

# MizzouWeekly

**Do the Math**

 Mizzou is second in NSF funding for math education. **Page 3**
**The Buck Stops Here**

 MU junior is one of 70 national winners of Truman Scholarship. **Page 2**
**Aging in Place**

 Nursing program advises elderly on lifestyle choices. **Page 6**
**April 15, 2004**

University of Missouri-Columbia

*You're invited to Tap Day tomorrow, April 16 at 2 p.m. on Francis Quadrangle.*

## Finding answers to unsolved problems

**YOUNG MINDS**

MU's undergraduate researchers showcase their projects at the local, state and national levels

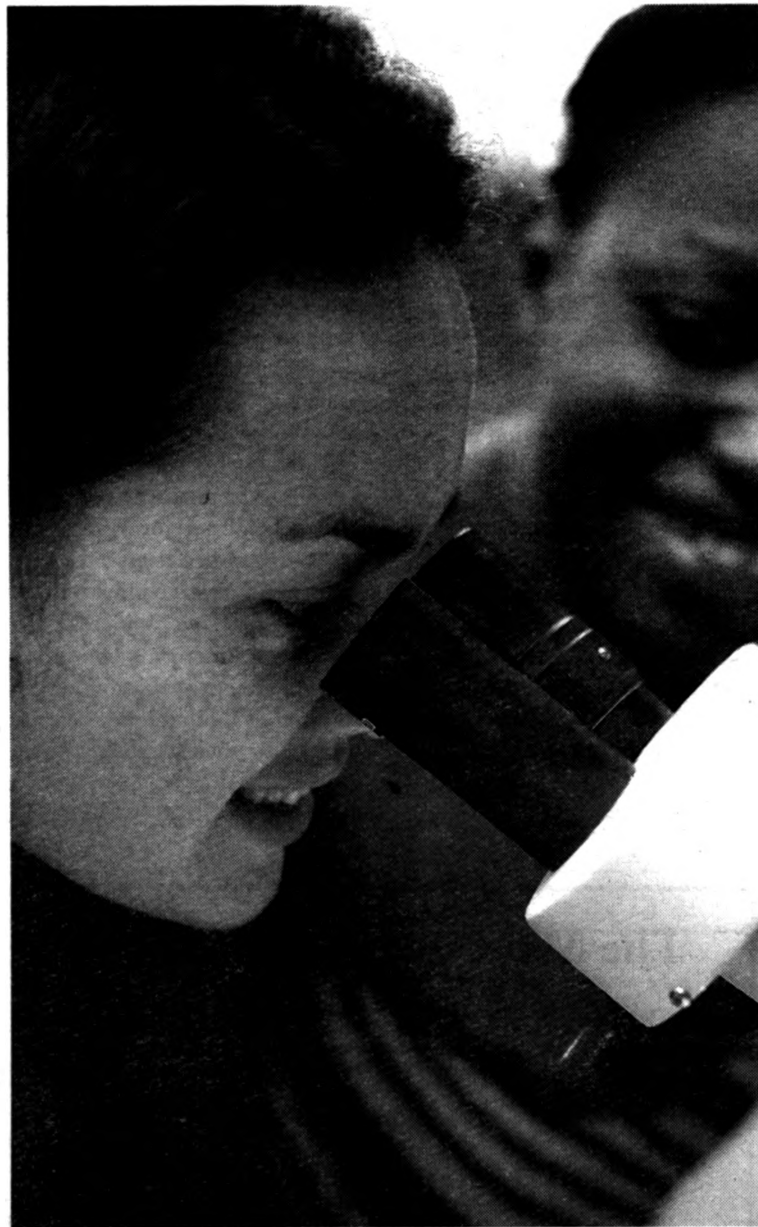
**S**cott Schoenleber is putting a dent in diabetes, and there is substantial evidence that shows he is making significant progress toward preventing juvenile, or type 1, diabetes, in mice.

Since he was a freshman, Schoenleber of Columbia has worked in the molecular microbiology and immunology laboratory of Professor Habib Zaghouani. "My research involves the use of an antigen-specific drug designed to turn off the pathogenic T lymphocytes that cause diabetes," says Schoenleber, a junior biology and

**HANDS-ON RESEARCH**

Katie Connolly, left, a senior majoring in biological sciences, and Gesulla Toussaint, a student from Barry University in Florida who was at MU for an NSF-funded program that provides undergraduate research experiences, worked last year in the laboratory of Anand Chandrasekhar, associate professor of biology. They are a few of the many undergraduates who receive unique hands-on research experiences at Mizzou.

Steve Morse photo



Spanish major. The remedy has been up to 90 percent effective at suppressing the disease in certain treatment groups of mice, he says, but the real challenge in his research has been to understand how and why the drug works so well.

Juvenile diabetes affects more than 1 million people in the United States, regardless of gender or ethnic background. It develops when the immune system turns against the body, or, more specifically, against the beta cells in the pancreas that produce insulin, a hormone that helps break down glucose in the blood.

"Understanding preventative strategies is important because there are no lifestyle changes that can prevent type 1 diabetes," says Schoenleber, a 2004 Goldwater Scholar. "The disease often afflicts children with no family history of the disease," he says, "and because it affects people of a young age, medical costs associated with diabetes are extremely high and complications often severe."

Schoenleber is one of the more than 350 undergraduate students at MU conducting original, hands-on research with renowned faculty members like Zaghouani who, he says, has taught him the importance of dedication. "Even with

intelligence and natural ability, it is impossible to achieve success without having drive, perseverance and dedication" Schoenleber says, adding that his dogged pursuit of their project has "refined my critical thinking skills and sharpened my ability to communicate difficult concepts in both scientific and nonscientific settings."

More than anything, faculty members yearn for that flicker of intellectual inspiration in their students that is created when they become excited about what they are learning in the classroom "When students work with mentors in the lab, they understand where this excitement comes from and what drives their faculty members," says Jim Coleman, vice provost for research. "That makes for a much more rich, engaging intellectual community."

In his 15 years as a faculty mentor, Zaghouani says Schoenleber is "one of the best experiences I have ever had this far with an undergraduate student. His intentions are to pursue an MD-PhD program, and I support him 100 percent."

