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Monitor Newsletter November 16, 1981

Bowling Green State University

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Monitor

Vol. V, No. 9

Bowling Green State University

November 16, 1981

Psychologist studies sleep, learn relationship

Can a person, while awake, learn a simple task, such as breathing deeply at the sound of a tone, and then perform that task while asleep?

That is the question a research team at Bowling Green and the University of Southern Mississippi is trying to answer. And if that answer is yes, researchers and doctors will be another step closer to finding relief for millions of Americans who suffer from certain types of sleep disorders.

Pietro Badia, psychology, and John Harsh, a professor at the University of Southern Mississippi and former Bowling Green graduate student, have received a two-year, \$137,000 grant from the National Institute of Health to conduct the research.

According to Dr. Badia, the research has both a theoretical and a practical nature. "From a theoretical standpoint, we are trying to gain insight into whether learning while awake will transfer to the sleeping state," he added.

Although humans spend almost one-third of their time asleep, researchers are only now beginning to investigate why humans sleep and

to what extent they are able to process information while asleep.

By asking subjects in his experiments to learn to alter their breathing patterns at the sound of a tone and then measuring their reactions when that tone is played while they are asleep, Dr. Badia said he hopes to understand the types of information the brain can and will process during sleep.

Dr. Badia is quick to point out that his research is in no way related to the idea that people can learn complex information, such as a foreign language, while asleep—a concept which has no validity in scientific research. His findings, however, could be helpful to the millions of Americans who suffer from two types of breathing irregularities while asleep.

The first type of disorder is labeled sleep apnea. For a variety of reasons, persons who suffer from this condition "forget" to breathe while asleep. When the person stops breathing, the oxygen content of the blood drops and when it reaches a sufficiently low level, the body is aroused to a near-awakening state

and the person begins to breathe again.

In the second type of disorder, the same problem occurs when a person's breathing is too shallow. In both cases, the victims are normal in every other way.

Sleep apnea episodes may last from 10 seconds to more than two minutes, and while the person is rarely aware of them, the awakenings caused by these episodes can occur hundreds of times each night.

In its worst form, a person suffering from sleep apnea sleeps only a few minutes at a time and is constantly tired to the point that he may not be able to function normally, including holding down a job.

These breathing irregularities increase with age and are more common in individuals who are overweight or snore. Sleeping pills and alcohol can compound the problem, and too often individuals wrongly attribute their excessive daytime sleepiness to insomnia and therefore make the problem worse by taking sedatives at night.

More than one million Americans suffer 10 or more attacks in an hour of sleep and are considered severe apnea victims.

While apnea victims rarely die in their sleep (Sudden Infant Death Syndrome may be related to sleep apnea), breathing irregularities can cause increases in blood pressure and irregular heart rhythms.

To date, the most popular means of treating these irregularities have been drugs and surgery, but these are often ineffective.

The research being conducted by Dr. Badia may offer a third alternative. In his first experiment, involving 30 volunteers, Dr. Badia and his team instructed the volunteers to breathe deeply at the sound of a certain tone.

The subjects were then wired into a number of monitors which measured a variety of body functions, including respiration, brain wave activity, heart rate, eye movements and muscle tension, and the subjects were asked to take two-hour naps.

During the naps, the researchers played back the tone periodically to see if the subjects would respond to the tone—yet not be awakened.

Initial results were positive, and the experiment has been expanded. Now, volunteers come to the University's sleep laboratory and spend the night being monitored and tested.

Before the research grant expires, Dr. Badia and his team plan to conduct a total of five experiments dealing with behavioral control of respiration during sleep. Several parts of the experiment will be conducted at the University of Southern Mississippi, and it is hoped that the data from two diverse geographical regions will also provide insight into other factors which might be involved in incidents of breathing irregularities during sleep.

Dr. Badia said this behavioral approach to dealing with sleep apnea can be very helpful, although several major questions still need to be answered. One of the most important questions is whether "normal" sleepers respond to the tests in the same way as apnea victims.

If successful, the theory and technique could be expanded to other sleep problems, including persons who grind their teeth, have muscle spasms, and other similar problems while asleep.

Other members of the Bowling Green research team are doctoral students Lawrence Schoen and Thomas Balkin Jr., master's candidate Allen Klempert, and senior Alicia Dolce.



