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Addictions research center opening here

By Ann Nicholson

A first-of-its-kind center for addictions research (K) is opening at the George Warren Brown School of Social Work, funded by a five-year, $1.9 million grant from the National Institute on Drug Abuse (NIDA). The Conferability and Addictions, Prevention, Intervention and Treatment Center (CAP-IT) will be directed by Arlene R. Stiffman, Ph.D., professor of social work.

The CAP-IT center will support groundbreaking research on addictions intervention for underserved people with mental health and HIV risk problems. The center also will seek to:

- improve the delivery of services to those underserved populations;
- evaluate additional prevention and drug abuse treatment programs; and
- improve the cost and efficiency of treatment services.

"The NIDA center provides an unprecedented opportunity to conduct cutting-edge research that will make a quantifiable difference in helping people with substance abuse problems," said Stiffman, an expert in child and adolescent mental health issues and in HIV risk behaviors. "The majority of substance abuse services are in the health-care sectors where social workers are in the trenches. Experience tells us that clients with combined mental health and addictions problems are in dire need of new interdisciplinary approaches." Shanti K. Khinduka, Ph.D., dean of the social work school, noted that the new center is the first in the nation affiliated with a school of social work. "This innovative center will join our three existing centers — the Kathryn M. Bender Center for American Indian Studies, the Center for Mental Health Services Research and the Center for Social Development — in continuing our tradition of interdisciplinary, practice- and policy-oriented research," Khinduka said. "All of our centers focus on prevention and intervention and are tailored to significant social problems that affect large segments of our society. The studies conducted under the CAP-IT center promise to make a positive impact on the way services are delivered to populations with mental health and drug abuse problems.

As a national leader in drug abuse research, the NIDA center will fund pilot projects, sponsor seminars and publish findings. The center will attract interdisciplinary expertise of University faculty members, drug abuse researchers and prominent practitioners in the field.

In addition to social work professionals, it will bring together economists, psychologists, philosophers, public health workers and researchers from the Brookings School of Social Development — in continuing our tradition of interdisciplinary, practice- and policy-oriented research," Khinduka said. "All of our centers focus on prevention and intervention and are tailored to significant social problems that affect large segments of our society. The studies conducted under the CAP-IT center promise to make a positive impact on the way services are delivered to populations with mental health and drug abuse problems.

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A native of the Ukraine, Sytnik received a master’s degree in biophysics from Kiev State University and a doctorate in the Institute of Biophysics in Kiev. Sytnik was author of more than 20 research articles, publishing his first paper while still a student at Kiev State University.

He is survived by his wife, Victoria; his father; two sons; and a 13-year-old daughter, Svetlana Sytnik, both of Clayton. Arrangements for a memorial service are pending.

The Office of Human Resources (362-4950) will have details about fund-raising activities that will be made to a fund being established for the family. Funds or letters may be sent to the Sytnik family through the Department of the President, Washington University School of Medicine.

Biochemistry faculty member Alexander Sytnik dies at 37

A lexander Sytnik, Ph.D., assistant professor of biochemistry and molecular biophysics at the School of Medicine, died Wednesday, Oct. 25. He was 37.

Sytnik, in his family and co-workers as “Sasha,” arrived on campus three years ago, and was embarking on the next phase of a career as a scientist specializing in the use of fluorescence techniques to study the properties of macromolecules.

“Sasha was a promising young scientist in the exciting field of developing and exciting scientific field,” said Carl Freden, Ph.D., professor and head of the Division of Biochemistry and Molecular Biophysics.

“Even in the short time we were here, many of us came to depend on his expertise and were looking forward to developing collaborative interactions with him. We were deeply saddened by his loss.”

Before his appointment at the School of Medicine, Sytnik had been a faculty member in the Department of Chemistry at the University of Iowa for the past four years. From 1991 through 1996, he completed a postdoctoral fellowship and went on to manage the Molecular Spectroscopy Laboratory at Florida State University’s Institute of Molecular Biophysics.

Stiffman believes social workers are in a unique position to address the complexity of addiction and HIV risk problems. "The field of social work has a singular familiar..."
Osteopathic surgeons at the School of Medicine are testing shock waves to treat heel pain. They say that over 60 million people in the United States suffer from heel pain syndrome. They typically range in age from around 40 to 60 and are often overweight. But in developing countries, it also can be seen among children who wear inappropriate shoes. Three percent of heel pain cases have been found to be due to plantar fascia injuries.

