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Monitor Newsletter June 06, 1988

Bowling Green State University

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Monitor

Vol. XI., No. 45

Bowling Green State University

June 6, 1988

Grant will support 3-year study of sleep deprivation

It's common knowledge that lack of a good night's sleep can have a negative effect on a person's job performance. And, the more sleep deprivation, the greater the impact.

Depending on the type of work, the consequences can range from simple, individual discomfort and limited production to serious injury and even death for the sleepyhead and those affected by his or her level of alertness.

Military and civilian pilots, among others, are within the latter critical category. However, according to Dr. Pietro Badia, psychology, and an international authority on sleep, prior research using tests of blood, urine, heart rate and skin have been of limited value in understanding and forecasting how such sleep-deprived people carry out their tasks.

It is a knowledge gap Badia and colleagues at Bowling Green and at the University of Southern Mississippi hope to fill through a three-year study funded by U.S. Army Medical Research. The amount of their first year's grant is \$180,000.

Essentially, the new project is an extension of the two universities' ongoing sleep-related research. Badia said their hope is to discover brain measures that will serve as "markers" or guides that will, hours ahead of the fact, signal that a person's performance is about to deteriorate.

Volunteers will be tested while they are refreshed, Badia said, and continue to be tested during increasing levels--up to 72 hours--of sleep deprivation. If the sought-after brain measures are discovered, Badia continued, they can be used to monitor various continuous task performances other than during sleep loss, such as extreme heat or cold, task complexity, information overload and other stressful conditions.

The results could be of critical significance, Badia said, noting that a flurry of technological advances have deluged our society with highly-sophisticated, quick-response machines that perform increasingly complex functions. But, he added, the new mechanical marvels still require alert human monitors, particularly so under adverse, high pressure conditions where life and property are at stake.

Hence, his continuing research into what is known as "event-related brain potentials" (ERPS), assessing human responses at various stages of sleep loss to measure resultant physical and psychological characteristics such as one's attention span and ability to process information. From this could come the means to forecast which individuals in high-demand work will perform well on selected tasks and those who will perform poorly, as well as the maximum lead-time the measurements can provide in predicting performance degradation.

Last December the Fragrance Research Fund Ltd., headquartered in New York City, awarded a grant to Badia for a pioneering study to determine the influences odors may have on humans while they are asleep. He and his colleagues at Bowling Green's Sleep and Psychophysiology Laboratory have also been conducting years-long research funded by the National Institutes of Health into disorders characterized by irregular breathing during sleep, conditions which can cause excessive daytime sleepiness, increases in blood pressure and erratic heart rhythms.



Equipment that will implement on-line registration at the University was installed last week in the Office of Registration and Records and it is expected that students will be using it to schedule by phone for classes for the 1989 fall semester. Jim Bray (kneeling) of Perception Technology Corp. who installed the equipment shows Duane Whitmire, registrar, and Susan Pugh, director of registration and scheduling, where 32 phone lines will tap into the new equipment.

Tours offer insight into operations

Have you ever wondered how the cooks in a dining hall know how much food to prepare each day? Or perhaps you've been curious about how the director of the Bookstore knows which books to order each semester. Or maybe you've wanted to know how materials are ordered for the University by the purchasing department.

In fact, if you have ever been interested in learning more about any number of services that are in the operations area, now is your chance to find out. The Operations Host program is being implemented June 13 and offers a campus-wide invitation to participate in the day-to-day workings of the operations area.

James Corbitt, associate vice president for operations, said his office frequently receives requests--most often from students--to tour various jobs in the operations area. "A lot of times students are writing a paper about a certain area and want to be able to see what the job actually involves. Or perhaps another employee is interested in finding out what goes on in another area of the University."

When these requests have come through, Corbitt said he has always arranged for tours and in the back of his mind he thought it would be a good idea to offer similar tours to faculty, staff and students. "That's how we came up

with the Operations Host program," he said. "We thought it would be a good way for other University employees and students to gain new understandings of the operations' service areas and the people responsible for the area."

Except for a couple areas that might pose safety risks, any job aspect of the operations area will be open for a two-hour tour for individuals or small groups. Interested participants can call the Office of the Vice President for Operations to arrange for a tour.

Corbitt said the visit request quota will be limited to two tours per week. Each visitor or group will be assigned a host who is an employee of the area being toured. A critique sheet will be given to each visitor at the conclusion of the visit to help the vice president's office determine the program's effectiveness.