Pietro Badia, psychology, is part of a research team working with a \$137,000 grant from the National Institute of Health to conduct sleep research. The research is aimed at finding relief for persons who suffer from certain types of sleep disorders. An undergraduate student, Alicia Dolce, is also participating in the study.

Enrollment decrease 'on target'

The University's official main campus fall quarter enrollment has been set at 17,080 students, down 579 from a year ago.

That decrease is "right on target," according to University officials, who last January announced plans to reduce the size of the entering freshman class as part of a three-year plan to comply with a state-mandated enrollment ceiling.

Bowling Green, since 1969, has been limited to 15,000 full-time equivalent students.

Richard Eakin, executive vice provost for planning and budgeting, said this fall's FTE figure is 16,336, compared to 16,788 a year ago.

The enrollment decrease also has eased campus housing problems.

Robert Rudd, director of housing, said this fall 8,060 students are living in residence units designed to house 8,050.

Rudd said on-campus housing is popular with students and noted that about 350 students who commute to campus or live in off-campus apartments are currently on a waiting list for campus housing. He does not foresee Bowling Green having empty rooms in residence halls as it continues its planned enrollment reduction.

Of the 17,080 students on campus this fall, 1,974 are graduate students and 15,016 are undergraduates. On the undergraduate level there are 3,052 seniors, 3,056 juniors, 3,574 sophomores and 5,112 freshmen. The undergraduate total also includes 312 unclassified students. Of the freshmen, 3,172 entered the University for the first time this fall.

The College of Business Administration is the largest undergraduate college, with 4,639 students, followed by the College of Arts and Sciences with 4,057 students and the College of Education, which has 3,487.

Enrollment in the College of Health and Community Services is 1,400 and the College of Musical Arts has 422 students. Both colleges showed an increase in numbers compared to a year ago.

Another 748 students with undecided majors are enrolled in the University Division.

The Firelands College has a fall quarter headcount enrollment of 1,385, up from 1,375 a year ago. That figure, which sets a fall quarter enrollment record for the Huron campus, includes 265 new freshmen and 55 new transfer students.

Academic Council

Academic Council on Nov. 4 approved revisions in the Graduate Bulletin necessitated by the conversion to an early semester calendar.

Under the semester calendar, master's degree programs will require a minimum of 30 semester hours of graduate course work, compared to the present 45 quarter hours. At least 18 of those hours must be in 500-level or higher course work, and 24 semester hours must be earned at Bowling Green.

Requirements in the thesis and examination options of master's degree programs also were modified to reflect the semester change.

All revisions were previously approved by the Graduate Council because some are not direct mathematical conversions.

Acting Provost Eriksen also announced to Council members that Lester Barber, English, has been appointed to chair a subcommittee which will study program duplication as the University converts to the semester calendar. Members of the subcommittee are Richard Bowers, health, physical education and recreation; Bartley Brennan, legal studies; Gary Hess, College of Arts and Sciences, and Mary Miles, College of Health and Community Services.

It is expected that recommendations from the subcommittee, appointed at the request of Interim President Ferrari, will be ready for Academic Council's consideration by Dec. 2.

Ramona Cormier, associate provost, reported to the Council on preparations for the University's evaluation by the North Central accrediting agency.

Dr. Cormier summarized the general format of the report and materials being prepared, including a University mission statement; a chart showing division of the University into five areas; goals statements for

each of the five areas; questionnaires for each unit, and a contract staff resume form.

The questionnaire is to be sent to units on Nov. 16.

Council also discussed nine recommendations for improving articulation between secondary and higher education in Ohio. The recommendations are part of a report submitted by The Advisory Committee on Articulation Between Secondary Education and Ohio Colleges, appointed last year by the Board of Regents and State Board of Education.

The report outlines a college preparatory curriculum for high school students which would, in general, improve the academic preparation of incoming college students and reduce the need for remedial courses at the collegiate level.

Academic Council adopted in principle the recommendations of the Commission and asked that further study be given the feasibility of implementing them.

Reactions to the recommendations drafted by the University's departments of English, mathematics and statistics, speech communication, and educational curriculum and instruction were distributed to Council members.

Dr. Eriksen also read a policy statement approved by Kent State University in response to the articulation report. The Kent statement established provisions for admission in good standing and for "conditional" admission.

At the next meeting of Academic Council at 1:30 p.m. Wednesday (Nov. 18) in the Town Room of the Union, members will discuss the specific recommendations of the Commission with the ultimate goal of proposing a statement on conditional and unconditional admission to Bowling Green.

