



# OU NEWS

## Scientist Studies Healing

Continued exposure to low-level electromagnetic frequencies, even those emitted by transmission lines, can have an effect on human tissue, an OU physicist has learned.

That effect can be beneficial and stimulate healing of human bone fractures, but some recent studies also suggest an increased risk of fatal leukemia, Abraham R. Liboff says.

Liboff has just returned from two years with the Navy Medical Research Center in Bethesda, Md., where he studied the electromagnetic stimulation of bone healing and the possible biological implications of ELF, the proposed Navy submarine communication system causing controversy in Michigan and Wisconsin.

Liboff has long been interested in the electromagnetic interaction with human tissue and in the early 1970s assisted in a New York operation where a boy's congenital bone defect had resisted all methods of healing. Electrodes were inserted in the limb and a small electric current passed through. The limb knit. Since that time, approximately 20,000 such cases have been treated electrically, Liboff says.

This is now an accepted operating technique although how the process works is still a mystery, the researcher says. Liboff's Navy work consisted in part of breaking down and studying the wave forms used in these surgeries. He found that no specific wave form was crucial for the healing effect to take place, contrary to the claims of some firms who have patented devices for use in these operations.

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Author Arthur Schlesinger, Jr. shares a laugh with visiting Assistant Professor Richard Weissman, political science, during his visit to campus last week. For details on Schlesinger's visit, turn to page 2.

## All Snow, It's No Go

University officials ask that employees be aware of the conditions under which "weather emergencies" will be called this year.

The university policy states that classes and offices will be closed, depending on the severity of the weather. Only the president or his designee may close offices or cancel classes. University faculty and staff are not authorized to do so independently.

The following steps are followed by the university when emergencies are declared:

—If an emergency is declared before 6 a.m., all university offices will be closed and classes will be canceled unless the president notifies his vice presidents that administrative offices are to remain open. If offices are to remain open, then each vice president must notify employees in his or her division.

—If an emergency is declared during the day, classes will be canceled but

offices will remain open, in most cases. If weather is severe enough, the president may also close offices.

—Meadow Brook Hall and MB Theatre may remain open even if the remainder of the university is closed, if the president chooses.

—Athletic events ordinarily will be canceled, but under extraordinary circumstances exceptions may be made.

—Extension centers will close or cancel when the university does, but in some cases, the centers may close because of a decision by the local school district involved.

All public announcements of closings will be made over radio stations WJR, WPON, WWJ and WXYZ and television stations WXYZ, WDIV and WJBK. The university switchboard will use a recorded message to notify callers. If classes are canceled during the day, the CIPO office will be notified to help alert students.

Penny Cass, nursing, presented **A Study of the 1982 Michigan Legislators' Perceptions of Attitudes Toward Nursing** at the sixth annual Nursing Research Symposium on Nursing Research, sponsored by the Michigan Sigma Theta Tau Research Consortium in Lansing. She was interviewed about her continuing research on legislative perceptions for local television newscasts. She has presented the study, which explores outcomes and information relevant to nursing and nurses, to the annual Michigan Nurses Association Convention, the third annual Women's Research Council, the first Research Conference at the Medical College of Georgia School of Nursing, the third annual Linnea Henderson Lecture Series at Kent State University, the University of Michigan annual Faculty Research Symposium and at Madonna College and Sinai Hospital.

Philip Singer, sociology-anthropology, was the invited lecturer in October for Southeast Michigan MENSA. He spoke on the **Enthnography of the Paranormal** and showed one of his films. MENSA is an international organization of gifted persons with an IQ of at least 98.

## Author Recalls JFK

Remembering John F. Kennedy and his presidency can be an exercise in teaching, considering that about one-third of the country either had not been born when he was assassinated or was too young at the time to be able to remember it now.

For lecturers like Arthur Schlesinger, Jr., talking about the JFK administration evokes personal memories that lead him to speculate about what "might have been" had the president lived. Schlesinger, a JFK special assistant and a Pulitzer prize-winning author, appeared on campus last week during the weeklong Kennedy retrospect program. The historian and City University of New York professor spoke of "the most exhilarating time of my life" to about 500 students and others in the OC Crockery.

The author's lecture about Kennedy's decisions and policies highlighted the differences between the JFK administration and those which succeeded it. Schlesinger acknowledged the media have given JFK's image a "dramatic quality" and a glowing "romantic" mystique, but he defended them, saying JFK earned the reputation by leading America into a new age.

