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Mizzou celebrates the century-old tradition of Engineers' Week.

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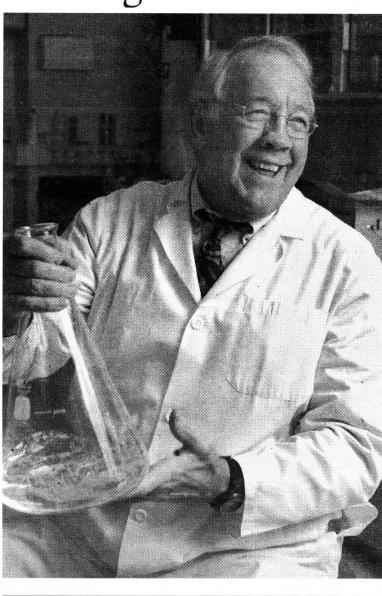
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## Getting to the heart of research



## INTERDISCIPLINARY DISCOVERIES

MU researchers affiliated with the Dalton Cardiovascular Research Center are making big contributions to understanding the disease that kills more people than any other

ardiovascular diseases, particularly heart disease and stroke, are among the world's leading cause of mortality within all racial and ethnic groups. Mizzou scientists are working to change that.

At laboratories located just off Providence Road in Reactor Park, top MU researchers working with the Dalton Cardiovascular Research Center have spent the past 10 years exploring potential solutions to cardiovascular illness.-

The building, which began as a NASA space sciences research

#### **POSITIVE IMPACT**

Ed Blaine is director of the Dalton Cardiovascular Research Center at MU. Work is getting under way to renovate the 1960s-era building. L.G. Patterson photo center in the late 1960s, housed researchers who focused on depressed metabolism during long space flights. In the early '70s, however, the National Aeronautics and Space Administration withdrew its support for the center. The building was then renamed the Dalton Research Center, and although research conducted there was multidisciplinary in nature, there was no particular focus.

"It was a utilitarian research building," says Ed Blaine. That all changed when he became director in 1992. Blaine, a former All-American offensive lineman at MU, earned undergraduate and graduate degrees from the University in the 1960s. Before returning to Mizzou, he had worked in both academics and industry. He directed a biomedical research agreement between Washington University and Monsanto, one of the first big interfaces between a research company and a major research university.

"I came back to MU with the intent of focusing the work of the center in cardiovascular research," Blaine says. At his request, the building was renamed the Dalton Cardiovascular Research Center.

SEE Center on Page 8

## State plugs '03 budget gap

**IN BALANCE** Use of reserve funds will protect academic programs

fter nearly a month of sometimes-heated debate, the state legislature has agreed with Gov. Bob Holden on ways to plug a gap in the state budget for the current fiscal year that ends June 30.

In addition to \$150 million in bond revenue to balance this year's budget, Gov. Holden announced \$82 million in withholdings from education appropriations. A total of \$21 million will come from higher education and \$61 million from elementary and secondary education.

Withholdings for the UM System will be \$9.6 million. To protect core educational programs, UM President Elson Floyd announced Feb. 27 that the UM System will absorb 55 percent of the anticipated state withholding, or \$5.35 million.

Mizzou's share of the withholding will be \$2.12 million, and the campus will accomplish that by drawing money from non-academic reserves. The MU administration stressed that no current operating budgets will be affected, and no academic programs will be cut.

At MU, the reserve funding specifically will be drawn from Information and Access Technology Services. In anticipation of additional state withholding this fiscal year, IATS postponed capital expenditures, such as upgrades to information technology infrastructures, and realized savings from the reduced purchase price of actual capital equipment installed on campus.

Of the remaining withholding, UM-Kansas City's reduction is \$937,000: UM-Rolla will absorb \$566,000; UM-St. Louis will absorb \$300,000 and University Outreach and Extension will cut \$322,535.

## Report details ways to heal MU Health Care finances

#### **TURNAROUND**

Building patient volume is key to success

n its report to the Board of Curators Feb. 26, the healthcare consulting firm that manages MU Health Care's day-to-day operations outlined ways that the University's hospitals and clinics can cut costs, build patient volume and regain profitability.

Based on that optimistic outlook, David Coats, an executive with The Hunter Group, told curators that his firm advised against selling University Hospitals and Columbia Regional Hospital.

The Hunter Group is a Florida-based consulting firm

hired by the University on an interim basis to manage MU Health Care and to develop a long-range strategy for its financial success.

At a Feb. 25 briefing for reporters, Coats explained his firm's recommendation not to sell the hospitals: "With respect to University Hospital, our review of that facility indicated that it can be a financially viable institution. There are things we need to fix, but they are all fixable," he said.

"There are no huge gigantic issues that defy being rectified. There are a lot of little things that have just kind of gathered themselves up over the years and created this problem. We have to go back one leg at a time and fix

these things. It's doable; it's doable within a reasonable amount of time."

Coats said that Columbia Regional Hospital also could be turned around financially. Patient "volumes have increased over the past two years and financial performance has improved," he said of Columbia Regional. "It's still not making money, but if you look forward three years with the adjustments that we're recommending operationally it will perform financially. So there is no reason to divest Columbia Regional Hospital for financial reasons."