School of Medicine researchers have developed a strategy that enables the bacterium Salmonella to adapt to concentrations of iron that are not normally found in the body. Iron allows red blood cells to carry oxygen around the body. Too much iron is deadly, so cells must regulate its intake, storage and secretion stringently. Iron metabolism in Salmonella has been extensively studied. But Groisman's group is the first to identify a signaling pathway that senses iron outside the cell and then triggers genes that prevent too much iron from getting in.

In the Oct. 27 Record, the Washington University in St. Louis also reported that John F. DiPersio, M.D., Ph.D., has been named the Marvin A. Brenncke Professor of Biological Chemistry at the School of Medicine. He has been a key member of the team that has led the nation in studies of cancer-related inflammation.

In the Oct. 27 Record, the Washington University in St. Louis also reported that Timothy M. Lohman, Ph.D., has been named the Marvin A. Brenncke Professor of Biological Chemistry at the School of Medicine. Lohman studies the unwinding of DNA by proteins called helicases. He is a leader in the field of molecular biology.

Lohman: Studies unwinding enzymes

Lohman studies unwinding enzymes called helicases. Lohman is investigating how these motors proteins are anchored and how they use ATP, the energy supply of cells, to unwind the DNA while also translocating along the DNA filament. His lab also studies the SSB protein, a helix-stabilizing protein that facilitates the unwinding of DNA.

Lohman has published more than 90 journal articles and sits on the editorial boards of Biophysical Journal and the Encyclopedia for Life Sciences. In 1986, he received an American Association for the Advancement of Science and the American Society of Biochemistry and Molecular Biology. He came to the medical school in 1990 as professor of biochemistry and molecular biology. Previously, he was associate professor at Texas A&M University. In 1973, he received a bachelor's degree in chemistry from Cornell University in 1973 and a doctorate in chemical physics from the University of Wisconsin at Madison in 1977.

Brenncke was born in October 1934, leaving a bequest to the University that funds a named professorship in molecular microbiology as well as the new chair in the Department of Biochemistry and Molecular Biophysics, a endowed Brenncke chair in molecular biophysics also has been established.

After graduating from the medical school in 1936, Brenncke served an one-year internship at the Department of Orthopaedic Medicine.

Shock wave therapy approved to treat chronic heel pain

By Joe Diven

Osteopathic surgeons at the School of Medicine are testing shock waves to treat heel pain. They say that over 60 million people in the United States suffer from heel pain syndrome. They typically range in age from around 40 to 60 and are often overweight. But in developing countries, it also can be seen among children who wear inappropriate shoes. Three percent of heel pain cases have been found to be due to plantar fascia injuries.

The iron-sensing pathway also occurs before cells divide, so cells must regulate its intake, storage and secretion stringently. Iron metabolism in Salmonella has been extensively studied. But Groisman's group is the first to identify a signaling pathway that senses iron outside the cell and then triggers genes that prevent too much iron from getting in.

Cells that contain this pathway can survive in 250 times more iron than cells that lack it. The iron-sensing pathway also turns on genes that make Salmonella resistant to the antibiotic polymixin B, which is secreted by a soil bacterium. Although the threat from iron toxicity may seem unrelated to a threat from another microbe, Salmonella is likely to encounter both in the same environment. Groisman suggests that natural selection could have favored the dual response.

"When Salmonella is living in a human or animal host, it makes its home in water or soil," Groisman said. "In fact, it can survive in soil for up to a year. It's ability to persist for so long may help explain why it is so widely transmitted."
Architecture professor, students design Mendelsohn at COCA

by LIAM OTTEN

A professor from the School of Architecture, assisted by two students, has designed a new exhibition dedicated to the work of influential German architect Erich Mendelsohn (1887-1953).

Mendelsohn, a contemporary of Le Corbusier and Ludwig Mies van der Rohe, was one of Europe’s most prolific modernist architects between the world wars. In the United States, he virtually invented the modernist suburban synagogue, with four projects between his arrival in 1941 and his death in 1953. The first of these was the B’nai Amoona Synagogue at 524 Trinity Ave. in University City, commissioned in 1946 and dedicated in 1950. The congregation later moved to West St. Louis County, and the building now is home to the Center of Contemporary Art (COCA).