In the meantime, Schoenleber will present his research to Congress at the U.S. Capitol on April 20. Of 65 students nationwide, he is one of two MU students chosen to go to Washington, D.C., as part of the national Council on

**SEE Research on Page 8**

## TigerPlace: grabbing retirement by the tail

**INDEPENDENT LIFESTYLE**

New retirement community, affiliated with the School of Nursing, offers a novel approach to healthy living

**A**n nursing tradition that went by the wayside 27 years ago recently was recreated for a special occasion. In December, Dean Rose Porter performed the final capping ceremony of the School of Nursing's 100th anniversary when she helped place a replica of the Jesse Hall dome on TigerPlace. The new community development,

designed specifically for residents to age in place, is set to open in May at 2910 Bluff Creek Drive.

A team of nurses and researchers visualized such a place almost a decade ago and worked diligently to prepare the School of Nursing to take the lead in nursing home improvements. They envisioned a resource that would allow seniors to grow old with dignity, without having to move as their care needs increase. It would be a home where residents could bring their pets to live with them and even receive transportation to community events. In a

nutshell: a place where they could maintain their independent lifestyle.

The visionaries' dream came to fruition in 2001, when the school entered into a partnership with Americare Systems, a Missouri-based senior care and housing provider. "We spent years planning this innovative approach to senior care," Porter says, "and we couldn't be more pleased that it was Americare that stepped forward in making our vision a reality."

Americare agreed to construct the building, staff the facility and handle renting its units.

Although initially the nursing school was to be the only link between the University and Americare, Porter says TigerPlace is now a fully interdisciplinary project. "We decided there are so many exciting things happening on campus, that we got everyone involved," she says, explaining that every MU school and college will contribute to conducting research and providing educational experiences for students.

TigerPlace is one of only four pilot sites approved by the state to provide care using the aging-in-place concept. The philosophy behind this model of senior care is for the elderly to receive

health care in their preferred place of living. As their needs increase, residents contract for more care in the same setting, eliminating the need for a move to a more restrictive living environment such as a nursing home.

It's only fitting that TigerPlace's first executive director, Charles "Chuck" Servey, would be a Tiger. A Mizzou Tiger, that is. He earned a master's degree in business and public administration at the University in 1990 and has worked for more than 25 years in the field of nonprofit health care and social services. He spent most of his career in

**SEE TigerPlace on Page 6**

**Five more Kempers named**

The appearance of Chancellor Richard Wallace in classrooms around campus this week brought smiles to the faculty members teaching there and to their students alike. Wallace awarded five more Kemper Awards for Teaching Excellence; the remaining award will be presented later this week.

Since 1991, the awards honor 10 outstanding MU teachers each year with a \$10,000 award for teaching excellence. The awards are funded through gifts from the

William T. Kemper Foundation. Kemper, a 1926 MU graduate, was a well-known banker and civic leader in Kansas City until his death in 1989.

Wallace awarded the first four Kemper Awards last week. Five more faculty members received the prestigious awards this week. They are: Bryan Garton, associate professor of agricultural education; Mary Ann Gowdy, assistant professor of plant science; Margaret (Molly) Olsen, assistant professor of Spanish; Lawrence Ries, associate chair of statistics; and Nancy West, associate professor of English.

**Four-legged fun**

The campus and Columbia communities are invited to enjoy a tail-wagging good time at an open house this weekend at the College of Veterinary Medicine. The free event will be held from 9 a.m. to 4 p.m. Saturday, April 17.

Tim and Terry, the college's mule team, will give wagon rides from 1 p.m. to 3 p.m. Or you can meet the famous Anheuser-Busch Clydesdales and tour Clydesdale Hall, the college's teaching hospital. Many of the college's special-interest student organizations will be on hand. In addition, there will be jumping mules,

police dogs, a horseshoeing demonstration and an exhibit of injured birds of prey that have been rehabilitated by MU's Raptor Rehabilitation Club.

**MU police reaccredited**

After a thorough review, the Commission on Accreditation for Law Enforcement Agencies has reaccredited the MU Police Department. It is one of only 15 agencies in Missouri and 32 college and university police departments nationwide to have earned such an accreditation.

"Accreditation illustrates our

department's high level of professionalism and that we're current with law enforcement services for our community," says Jack Watring, the department's interim chief. "This recognizes the efforts of department members who perform their duties professionally on a daily basis."

An evaluation team visited campus for four days in December 2003 and reviewed departmental records, procedures, manuals, investigative reports and other law enforcement files. The team accompanied officers and spoke to office staff to ensure

**For Truman Scholar, the bucks stopped here**

**PUBLIC SERVANT**

MU junior is one of 70 nationwide to win prestigious scholarship

**A**s a recently named Truman Scholar, college junior Dylan Sullivan is far more than at the top of his class. The MU junior has distinguished himself as one of the nation's best and brightest students.

"For undergraduates who dream of a career in public service, receiving a Truman

Scholarship is the equivalent of an aspiring athlete making the NCAA tournament," says Rick Hardy, associate professor of political science and Truman Scholar adviser. "Dylan underwent a rigorous application process and many grueling interviews before earning this honor."

The Truman Scholarship Foundation awarded 70 college students the prestigious Truman Scholar title along with a \$26,000 scholarship. These scholarships are awarded to

college juniors who demonstrate outstanding leadership potential and a commitment to careers in government, advocacy, education or other public sectors. Congress established the foundation in 1975 as a memorial to the nation's 33<sup>rd</sup> president and developed the Truman scholarship to financially assist exceptional college students pursuing professional and graduate degrees.

MU's 2004 Truman Scholar is a native of Bowling Green, Ky. Sullivan, who is majoring in


environmental geology and political science, originally had dreams of pursuing a career in journalism. In high school, he was named "Kentucky High School Journalist of the Year."

In college, his attention turned toward public service. Sullivan advocated for MU to stop buying coffee from companies that use child labor. His efforts led to a partnership with Oxfam America, a non-governmental organization dedicated to finding long-term solutions to poverty, hunger and

social injustice. As a result of his advocacy, MU adopted a policy that mandates vendors to sell only fair-trade certified coffee. As a city management intern in Ashland, Mo., last year, Sullivan researched, wrote and defended the new storm water and erosion control ordinance.

"I will use the scholarship to get a master's in urban planning at Harvard, MIT, New York University or the University of Pennsylvania," Sullivan said. "I wish to work as a city planner for a large American city before entering municipal politics."

This year, MU chose three Truman Scholar candidates from a pool of 80 potential nominees. Sullivan, along with MU juniors Jason Nonamaker and Kristen Durham, all successfully continued to the final round based on their community service, government involvement, leadership, academic performance, writing and analytical skills, and proposed career in public service.