Rather, MU Health Care should explore joint ventures with community physicians for programs and services at Columbia Regional, he said. "We think this is an opportunity to attract additional private community physicians into MU Health Care and will allow us to build (patient) volume, which we need to do to be successful."

Coats said his staff also had looked at leasing University Hospital to an outside operator, and then buying the services the University requires for its medical teaching and research missions. "We have seen that model; it's in play in other parts of the country," he said. "We have also seen the stresses associated with that model."

Coats explained that outside contractors often see profits squeezed by decreasing payments

SEE Hospital on Page 7

#### **Turning back terrorists**

If a terrorist attack exposes mid-Missourians to chemical or biological weapons, a team of health professionals and local volunteers stands ready to help. But more help is needed, and organizers of the National Pharmaceutical Stockpile program are looking for volunteers among the University community.

The Columbia/Boone County Health Department is seeking more than 300 volunteers who would help distribute pharmaceuticals, chemical weapons antidotes and other medical supplies in the event of a terrorist attack or other medical emergency.

The local department is one of five in Missouri that are working with the Centers for Disease Control and Prevention on the pharmaceuticals program. Although volunteers with medical training and experience are needed, there will be positions for those without medical backgrounds to take health histories, help with record keeping and administer the medications.

Volunteers will be expected to attend a 30-minute orientation session. The sessions will be held in the Columbia Activity & Recreation

Center at the corner of Clinkscales Road and Ash Street from 7 a.m. to 6 p.m. Friday, March 14, and from 8 a.m. to noon, Saturday, March 15. Interested volunteers may come at any time during those hours. For more information, call Columbia's volunteer services office at 874-7499 or visit the Web site at GoColumbiaMo.com

#### 'Words and music'

More than a score of musical scholars from around the country and around the world will travel to the MU campus for an international conference on "Words and Music." The conference is sponsored by MU's Center for the Arts and Humanities, and sessions will be held on March 14 in 22 Tate Hall and on March 15 in Ellis Library Auditorium.

Fred Lerdahl, a composer and professor of musical composition at Columbia University, will give a public keynote lecture, titled "The Sounds of Poetry Viewed as Music," at 4 p.m. March 15 in Ellis Library Auditorium. For a complete listing of conference events, which are free and open to the public, visit the Web site at rcp.missouri.edu/wordsmusic/index.html.

## Faculty Council looks at student-athlete suspensions

**ROLE AND SCOPE** Council members explore role of faculty oversight in athletics, campus freedom-of-speech issues

t its Feb. 27 meeting, MU's Faculty Council voted to endorse changes in a UM System policy that suspends student-athletes from the team when they are charged with a felony.

The current policy allows an athletic director to review that suspension within 48 hours and to modify it or lift it. Council members were concerned that giving an athletic director that

sole discretion can create the appearance of a conflict of interest.

The resolution council members passed last week would transfer that authority from the athletic director to the provost of a UM campus. Any change to the current policy must be approved by the Board of Curators.

The resolution calls for a policy change that says a suspended player's head coach and the athletic director will review the suspension and recommend to the provost whether the suspension should continue. In consultation with the athletic director, the provost

would have the sole discretion to lift or modify a suspension. The student then could appeal that decision to the chancellor within 20 days.

Faculty Council also established an ad hoc committee to explore the oversight responsibilities that faculty have for intercollegiate athletics. Richard Hessler, professor of sociology, was appointed committee chair.

Council members also discussed a position statement from the Association of American Universities that deals with the responsibilities of universities in times of

international tension and domestic protest. At the council's next meeting, March 13, members will decide whether to endorse the statement.

The AAU statement calls for universities to "actively promote informed dialogue, analytical thought and exemplary arguments." In addition, the document spells out that for a university, "to fulfill its obligations to academic freedom and to intellectual development, it must provide a forum in which individuals and groups can advocate their views."

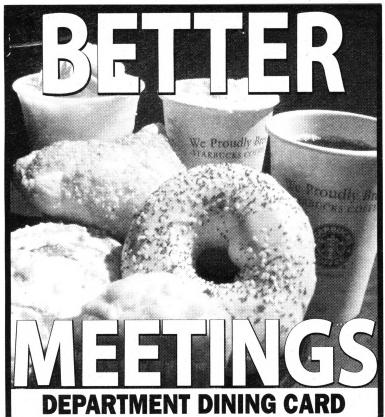
Michael Devaney, council chair and professor of electrical

and computer engineering, said that the council's executive committee would likely draft a short addendum that sets out what the AAU statement means for the MU campus.

After the meeting, Devaney said there was concern on the part of some faculty members about wording in the document that discusses limits to allowable public protest.

The document states: "There are consequences for any of the following kinds of disruption: violence, intimidation, prevention of classes, lectures or laboratory work, takeover of buildings that interferes with the ability of students, faculty or staff to do their work..."

The council's executive committee "will be working on some language that would permit alternatives to the regularly scheduled classes," Devaney said. "We want to support free speech and open exchange of ideas – that's what a university is all about. Yet we don't want to infringe on the rights of others to secure their education."

