is the first conference devoted entirely to the biochemical perspective, the area in which there has been the least amount of work," explains conference coordinator Bandana Chatterjee. She is an OU biochemist and an assistant professor in the Department of Chemistry, whose own work is supported by the National Institute on Aging.

"The molecular biology of aging theory holds that aging is a genetically programmed process that begins before birth, continues throughout the life of the organism and terminates with death," Chatterjee says.

"The molecular biologists feel that

some day we will be able to reprogram those internal clocks and prolong the productive middle years of life."

The Meadow Brook Hall conference lecturers include Richard Adelman, director of the gerontology center at the University of Michigan and a pioneer in work on cellular aging; George Roth, senior scientist with the National Institute on Aging; Arun K. Roy of OU, internationally known for his work on hormones and aging; Vincent Cristofalo, director of the gerontology center, University of Pennsylvania; Lawrence Loeb, professor and director of pathology, University of Washington and an expert in DNA studies; Samuel Goldstein, director of the gerontology center, University of Arkansas; Donald Cummings, an expert on genes and biological senility, University of Colorado; Earl Stadtman, chief of biochemistry, National Heart, Lung and Blood Institute and a member of the National Academy of Sciences; Morton Rothstein, State University of New York at Buffalo, author of **Biochemical Approaches to Aging**; and Richard Cutler, senior scientist, National Institute on Aging.

Enrollment Sets Record

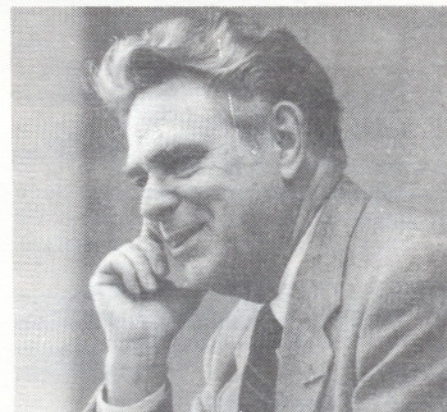
Fall enrollment at OU has set a record, reaching 12,084 full- and part-time students.

The figure is up 363 students from the fall 1982 total and is 78 more than the previous record of 12,006 students achieved in the fall of 1980. University officials said undergraduate enrollment was up 308 students over last fall and graduate enrollment climbed by 55 students.

A trend toward fewer credits per student was noted. Total credits this fall are at 123,351, down 30 from last fall despite the increase in students.

The number of freshmen is 1,271, down 18 from the total admitted in the fall of 1982. Much of the undergraduate headcount increase this fall came from new transfers and post-baccalaureate students (those with one undergraduate degree returning for an additional course or two).

The university's enrollment report to the state is cited as Fiscal Year Equated Students. The figure is determined by taking the total number of credits delivered at the undergraduate and graduate levels and dividing each total by the number of credits a full-time student would take. OU FYES total for this fall is 4,089, the same as last year.



George T. Matthews

Matthews Adds 'Silver' Duties

Charter faculty member and administrator George T. Matthews has found yet another way to serve the university—he has agreed to chair the Silver Anniversary Planning Committee.

"I am very pleased to announce that George T. Matthews has agreed to take on this significant assignment," said President Joseph E. Champagne. He said the committee membership will involve all facets of the university community. Committee membership and additional anniversary details will be announced in subsequent issues of the **OU News**.

Since coming to OU in 1959 as an associate professor of history, Matthews has had an impact on nearly all aspects of university life. He has served the institution as a professor, department chairperson, associate dean for humanities, dean of arts and sciences, vice provost, and from November 1979 to February 1981, was interim university president.

After a leave of absence, Matthews returned to teaching, his first love, and has been back in the classroom since last fall. He plans, as part of the 25th anniversary process, to prepare a history of Oakland University.

The Rise of Lapham: The Fall of Howells, a paper by Maurice F. Brown, English, is published in the current issue of **The Journal of American Culture**. Brown analyzes William Dean Howells' failure to rise to the artistic and ethical challenges of the plot of his most famous novel. A second paper, **Autobiography and Memory: The Case of Lillian Hellman**, has been accepted for winter publication in **Biography: An Interdisciplinary Quarterly**.

Barbara Murphy, equal opportunity, conducted a workshop September 28 at the seventh Southeastern Michigan Conference on Equal Opportunity at Wayne State University. She spoke about new strategies for implementing affirmative action programs. The conference was for business, industry, labor and government representatives who wanted to learn more about achieving equal employment opportunity.

Munibur Rahman, Hindi-Urdu, published a volume of original Urdu poems entitled **Shahr-I Gumnam (The Unknown City)**. His translations of three Persian poems, **Story, Poverty and Tree Toad**, which appeared earlier in **International Poetry Review**, have been selected for inclusion in the 1984 edition of **Anthology of Magazine Verse and Yearbook of American Poetry**, to be published by Monitor Book Co.