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882-4568

**OFF HOURS METERED PARKING**  
**VIRGINIA AVENUE GARAGE**


Metered parking is now available in Virginia Avenue Garage on level 2 and above during the following time periods: Monday - Thursday: 5:00 PM - 3:00AM & Friday 5:00 PM - Monday 3:00 AM  
Parking rate .50 PER HOUR

The metered pay station is located at Stair #1 on level 2 next to the coin exchanger.  
Metered parking is ONLY available during the times listed above.

<http://mubsweb.missouri.edu/parking>

**The MU College of Business**  
presents the  
John Schram Lecture in International Business

**Management Consulting and "Made in the USA" - Still True?**




Edward N. Eschbach  
Deloitte Consulting, Italy

CEO-Director, Deloitte Consulting, Italy (Ret.) with projects in Europe, Japan, Hong Kong, Turkey, Afghanistan and Iran

**Tuesday, April 20, 2004 • 3:45 pm**  
**Bush Auditorium • Cornell Hall**

The lecture is free and open to the public.  
Parking is available on the upper level of Turner Avenue Garage. For more information, call the College of Business at 882.6768.

 **College of Business**  
University of Missouri-Columbia

**MizzouWeekly**

**Volume 25 No. 27**  
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**Assistant** Karen Kopff  
**Photographers** Rob Hill, Steve Morse  
**Writer/designer** Sue Richardson



that officers' actions complied with department policies and procedures as well as with the commission's standards.

"The assessment team observed the University of Missouri-Columbia Police Department to be a full-service, community-oriented law enforcement agency that enjoys a high level of trust and support from its campus community," said Judith King, leader of the commissioning team that assessed the police department. "The men and women of the department are enthusiastic professionals who are building a public safety partnership with their campus

community and surrounding local and state law enforcement agencies. The quality of the department's services is outstanding." The commission will reassess MU's Police Department in three years.

**Best of Mizzou**

Each year, the MU Alumni Association honors alumni and faculty members for their contributions to the University of Missouri. The winner of the 2004 Distinguished Alumnus Award is William S. Thompson Jr., BS CiE '68, managing director and CEO of the Pacific

Investment Management Co. Elaine Lawless, professor of English and women's studies, was selected to receive the Distinguished Faculty Award. The awards will be presented at a dinner Oct. 1.

This year's Faculty Award winners are: William Benoit, professor of communication; Lenworth Johnson, professor of ophthalmology and neurology; Barbara Reys, M Ed '79, EdS '82, PhD '85, professor of mathematics education; Robert E. Reys, EdD '66, professor of education; Sherod Santos, professor of English; Benyamin Schwarz, professor of environmental design; and

Flore Zephir, professor of Romance languages and literature.

Alumni Award winners for 2004 are: Maurine H. Beasley, BJ '58, BA '58, professor of journalism at the University of Maryland; Glenn D. Chambers, MA '61, wildlife photographer with Paddlefoot Productions Inc.; Moo-Nam Chung, PhD '83, director general of the Korean Rural Development Administration; Ann King Dickenson, BS Ed '66, chair of Dickinson Financial Corp.; Tahira K. Hira, MS '73, PhD '76, associate vice provost at Iowa State University; Timothy M. Kaine, BA '79, lieutenant

governor of Virginia; Clarence L. Mabin, BS, CiE '61, president of Custom Engineering inc.; Richard G. Miller, BA '70, DL '00, president and CEO of Miller's Professional Imaging; Dennis L. Schmitt, BS Ag '69, MS '74, DVM '78, PhD '86, professor of agriculture at Southwest Missouri State University; and Young-Hee Suh, MA '68, vice president of Sun Moon University in Korea.

**Mizzou is second in NSF math education funding**

**DO THE MATH**  
\$6.8 million in grants support curricular efforts

Researchers at the College of Education can add one more item to their list of accomplishments. MU ranked second nationally in total funding from the National Science Foundation's Division of Elementary, Secondary and Informal Science Education in 2003. Only the University of California-Berkeley had more funding for the year.

"We have been on a journey for a decade to become national leaders in mathematics and

science education," says Richard Andrews, dean of MU's College of Education. "The first step was to hire outstanding mathematics and science education faculty. This is further evidence that we have achieved that goal."

"This result truly speaks to the excellence of our faculty," says Jim Coleman, vice provost for research. "The funding recognizes MU and its partners as national leaders in the study of K-12 mathematics curriculum."

The funding, totaling \$6.8 million, consisted of three grants representing collaboration among faculty in the College of Education's mathematics

education department and the mathematics department in the College of Arts and Science:

- \$4 million to help establish the Center for the Study of Mathematics Curriculum.

- \$2.4 million for continuing the work of the Show-Me Center, which supports implementation of high quality middle grades mathematics curriculum materials.

- \$400,000 for the development of courses and recruitment models for attracting and preparing middle grade mathematics teachers.

The new Center for the Study of Mathematics Curriculum will

serve K-12 by focusing research efforts on the role and impact of mathematics curriculum materials. It will help build a foundation for future curriculum research and development efforts by increasing the size and curriculum focus of the doctoral program in mathematics education at MU.

Mathematics educators and mathematicians at MU are partnering on each of the grants. The development and use of quality curriculum materials for preparing teachers and K-12 students is a central theme of their work.

"Textbooks are a staple in

most mathematics classrooms, guiding what students learn and how teachers teach," says

Barbara Reys, professor of mathematics education and director of the center. "The Center for the Study in Mathematics Curriculum and the Show-Me Center will seek research-based answers to inform educators and policy makers as they make decisions about curriculum standards and textbooks."

Last year, MU reported \$205 million in total research and development expenditures, money spent on research. This is a 16 percent increase from the year before.

**Targeting asthma**

**ATTACK TRIGGERS**  
MU team trains volunteers to combat asthma

More than 600,000 Missourians and 14 million people nationally suffer from asthma. Five million children have the disorder, which is a leading cause of school absenteeism, and outpatient clinics are overwhelmed with asthma patients. MU is working to reduce those numbers with a new public education program.


According to figures from the Missouri Department of Health and Human Services, 11 of the 15 counties in southeast and south central Missouri have more than the average number of asthma cases. In response, an MU research team launched the Rural Community Asthma-Environmental Control Training Project to train community volunteers in those areas to help residents combat the problem. Terri Dobe, respiratory therapy clinical instructor, says the training focuses on the five

major asthma triggers: secondhand smoke, dust mites, pets, molds and pests.

"The prevalence of asthma is increasing and an essential treatment is education about the common asthma triggers," Dobe says. "While asthma is considered a chronic condition, it is manageable and treatable. People can and should live a normal life with asthma."