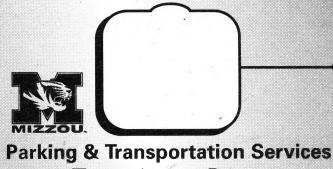


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web.missouri.edu/~mubs/parking/parking.html

## Mizzou**Weekly**

Volume 24 No. 22

A publication for the faculty and staff of the University of Missouri-Columbia, published every Thursday during the academic year and twice a month during the summer by Publications and Alumni Communication, a department of University Affairs, 407 Reynolds Alumni and Visitor Center, 882-7357. News deadline is noon Thursday the week before publication. Annual subscriptions are available for \$30.

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## Transcending research boundaries

When MU's new Life Sciences Center opens its doors to students and researchers next year, laboratories and classrooms will have the necessary tools to fulfill their missions. The Monsanto Company and Monsanto Fund have donated \$1.9 million to purchase scientific equipment to support the center's 40 research laboratories. The center's 250-seat auditorium and the auditorium lobby will bear Monsanto's name.

The MU Life Sciences Center is a \$60 million project funded

by federal and state sources. In addition to research laboratories and the auditorium, the center has multipurpose equipment rooms and five teaching and computer laboratories. The facility is designed to foster research by interdisciplinary teams of faculty and students from six academic divisions.

Research in the Life
Sciences Center will transcend
traditional disciplinary
boundaries by recognizing an
increasing dependence on
integrated research across
disciplines involving plants,
animals, humans and
microorganisms. Construction

on the center at the corner of Rollins Road and College Avenue began in December 2001. Spring 2004 is the targeted date of completion.

#### Stage presence

Do you know a local youngster who has stage presence? If so, Mizzou's Summer Repertory Theatre has a place in the footlights for them. The repertory theatre is looking for boys and girls between the ages of 7 and 16 for its production of Oliver!

There will be an audition for young performers from 1 to 5 p.m. Sunday, March 9, at MU's Rhynsburger Theatre.
Registration begins at 12:30 p.m., and all children who audition must register by 1 p.m. They are asked to prepare a one-minute song and

bring sheet music; an accompanist will be provided. Callbacks will begin after everyone has auditioned. For those selected, daily rehearsals will begin June 2. For more information, call 882-2021 or email WallaceRD@missouri.edu.



# Engineering a holiday

#### SASHES AND SHILLELAGHS

MU's gears up to celebrate Engineers' Week

he wearing of the green is a tradition for engineers at MU, and they have worn it in style for a full century.

It all started March 16, 1903. Spring was in the air. Engineering students at that time were in class for long hours, six days a week. As the next day was St. Patrick's Day, seniors in Professor Spaulding's civil engineering class decided they needed a break, so they resolved among themselves to organize a holiday and refuse to go to classes. Thus began a tradition of celebrations still observed today that consist of both academic and social competitions.

The celebration seems to be the right thing to do. After all, engineering students at MU were the first to "discover" that St. Patrick was an engineer. During the excavation of the Engineering Building annex in 1905, a stone was unearthed with a message in an ancient language. The message was translated into *Erin go bragh*, which means "Ireland forever."

The students, however, loosely interpreted this phrase as "St. Patrick was an engineer." Furthermore, they looked to the legend that St. Patrick drove the snakes out of Ireland as proof of his engineering skills. "Engineers use a piece of equipment called a worm drive, and those students, determining that snakes are just large worms, reasoned that St. Patrick had to have been an engineer," says Pat Lobenstein, editor in engineering external relations and marketing.

Since then the students have

celebrated St. Patrick's Day as a holiday set aside for engineers. The tradition, though born at Mizzou, has caught on, and Loebenstein says it is now celebrated by other engineering schools nationwide. At MU, Engineers' Week is one of the biggest annual events held. This year's commemoration goes from March 8 through 15.

Over time, the rigors of engineering's academic program have not changed, but the festivities surrounding this holiday have. The week is typically packed with events, including barbecues, open houses, lab exhibits, skits, a road rally and the crowning of a king and queen at the Engineers' Week ball. St. Patrick returns to campus each year to bestow the title of "knight of St. Patrick" on worthy engineering seniors.

"Engineers are under a lot of

pressure throughout the whole year," says Lance Portell, a senior in computer engineering. "This is a chance for us to enjoy ourselves through the week, meet other engineering students and to celebrate all the hard work we do throughout the year." Portell is president of the Engineers' Club and co-presider of the St. Patrick's Board that organizes the festivities.

Engineering faculty, attuned to the week's significance, give students a break with light course work and no exams, Portell says. Some of the professors even invite people from industry and from other universities to teach their classes for a day. "Our faculty know how important this week is to the students, and are there to help in any way possible," he says.

Every year since 1905, St.

Patrick himself has made a couple of appearances during the week's ritual. He mystically arrives for the knighting ceremony, an age-old tradition in which seniors are dubbed "knight"

#### **ERIN GO BRAGH**

MU engineering students established a tradition of shenanigans for Engineers' Week way back in 1903. One of those traditions was to escort Mizzou's own Blarney stone to the festivities, as engineers in this 1908 photo did. University Archives photo

of St. Patrick" as they kneel and kiss the MU Blarney stone (the original stone unearthed in the excavation). Then he mysteriously disappears and returns a couple of days later at the formal ball, where he presides over the coronation of the king and queen. Afterward, the enigmatic patron saint of engineers departs campus until the next year.