Kennedy, he said, was a "vivid, unforgettable leader who flashed

## Faculty Notes

Liz Barclay, economics and management, has been elected to the executive committee of the Michigan Association of Industrial/Organization Psychologists as an at-large member.

Karl D. Gregory, economics and management, is serving on the Oakland County Business Attraction and Expansion Strategy Committee.

An article by Elizabeth Pinkstaff, nursing, entitled, **An Experience in Narrative Writing to Improve Public Health Practice by Students**, will be published in the November 1984 issue of **Journal of Nursing Education**. The paper is a result of her work in teaching community health nursing students.

A photo by Ann Straky, university relations, is on the cover of the current issue of **PTA Today**, the magazine produced by the National Parent-Teacher Association.

through our lives and lit up our sky." Schlesinger supported his statements about Kennedy by drawing upon history. A general trend, he said, has been decades of activism, followed by apathy, and then more activism. Kennedy followed the apathy of the 1950's and its "old men" leadership with a young administration with a new vision for America, he said.

Kennedy's view of government differed sharply from that held by Presidents Carter and Reagan, he said. While JFK believed government could help people by raising standards of living, the past two presidents have called for less government social policy, he added. The result has been apathy, but he predicted a "new political epoch" will soon emerge.

The author of a dozen books on the presidency and politics criticized current government foreign policy stands while claiming Kennedy would have acted differently. In his remarks, Schlesinger said the Grenada invasion would not have occurred under JFK nor would American troops have been stationed in Lebanon. His assumption was based on Kennedy's statements that the U.S. could not police the world nor impose its form of government on others.

## Liboff

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Even though these non-union surgeries are about 80 percent successful, they should be undertaken in a careful, conservative manner and only when a patient may be threatened with the loss of a limb, not just to speed the healing of a simple fracture, Liboff warns. Several papers in the last couple of years suggest that low-level electromagnetic fields may have a tendency to enhance the occurrence of fatal leukemia, he says.

The researcher stresses the fact that he is not a physician but a physicist who is fascinated with the mechanics of the problem. What he has found is that low-level frequencies do indeed markedly affect bone growth and repair. But the long-term implications for human tissue will have to be studied carefully, he says.

Liboff's concern is a result of his Navy research. His second project, on the same theme, was to assist the Navy in looking at the biological implications of ELF. To test the electromagnetic influence on cell tissue culture, he set up two large incubators; one experimental, one for control.

He used large coils to generate electromagnetic fields directly into the cells and looked at the uptake of nucleic acid in the experimental incubator. In approximately 250 separate experiments using mostly human fibroblast cells and mouse lymphocyte cells, Liboff found that there was consistent increased DNA synthesis in the cells subjected to the electromagnetic waves. DNA is the master molecule needed for the cell to function. The effect of these low-level waves over the long term need careful study, Liboff claims.

Liboff reported to the Navy that ELF would emit signals strong enough to have an impact on human tissue but that other electromagnetic signals already in the proposed construction area were strong enough to have the same impact.

## Pioneers In NCAA

The OU Pioneer soccer team plays Lock Haven State in the NCAA Mideast Regional Championship game at 1 p.m. Saturday, November 19. The game will be on the OU soccer field.

The nationally fourth-ranked Pioneers drew a bye in the first round of the tournament. Tickets are \$2 for adults, \$1 for students and 50 cents for children under 12.

# Meade: Devoted Prof

A memorial fund has been established to honor the late Kenneth A. Meade, adjunct professor in the School of Engineering and Computer Science.

Meade, 79, died November 2 at his home in Franklin. He came to OU in 1967 after his retirement from General Motors and served as an assistant to the dean of engineering until his second retirement in 1974. However, he continued to teach part-time and to advise students until his death. Many hours of his own time were given to help students and to promote the university.

"He was an outstanding gentleman," said Howard R. Witt, interim dean of the school. "He loved to be around the university and the students and was held in high affection by all who knew him. We could not begin to reward him for his devotion and many contributions. His friendly manner will be missed around Dodge Hall."

As an example of his devotion to OU, Witt said, Meade developed the statics and dynamics laboratory. This type of lab is unique in engineering education and Witt noted that its "innovativeness and quality are a tribute to him."

Meade held an honorary doctorate from OU. He also held a bachelor's degree from Michigan State Normal College (now Eastern Michigan University), an honorary doctorate from EMU and a master's degree in engineering physics from the University of Michigan.