Dobe says not allowing smoking in the home, washing bed linens weekly in hot water, choosing washable stuffed toys for children and washing them often in hot water, keeping pets outdoors, fixing leaking plumbing, venting clothes dryers to the outside, and washing mold off hard surfaces are easy ways to clear a home of asthma triggers.

She says there are some signs to look for in spotting asthma. "The typical symptoms are wheezing, coughing and difficulty breathing," Dobe says. "If a child or adult has these symptoms, they should seek medical attention immediately. Don't ignore these signs."



**University of Missouri System**  
**2004 Supplier Diversity Conference**

Thursday, April 22, 10 a.m. - 3 p.m.  
Reynolds Alumni Center

**Attention: Buyers & ProCard Users**

- ◆ Do you spend valuable time searching for companies that supply products and services your department needs?
- ◆ Would you like to expand your list of potential suppliers of products and services?
- ◆ Would you like to build relationships with your suppliers so they can assist you with your buying needs?

If your answer is "yes," please register for the 2004 Supplier Diversity Conference and meet Missouri businesses that are "willing to go that extra mile" to meet your needs.

[www.umsystem.edu/mgt/serv/mbewbe/homepage.htm](http://www.umsystem.edu/mgt/serv/mbewbe/homepage.htm)

For additional information, contact Debbie Heath at 882-2707 or [heathd@umsystem.edu](mailto:heathd@umsystem.edu)

# calendar



## Concerts & Plays

### Thursday, April 15

**FACULTY RECITAL:** The Missouri Quintet will perform at 3 p.m. in Whitmore Recital Hall. Suggested donation \$5; free for MU students with IDs.

### UNIVERSITY CONCERT

**SERIES:** Folk music legends Peter, Paul and Mary will perform at 7 p.m. in Jesse Auditorium. For ticket information, call 882-3781.

### Friday, April 16

**STUDENT ENSEMBLE SERIES:** The Symphonic Wind Ensemble will perform at 8 p.m. in Jesse Auditorium. Guest

conductors John Bourgeois, former director of the Marine Band, and Robert Foster, former director of bands at the University of Kansas, will direct an evening of music by John Phillip Sousa titled "Stars, Stripes and Sousa." Donations will be accepted.

### Saturday, April 17

#### STUDENT ENSEMBLE SERIES:

• Concert Chorale will perform at 2 p.m. at Columbia's First Baptist Church, 1112 E. Broadway. Suggested donation \$5; free for MU students with IDs.

• The Symphonic Band and University Band will perform at 8 p.m. in Jesse Auditorium. Suggested donation \$5; free for MU students with IDs.

### Sunday, April 18

**FACULTY RECITAL:** Guitarist Rusty Jones and flutist Lara Langeneckert will perform at 8 p.m. in Whitmore Recital Hall. Suggested donation \$5; free for MU students with IDs.

**JAZZ SERIES:** The Monty Alexander Trio will perform at 3:30 and 7 p.m. at Murry's, 3107 Green Meadows Way. Tickets are available at all Ticketmaster locations or call 449-3001.

### Thursday, April 22

**THEATER SERIES:** *School for Scandal* will be performed at 8 p.m. today through April 24, April 29 and 30 and May 1, and at 2 p.m. May 2 at the Rhynsburger Theatre. For ticket information, call 882-PLAY.

## Conferences

### Thursday, April 22

**SUPPLIER DIVERSITY CONFERENCE:** MU department representatives with purchasing responsibilities are invited to meet and build relationships with members of Missouri's minority business community from 10 a.m.-3 p.m. in the Reynolds Alumni Center. UM President Elson Floyd will speak at noon at an awards luncheon. Registration is required at the event Web site at [www.umsystem.edu/mgtserv/mbewbe/homepage.htm](http://www.umsystem.edu/mgtserv/mbewbe/homepage.htm).

### Friday, April 23

**ONCOLOGY CONFERENCE:** "Men's Health and Cancer" will begin at 7:30 a.m. today and continue through tomorrow for physicians, scientists, nurses and other health professionals who care of cancer patients. For more information, contact Elaine Rogers at 882-0366.

## Courses & Workshops

### Friday, April 16

**HUMAN RESOURCES WORKSHOP:** "Time Management" will be presented from 9-11 a.m. in S203 Memorial Union. Registration is required; call 882-7760.

### Tuesday, April 20

**COMPUTING WORKSHOP:** "Dreamweaver: Cascading Style Sheets" will be presented at 1 p.m. in N15 Memorial Union. Registration is required; call 882-2000 or go to [iatservices.missouri.edu/training](http://iatservices.missouri.edu/training)

### Wednesday, April 21

**COMPUTING WORKSHOP:** "Web Authoring Fundamentals" will be presented at 1 p.m. in 215 Telecom Building. Registration is required; call 882-2000 or go to [iatservices.missouri.edu/training](http://iatservices.missouri.edu/training)

### Thursday, April 22

**COMPUTING WORKSHOP:** "XHTML 2: Page Organization & Enhancement" will be presented at 1 p.m. in 215 Telecom Building. Registration is required; call 882-2000 or go to [iatservices.missouri.edu/training](http://iatservices.missouri.edu/training).

## Exhibits

**BRADY GALLERY:** "Fergus Moore Thesis Exhibition" will be on display April 19-May 7. Brady Gallery is located in 203 Brady Commons and hours are Mon-Thurs 10 a.m.-9 p.m., Fri. 10 a.m.-5 p.m., Saturday 10 a.m.-4 p.m. and Sunday 4:30-6:30 p.m.

**BINGHAM GALLERY:** "Flawed Witness," an exhibition of fiber art by Betsy Knabe Roe will be on display April 19-May 5. An opening reception will be held from 4-6 p.m. April 22. The gallery, located in the Fine Art Building, is open from 8 a.m.-5 p.m. Monday to Friday.

### MUSEUM OF ART AND ACHAEOLOGY:

- "Art about Art" will on display through 2004.
- "Graphic Diversity: 500 Years of Printmaking" will be on display through May 22.
- "Selections of Ancient Glass" will be on display through 2004. The museum, located in Pickard Hall, is open from 10 a.m.-4 p.m. Wednesday-Saturday.

## Lectures & Seminars

### Thursday, April 15

**INTERNATIONAL AFFAIRS SEMINAR:** The Rev. Bob Edgar, a former U.S. congressman who is now general secretary for the National Council of Churches, will present "The Role of Faith Communities in the U.S. Foreign Policy Today" at noon in S203 Memorial Union.

**ART HISTORY LECTURE:** Bernadette Fort from Northwestern University will present "The Greuze Girl and the Seduction of the Beholder" at 4 p.m. in 106 Pickard Hall. A reception will follow the lecture.