“Architect of Form and Spirit; Erich Mendelsohn” now on view in COCA’s Glass Pavilion Gallery celebrates the building’s 50th anniversary and features a multi- medium installation designed by Stephen Leet, associate professor of architecture. Aiding Leet were his master’s candidates Joel Weststrate and Laura Lyons, who helped develop the exhibition’s graphics, and art school alumni provided computer support.

“It’s a unique opportunity to design an exhibit about the design and history of a building and have that exhibit installed in the building,” said Leet, whom COCA first approached three years ago. “It’s about scale and means you don’t have to include a lot of the physical complexity of the structure — it’s right there to be experienced.”

Leet said that at the outset, virtually all he had to work with was a folio of black-and-white photographs. Within a few months, however, impressive little detective work had uncovered or been developed from a wide variety of materials and displays. This range from original construction blueprints and a scale model of the building (donated by Helmann, Ohhta and Kasumia Inc.) to archival book and press prints, enlarged graphics, and sketches by the artist and a specially produced videotape. A daylight display that highlights created inside the building at light conditions of the day, work directly from engineering and construction documents, built a precise model of the original sanctuary, calculated the building’s exact scale and proportions, and used a computer program to simulate the movements of the sun.

Mendelsohn, born in Allenstein, East Prussia (now Olsztyn, Poland), studied in Berlin and Munich. At the outbreak of World War I he emigrated in the Central Powers and afterward launched a highly successful architectural practice in Berlin. However, he left Germany — and Naziizing rise — in 1933, fled to Great Britain, then England, Palestine and finally the United States, where he died in 1953.

His trademark curvilinear forms and concrete shell construction brought the modernist aesthetic to projects as diverse as the Einstein Tower in Potsdam, Germany, and the Hadassah University Medical Center in Jerusalem, as well as to office buildings, residencies and retail spaces.

The exhibition remains on view through March 30, 2011, and is accompanied by lectures, tours, films and visits to the public. Gallery hours are 9 a.m. to 9 p.m. weekdays, 10 a.m. to 6 p.m. Saturdays and to 5 p.m. Sundays. For more information, call 722-6555.

Lectures

Friday, Nov. 3


11 a.m. — Mathematics analysis seminar. "Prostate Cancer." Jonathan L. Epstein, professor of pathology, Johns Hopkins University, 362-7206.


Tuesday, Nov. 7


Wednesday, Nov. 8


The congregation later moved to West St. Louis County, and the building now is home to the Center of Contemporary Art (COCA).

Ernesto Naranjo-Menta, architect, Polshek Partnership Architects and Public Works, both of New York City, designed replicates the dramatic highlights and shadows created inside the former B’nai Amoona Synagogue as light conditions change throughout the day. 

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Lectures

Friday, Nov. 3


Wednesday, Nov. 8


Film

Monday, Nov. 6

4 p.m. — Japanese Film Series. "Eat, Drink, Man, Woman." Room 219 Student Union. 935-5156.

Tuesday, Nov. 7


Monday, Nov. 13

4 p.m. — Japanese Film Series. "Sisters of Liverpool." Room 219 Student Union. 935-5156.

Tuesday, Nov. 14


Exhibitions

"Advances for Change: 75 Years of American Women's Film" by Lisa Post-Stein. Exhibit opens Sunday, Oct. 31. Special loan from the University School of Medicine (PROZOSK) and National Women's History Project (NWHP) 800x1054 wus.wustl.edu/events/.

"Sisterhood: A Revisited" (8:30 a.m.). "Treatment of Menorrhagia with Total Abdominal Hysterectomy." Sunny W. Hembree, clinical prof, of obstetrics and gynecology. University Nov. 3-15. Visit the Web site for more information.


5:15 p.m. — Mothers and Babies Research Conference. "Natal Day: Research in Maternal-Fetal Health." Paulos Mathews, Jr., associate prof, of pediatrics, University. 410-617-4813.

6 and 8 p.m. — Travel Lecture Series. "Luminescence in Plants." Sandy Waters, cont. ed. 929-4512.

Saturday, Nov. 4


Monday, Nov. 13

4 p.m. — Japanese Film Series. "Sisters of Liverpool." Room 219 Student Union. 935-5156.