Ask anyone in the college who St. Patrick really is and you'll get the same answer: "No one knows." But they all agree on one thing: "He's an old codger," says Robert Leavene, associate professor of electrical and computer engineering, and faculty adviser to the two groups that plan Engineers' Week.

Leavene came to Mizzou in 1963 as a student. "I've seen it from both sides of the fence. This is a great opportunity for students to build the college's morale, and for students from all departments to come together and showcase their talents." Additionally, the week serves as a top recruiting tool for the college, he says. "We will have somewhere between 1,500 and 2,000 grade school, middle school and high school students come through and see what engineering is all about."

Because the college is celebrating the tradition's 100 anniversary, Portell says that a special committee is working on a commemorative book of historical and current photographs that will be available during the week. For a complete lineup and description of activities, visit http://eweek.missouri.edu/



#### **Concerts & Plays** Friday, March 7

UNIVERSITY CONCERT

**SERIES:** Teatro Lirico d'Europa will perform the opera Madama Butterfly at 8 p.m. in Jesse Auditorium. For ticket information, call 882-3781.

#### Sunday, March 9

STUDENT RECITAL:

University Singers will perform at 4 p.m. at the First Baptist Church in Columbia. A \$5 donation is suggested.

JAZZ SERIES: The Dave Brubeck Quartet will perform at 6:30 p.m. in Jesse Auditorium. Tickets are available at all Ticketmaster locations, or call 449-3001.

### Monday, March 10

FACULTY RECITAL:

Bassoonist Lecolion Washington and pianist Janice Wenger will perform at 8 p.m. in Whitmore Recital Hall.

#### Tuesday, March 11

**UNIVERSITY CONCERT** 

**SERIES:** The Vermeer String Quartet will perform works by Wolf, Hindemith and Dvorak at 8 p.m. in Jesse Auditorium. For ticket information, call 882-3781.

#### Thursday, March 13

**UNIVERSITY CONCERT** 

SERIES: The American Repertory Ballet will perform A Midsummer Night's Dream at 7 p.m. in Jesse Auditorium. For ticket information, call 882THEATER SERIES: For Colored Girls Who Have Considered Suicide When the Rainbow is Enuf will be performed at 8 p.m. today through March 15 and March 17 and 18, and at 2 p.m. March 16 at the Corner Playhouse. For ticket information call 882-PLAY.

#### Friday, March 14

**UNIVERSITY CONCERT** 

**SERIES:** The School of Music Showcase will present outstanding MU music students at 8 p.m. in Jesse Auditorium. For ticket information, call

#### **WOMEN'S HISTORY PLAY:**

MU students and staff will perform Vagina Monologues at 7 p.m. in the Conservation Auditorium in the Natural Resources Building. Tickets are available at the MU Box Office or at the Women's Center, 229 Brady Commons. All proceeds will benefit efforts to end violence against women.

#### **Conferences**

Friday, March 14

**ARTS & HUMANITIES CONFERENCE:** "Words and

Music," an international interdisciplinary conference sponsored by MU's Center for Arts and Humanities, will be held from 8:30 a.m.-5:30 p.m. today in 22 Tate Hall and continue from 8:30 a.m.-5:30 p.m. tomorrow, March 15, in Ellis Auditorium. A Web site listing individual presentations will be available closer to the event.

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## **Courses & Workshops**

Tuesday, March 11 **COMPUTING WORKSHOP:** 

Adobe expert Mike Richman will present "InDesign/ Photoshop 7" from 9-10 a.m. and "Acrobat/Photoshop Elements/Photoshop Album" from 10:15-11:15 a.m. in N201-202 Memorial Union.

#### Wednesday, March 12 **HAZARDOUS MATERIALS**

WORKSHOP: "Introduction to Hazardous Materials Management" will be presented today, May 6 and June 12 from 9-11 a.m., and April 10 from 2-4 p.m. in the Environmental Health and Safety classroom. To enroll, call 882-7018.

#### Thursday, March 13 **HUMAN RESOURCES**

WORKSHOPS: "Asbestos Awareness" will be presented from 9-11 a.m. today and May 7. in the Environmental Health and Safety classroom. To enroll, call 882-7018. "Travel Safety" will be presented from 11:30 a.m.-1 p.m. in S203 Memorial Union. Registration is required; call 882-2603.

#### Exhibits

**BINGHAM GALLERY:** Jo

Stealey, associate professor of art, will exhibit her sculptural works of handmade paper through March 21. An opening reception will be held from 4-p.m. March 7. The gallery, located at A125 Fine Arts Building, is open from 10 a.m.p.m. Monday-Friday.

BRADY GALLERY: "Women in the Arts Annual Art Show featuring women artists from MU and the Columbia community, will be on display through March 28. An opening reception will be held in the gallery from 5-7 p.m. March 20. The gallery, located at 203 Brady Commons, is open from 10 a.m.-6 p.m. Monday-Thursday, from 10 a.m.-5 p.m. Friday, from 10:30 a.m.-4 p.m. Saturday, and from 1:30-5 p.m. Sunday.

#### MUSEUM OF ART AND ARCHAEOLOGY:

Tradition and Change: Art from Oceania" is on display into 2003.