**CHEMICAL ENGINEERING LECTURE:** Joel Fried from the University of Cincinnati will present "Molecular Simulations of Ion and Gas Transport in Macromolecular Systems" at 3:30 p.m. in Ketcham Auditorium.

**NURSING SEMINAR:** Joseph Hinkebein, clinical associate professor of health psychology will present "Aging and Traumatic Brain Injury: Mechanisms and Neuropsychological Profile Similarities with Alzheimer's Disease" at 4 p.m. in MA306-0 Medical Sciences Building.

**NUTRITIONAL SCIENCE SEMINAR:** Kevin Short, a research associate with the Endocrinology Research Unit at the Mayo Clinic, will present "Aging and Aerobic Exercise Effects on Muscle Mitochondrial Metabolism" at 4 p.m. in 209 Gwynn Hall.

**CONSERVATION BIOLOGY LECTURE:** Jon Erickson, professor of ecological economics at the University of Vermont, will present "I Have Seen the Enemy and He is an Economist: Economic Lessons for the Ecologically Literate" at 4 p.m. in 112 LeFevre Hall.

**LITERARY ARTS READING:** Novelist Elizabeth Strout will read from her work at 7 p.m. in Allen Auditorium in the Arts and Science Building.

## Albrecht – Earth Day Lectures

Monday, April 26

Dr. Pedro Sanchez

\*2002 Recipient of the World Food Prize\*  
and Co-Director of the U.N. Millennium Project  
on Hunger and the Environment

#### Afternoon Lecture:

A Soil Scientist's Perspective on World Hunger, the Environment and Future Options

4 p.m.

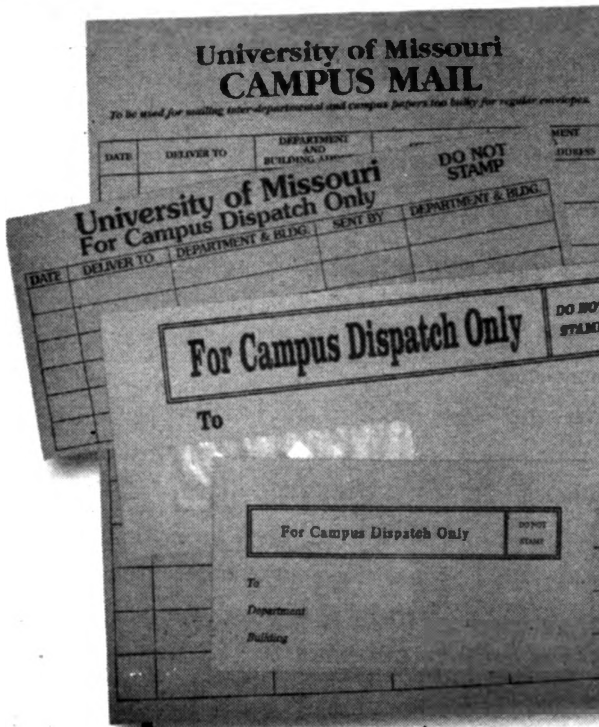
Conservation Hall  
Anheuser-Busch Natural Resources Building  
(Rollins & Hitt)

#### Evening Lecture:

The United National Millennium Project: Balancing Hunger and the Environment

7:30 p.m.

Bush Auditorium  
Cornell Hall (south of the Reynolds Alumni Center)



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**Friday, April 16**

**LITERARY ARTS LECTURE:**

Novelist Elizabeth Strout will present "The Authority of the Writer" at 4 p.m. in 104 Tate Hall.

**Monday, April 19**

**JOURNALISM SEMINAR:**

Byron Scott, professor of journalism, will present "Curriculum Reform at Moscow State University" at noon in 85 Gannett Hall.

**SOIL SCIENCE SEMINAR:**

Tshepiso Seobi, a graduate student in soil science, will present "Soil Hydraulic Properties as Influenced by Grass and Agroforestry Buffer Strips" at 4 p.m. in 123 Natural Resources Building.

**Tuesday, April 20**

**WOMEN'S STUDIES**

**LECTURE:** Sarah Gallagher will present "A View From the Ground: Activism in a Community Context Translated Into a Career" at this brown-bag event at noon in 303 Switzler Hall.

**HEALTH PROFESSIONS**

**SEMINAR:** Damascene Kurukulasuriya, a geriatrician and clinical assistant professor of internal medicine, will present "Polypharmacy: An Interdisciplinary Approach" at noon in 513 Lewis Hall.

**INTERNATIONAL BUSINESS**

**LECTURE:** Edward Eschbach, CEO and director of Deloitte Consulting, Italy, will present "Management Consulting and 'Made in the USA' — Still True?" at 3:45 p.m. in Bush Auditorium in Cornell Hall.

**HORTICULTURE LECTURE:**

Leszek Vincent, a candidate for a horticulture faculty position, will present "Medicinal Plants: South Africa and the American Connection" at 7 p.m. in Room 2-7 Agriculture Building.

**Wednesday, April 21**

**MICROBIOLOGY & IMMUNOLOGY**

**LECTURE:** John Engelhardt, professor of anatomy and cell biology and director of the Gene Therapy Center at the University of Iowa, will present "Gene Therapy for Cystic Fibrosis Lung Disease: Are We on Target?" at 11 a.m. in Acuff Auditorium in the Medical Sciences Building.

**WELLNESS SEMINAR:** As part of Wellness Month 2004, "Makeover Your Menu" will be presented from noon-1 p.m. in 234 Brady Commons.

**Thursday, April 22**

**CHEMICAL ENGINEERING**

**LECTURE:** Christopher Bowman from the University of Colorado will present "Novel Photopolymerization Methods and Their Exploitation for Emerging Applications" at 3:30 p.m. in Ketcham Auditorium in the Engineering Building East.

**NEUROSCIENCE PROGRAM**

**SEMINAR:** Tom Carew from the University of California-Irvine will present "How Time Flies: The Molecular Architecture of Memory in *Aplysia*" at 3:30 p.m. in 18 Tucker Hall.

**Monday, April 26**

**PUBLIC AFFAIRS LECTURE:**

Ted Morse, a longtime U.S. State Department official who most recently was provisional

governor of Baghdad, will present "Toward a Paradigm of Conflict Prevention" at 3:30 p.m. in the Memorial Union Auditorium.