Writing program trains technology translators

Because current emphasis in the job market has been on scientific and technological skills, students with traditional English and humanities backgrounds have faced some difficulty in obtaining high-paying jobs.

Technology continues to dominate business and industry, but there is one field that incorporates communication into that technology, and the demand for persons with skills in both areas is growing.

The University's technical writing program is preparing students to fill that demand.

One of only six such programs in the country, it offers a master's degree in the area of technical writing and a bachelor's degree with technical writing emphasis, usually as a component of an English major.

The graduate program offers an individually planned, interdisciplinary major incorporating elements of visual communication, science and technology, according to Bill Coggin, English, coordinator of the technical writing program.

Technical writing is basically a problem-solving field. Writers must analyze their audience and decide what they need to know, said Dr. Coggin. Information must be translated in a way the lay person can understand.

Since coming to the University in 1980, Dr. Coggin has added two courses to the curriculum: English 531, research in language/literature in technical writing and English 570, technical editing, offered for the first time this fall.

He also has expanded internship sponsor contacts to states as far away as Nebraska. Graduate students are required to complete a 12-hour internship which Dr. Coggin feels is an essential part of the program.

"I want to get students involved in the outside world so there won't be as many surprises," he said.

Graduate students are also required to compile for their final project some type of technical writing project which must be fully developed, printed and bound. The projects are frequently used by outside companies.

The program depends heavily on practicing technical writers, some of whom are alumni, who come to campus to conduct workshops and seminars. An alumni advisory council is another means by which the program keeps in touch with the 'outside world.'

"It's an asset," Dr. Coggin said of the council. "The members are people we can call upon when we have questions about how we can better serve students."

Dr. Coggin himself keeps in touch with the profession by serving as a consultant whenever he can find time in his busy campus schedule.

Twenty-one graduate students are currently enrolled in the program, which draws inquiries from prospective students all over the country.

"I want to keep enrollment to a manageable level. We get enough requests that we can stress quality," said Dr. Coggin. "So far our graduates have had a 100 percent employment record and I don't expect that to change."

"Demand is contingent upon growth in technology; however, technology is growing so rapidly that presently we can't keep up with the demand."

As the University's financial situation allows, Dr. Coggin would like to see the program use more part-time instructors whose primary occupation is technical writing, and eventually he would like to have a computer lab since "demand for technical writers in the computer science field is so big that industries are actually calling us."

Benefits are bait

More students choose ROTC

Reserve Officer Training Corps programs at the University have come a long way since their enrollments hit bottom in 1974, the last year of the Vietnam War.

Today there are 346 Army and Air Force ROTC cadets at Bowling Green, an 82 percent increase over the 190 of seven years ago.

Even more significant, however, according to several military instructors, is the proportionately larger number of freshmen and sophomores enrolled: 349 compared to 107 juniors and seniors.

Geoffrey Gibson and Patrick Carroll, Army ROTC, cite a number of reasons for the upturn in enrollment, including greater recruitment efforts, increased patriotism among students, the tight job market, decreases in the number of available student loans, a 14.3 percent increase in military salaries, and increases in the number of military scholarships.

Bowling Green's ROTC programs make 36 full scholarships available to students. Those scholarships cover

tuition, books and fees and provide a \$100 a month, tax-free salary during the academic year (\$1,000 a year maximum). Non-scholarship cadets also receive the salary allowance during their junior and senior years.

Army cadets are required to enroll in two credit hours of military courses during their first two years at the University and seven to eight hours during their junior and senior years. Upon completion of their junior year, Army cadets are sent to Fort Lewis, Wash., for six weeks. During that time they are paid at half the salary rate of a second lieutenant (now \$17,000 a year).

Following graduation, Army ROTC students may opt for three years of active duty and three years in the reserve or spend six years in the reserve.

Air Force cadets begin service-oriented training during the freshman year, when they are enrolled in two hours of academic and four hours of leadership instruction each week. Those who opt for a four-year ROTC program complete four weeks of summer training between the sophomore and junior years. Students in the two year program are required to participate in six weeks of summer camp at any one of several bases throughout the country.

Air Force graduates serve four years of active duty, with no reserve requirement. Pilots, however, have a six-year obligation, and navigators must agree to serve five years.

Thomas Inskeep, Air Force ROTC, said the demand for students with a technical background in math, engineering or computer science is especially great in his branch of the service.