Two book review essays by Robert Goldstein, political science, have been published. The first, reviewing Michael Belknap's **American Political Trials**, appeared in the March issue of **Reviews in American History**. A second, reviewing Athan Theoharis' **Beyond the Hiss Case**, appears in the fall issue of the **Journal of American History**.

E.J. Heubel and William Macauley, political science, authored **Microcomputers in Measurement and Methodology** for the summer issue of **News for Teachers of Political Science**. It is a publication of the American Political Science Association. The summer issue focused on microcomputers in political science courses.

Turn In Pay Slips

The Payroll Department has announced the deadline for longevity payroll transactions is 5 p.m. Tuesday, November 1. The pay date will be December 1. Deadlines for other November and December payrolls will be announced in the next issue of the **OU News**.

Faculty Notes

A book of linked poems in Japanese and English, **Rocking Mirror Day-break**, has been published by Chikuma Shobo in Tokyo. Tom Fitzsimmons, English, and Makota Ooka, who was in residence at OU in 1981, are the co-authors. One of Japan's most important composers, Toru Takemitsu, featured in the August 1 **Time** magazine, wrote a suite for two violins that as inspired by the book. The musical piece will debut at Carnegie Hall in New York City on November 20. The composer plans to write two more selections based on the book next year.

Donald E. Morse, rhetoric, communications and journalism, gave two lectures on the **Book of Job** to 200 Birmingham Seaholm High School students in the FLEX program. The FLEX program has run for more than a decade and often featured OU faculty.

Karl D. Gregory, economics and management, has been appointed to the Oakland County Business Attraction and Expansion Strategy Planning Committee by Daniel Murphy, county executive. Gregory has also been appointed by Gov. James Blanchard to the Research and Technology Industry Working Group, which advises the Governor's Commission on Jobs and Economic Development. The state Department of Commerce has also requested Gregory to chair a committee to select the minority recipients for awards in outstanding business success in the last year.

Richard Kanost, political science, spoke to a joint meeting of the Troy and Royal Oak chapters of the League of Women Voters on September 8. He talked about the background and implications of current arms limitation and control proposals, one of the national issues the league has selected for study this year. He made the same presentation to the Rochester area chapter in May. Kanost has also been elected treasurer of the Michigan chapter of the International Personnel Management Association.

James Ozinga, political science, presented a paper, **The Context of Solutions**, at an energy policy symposium at the American Political Science Association meetings in Chicago from August 31-September 3. He also spoke about love at the First Presbyterian Church in Pontiac on September 18 and 25.

Letter

Show Support

Dear University Colleague:

In the next few days you will be receiving from one of your colleagues the material that provides an opportunity for you to contribute to the UNITED WAY. All of us recognize the severe pressures that have been placed on the community in which we live by today's economic difficulties and we have been asked to respond. Earlier this year Oakland University distinguished itself in its contributions to POUCH and we are now at the time when we can join together to aid many persons who are helped by UNITED WAY Agencies.

Thanks to the UNITED WAY of Pontiac, more than 100,000 people in 1982 were provided assistance through the 57 member agencies. Responding to urgent community need, the UNITED WAY provides special outreach programs and emergency support. Many of our employees were assisted through UNITED WAY of Pontiac and this is our opportunity to see that these services continue.

In the not too distant future, Oakland University will announce a development campaign and will look to this same community that now looks to us for support. I urge you to give consideration and top priority to the UNITED WAY CAMPAIGN and appreciate your giving.

Sincerely,
Joseph E. Champagne

Lecture Looks At Computers

Edward Heubel, political science, will demonstrate three utility programs for the Apple II computer during the College of Arts and Sciences' lecture series Thursday, October 27.

The "user-friendly" programs can be used separately or together for class presentation or "hard copy" handouts. Heubel will demonstrate how the DB Master program can be used to store data and generate reports. The same data will be analyzed by the StatsPlus program and then be displayed on "slides" created by the Executive Briefing System program.

Other teaching applications will also be discussed during the noon-1 p.m. demonstration in 207 O'Dowd Hall.

Faculty Eligible For Grants

Two competitions for Biomedical Research Support Grants have been announced by the Office of Research and Academic Development. The first competition is for investigator-initiated research proposals, with awards to average \$3,000. Some awards may be higher for exceptional circumstances. The second competition

will emphasize purchasing major pieces of equipment to be used in biomedical research by more than one investigator.

Applications for the first competition must be submitted by 4 p.m. Friday, November 4 to the Office of Research and Academic Development, 370 SFH. The deadline for the second competi-

tion has not yet been set, but is targeted for February.