Tuesday, Nov. 14

Sports Section

Volleyball Bears win 12th UAA title
Washington U., ranked third in the nation, defeated the American Volleyball Coaches Association (AVCA) poll, defeated its first four opponents en route to the University Athletic Association (UAA) championship match versus Emory University. The Bears then played an epic, five game match versus the Eagles and won, 3-2, to capture their 12th consecutive UAA title and up their all-time UAA record to 160-1. The two easy wins against Rochester and Bradetski put the Bears in the semfinals vs. Case Western Reserve. After taking control in game two, the Bears cruised to victory with a 15-1 shutout. Junior Pat MacDonald was named to the all-tournament team. The men’s team just missed a team title, finishing with a second place finish.

Football Bears drop championship game
Washington U. had fourth quarter goal from inside the one-yard line with just over a minute left to play, but the University of Chicago held on for a 12-9 win Saturday, Oct. 28, in Chicago. With the victory, the Maroons won the 2000 UAA Championship and reclaim the UAA title. The Bears couldn’t break through to tie the game. Dessel Deslauriers fired three shots for the Bears, but couldn’t find the back of the net.

Music

On Stage
Friday, Nov. 10

Saturday, Nov. 4
1 p.m. Football vs. Ogle College, Dick Springs. Francis Field. 935-5929.

Sunday, Nov. 5

And more...

Worship
Friday, Nov. 3
11 a.m. Catholic Mass. Catholic Student Center. 502 Forum Hall. 506-6191.

Friday, Nov. 10
11 a.m. Catholic Mass. Catholic Student Center. 502 Forum Hall. 506-6191.

Sports
Friday, Nov. 3
2 p.m. Men’s soccer vs. Centre College, Ky. Farmers Field. 935-5205.

Saturday, Nov. 4
8 a.m. STU softball game. Sponsored by St. Louis TSTU Softball. Panama vs. BRCC and Pan American. Millstone Pool. 935-5220.

Saturday, Nov. 11
11 a.m. St. Saint Philo Alliance for Environment. Millstone Pool. 935-5209.

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**Biswas**

**Appointed to new position**

**Biography**

Biswas, appointed to a new position at Washington University, embodies his career’s span across multiple disciplines and institutions.

**Education and Work Experience**

- **Education**
  - A Ph.D. in geophysics from Brown University, where he began his career in 1973.
  - An M.S. in geophysics from the University of Washington, where he started as a WU staff member in 1973.

- **Work Experience**
  - Since 1973, Biswas has worked at Washington University, now as an Associate Director of the University’s Network Software Engineering, and the Innova Laboratory, overseeing the school’s environmental engineering programs.

**Awards and Recognition**

Biswas has received numerous awards for his contributions to the field, including the St. Louis Zoo’s “Distinguished Alumni Award” and the St. Louis Zoo’s “Shaw Medal,” which recognizes outstanding contributions to the University community.

**Personal Life**

Biswas is an active member of the St. Louis community, serving on numerous boards and committees. He is married and has two children, and he enjoys volunteering his time to various local organizations.

**Contributions**

Biswas’s contributions to environmental engineering and education have made a significant impact on the University and the broader community.

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**Founders Day Community service award established**

**Introduction**

The Founders Day Community service award is a recognition given to individuals who have made significant contributions to the University and its community. It is an opportunity for the University to celebrate the work of its members and to encourage others to follow in their footsteps.

**Criteria for Nomination**

The criteria for the Founders Day Community service award are as follows:

- Members of the St. Louis Chapter of the American Institute of Graphic Artists
- Researchers and educators who have contributed to the advancement of the arts and sciences
- Professionals who have worked to enhance the community and improve the quality of life for all residents

**Nomination Process**

Nominations are accepted through January 31, 2001, and recipients are selected by a committee composed of alumni and current faculty.

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**Hilltop Campus**

**Employment**

The Hilltop Campus offers a variety of positions for those interested in joining the University community.

**Department**

- Accounting Department
- Human Resources
- Administration
- Communications

**Position**

- Assistant
- Manager
- Coordinator

**Contact Information**

For more information, please contact the Human Resources Office at 314-935-7378.

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**Medical Campus**

**Dedicated to Public Service**

The Medical Campus is dedicated to public service and community engagement, providing opportunities for students to make a difference in their communities.

**Position**

- Assistant
- Manager
- Director

**Contact Information**

For more information, please contact the Human Resources Office at 314-935-7378.
I. Introduction and policy statement

Washington University is committed to fostering a positive learning and working environment free of sexual harassment and will tolerate no sexual harassment.

Sexual harassment can take many forms that foster a hostile environment or create an intimidating, hostile or offensive work or educational environment.

Washington University is committed to ensuring a positive learning and working environment that is free of sexual harassment.