From the Library . . .

Terminal puts facts at your fingertips

Access to bibliographic information stored in the Online Computer Library Center data base is now available to the public in the main Library.

OCLC is a national, computerized bibliographic data exchange founded in 1967 in Columbus by the Ohio College Association to "increase availability of academic library resources throughout Ohio and to slow the rate of rise of library expenditures."

Now almost 2,000 member libraries depend on OCLC services for locating books, correcting records, making catalog cards and even printing spine labels for books.

The public-use terminal, which is located on the first floor of the Library near the name-title card catalog, can be used to identify the date a book was published or to verify the correct title and correct name of the author as they have been entered in the card catalogs and other bibliographic search tools. It is also useful in identifying other libraries that own the book. The information on the file may not be comprehensive because many libraries are still entering older books into the data base.

The data base may be searched by a variety of search keys or codes. Author/title or title alone are the ones most commonly used. Subject or call number access is not available at this time. Full instructions are available at the terminal site.

Though the OCLC system is used primarily to facilitate the cataloging of library materials, public use is growing. One way the terminal can be useful is in identifying a publication as part of a collection of works that may be owned but not cataloged.

Many libraries also do not catalog all government documents. The fact

that a publication is a government document is not always obvious from the information supplied by a patron, and locating a record in the data base may provide that information. The search keys used to identify and locate a book in the system may also permit the searcher to gain the bibliographic information despite misspellings. The data base is more timely than printed sources and provides more access points than do most printed bibliographic tools.

Each data base record contains basically the same information found in the libraries' card catalogs: author, title, edition, place of publication, publisher, date of publication and a physical description of the book (number of pages, size, whether or not the book has an index). Other important notes may be included. The libraries in the OCLC system which own the book are listed by geographical location in code. A listing of the codes is available at the terminal.

The OCLC record retrieved at the public-use terminal is a master record and therefore may not reflect local information such as call number, subject headings or the parts, years, volumes or number of copies Bowling Green owns. The master record also does not identify which of Bowling Green's libraries houses the book and it does not provide circulation information.

Members of the OCLC include libraries in the United States, Canada, England, Finland and West Germany. All types of libraries hold membership: academic, school, public, federal governmental, corporate, business and other special libraries.

The terminal is available 8 a.m. to 10 p.m. daily, except Sunday.

Monitor

Monitor is published every Monday for faculty, contract and classified staff of Bowling Green State University. Deadline for submission of material for the next issue, Nov. 23, is 5 p.m. Tuesday, Nov. 17. There will be no issue Nov. 30.

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Editorial assistants: Karen Eider, Sarah Bissland

Change of address and other notices should be sent to:

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806 Administration Building
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Faculty & Staff

Publications

Elizabeth R. Allgeier, psychology, "The influence of androgynous identification on heterosexual relations" in "Sex Roles," Vol. 7, 1981.

Dr. Allgeier also co-authored with A.R. Allgeier and T. Tywick "Orientations toward abortion: Guilt or knowledge?" in "Adolescence," Vol. 16, 1981.

Other publications, both currently in press, are "Ideological barriers to contraception" and "Gender roles and sexual behavior: Changing boundaries," of which she and N.B. McCormick served as editors.

Pietro Badia, psychology, "Fundamentals of Behavioral Research," co-authored by D. Runyon, to be published by Addison-Wesley Press, Reading, Mass.

Dr. Badia also co-authored with graduate students K. Ryan and J. Harsh "Choosing schedules of signaled appetitive events over schedules of unsignaled ones" in the "Journal of the Experimental Analysis of Behavior," Vol. 35, 1981.

With Ryan he also wrote "Signal duration and choosing between signaled and unsignaled reward," to be published in "Animal Learning and Behavior."

He also is co-author of "Preference for predictability," written with Harsh, to be published in the "Australian Journal of Psychology."

With L. Schoen, T. Balkin and G. Alexander, graduate students, he has written "Behavioral control of respiration during sleep," in "Sleep Research," currently in press.

James L. Harner, English, is the section head of "Festschriften and Other Analyzed Collections" of the 1980 "MLA International Bibliography," recently published.

Faculty members who contributed to the section are John R. Burt, romance languages; Angela Poulos, library; Kenneth Robb, English, and Warren Wolfe, romance languages.