**Meetings**

**Thursday, April 15**

**FACULTY COUNCIL:** The council meets at 3:30 p.m. today and May 6 in S203 Memorial Union.

**Thursday, April 22**

**STAFF COUNCIL:** The Staff Advisory Council meets at 1:15 p.m. today and May 13 and 27 in S204 Memorial Union.

**Special Events**

**Saturday, April 24**

**CANCER RESEARCH BENEFIT:** The Jay Dix Challenge to Cure is a run/walk event in memory of Jay Dix, a

pathology professor and medical examiner who fought his own battle with cancer, that begins at 9 a.m. at the Heinkel Building parking lot at Six and Elm streets. For registration and cost information, visit

www.challengetocure.org or call Mackenzie at 446-7023.

**MUSEUM GALA:** The Museum Associates of the Museum of Art and Archaeology will present "Swing Time," and evening of music, dining, dancing and a silent auction and raffle to

benefit the museum beginning at 7 p.m. in the Peachtree Ballroom at 120 E. Nifong Blvd. Cost: \$50 per person. Registration is required by April 24; call 882-6724 or e-mail coxb@missouri.edu.

# Congratulations

The following University Physicians have been selected for inclusion in the 2003-2004 Best Doctors® in America.

More than 30,000 physicians throughout the United States were asked to rate the clinical abilities of other doctors in their area of specialty. Those physicians who earned the consensus support of their peers were named to this prestigious list as one of the nation's best doctors.

University of Missouri Health Care is proud to recognize these fine physicians who also serve on the active faculty of the MU School of Medicine. Achieving this singular honor is a testament to their expertise in their chosen medical field and to the extraordinary care they provide their patients.

**MU faculty physicians**

**ANESTHESIOLOGY**  
Scott McCord, MD

**ALLERGY AND IMMUNOLOGY**  
Peter König, MD, PhD

**CARDIOVASCULAR DISEASE**  
Kul Aggarwal, MD  
Greg Flaker, MD  
Richard Webel, MD

**DERMATOLOGY**  
David Clark, MD

**ENDOCRINOLOGY**  
James Sowers, MD

**FAMILY MEDICINE**  
Jack Colwill, MD  
Anne Fitzsimmons, MD  
Elizabeth Garrett, MD  
James Kinderknecht, MD  
Michael LeFevre, MD  
David Mehr, MD  
Erika Ringdahl, MD  
Harold Williamson Jr., MD  
Steven Zweig, MD

**GASTROENTEROLOGY**  
Paul King, MD  
John Marshall, MD

**HAND SURGERY**  
Barry Gainor, MD  
Lin Puckett, MD

**INFECTIOUS DISEASES**  
Gordon Christensen, MD  
Dale Everett, MD  
William Salzer, MD

**INTERNAL MEDICINE (GENERAL)**  
Richard Burns, MD  
Kristin Hahn-Cover, MD

**MEDICAL GENETICS**  
Judith Miles, MD, PhD

**MEDICAL ONCOLOGY AND HEMATOLOGY**  
Michael Perry, MD

**NEPHROLOGY**  
Ramesh Khanna, MD

**NEUROLOGICAL SURGERY**  
David Jimenez, MD  
John Oro, MD

**NEUROLOGY**  
Harry White, MD

**OBSTETRICS/GYNECOLOGY**  
John Cassels Jr., MD  
John Gay, MD  
Jacqueline Grant, MD  
William Griffin, MD  
Susan Winkelmann, MD

**OPHTHALMOLOGY**  
John Cowden, MD  
Joseph Giacomio, MD  
Lenworth Johnson, MD

**ORTHOPAEDIC SURGERY**  
Jason Calhoun, MD

**OTOLARYNGOLOGY (ENT)**  
Karen Calhoun, MD  
William Davis, MD

**PATHOLOGY**  
John Bickel, MD  
Alberto Diaz-Arias, MD  
Timothy Loy, MD

**PEDIATRICS**  
Michael Cooperstock, MD  
(Infectious Diseases)  
David Goldstein, MD  
(Endocrinology and Diabetes)  
Ted Groshong, MD  
(Nephrology)  
Nasrollah Hakami, MD  
(Hematology and Oncology)  
Richard Hillman, MD (Genetics)  
Elizabeth James, MD  
(Neonatology)

Peter König, MD  
(Pulmonary Medicine and Allergy)  
Zuhdi Lababidi, MD  
(Cardiology)  
Judith Miles, MD, PhD  
(General)  
Paul Robinson, MD  
(Adolescent Medicine)  
Thomas Selva, MD (General)  
Joseph Tobias, MD  
(Anesthesiology and Critical Care)

**PHYSICAL MEDICINE AND REHABILITATION**  
Michael Acuff, MD  
Robert Conway, MD

**PLASTIC SURGERY**  
Lin Puckett, MD

**PSYCHIATRY**  
Bernard Beitman, MD  
Arshad Husain, MD

**RHEUMATOLOGY**  
Sara Walker, MD

**SURGERY (GENERAL)**  
Debra Koivunen, MD  
Brent Miedema, MD  
Kirt Nichols, MD  
Boyd Terry, MD

**UROLOGY**  
Gilbert Ross Jr., MD



**TIGERPLACE** from Page 1 organizations servicing individuals with developmental disabilities

"Land, labor and capital are my expertise, and working with seniors and elders is not dissimilar," he says. "It is a blessing to work in an aging-in-place demonstration project that is new and different, and that is on the cutting edge of best practice."

What is being measured, Servey says, is whether the community can operate in a cost-effective manner as well as provide an excellent quality of life for the residents. "I am hopeful that we can be successful at it so that it can be replicated in other communities across the state and country."

More than 25 percent of the 33 units are rented so far, Servey says. The maintenance-free community, just minutes from campus, offers studio, and one- and two-bedroom apartments connected through a common interior. Each apartment features a spacious kitchen and full bath. A screened in porch or patio is available on all units except for studio apartments. Monthly rent includes housekeeping, choice of

dining packages, concierge service with scheduled transportation, and access to on- and off-site University-related activities and events.

A comprehensive health and wellness program called TigerCare, will be provided by the Senior Care, a full-service, licensed home-health agency operated by the School of Nursing since 1999. Senior Care is certified for Medicare and private insurers, and serves the Columbia area.

For more information about TigerPlace or to reach Servey call TigerPlace's toll free number at (866) 287-3440 or e-mail him at TigerPlace@americareusa.net.

Porter says the new community promises to be a model of gerontological/geriatric education, research, care delivery and environmental design for the 21st century. "TigerPlace is a living laboratory in many regards for us to learn from the wonderful people who live there about what works for them in their lives," she says.