The University seeks to protect the rights of all persons, accusers and accused, in任何形式 of sexual harassment.

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The best way to deal with sexual harassment is to prevent it.

Education is essential to eliminating sexual harassment. Washington University has developed an ongoing training program. Please call a Sexual Harassment Response Coordinator or Advisor to find out more about these programs, what sexual harassment is, how to respond to it and what to do when someone asks for advice about sexual harassment.

Approved by the Washington University Senate, October 19, 1995.

Approved by the Washington University Senate, April 22, 1996.

Approval approved by the Washington University Senate, April 28, 1996.

This policy supersedes prior University Policies on Sexual Harassment.
Dorothy Edwards, Ph.D., accepted challenge to help make occupational therapy into scientific effort

By Nicole Vines

Dorothy Edwards, Ph.D., accepted challenge to help make occupational therapy into scientific effort

real world," she said. "Carolyn Baum, Ph.D., the Elias Michael Director and associate professor of occupational therapy, said Edwards background in community health issues and her long-standing commitment and outcomes has had a strong impact on the OT field. "She is one of the top experts in the discipline in measuring quality of life," said Baum, who also is a associate professor of neurology. "She has a real commitment and understanding of what people do in their daily lives.

Ironically, Edwards isn't an occupational therapist. She's a psychologist who unexpectedly found a home in the occupational therapy program at the School of Medicine. She admits that she didn't know much about the discipline originally, but after volunteering to help Baum develop a great proposal, Edwards' unequivocal curiosity had her hooked.

Twenty years later, she is an integral piece of the school's highly-regarded OT program. Baum said the program owes Edwards a great deal. "Dorothy was one of the first to step up to the plate and take on the challenge of making this into a scientific effort," she said. "She has helped make an OT discipline out of a previously clinical field.

Edwards grew up with two brothers among the orange groves in Winter Park, Fla., just outside Orlando, in a time she terms "pre-Diabetes." After graduating from a small Catholic high school, she was ready for a change and headed to New Orleans for college.

New direction

Edwards planned to complete a degree in developmental psychol- ogy and research child develop- ment. But while working in a hospital's pediatric unit the summer before her senior year, she was sent to help the short- handed staff in genetics.

"I originally refused to go, until my mother reminded me I would have no money," she said. "One of the first patients I tried to take care of actually threw her lunch tray at me — probably because I said something stupid." What she discovered, though, was that she really liked older people. "They were a lot more interesting than children were to me," she said. "I decided then that I wanted to understand more about older people.

Edwards redefined her direction, even changing her senior thesis to investigate the life satisfaction of elderly people living in congregate housing. With her new interest in older adults, she sought out a graduate program that offered a degree in aging and development, and in 1972, she came to Washington University.

Never one to turn down a new project, Edwards simultaneously started conducting community- based research at St. Louis University's Institute of Applied Gerontology. She also started doing program development and community work in the neighbor- hoods of North St. Louis for the St. Louis Area Agency on Aging.

"The work that Edwards' team performs on a daily basis is invaluable," said David Syrkos, executive director of the St. Louis Area Agency on Aging, said the Alzheimer's project has already provided information that will ultimately affect treatment, services and care for people with Alzheimer's disease. "It was clear to me from interacting with patients and their families that we needed to actually go out and find the individuals who needed care and then provide them with support in their homes," she said. The program isn't entirely altruistic, though. By going to people in their natural environ- ments, Edwards has created a living laboratory that allows her to study how people function in their homes. "She's trying to document how environment and habits of everyday life support functional independence in people with cognitive loss.

Impact on care

Edwards' ultimate goal is to impact the way care is provided. "I believe that we're going to change the way that people with a neurological disorder or disability are treated," she said. At home, Edwards stays just busy. A single mother of four, Edwards laughs now at her college involvement with the Zero Popula- tion Growth Group. "My friends from college continue to remind me of that parade," she said.

She's also embedded in Rich- mond Heights' transportation planning issues. Metrolink is planned to skirt the edge of her neighborhood. "I went to monthly asked questions and all of a sudden I was appointed to the East-West Gateway Cross County Planning Committee," she said. "I'm not sure what my job is, but they do know I read the data and really carefully."

Aside from her personal interest, Edwards is working to ensure that Metrolink is accessible to everyone who needs and wants to use it — yet another way she lives out her long-standing commitment to improving community services for the disabled.