"Master Drawings from the Permanent Collection" is on display through spring 2003.

The Missouri Scene: In The Wake of Lewis and Clark" is on display through April 2003.

'Celebrating An Age When Books Were A Work of Art" is on display through May 25. "Selections of Ancient Glass," an exhibit in memory of Gladys C.

Weinberg is on display through 2003. The museum, located in Pickard

Hall, is open from 10 a.m.-4 p.m. Wednesday-Saturday.

STATE HISTORICAL **SOCIETY:** "Objects Worthy of Notice: The Wildlife Encountered by the Corps of Discovery" is on display through June 27 in the main gallery. The main gallery is open from 8:30 a.m.-4 p.m. Monday-Friday.

## **Lectures & Seminars**

Thursday, March 6

HIGHER EDUCATION LECTURE: James Duderstadt,

president emeritus of the University of Michigan, will present "Higher Education in the 21st Century" at 3:30 p.m.

in Ellis Library Auditorium.
RENAISSANCE STUDIES

LECTURE: Samuel Armistead from the University of California-Davis will present "Epic and Ballad: Some Recent Discoveries" at 4:30 p.m. in A.P. Green Chapel.
WOMEN'S HISTORY

## **LECTURES:**

 Educator and artist Venetta Whitaker will present, "Reflections on the Struggles of Women in War-Torn Countries" at 4 p.m. in S204 Memorial Union.

<sup>a</sup>Visiting scholar Robert Jensen will present "American Violence from the Intimate to the Global: A Discussion of Sex and War" at 7 p.m. in Allen Auditorium, Arts and Science Building.

#### Friday, March 7

LIFE SCIENCES SEMINAR:

Rebecca Johnson, associate professor of nursing, and Grace Sun, professor of biochemistry, will present "Dementia and Alzheimer's Disease: Inevitable Outcomes in Aging?" from 9-11 a.m. in Bush Auditorium in Cornell Hall.

GEOLOGICAL SCIENCES

SEMINAR: Joan Ramage from Creighton College will present "Microwave Remote Sensing of Snow Melt on Alaskan Glaciers" at 3 p.m. in 108 Geology

#### Monday, March 10

WOMEN'S HISTORY

LECTURE: Asma Abdel Halim, senior researcher at the Emory University School of Law, will present "Women are Holding Up Half the Sky: Who is Holding Up the Other Half?" at 4 p.m. in S204 Memorial

#### **SOIL SCIENCE SEMINAR:**

Elizabeth Hatter, a graduate student in atmospheric science, will present "Finding Factors for Flash Floods in Missouri" at 4 p.m. in 123 Natural Resources Building.
NATIVE WOMEN'S

**SEMINAR:** Members of From The Four Directions, a Native-American student group, and the Native-American Graduate Students Organization will discuss historical and current issues relevant to Native-American women at 7 p.m. in 229 Brady Commons

#### Tuesday, March 11

**BIOLOGICAL SCIENCES** 

SEMINAR: Michael Young from Schepens Eye Research Institute will present "Stem Cell Transplants in Animal Models of Retinal Degeneration" at 3:30 p.m. in 18 Tucker Hall.

#### Wednesday, March 12 WOMEN'S HISTORY

LECTURES:

Benaz Al-Somiry-Batrawi, director of the Media and Gender Department at Al-Quds University in Jerusalem, will present "War Zone: Palestinian Media Practitioners, the Double Burden" at 4 p.m. in 105 GCB.

•A panel of international women

will speak about women and war at 7 p.m. in S203 Memorial Union.

#### Thursday, March 13

**NUTRITIONAL SCIENCES** 

SEMINAR: David Giedroc, professor of biochemistry and biophysics at Texas A&M University, will present "Bacterial Metal Sensing DNA Binding Proteins" at 4 p.m. in 209 Gwynn Hall.

MU AUTHORS SERIES: Craig Israelsen, associate professor of consumer and family economics and author of a monthly research article in Financial Planning Magazine, will present "Bridging the Gap Between Academicians and Practitioners" from 4-5:15 p.m. in 109 Gwynn Hall.

WILDLIFE LECTURE: Scott Robinson from the University of Illinois will discuss the effects of forest fragmentation on forest bird populations at 6 p.m. in Conservation Hall.

#### Meetings

Thursday, March 13

STAFF ADVISORY COUNCIL: The MU Staff Advisory Council

will meet at 1:15 p.m. today, March 27, April 10 and 24, and May 8 in S206 Memorial Union.

FACULTY COUNCIL

MEETING: The MU Faculty Council will meet at 3:30 p.m. today, April 10 and 24, May 8 and June 12 in S203 Memorial Union.

### **Special Events**

Thursday, March 6

POETRY READING: Mark Strand, former poet laureate of the United States, will read from his work and attend a book signing and reception from 7:30-9 p.m. in 22 Tate

#### Friday, March 7

VETERINARY MEDICINE

**OPEN HOUSE:** The College of Veterinary Medicine will host "All Creatures Great and Small: Open House 2003" today and March 8 from 9 a.m.-3 p.m. For more information call 884-6239 or visit the Web site at www.cvm.missouri.edu/ openhouse.