Engineering students have some ideas the residents might go for, she says. They have been thinking about designing and developing sensors that, when

the residents get up in the middle of the night and put their weight on the floor, the lights in the room would gradually come up. Or, Porter says, they might design sensors in the bathroom so if a resident falls, the body weight would send a message to a centrally located computer to alert on-duty staff to the problem in the specific apartment.

"Agriculture students doing a gero-gardening with us," Porter says. "They are designing landscaping beneficial to people who no longer can get down on their knees and dig in the dirt." High-bed gardens would be available for people using wheelchairs, or a person standing could either plant flowers or admire and smell flowers already planted.

Already in place is an animal wellness room in which veterinary medicine students will conduct routine examinations and provide other services for residents' pets

"Nothing is set in concrete yet," Porter says. "These are all visions of where we want to look and see what might come forth. There is no end to what we might dream."

# Home, sweet home

**AGING IN PLACE**  
Nurses advise elderly on lifestyle choices

**A**s people age, their eyesight and memory may fail. They also may have problems walking and doing regular activities around their home. While many experts might agree that certain individuals need to move to an assisted living facility, MU nursing researcher Karen Marek has found that those individuals who continue to live in their homes have a higher quality of life and better cognitive skills than their peers who have moved.

Marek, associate professor of nursing and director of the Aging in Place (AIP) program at the Sinclair School of Nursing, recently completed a study that found elderly adults who receive assistance in their home are more likely to be mobile, have less memory loss and be less depressed than peers living in nursing homes.

The average age of participants in the Aging in Place program is 85, and the goal is to keep people in their homes by helping them with daily activities.

"Knowing when to leave a home that has been lived in for more than 20 years and to leave

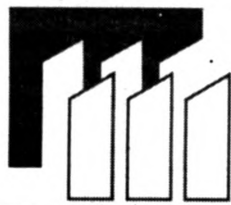
an independent lifestyle behind is a very difficult choice to make," Marek says. "Through our program, we have nurses who will consult with our clients and advise them on their choices. We also evaluate their environment and determine whether their surroundings are making their life more difficult."

More often than not, clients in the Aging in Place program need help with chronic illness management or other chores that require excessive physical exertion such as mowing the lawn, laundry or heavy house cleaning. The program coordinates nursing care and other assistance when developing a plan to assist clients in their personal and health care needs.

"Chronic illnesses can be very difficult to manage and other problems, such as depression, incontinence and mobility, can be helped with interventions such as proper medication management," Marek says.

In 2003, AIP students, nurses and caretakers made 24,100 different visits to more than 550 different clients. The program brought in more than \$3.4 million in research funding, and was a teaching laboratory for more than 100 students.

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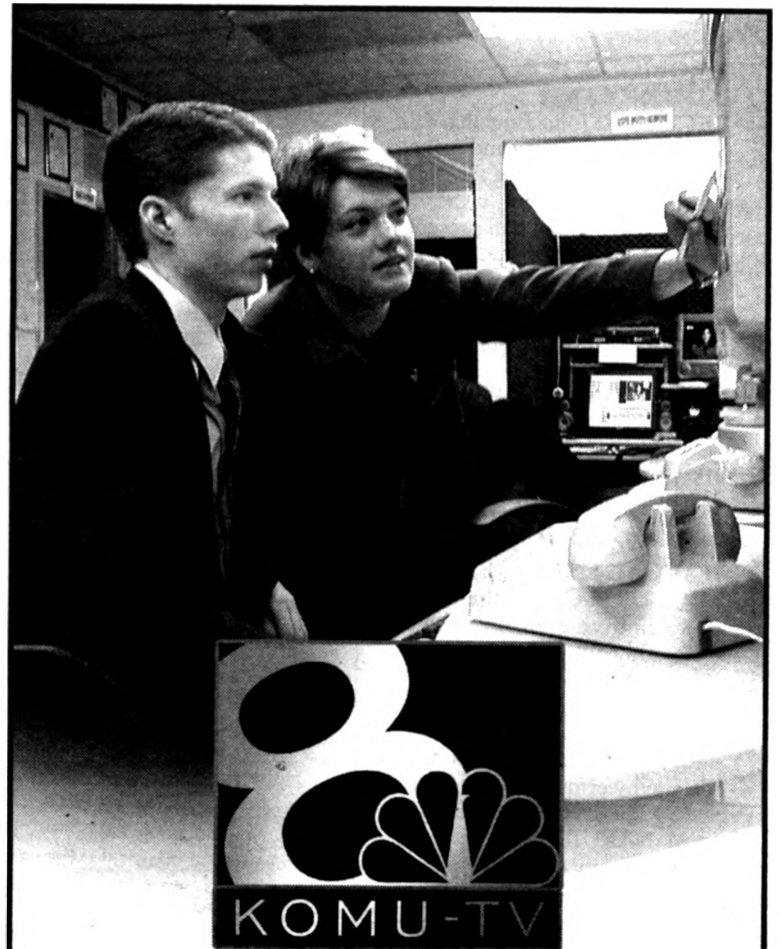
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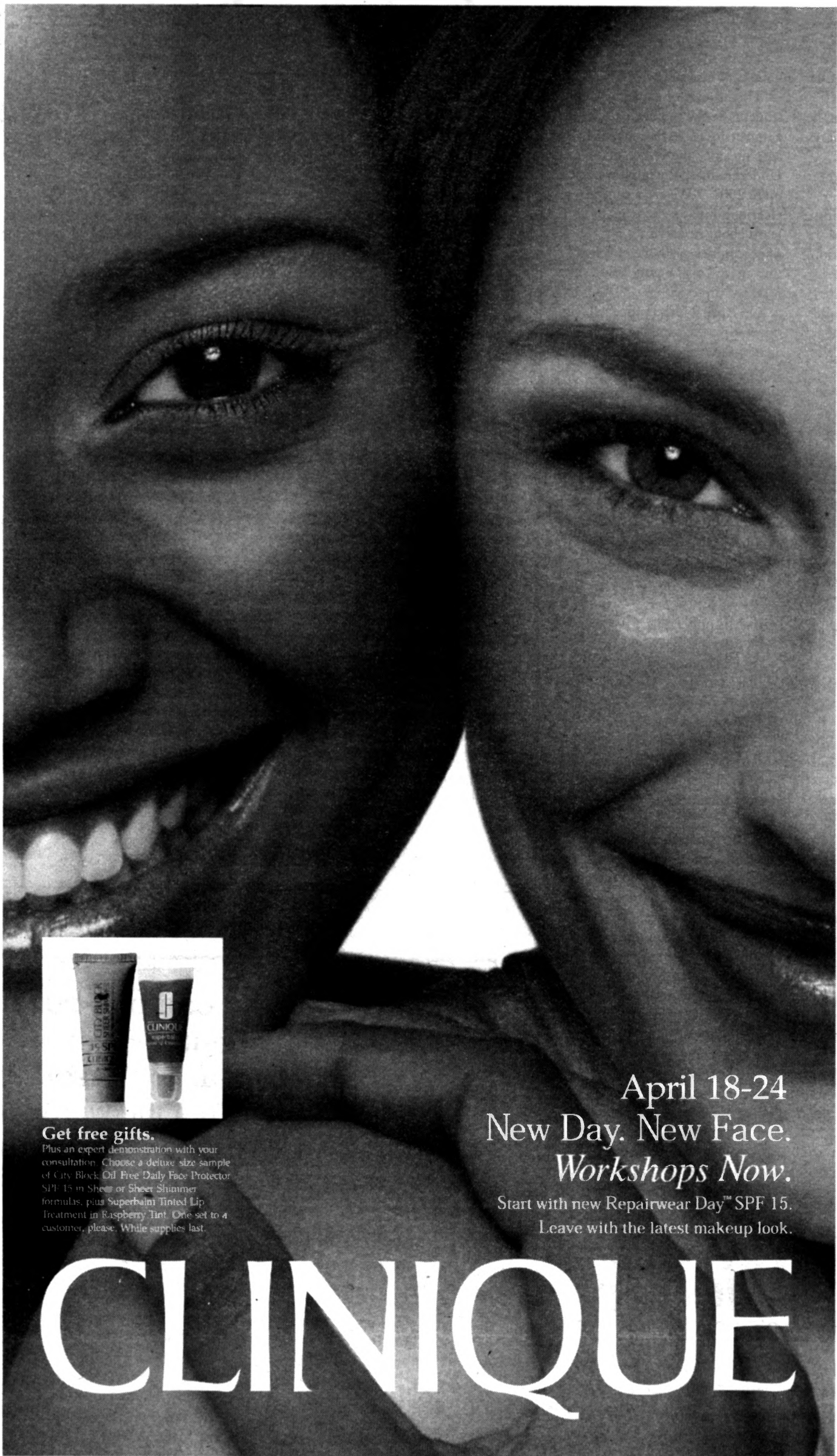
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**RESEARCH from Page 1**  
Undergraduate Research's Posters on the Hill program. His colleague, chemistry major Stephanie Lane, a senior from Springfield, Mo., will present her research on the use of radiopharmaceutical drugs in the battle against cancer. This marks the first time the council has selected students from Mizzou to participate in this event.