"Most of the people in operations are very proud of their areas and want to show them off," Corbitt said. "Overall, I think this is a very positive opportunity for the University community to learn about what we do in operations."

Tours can be arranged by calling 372-2126 or writing the Office of the Vice President for Operations, 230 McFall Center. The guide for the tour will contact the participants to arrange for a time for the tour.

Computer Services offers seminars

A variety of free IBM PC seminars are being offered to faculty, staff and graduate students by Computer Services.

All seminars will meet in 312 Hayes Hall, except "Getting Started on the Macintosh" which will meet in the Technology Lab.

"Introduction to DOS, IBM's Disk Operating System" is being offered from 1:30-3:30 p.m. June 13. It is intended for anyone not familiar with the IBM PC and its uses.

"Intro to Lotus 1-2-3 on the IBM" is scheduled for 1:30-4:30 p.m. on June 15. Participation is for anyone who will be using financial information, such as budgeting.

"Intermediate Lotus 1-2-3 on the IBM PC" will be held from 1:30-4:30 p.m. June 20. It is a follow-up to the introduction course or for anyone who is familiar with Lotus 1-2-3 and wants to learn more.

"Getting Started on the Macintosh (MacWrite)" will be held from 3:30-5:30 p.m. June 21 in the Technology Lab. It is intended for anyone wanting to learn the basics on the Mac.

"Advanced Lotus 1-2-3 on the IBM PC" is from 1:30-4:30 p.m. on June 22. It covers the use of macros, table lookup and database. Attendance at the intermediate course is requested prior to attending this seminar.

In "Introduction to PC-File III on the IBM PC," database applications including filing information, sorting records and printing reports will be

covered and is intended for anyone doing simple record-keeping. It will be held from 1:30-4:30 p.m. June 27.

In "Introduction to MultiMate on the IBM PC," the basics of word processing and how MultiMate functions will be covered. It will be held from 1:30-4:30 p.m. on June 30.

"Introduction to IBM Personal Editor" from 1:30-4:30 p.m. on July 5 is intended for administrative users who will use PE for text editing or for preparing data as input to administrative production jobs.

To register for any of the seminars or for more information, contact the secretary in 241 Math Science at 372-2102. Persons registered for a seminar, but who are unable to attend should notify the secretary.

Order regalia now

Faculty and staff are reminded to place their orders for summer commencement rental regalia at the University Bookstore as soon as possible. Commencement is Aug. 13.

Orders may be phoned to Marge Houchins at 372-2851. A \$5 late charge will be added to orders placed after July 29.

Prepare for tee time

There is still time to sign up for a tee time for the Friday (June 10) Golf Scramble being sponsored by the Classified Staff Council. The outing is open to all University employees.

The first tee time begins at 2 p.m. at Forrest Creason Golf Course. Soft drinks will be provided and there will be prizes for the day's top golfers. A raffle also is being held to win a golf bag.

For more information about the golf outing, contact Joyce Hyslop at 372-8823.

Datebook

Monday, June 6

UAO Rally by the River Sign-Up, for a van trip to Toledo's June 17 Rally by the River. Van will leave the University Office that day at 4 p.m. and will leave Toledo at 8:30 p.m. Transportation costs \$3. Sign-up in the UAO office. Open to faculty, staff and students.

UAO Cedar Point Trip Sign-up, for a June 25 trip to Cedar Point. Bus will leave the Union Oval at 8:30 a.m. that day and return by midnight. Cost of transportation and park entrance is \$15. Sign-up in the UAO office.

Ohio supercomputer focus of workshops

The University will host a free regional workshop for the Ohio Supercomputer Center June 14, 15 and 16.

The workshops are planned to provide the basic and advanced information about UNIX, the Cray FORTRAN compiler, software libraries, vectorization, loaders, control language, accounting procedures and network information. The workshop, which is a part of an ongoing effort to offer courses for both beginner and advanced users, will be presented by the center's staff and Cray Research.

Two tracks will be offered: the beginner track provides for basic information to begin processing on the Cray and the advanced track provides information on using the Cray more effectively in processing (i.e. vectorization, performance monitoring tools, available libraries.)

Users do not have to attend the entire series of workshops. However, the material for each day builds on the preceding day.