Meade joined the General Motors Institute faculty in 1929 and headed the Lawrence Institute of Technology Physics Department from 1932-33. He rejoined GM in 1933 and held a variety of supervisory and executive positions through the years. He retired as Educational Relations Section manager of the GM Technical Center Public Relations staff.



**Kenneth A. Meade**

He was a past president and fellow of the Engineering Society of Detroit, a member of Tau Beta Pi honorary fraternity, a member of the Cranbrook Institute of Sciences Board of Governors and a vice president and assistant secretary of the Thomas Alva Edison Foundation.

Contributions to the memorial fund may be made through the Office of Finance and Administration.

# Seminar Explores Mental Health

Mental health for the elderly will be explored at a conference presented by the OU Continuum Center.

**Promoting Mental Health in the Later Years** will be Thursday and Friday, December 1-2 at the Sheraton-Southfield Hotel. The featured speaker will be Muriel Oberleder, diplomate in clinical psychology and assistant professor of clinical psychology at the University of California School in Medicine in Irvine. She is the author of **Avoid the Aging Trap**. Her lecture, **Aging—New Definitions are Needed**, will be at 9:45 a.m. Thursday. Elinor Waters, Continuum Center director, will moderate a panel discussion afterward.

Other speakers include Roberta

"Jeff" Dailey, Continuum Center counselor and trainer, who will speak about stress management for human services workers; Maryann Mahaffey, Detroit City Councilwoman and Wayne State University faculty member; and Olivia Maynard, director of the Michigan Office of Services to the Aging.

Peer counseling with older adults will be discussed on Friday. The Continuum Center, a pioneer in the use and training of peer counselors, has two regular programs for older adults through which the staff selects, trains and supervises senior citizens to become a part of the center's delivery system.

Betty White, older adult projects coordinator, says, "We have a group

of 30 trained volunteer peer counselors all age 55 or older. They are the backbone of our two courses for older adults. They provide the leadership of small groups for both **Personal Growth for Older Adults** and our assertiveness training program, **Growing Older Bolder**. We have a lot to share with others who work in the field of aging. Older people helping older people has proven to be a great success for the Continuum Center."

Workshops on prevention and treatment of mental health problems of older adults will be offered both Thursday and Friday. Topics include **Depression and the Elderly**, **Support Systems**, **Elder Abuse**, **Referral Processing**, **Support for the Older Adult's Family**, and **Responding to Victims of Alzheimer's Disease and Related Disorders**.

The conference fee is \$55 and includes lunches. The one-day fee is \$35 and student rates are available. For details, call 377-3033.

## Small Taking Calls

All inquiries regarding insurance and the Meadow Brook Subdivision should be directed to Bill Small, director of Contract Administration, Purchasing and Risk, while Addie Nowacki is on leave.

# Holiday Periods Defined

Employees planning their holiday schedules should consider the following break periods the university will observe. For Thanksgiving, the university will be closed both Thursday and Friday, November 24-25. The extended holiday recess period will begin at the close of the regular work day on Thursday, December 22 and continue through Monday, January 2.

Except for seven-day per week

operations, most university services will be suspended during the holiday recess. The university makes significant energy savings by closing most campus buildings and by reducing heating and lighting during that period.

Questions about leave time during the holidays and proper application of union contracts should be directed to the Employee Relations Department by calling 377-3486.

# Diversions

## November 17-27

"The Magnificent Yankee"  
MB Theatre

## November 17

Senior dance recital  
Noon, Varner Recital Hall

Lecture, "Personal Safety"  
7-9 p.m., OC Gold Room

Mainstage, "Bermuda Triangle"  
8 p.m., OC Abstention

Pianist Lois Svard  
8 p.m., Varner Recital Hall

## November 18

Lecture, "Moving Up—The Many Paths  
to Advancement"  
11:30 a.m.-1:30 p.m., OC Gold Room A

Film, "The Year of Living Dangerously"  
2:15 p.m., Room 202 O'Dowd Hall  
7 and 9:30 p.m., Room 201 Dodge Hall

Men's basketball vs. Western Ontario  
8 p.m., Lepley Sports Center

## November 19

Michigan Speech League Forensics  
Tournament  
8 a.m.-8 p.m., OC Meadow Brook Room