Graduate students from the English department who assisted Dr. Harner are: Terry Hansen, Robert S. Jackson, Gerald Jones, and James Karpen.

Robert C. Romans, biological sciences, is the editor of "Geobotany II," proceedings of a geobotany conference held in March, 1980 at the University.

The 263-page volume includes 11 papers and three abstracts presented at the conference, sponsored by the departments of biological sciences and geology in cooperation with the College of Arts and Sciences and the Graduate College.

The book is the second in a series published by Plenum Publishing Co. of New York and edited by Dr. Romans. The first volume, "Geobotany," was published in 1977 and included selected papers from a 1976 Bowling Green conference.

The geobotany meetings were initiated by Jane Forsyth, geology, more than 10 years ago.

Ronald E. Seavoy, history, "The Organization of the Republican Party in Michigan, 1846-1854," an article in "Old Northwest," Vol. 6.

Carney Strange, college student personnel, "Organizational Barriers to Student Development," in the summer issue of the "National Association of Student Personnel Administrators Journal."

Daniel Tutolo, educational curriculum and instruction, "Critical Listening/Reading of Advertisements," in the September issue of "Language Arts," a publication of the National Council of Teachers of English.

Recognitions

James Bissland, journalism, has been re-appointed to the Professional Freedom and Responsibility Committee of the Public Relations Division of the Association for Education in Journalism.

Thomas B. Cobb, assistant vice provost for research and director of the Energy Studies Program, and Justine Magsig, program coordinator for the Energy Studies Program, accepted the 1981 Energy Education Award at the annual dinner sponsored by the Ohio Alliance for Environmental Energy Nov. 12 in Cleveland.

The award was presented in recognition of the quality and variety of energy education programming offered by the University during the year.

The Ohio Alliance for Environmental Energy is a non-profit, non-advocacy organization which promotes environmental education in Ohio.

Sally Sakola, health, physical education and recreation, has been elected chair of the Council on Physical Education for Children.

The council is part of the National Association for Sport and Physical Education and represents 7,000 NASPE members whose interests are in early childhood and elementary school physical education programs.

Presentations

Steven Dood, biological sciences, gave a presentation on "Ectoparasites of 'Myotis lucifugus' in Minnesota and North Dakota" at the 12th annual North American Symposium on Bat Research Oct. 15-17 in Ithaca, N.Y.

Bookstore to close Thanksgiving week

The University Bookstore will be closed for its annual physical inventory during all of Thanksgiving week, Nov. 23-28.

Regular hours will resume on Monday, Nov. 30.

Grant, fellowship deadlines announced

Following is a list of upcoming grant and fellowship deadlines, as announced by the Research Services Office. Further information is available in that office, McFall Center, 372-2481.

- 11/30/81 - FRC Annual Deadline: Research Grants and Associateships
- 12/31/81 - Dow Creativity Fellowships - Northwood Institute
- 12/1/81 - Department of Justice - Unsolicited Research
- 12/31/81 - Council for Tobacco Research
- 1/1/82 - American Heart Association Research
- 1/1/82 - NEH/NSF Science, Technology and Human Values
- 1/11/82 - Charlotte Newcombe Dissertation Fellowships (Woodrow Wilson Center)
- 1/6/82 - NEH Regional/National Higher Education Program
- 1/15/82 - NEH Humanities in Libraries Projects
- 1/15/82 - NEH Humanities Program Development Grants
- 1/15/82 - Tinker Postdoctoral Fellowships (U.S. - Latin America, Spain, Portugal Studies)

Firelands to premier faculty-authored play

Frank Glann, humanities, Firelands, has co-authored a play which will be used as an alcohol education resource for junior and senior high school students throughout the Erie and Ottawa county area.

Dr. Glann and Brad Smercina, a certified alcoholism counselor, are the authors of "Never Again Honey," which will premier on the Firelands campus this week. The two performances are scheduled at 8 p.m. Thursday and Friday (Nov. 19 and 20) in the Firelands North Building theater.

The play has been scheduled in conjunction with the observance of National Alcoholism Month.

Dr. Glann, who is directing the play and designed sets for the production, worked with Smercina to develop the program which the Tri-County Alcoholism Center will take to schools in an attempt to discourage young people from alcohol use and abuse.

Admission to this week's performances is free.



Administrative tasks are just a small part of the responsibilities of the University's 13 full-time hall directors, who are on duty seven days a week, 24 hours a day. Larry McDonald, director of Harshman-Bromfield, receives help with the daily paperwork from Maxine Conibear, who has been a secretary in that hall since 1964.