#### Saturday, March 8 BOTANIC GARDEN FIELD

TRIP: MU Botanic Garden members will be taking a field trip to the Butterfly House in Chesterfield, Mo., from 8 a.m.-3 p.m. The group will meet at the Landscape Services offices at the Virginia Avenue parking garage. Cost: \$18 for Botanic Garden members, \$20 for nonmembers. Transportation and admission is included in the class fee. Call 882-4240 for more information.

#### Wednesday, March 12 **WOMEN'S CENTER EVENT:**

In an event patterned on the popular television game show Jeopardy, "Alexis Trebek" will moderate "Vagina Jeopardy" to challenge contestants on their knowledge at 8 p.m. in the Memorial Union's Stotler Lounge.

## Investing in excellence

#### **SCIENTIFIC ENTREPRENEURS**

Research Animal Diagnostic Lab investigates health problems and generates revenue for MU

hey screen animals for infectious diseases, they apply research to solve human infertility problems, and they preserve DNA of unique animals used to solve human health problems in case of loss. They provide these services to researchers at more than 350 institutions worldwide and

Last year revenue generated by these activities at the Research Animal Diagnostic Laboratory (RADIL) resulted in \$2.1 million for MU, helping to compensate for lost state appropriations. In addition, a faculty incentive plan provides for laboratory faculty and staff to share in the profits of the enterprise.

"We provide services for researchers who don't have the animal health screening and reproductive biology resources to conduct their work," says Lela Riley, associate dean for research at the College of Veterinary Medicine and the laboratory's director.

"In addition, we are completing our own studies on infectious diseases, fertility techniques and infertility

problems. We have helped with research on some of the foremost health problems in the world today while generating additional revenue for the University during these tight budget times."

As part of their work, faculty and staff at the center take part in the laboratory's incentive plan, which offers additional money to employees depending on the success of the center. At the same time, half of the profits from the laboratory go to the University's general operating fund.

The University reinvests the money in infrastructure and other areas that help continue its commitment to undergraduate and graduate education and life sciences research. Riley credits her research team along with the incentive program for the laboratory's success.

"These incentives appropriately reward people who are doing the work, while at the same time they give back to the College of Veterinary Medicine and the MU campus," Provost Brady Deaton says. "These researchers have a knowledgebased specialization that is currently not being duplicated anywhere else.

"They satisfy a tremendous scientific need in our society, serving as a resource to the nation and world. In turn, they help to attract other top-notch faculty to our campus. Their value, especially during this time of budget difficulty, cannot be overstated."

"This is a great investment for the University and the state of Missouri," says John Critser, chairman of veterinary medicine pathobiology and a researcher at the lab. "Last year, the University contributed less than \$135,000 to our operations. In return, we not only generated a substantial profit but also were responsible for winning 13 grants that brought in \$6.87 million in research funds, and trained 11 post-doctoral fellows and four graduate students."

"Another goal of RADIL is to make MU a nationally known resource center for cryopreservation for researchers at other universities," Critser says. "While other universities have similar capabilities, MU is one of the largest sites in the nation. Such a center assists other researchers who cannot maintain large numbers of animals for years, which can be expensive. These centers also protect the material against loss, such as a natural disaster."

According to Critser, centers such as research animal laboratory are the future of academic research. Because of the market-driven demand, universities are discovering the entrepreneurial benefit of operating these centers.

## Staying the course

urrently, more than 80,000 people in the United States are awaiting organ transplants. Many of those who are fortunate enough to receive a transplant struggle with the barrage of required medications after surgery. An MU researcher studied how kidney-transplant recipients maintained their new medication regimen and determined key factors that keep patients on their drug therapy after the transplant has occurred.

Cindy Russell; assistant professor of nursing, and her team assessed 16 patients who received kidney transplants and studied how they took their medication. After an organ transplant, some patients need to take nearly 20 pills a day.

"We made a couple of significant discoveries. One indicator of whether patients will stay on their medication is if they have social support from family and friends," Russell says. "It is more

challenging than most people realize to take these pills each day. Because of the side effects More studies are needed to determine why some patients remain motivated to take their pills and others do not.

and sheer numbers of

medications, some patients wonder if it's really worth it.

# classifieds

#### **FOR SALE**

Life Fitness brand LifeStep 5500, gym-quality, full-size aerobic stepper. Like new condition, was \$1,800 new; selling for \$350. Call 446-6768 before 9 p.m.

#### **FOR RENT**

Professor going on sabbatical renting house next year, starting summer. Furnished, four bedrooms, three baths, outdoor hot tub, Hulen Lake area. \$950 plus utilities. Pets negotiable, no smoking. Call Ken, 446-0457.

Subleaser needed May 1st, \$100 toward first month's rent. Two bedroom, 1 bath apt. in Broadway Village. W/D, microwave, dishwasher, cable with

HBO, carport, pool. No pets. Call (573) 449-1334.

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. \$460-\$525. Call (573) 445-1892. www.denice.com

The classified advertising section is open to faculty and staff members and

Home phone number required. No campus numbers will be printed.

Rates: 30-word maximum \$8

Deadline: Noon Thursday of week before publication.

No refunds for cancelled ads.