While these two are helping federal legislators understand and appreciate higher education, 20 MU students will be part of the four-campus UM System delegation that will travel to the Missouri Capitol on the same day to illustrate the relevance of university research and scholarship to Gov. Bob Holden and other elected officials, and to thank them for supporting creativity at their campuses.

Last year only students from MU participated in Research Day at the Capitol, and its success spurred the entire UM System into getting involved this year. The researchers' topics, as diverse as their disciplines, include pulmonary hypertension, using mutant roundworms to understand human reproduction, forest conservation, the economic impact of pet food manufacturing in the state of Missouri and stuttering intervention for preschoolers.

Mizzou's reputation as a top Research I university is highly touted around the world. A few years ago, the National Science Foundation recognized it as one of 10 best universities that excels in integrating undergraduates into the research mission of the institution, Coleman says. "We are no longer training students to sit on an assembly line. They are going out into the work world where they are being asked to solve problems that don't have any answers. The best way to train students to do that is to get them engaged in a scholarly research project where they are being asked to use their intellectual independence to define a problem and find a solution to it where one isn't known."

Coleman says from his perspective, "This is one of the most important things a research university can do for student that isn't done in a nonresearch university experience."

The process of engaging students in the intellectual life of a university is much easier at Mizzou since the Office of Undergraduate Research was set up in 2002. "We are a central clearinghouse for students to learn about research opportunities available at this university," says Susan Renoe, assistant director.

On April 27, the office will coordinate the campus' second undergraduate conference for students to showcase their findings to the University community. Undergraduate research at Mizzou takes place in every field, from anthropology to women and gender studies. Conference attendees will have ample opportunities to experience the students' handiwork in various formats such as poster presentations, individual and collaborative talks, art displays, live performances and electronic media presentations.

In conjunction with the conference, the College of Agriculture, Food and Natural Resources, and the School of Health Professions will each sponsor events to recognize their own undergraduate researchers, faculty mentors and major sponsors.

The conference celebrates research and creativity campuswide, not just in the life sciences or in the hard sciences, Renoe says. "We want to share how undergraduates are engaged in the research enterprise at MU," she says. "Not only are they developing critical skills, they are making important contributions to their discipline and to society."

To learn more about undergraduate research opportunities available at MU, go to the office's new Web site at <http://undergradresearch.missouri.edu>.

# classifieds

## FOR RENT

Ashley Ridge Condos at MU campus. Luxury 1 & 2 bedroom apartments for faculty, staff, graduate, professional students. Quiet, spacious, energy efficient, cable TV, w/d hookups, carports. \$485 & \$555. 445-1892. [www.denice.com](http://www.denice.com).

Aug 1st, UNIQUE 2000ft Grassland duplex, 6 Clarkon Rd., minutes from MU, lovely wooded setting, 2BR, 2B, double garage; hot tub, ca, cvac, w/d, ref., JAstove \$1200, no pets. 573-449-411.

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## CAMPUS RENTAL PROPERTIES WANTED

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## RESEARCH PARTICIPANTS

Seeking adult women exposed to domestic violence as children to participate in a research project that addresses how they survived and persevered. Please call Dr. Kim Anderson at 573-884-8077 or [andersonki@missouri.edu](mailto:andersonki@missouri.edu), the MU School of Social Work, for information

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## HOSTS NEEDED

The Downtown Optimist Club will host 13 Russian medical managers May 21 to June 13. These Russians will study American management practices and services, with the support of our State Department and local citizens. There is an urgent need for home hosts. You can help by offering a room to a guest. For more details, contact Sid Sullivan, 234-2371 or email: [sidsullivan@worldnet.att.net](mailto:sidsullivan@worldnet.att.net)

## GARAGE SALE

Saturday, April 17 only, 8 a.m. - 2p.m. Three-family renovation/spring cleanup garage sale, north on Route B, west on McGee, south on Boatman Hill to 8950, third house on left. 882-1210.

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