Hall directors run 'round-the-clock race

Taking care of the more than 8,000 students who reside on campus is an around-the-clock job.

The task of looking out for 6,000 of those students who live in residence halls falls to a residence life staff of 29, including 13 full-time, professional hall directors whose jobs never really end.

The hall directors head the residence hall team which picks up where faculty leave off and continues an educational program outside the classroom.

A separate group of directors oversees activities in the small group living units, including fraternities and sororities, where an additional 2,000 students reside.

Barbara Keller, director of residence life, described the hall directors as "professional educators who teach problem-solving, life survival and inter- and independence." They are full-time contract staff and all have master's degrees.

Although the directors' jobs can't be neatly defined, they fall into three broad areas: programming, counseling and academic advising. The scope of their activities, however, is much more widespread.

As academic advisers, they counsel all students in their buildings who have not yet chosen a major, a task coordinated by Joan Morgan, director of the University Division, through the Center for Educational Options. Special training is a prerequisite for that advising.

As programmers, the residence hall directors not only plan events, but also conduct workshops on topics which vary from career planning and time management to self-defense. Some directors also teach classes in cooperation with the Counseling and Career Development Center and The Well.

Counseling is one of the major demands upon the hall director's time. They see homesick students, those with financial aid problems and occasionally students suffering from deep-rooted depression.

"We're troubleshooters in one sense," said Jim McNaughton, coordinator of Harshman Quadrangle, explaining that regardless of the problem, the hall director is frequently the first professional person a student sees for help, and the director must then channel the student to the proper area for more explicit help.

Melanie Birt, a director in

McDonald East, said, "It really is frightening to think about the problems with which we deal on an everyday basis. If we make a mistake, sometimes there is no time to correct it."

But Mary Beth Vahala, who has been a hall director four years and currently is coordinator of Offenhauer Towers, said, "No one would do it if he or she didn't enjoy it. We like the students; we enjoy the variety. No day is exactly the same as the day before."

In addition to counseling, advising and programming, the hall directors also handle discipline within the hall, frequently in cooperation with the Office of Standards and Procedures; supervise a staff of resident advisers and assistant directors, as well as student employees; link the students with other primary resources on campus, including faculty and several service areas, and play a major public relations role among the students, their parents, faculty, staff and the community. They even repair plumbing when no one else is available.

What kind of person takes on a 24-hour-a-day, seven-day-a-week job? Dr. Keller described the hall directors as "very special people." They describe themselves as "just a little bit crazy."

They must be responsible, energetic, able to relate to the students and still earn their respect, and have a good sense of humor. The average age of the hall directors this year is 25.

The hall director position, Dr. Keller said, is entry level to the student affairs area in higher education, and most directors remain at the job for only two years.

Their relative youth is frequently more an advantage than a disadvantage, they say.

"We don't want anyone to say, 'Oh no, here comes the hall director,'" Birt said. "Sometimes the students don't know who we are until we tell them. We don't want to portray a mother/father image. We want to be perceived as fair."

And that's sometimes difficult for someone who is responsible for 280-1,000 students.

Noting that about half the University's student population resides on campus, Dr. Keller said, "Hall directors are important on any campus, but we believe on a campus such as ours the directors play a particularly important role."



More than 1,000 men, women, boys and girls participated in the Oct. 25 Falcon Fun Run, which was designed to raise funds for the athletic department's general fund. The runners collected pledges totaling more than \$45,000. Half of the funds that will be collected will go to the athletic department, with the other half going to the various organizations that solicited pledges for the run, held in perfect weather on Whittaker Track. The event was considered to be so successful that the Falcon Fun Run will be held again next fall.

News in Review

Symphony issues special invitation

Students, faculty and staff will be the special guests at a Toledo

Symphony concert at 8:30 p.m. Friday (Nov. 20) in the Masonic Auditorium.

Yuval Zallouk, director, who is a guest conductor at the University this quarter, will lead the orchestra in a performance of works by Dvorak, Brahms and Varese.

Guest artist Arto Noras, Finnish cellist, will perform Dvorak's "Concerto in B minor for Cello and Orchestra."

Special to the program is the local premiere of Edgar Varese's "Hyperprism," a short piece composed in 1923 which uses percussion instruments to obtain an array of sounds ranging from a siren to a lion's roar.