Registration forms for the workshops can be obtained through Computer Services in 241 Math Science Building at 372-2102, or from Robert Fyfe, 242C Math Science Building, at 372-2103.

Apply for scholarship

Applications for the Classified Staff Scholarship are currently available to classified staff employees or dependents (spouses and/or children).

Three \$100 scholarships will be awarded at the beginning of the 1988-89 academic year.

Application forms will be available from P.O. Box 91, or from Lois Howe, plant operations and maintenance, Sharon Stuart, food operations, Dick Clark, inventory control or Nancy Lee, popular culture library.

Applications must be returned to one of the above by June 30.

No jobs to be posted

Due to the short holiday week of July 4, no position vacancies will be posted that week by Personnel Support Services.

Classified Employment Opportunities

The following classified positions are available:
New vacancies

Posting expiration date for employees to apply: 10:30 a.m. Friday, June 10. (* indicates that employee(s) from within the department is/are bidding and being considered for the position.)

- | | |
|--------|--|
| 6-10-1 | Word Processing Specialist 1
Pay Range 25
Firelands College
Academic year, part-time |
| 6-3-1 | * Administrative Secretary
Pay Range 28
Academic Affairs |

Faculty/staff positions

The following faculty positions are available:

Educational Curriculum and Instruction (EDCI): Assistant professor. Contact Robert G. Oana (2-7314). Deadline: June 15.

Library and Learning Resources: Government documents, reference librarian. Contact Kathryn W. Thiede (2-7891). Deadline: June 20.

Political Science: Instructor/assistant to the director, Ohio Rural Universities Program. Contact Frank McKenna (2-7273). Deadline: June 15.

School of HPER: Instructor/assistant professor--health education. Contact Molly Laffin (2-6922). Deadline: June 15.

Special Education: Assistant professor. Also, instructor, visiting (temporary, full-time). For both positions, contact Edward Fiscus (2-7358). Deadlines: June 15.

Technology Systems: Assistant professor of technology/construction management and technology. Contact Dr. Benjamin Uwakweh (2-7565). Deadline: July 15.

The following administrative positions are available:

Academic Enhancement: Reading specialist. Also, mathematics specialist. Also, counselor-coordinator, tutorial services. For all positions, contact Annmarie Heldt (2-2558). Deadlines: June 15.

Computer Services: Information services manager. Contact Annmarie Heldt (2-2558). Deadline: June 7.

Intercollegiate Athletics: Head men's tennis coach (part-time). Contact Chair, Search and Screening Committee, c/o athletic department (2-2401). Deadline: June 23.

Library and Learning Resources: Assistant archivist, at the Institute for Great Lakes Research. Deadline: July 1 or until position is filled. Contact Kathryn W. Thiede (2-7891).

Office of the Vice President for Operations: Vice president for operations. Contact Kay Meier (2-2211). Deadline: Position expected to be filled by Sept. 1.

Placement Services: Assistant placement director. Contact Annmarie Heldt (2-2558). Deadline: July 1.

Wednesday, June 8

UAO Sweet Wednesday, free popsicles or watermelon, 11:30 a.m., Off-Campus Student Center courtyard (or inside if it rains).

Friday, June 10

Board of Trustees Meeting, 10 a.m., Assembly Room, McFall Center.

Golf Scramble, open to all University employees. First tee time is at 2 p.m., Forrest Creason Golf Course. Sponsored by Classified Staff Council. For more information, call Joyce Hyslop at 372-8823.

Sherwood Anderson American Fiction Festival, the two-day festival will take place at Firelands College and in Clyde, Ohio. For more information, contact Dr. W. Jeffrey Welsh or Kathy Emond of the Lake Erie Studies Program, Firelands College, 433-5560, ext. 265.

Saturday, June 11

Buckeye Boys State, through June 19 at various locations on campus.

Sherwood Anderson American Fiction Festival, the two-day festival will take place at Firelands College and in Clyde. For more information, contact Dr. W. Jeffrey Welsh or Kathy Emond of the Lake Erie Studies Program, Firelands College, 433-5560, ext. 265.

Monday, June 13

Computer Seminar, "Introduction to DOS, IBM's Disk Operating System," 1:30-3:30 p.m., 312 Hayes Hall. Sponsored by Computer Services.

Lake Erie Regional Studies Program, four-day conference begins at Firelands College. Registration fee required. For more information, call 433-5560, ext. 265.