Proposals are invited for the first competition for support of biomedical research, such as pilot research, new investigators, unexpected research requirements and emergencies, continuation of research during temporary interruptions of grant support, emerging research opportunities, investigations in new fields and in fields new to the investigator, and research opportunities for minorities and women. The program objective is to strengthen and enhance the research environment of institutions engaged in health-related research and to enhance the investigators' ability to get external support for their work.

Nine copies of detailed applications, including a proposal narrative and budget outline, must be submitted. Complete application details are available at the Research and Academic Development office. Questions may be directed to Barry Winkler, associate director; or to any of the grant advisory committee members: Kenneth Harmon, Theodore Landau, Abraham Liboff, Charles Lindemann, Arun Roy, Hitoshi Shichi or Lynn Williams.

Scientist Bullish On Find

Basic discoveries about sperm activity that could some day aid childless parents and increase dairy and beef herd productivity have been made by an Oakland University cell biologist.

Writing in the 1983 issue of the journal **Cell Motility**, Charles Lindemann reports on his laboratory work that has demonstrated for the first time that a cellular protein and another cell compound, cyclic adenosine monophosphate, are keys to the control of sperm activity.

Actively swimming sperm are essential for fertilization, Lindemann says, and the eventual ability of clinicians to control this action or stimulate it would have great consequences. For example, of Americans unable to bear children, approximately 60 percent of the cases involve males with sperm deficiencies, Lindemann says.

In addition, he points out that the American dairy industry depends almost entirely on artificial insemination. The ability of a champion bull to produce more active sperm could lead to improved dairy and beef herds and help alleviate hunger.

Lindemann, a basic researcher, is one

of those scientists who discovers how cells work and why they may go wrong so that others can develop clinical applications later on animal or human patients.

The OU researcher explains his discovery more fully: he was able to demonstrate that the activity of bull sperm is controlled by a cellular protein and show that this protein is regulated by the compound cyclic adenosine monophosphate (cAMP). This compound (cAMP) is found in many cells and is usually an important agent in regulating cell metabolism, but Lindemann is the first scientist to show conclusively that sperm cell swimming is also regulated by such a mechanism.

Lindemann says he was able to demonstrate the effect of cAMP on sperm by a technique of "washing" a sperm cell clean of its protective membrane so that the compound could enter the cell and act on the sperm without interference.

Since making his discovery, Lindemann has begun working with Arun K. Roy, an OU protein biologist, to purify and characterize the protein that is responsible for increasing the sperm activity.

Talks Eye Weapons

The OU community and the public are invited to a free lecture series on "Nuclear Weapons and National Security" starting November 1 on campus.

The lectures will be at 8 p.m. Tuesdays in Room 128-130 of the OC. The first three speakers will be OU faculty members. The topics are:

—November 1, James Ozinga, political science, "National Security from the Soviet Point of View."

—November 8, Lawrence Orton, history, "Yalta-Helsinki-Madrid: American Non-policy Toward Eastern Europe."

—November 15, Vincent Khapoya, political science, "Conventional Deterrence or Nuclear Freeze: Which Way Stability?"

—November 22, Conrad Brunk, director of the Center for Peace and Conflict Resolution, University of Waterloo, Ontario, Canada, "Political Realism and Nuclear Arms."

Additional seminars are scheduled for the winter semester. For information, call Richard Burke, philosophy, at 377-3390.

Aerobics: Time To Waist

Men and women trying to win the battle of the bulge can plan to attend an aerobics exercise program.

Classes are held in six-week sessions at Lepley Sports Center. The second session of the current 12-week program begins November 8 and continues through December 20.

Orientation, which must be attended by beginners, will be November 3. Classes are held twice weekly at 7:15 a.m. and 5:30 p.m. The afternoon session is when the Women of Oakland University group will participate. The cost is \$20 for each six-week session but there is no charge for persons enrolled in the OU health maintenance program.

The program aims to improve participants' cardiovascular system fitness through vigorous exercise. Classes include a 30-minute warmup with exercises set to music. Following that, participants choose from continuous vigorous exercise done to music, brisk indoor walking or running with music, brisk outdoor walking or running, or swimming when the pool is available.

The program also has lectures about nutrition and diet, exercise physiology and basics of exercise safety, progression and effectiveness. The sponsors recommend participants obtain their physician's approval before enrolling. For details, call Sally Peters at 377-3197 or 377-3198.