Mizzou Weekly Classifieds. Make check payable to University of Missouri and send to Scott Reeter, Mizzou Weekly, 407 Reynolds Alumni and Visitor Center, Columbia, Mo. 65211



#### Winter 2003

#### Adobe Photoshop 6.0

- Photoshop 1 March 13, April 8, 29, May 22
- Photoshop 2 March 18, April 15,
- Photoshop 3 April 2, 23, May 14
- Photoshop 4 March 11, April 30
- Photoshop 5 March 19, May 8
- Photoshop 6 April 3, May 13

#### Web Authoring

- · Web Authoring Fundamentals -March 10, 19, April 8, 15, 29, May 20, 28
- HTML I March 12, April 10, 17, May 14
- HTML 2 March 18, April 16 May 19
- HTML 3A April 1, 18, May 27
- HTML 3B March 13, April 28, May 30
- HTML 4A April 2, May 15
- . HTML 4B April 9, May 21
- HTML 5 April 17
- Dreamweaver I March 20, April 15, May 6, 29
- Dreamweaver 2 April 6, 14, May 12
- Dreamweaver 3 March 11, 17, April 30
- Dreamweaver 4 March 14, 21, April 7, May 8

#### Microsoft Excel

- Excel Fundamentals March 13, April 17, May 15
- Excel Formatting & Page Setup -March 20, April 22, May 23
- Excel Formulas April 10, May 7
- Excel Charts & Graphics April 1,
- Excel Functions & Reporting April 25
- Excel Database Features April 15
- Excel Macros & Customization May I
- Excel Productivity April 3

#### **Microsoft Access**

- Intro to Access & DB Concepts -March 13, April 9, 30, May 21
- · Access Fundamentals Tables -March 19, April 16, May 5, 27
- · Access Fundamentals Queries -April 2, 24, May 15
- · Access Forms & Reports March 12 April 8, 29, May 22
- · Access Advanced Forms, Reports & Queries - March 18, May 29
- Access Charts, Macros & Active X -April 1
- Access Customization, Internet & Replication - April 8
- · Developer Series 1 March 20, May 6
- Developer Series 2 April 1, May 13
- Developer Series 3 April 9, May 19
- Developer Series 4 April 18, May 28

#### Microsoft Word

- · Word Processing Basics Feb. 27
- Word Fundamentals March 4
- Word Formatting March 12
- · Word Tables & Columns March 20
- · Word Graphics April 3
- · Word Merges April 10

#### **Microsoft PowerPoint**

- · PowerPoint Fundamentals March 12. April 10, May 1, 20
- PowerPoint Graphics March 18, May 7

#### **Statistical Computing**

- SPSS Basic 1, 2, 3 (8-hour course) -March 24
- SPSS Basic Part 1 April 21
- SPSS Basic Part 2 April 23
- SPSS Basic Part 3 April 25
- SPSS Inter. Part I April 7
- SPSS Inter. Part 2 April 9
- SPSS Inter. Part 3 April 11
- SAS Part I March 17, April 14
- SAS Part 2 March 19, April 16
- SAS Part 3 March 21, April 18

Space is limited. Sign up today!

For the most up-to-date course schedules or to register online, visit the InfoTech Training Web site. For more information, call 882-6006 iatservices.missouri.edu/training/



# A doggone champion

**TOP DOG** Good breeding pays off for MU staff member

hoever said that every dog has its day has never met Seasar. That's because a single day just wouldn't be sufficient for this standard schnauzer, owned by Liz Hansen, a staff member at MU's College of Veterinary Medicine.

Seasar is top dog in anyone's book. Last month he won "best of breed" at the prestigious Westminster Kennel Club dog show in New York City. Westminster is sort of the



Superbowl of dog shows and a Who's Who of the dog world all rolled into one.

"It's a very big deal," Hansen says of the event, held each year at Madison Square Garden. "There isn't much that compares to that show." Hansen should know; her life has gone to the dogs ever since she started breeding and showing them more than 25 years ago.

In fact, that extensive breeding background is a plus in her job as coordinator of veterinary information. Hansen is the liaison between researchers and dog breeders across the country. She helps collect DNA samples that scientists are using to unravel genetic diseases of man's best friend - and one day, perhaps, human diseases as well.

This was only the second time that Hansen has shown a dog at the Westminster, but she's a veteran of the show circuit. Last year, Seasar strutted his stuff at more than 100 shows around the country - sometimes four in one weekend.

Not just any pooch gets invited to the Westminster. Only the five top dogs in each of the 159 breeds and varieties recognized by the American Kennel Club make the A-list. What sets Seasar apart as a leader of the pack? When Westminster sent out invitations. he was ranked the No. 1 standard schnauzer in the country based on his performance at shows throughout the year.

"But he ended the year at No. 2. We had another dog pass us up in the last five weeks of the year, which was disappointing," Hansen says. Seasar didn't roll over and play dead, though. By the time Westminster came around he was ready to run with the big dogs.

Getting him ready was Hansen's job. Seasar gets a special diet and grooming. Hansen conditions his coat twice a week. When he's not at shows he gets to be a regular dog; he even sleeps on the bed at home.