Film, "The Year of Living Dangerously"  
2:15 p.m., Room 201 Dodge Hall

"Toolbox for Performers" workshop  
1-4 p.m., Barn Theatre

## November 20

Film, "Mickey One"  
7 p.m., Room 201 Dodge Hall

## November 21

Trumpet and piano recital  
8 p.m., Varner Recital Hall

## November 22

Lecture, "Multics: Now and in the Future"  
Noon-1 p.m., Room 207, O'Dowd Hall

Lecture, "Political Realism and Nuclear  
Arms"  
8 p.m., OC Room 128-130

Men's and women's basketball vs.  
University of Michigan-Dearborn  
6 p.m., Lepley Sports Center

## November 26

Men's basketball vs. Indiana-Purdue  
8 p.m., Lepley Sports Center

## November 28

Men's basketball vs. Illinois Institute of  
Technology  
8 p.m., Lepley Sports Center

## November 30

"A Christmas Carol"  
MB Theatre

# Scholarships Given

Eleven OU students were honored Tuesday, November 1 at a luncheon and received \$1,000 scholarships from the William Morris Foundation of New York City.

Each student received \$500 for this fall and another \$500 toward winter registration. This was the seventh year OU has shared in the William Morris Foundation Scholarship Program.

Students were nominated by faculty and deans in their respective disciplines and chosen on the basis of academic achievement and community service. Winners have maintained at least a B-plus average at OU.

The winners were Anita M. Brouns, mathematics; Pamela S. Bush, art history; Linda K. Crisan, German; Joan E. Johnson, English; Karen McConachie, music; Linda R. Noder, pre-med technology; Alan O. Parman, biology; Angela Reynolds, pre-management; Deborah A. Spatafora, management; Catherine M. Twomey, elementary education; and Erin L. Waugh, biology.

# Photo Talk Slated

Nature photographer Dennis Hanser will present a stereoscopic view of nature's curious creatures on November 21.

His visit, at 4:30 p.m. in OC Gold Room B, is sponsored by the OU Chapter of Sigma Xi and is free. Polarized glasses will be provided to the audience.

Hanser has exhibited his photography in numerous exhibitions around the world, including a current 3-D exhibit at the Cranbrook Institute of Sciences. Last year, Hanser won the National Insect Salon Competition for his photography of social wasps and is presently ranked among the top four stereo-photographers in the world.

A wine and cheese reception will follow the program.

# New Faces at OU

Recent additions to the OU administrative-professional staff are:

—Gloria Boddy, assistant to the legal assistant and professional program manager in the Division of Continuing Education.

—Walter Blacha, data base administrator in Computer Services.

—Maura Selahowski, CIPO assistant director.

# News Notes

## Society Inducts 130

The OU Chapter of the Golden Key National Honor Society will induct 130 students into membership in ceremonies November 20.

Helen Balmer, president of Helen Balmer Associates, will be guest speaker at the 2 p.m. program in Gold Rooms A-B-C of the OC. A reception will follow in the Oakland Room.

Four honorary members of the society will be cited at the program and two student scholarship winners announced. The honorary members are Jacqueline Lougheed, human and educational services; Arun K. Roy, biological sciences; John H. De Carlo, vice president for governmental affairs and general counsel; and Ronald Kevern, assistant vice president for student affairs.

The Golden Key is an honor society recognizing the achievements of junior and senior students.

## Holiday Hours Set

Reduced hours will be in effect at the Kresge Library during the Thanksgiving holiday period.

The library will be open from 8 a.m.-8 p.m. Wednesday, November 23 but be closed on Thursday and Friday, November 24-25. Regular hours resume Saturday, November 26, 9 a.m.-8 p.m., and Sunday, November 27, 1-11:30 p.m.

## Coverage Expands

Graham Health Center on campus has additional physician service to help alleviate waiting periods.

Regular coverage hours remain 10-11:30 a.m. and 1-4:30 p.m. Monday through Friday. However, an additional physician has been added from 1-3:30 p.m. Monday, Tuesday and Thursday and every other Wednesday.

The four physicians are Anne P. Bartek, M.D., general practice; Robert E. Church, D.O., general practice; Betty J. De Lawrence, M.D., general practice; and Shelly A. Friedman, D.O., general practice and dermatology.

## Position Available

The following job opening has been listed by the Employment Office in 141 NFH:

—Executive secretary, C-8, Developmental Affairs/Capital Campaign.