Diversions

October 20-30

"Cyrano de Bergerac"
MB Theatre

October 20

Gospel Choir rehearsal
6 p.m., OC Heritage Room

"Love, Sex and Friendship" workshop
7 p.m., OC West Crockery

October 21

Women's volleyball
Grand Valley State College
7 p.m., Lepley Sports Center

22nd annual Writer's Conference.
1 p.m. OC

Film, "My Favorite Year"
2:15 p.m., O'Dowd Hall
7 and 9:30 p.m., 201 Dodge Hall

October 22

22nd annual Writer's Conference
8:30 a.m., OC

Women's volleyball
Ferris State College
1 p.m., Lepley Sports Center

"Toolbox for Performers" workshop
1 p.m., Barn Theatre

Film, "My Favorite Year"
2:15 p.m., 201 Dodge Hall

October 23

Film, "You Can't Take it with You"
7 p.m., 201 Dodge Hall

October 27

"Computers in the Classroom" lecture
Noon, 207 O'Dowd Hall

Coffeehouse, "Israel Cafe"
8 p.m., OC Abstention

October 28

Film, "The Thing"
2:15 p.m., 202 O'Dowd Hall
7 and 9:30 p.m., 201 Dodge Hall

"The Use of Word Processing and
Computers in English" lecture
3:30 p.m., OC Oakland Room

October 29

Film, "The Thing"
2:15 p.m., 201 Dodge Hall

October 30

Film, "Dead of Night"
7 p.m., 201 Dodge Hall

November 1

Student-faculty photography exhibition
11 a.m., OC Gold Room A

November 2-4

"The Magnificent Yankee"
8:30 p.m., MB Theatre

Alumni Dial For Cash

The OU Alumni Association is asking volunteers to lend a hand—and an ear—to the eighth annual Telefund in November.

Sponsors of the month-long telephone campaign hope to raise \$84,000 for various university programs that benefit students and faculty. About 600 volunteers are needed to make phone calls all over the U.S., address envelopes and handle other clerical duties each weeknight.

Callers will contact alumni from 6:30-9:30 p.m. weeknights from a phone bank at the Katke-Cousins Golf Course clubhouse. Additional phones on campus will be used if enough volunteers are available.

Joan Stinson, Alumni Relations director, said from 15,000-16,000 phone calls will be made. On the phones will be alumni, faculty, staff and students trying to raise money for a number of programs.

Donors may give unrestricted gifts or designate their contributions for such choices as the library, scholarship and research grants and loans, advising funds, individual projects, and academic departments. This year, 75-

80 departments benefitted from funds raised during last year's campaign, she said.

Volunteers include groups from particular academic areas, such as engineers, who raise money for their former schools and programs. Student groups are also involved, Stinson said. All compete for prizes to be awarded to the most productive callers.

The \$84,000 goal is a part of the \$165,000 total the Alumni Association hopes to raise this year. Last year's phone campaign reached its \$70,000 goal.

The campaign is chaired by Richard Wlodyga, Alumni Association vice president. Other campaign leaders are Gerry Alt, volunteer chairperson; Cheryl Lewis and Marion Carlson, prize co-chairs; and Lynn Noel, student volunteers coordinator and president of the Undergraduate Student Alumni Association.

Volunteers are still needed and should specify the night they are available and whether they are willing to make calls or handle clerical duties. To volunteer, call the Alumni Relations office at 377-2158.

Ethics In Science

Ethics in science and theology will be discussed at an open meeting at 4:30 p.m. Thursday, October 20 in the OC Lounge II.

The OU Chapter of Sigma Xi, the Scientific Research Society, will sponsor the meeting. Donald Hildum and Michael Riley will outline some of the issues, their ramifications and implications for society. Discussion will be led by Christopher Maloney, Gil Wedekind and Peter Bertocci, who will provide perspectives of broad interest that will also lead off general debate.

Wine and cheese will be served.

OU Honors 254

OU employees with 10 and 20 years of service to the university will be honored at Employee Recognition and Reception programs November 8 and 10 in the OC Crockery.

The university will individually recognize 254 persons representing all employee groups during the 7 p.m. ceremonies each evening. President and Mrs. Joseph E. Champagne will be hosts for the programs that will begin with a recognition ceremony and be followed by a general reception.

News Notes

Deans Visit OU

OU hosted the fall meeting of the Michigan Council of Graduate Deans at Meadow Brook Hall on October 17.

George F. Feeman, vice provost and dean of the Graduate School, said approximately 20 members from public and private Michigan institutions which offer graduate work attended. The council is chaired by Dean Laurel Grotzinger of Western Michigan University.

The council discussed methods of maintaining standards and the treatment of deficiencies, the response of the graduate deans to the Governor's Commission on Higher Education, and the relationship between graduate schools and institutional research activities. A committee was appointed to review non-traditional graduate programs and problems which exist in that area.

Bloodmobile Coming

A goal of 800 pints has been set for the annual OU Blood Drive scheduled for Monday through Wednesday, October 24-26 in the OC Crockery.