Following the program, Zallouk and Noras will join the University symphony-goers at a private wine and cheese reception.

Tickets for the University night at the symphony can still be reserved at the special price of \$3.50 per person by sending your name, address and telephone number to the Masonic Auditorium, PO Box 6239, Toledo 43614. Tickets can be picked up at the box office before 8:15 p.m. the night of the performance.

Staff to receive ID cards Friday

All faculty, contract and classified staff should receive new University ID cards by Friday (Nov. 20).

After that date, the new brown and white cards will be the only form of identification accepted by University offices and departments as proof of employment.

The cards also must be shown when checking a book out of the University Library.

Classified staff should receive the new card with Friday's paycheck. Those staff who utilize the direct deposit service will receive their cards with the check receipt. Staff who do not receive a card should contact the Office of Personnel Support Services.

Contract staff and faculty who do not receive a card by Friday should notify the provost's office.

Holidays change Monitor schedule

Because of the Thanksgiving holidays, there will be no MONITOR published on Monday, Nov. 30.

The deadline for submission of materials for publication in the next issue, Nov. 23, is 5 p.m. Tuesday (Nov. 17). Information which is received after that date will be held for the Dec. 7 issue.

Personnel support services will accept job postings for the Nov. 23 issue until noon Thursday (Nov. 19).

TELCOM tip can save money

Users of the TELCOM system are reminded by Telecommunications Services that credit card, collect and third-party billed calls should not be made via TELCOM.

Calls of this type should be placed by dialing zero, the area code and the phone number. The Bowling Green operator will intercept and assist with the call.

If operator-assisted calls are placed through TELCOM (dialing '7'), charges are assessed twice - both to the budget and cost associated with the TELCOM identification number used to place the call and to the off-campus number named through the credit card, collect or third party-billed call.

Foundation hosts annual meeting

Fred H. Deering, state representative from the 84th district, updated school finance legislation at the annual meeting of the Northwest Ohio Educational Television Foundation Oct. 21 in the studios of WBGU-TV.

A tour of the station's new addition which houses the Northwest Ohio Media Center, a tape duplicating center and the instructional television services utilized by the Foundation was included on the agenda for the 72 area school officials who attended.

Equipment offered for campus sale

The following equipment is for sale to University departments only:

-Four-channel physiological monitoring and data collecting system, including an Antogen 1000b thermograph, G&W PW420 heart rate monitor and J&J M-55W electromyograph. The system can be sold as a unit or in parts.

-Heath one-channel strip chart recorder, Model SR-204.

Contact Bob Yonker, educational foundations and inquiries, 372-0151, Ext. 322, for more information.

Department hosts division meetings

The department of geography hosted the annual meeting of the East Lakes division of the Association of American Geographers Nov. 6-7.

George Kish, University of Michigan, who is the outgoing president of the division, delivered the keynote address on "The Image of Geography."

Employment Opportunities

CLASSIFIED EMPLOYMENT OPPORTUNITIES

NEW VACANCIES

No new vacancies were received by the Office of Personnel Support Services

CONTINUED VACANCIES

Posting Expiration Date: Monday, Nov. 16.

11-16-1 **Library Media Technical Assistant 2**
Pay Range 26
Library/Cataloging
Permanent part-time

11-16-2 **Secretary 1**
Pay Range 26
Firelands Campus
Temporary part-time
(Paid from external funds)

11-16-3 **Typist 2**
Pay Range 4
Special Education
Temporary part-time grant funded
(Paid from external funds)

FACULTY VACANCIES

5-6-A **Director of EM Facility**
Biological Sciences (2-2332)
Feb. 1, 1982

10-19-B **Assistant/Associate Professor**
(Anticipated)
Psychology (2-2301)
Dec. 31, 1981

10-19-C **Assistant/Associate Professor**
Geology (2-2886)
Extended to Dec. 1, 1981

10-19-D **Assistant/Associate Professor**
(Anticipated)
Computer Science (2-2337)
Dec. 15, 1981

11-9-E **Assistant Professor**
(Anticipated)
Chemistry (2-2031)
Jan. 15, 1982

11-9-F **Instructor/Asst. Professor**
Textiles and Clothing
Home Economics (2-2026)
Jan. 31, 1982

CONTRACT POSTIONS AVAILABLE

11-9-A **Videographer**
TV Services
WBGU-TV (2-0121)
Nov. 20, 1981

Datebook

Exhibits

Paintings, drawings and studies by Italian artist Laetitia Cerio, opening Nov. 20 with an artist's reception from 7-10 p.m., McFall Center Gallery. The show will continue through Feb. 28. Gallery hours are 8 a.m. to 5 p.m. weekdays and 2-5 p.m. Saturday and Sunday. The gallery will be closed Nov. 25-29 for Thanksgiving recess.

Terrestrial and Extraterrestrial Landscapes, an exhibit of oil paintings and color photography by 1977 graduate Dennis Owen Bowen, through Dec. 11, Alumni Gallery, Milet! Alumni Center. Gallery hours are 8 a.m. to 5 p.m. weekdays.

Faculty Art Show, Fine Arts Gallery, School of Art. The show will remain on exhibit through Dec. 9. Gallery hours are 8:30 a.m. to 5 p.m. weekdays and 2-5 p.m. Saturday and Sunday. The gallery will be closed Nov. 25-29 for Thanksgiving recess.

Tuesday, Nov. 17

International Coffee Hour, 1:30 p.m., 17 Williams Hall.

Wednesday Nov. 18

Academic Council, 1:30 p.m., Town Room, University Union.

University Theater: "Philemon," 8 p.m., Main Auditorium, University Hall. Tickets are \$3.50 for adults, \$2.50 for senior citizens and \$1.50 for students.

Brass Choir, 8 p.m., Kobacker Hall, Moore Musical Arts Center. Free.

Richard Harrow, chair of the American Bar Association Task Force on Sports Violence, will speak on violence in sports, 8 p.m., Grand Ballroom, Union. Free and open to the public.

Prose reading by novelist James Salter, 8 p.m., Recital Hall, West Hall. Free.

Thursday, Nov. 19

International Coffee Hour, 1:30 p.m., 17 Williams Hall.

"Auditory Evoked Potentials," a lecture by Herbert J. Greenberg, speech communication, 3:30 p.m., Room 113, Psychology Building.

Dr. Greenberg will speak on the anatomy and physiology of the auditory mechanism and uses of evoked potentials to evaluate the reception and perception of auditory information.

The free lecture is part of the psychology department's colloquium series.

"Never Again Honey!" a production developed by the Firelands College Theater and Tri-County Alcoholism Center in observance of National Alcoholism Awareness Month, 8 p.m., North Building theater, Firelands. Free and open to the public.

University Theater: "Philemon," 8 p.m., Main Auditorium, University Hall. Tickets are \$3.50 for adults, \$2.50 for senior citizens and \$1.50 for students.

"The Ghost and Mrs. Muir," UAO Film Series, 8 p.m., Gish Film Theater, Hanna Hall. Free.

Friday Nov. 20

"The Great Santini," UAO Film Series, 7:30 and 9:45 p.m., 210 Math-Science Bldg. \$1 with University ID.

"Never Again Honey!" a production developed by the Firelands College Theater and Tri-County Alcoholism Center in observance of National Alcoholism Awareness Month, 8 p.m., North Building theater, Firelands. Free and open to the public.

University Theater: "Philemon," 8 p.m., Main Auditorium, University Hall. Tickets are \$3.50 for adults, \$2.50 for senior citizens and \$1.50 for students.

Men's and Women's Chorus, 8 p.m., Kobacker Hall, Moore Musical Arts Center. Free.

Basketball vs. Guelph, exhibition, 8 p.m., Anderson Arena.

Saturday, Nov. 21

Football vs. Central Michigan, 1:30 p.m. Doyt Perry Stadium.

"The Great Santini," UAO Film Series, 7:30 and 9:45 p.m., 210 Math-Science Bldg. \$1 with University ID.

Opera Workshop, 8 p.m., Bryan Recital Hall, Moore Musical Arts Center. Free.

University Theater: "Philemon," 8 p.m., Main Auditorium, University Hall. Tickets are \$3.50 for adults, \$2.50 for senior citizens and \$1.50 for students.

Sunday, Nov. 22

Falcon Marching Band, 3 p.m., Anderson Arena. Tickets, \$2 adults, \$1 students and children.

Bryan Chamber Series, featuring performances by 18 faculty, 8 p.m., Bryan Recital Hall, Moore Musical Arts Center. Free.

The new chamber music series will spotlight the diversity of musical talent within the College of Musical Arts.