Many dogs are bred just for the show ring, but not this showstopping schnauzer. He sometimes runs agility trials at shows, where he has to negotiate a course of jumps, tunnels and other obstacles without a single

He has a tracking title as well, and is trained to follow scent trails. When they're not on the road, Hansen and Seasar train with the Boone County Wilderness Search and Rescue

"He thinks tracking is the best game I ever thought of," Hansen says. "He loves it. When his show days are over, he'll become a member of the search team." But at three-and-half years old, she says, Seasar is just coming into his prime as a show dog.

That well-rounded personality may come naturally. Schnauzers originally were bred to be allpurpose dogs for German peasant families, Hansen



more than 25 years. She and her standard schnauzer. Seasar, hit the big time last month when Seasar won "best of breed" at the country's most prestigious dog show.

SHOWSTOPPER Liz Hansen has been breeding and showing dogs for

explains. They were combination guard dogs and herding dogs.

farmer's barn.

In the show ring, judges look for the perfect characteristics of each breed according to standards developed by that breed's association. Judges rate the dog's conditioning, structure, coat, color and even the alignment of teeth. "Every little detail you can think of is outlined in the written standards," Hansen says.

Schnauzers even killed rats in the

As a seasoned breeder, she knows there's no such thing as a perfect dog, and she also knows there's some subjectivity involved in a judge's decision. That's what makes it so interesting as she develops her breeding strategies.

Because the show circuit can be a dog-eat-dog world, the competition makes it a challenge, as well. "Everybody thinks they've got the best dog or they wouldn't bother with it," Hansen

A dog's temperment can be one key to success at shows. It's important that a dog doesn't get rattled by the noise and the crowds. At the Westminster show, for example, "with all the people cheering, the noise is just incredible," Hansen says.

Seasar took it all in stride, though, like the pro he is. "He just thought it was wonderful. He has a pretty high opinion of himself," Hansen says. "He thinks he wins all the time."

Although Seasar is taking this weekend off, Hansen isn't. She'll have her hands full working as chief ring steward at the Columbia Kennel Club's dog show March 8 and 9 at the Boone County Fairgrounds. The judging starts each day at 8 a.m., Hansen says.

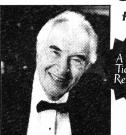
"If people want to see a dog show they should come out, meet the breeds and talk to the breeders. It's a great place to learn about dogs."

Just tell 'em Seasar sent you.



### **CONCERT & TICKET INFORMATION**

**An Evening With Dave Brubeck** 



**Presented with University Concert Series** 

Sunday, March 9 Jesse Auditorium, MU

Dave Brubeck, Piano Bobby Militello, Alto Saxophone Michael Moore, Bass Randy Jones, Drums

## Poncho Sanchez Latin Jazz Band



**Tata** 

Friday, April 4



\$21 - \$28

Poncho Sanchez, Congas David Torres, Piano & Musical Director George Ortiz, Timbales • Tony Banda, Bass



Sal Cracchiola, Trumpet Scott Martin, Saxophone Francisco Torres, Trombone Jose Rodriguez, Bongos

#### One For All

Sunday, April 27, 3:30 p.m. & 7 p.m. • Murry's
Eric Alexander, Tenor Sax • Jim Rotondi, Trumpet • Steve Davis, Trombone
David Hazeltine, Piano • Peter Washington, Bass • Joe Farnsworth, Drums

### "Jazz Goes To The Movies"

Jazz On A Summer's Day Tuesday, March 4 - 7 p.m. **Documentry About** 

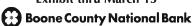
1958 Newport Jazz Festival

Only 80 Seats Ragtag Cinema

Annual Photography Exhibit

### "The Work of Herman Leonard"

**Exhibit thru March 15** 



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**CHARGE LINE: 866-646-8849 ONLINE:** www.ticketmaster.com

JAZZ SERIES-BOX OFFICE: 573-449-97-601 Box Office: M-F 10 a.m. – 5:30 p.m. Email: wealwaysswing@aol.com 218 N. Eighth St., Columbia, MO 65201

New Jazz Series Review Available March 6

#### **HOSPITAL from Page 1**

from government and health insurers. A common response is to increase fees or to limit access to medical care.

"It ends up being a less than perfect teaching environment because you're always in conflict with who is running your hospital," Coats said.

He cautioned that any financial turnaround for the hospitals depends on cutting costs and, most important, increasing patient volume. Without the management interventions he outlined, Coats projected "a deteriorating fiscal picture" over the next three years and losses of nearly \$6 million for University Hospital by 2005.

Coats discussed a number of management issues that he said must be addressed immediately. The Hunter Group report says that one key to the equation is to "reorganize management, reduce overtime and agency use, and

adjust the size and mix of the workforce" at the hospitals "to more accurately reflect the number and types of patients

Coats stressed that staff lay offs were not being considered, at least for the near future. "The first thing that we are not going to do is lay off employees," he said. "We have a (patient) volume problem. We have identified in many cases exactly what the issues are that are creating the volume problem.

"This is a real simple equation; there's no rocket science to this at all. The more patients you have, the more employees you need to take care of them. The fewer patients you have, the fewer employees you need to take care of them. We think that in the short term we can improve volumes significantly."

If that prediction pans out, Coats said, lay offs will not be

necessary. Hospital managers will monitor volume increases and if they see significant improvements "we'll ride that horse for a fair amount of time," Coats said.

If patient volumes stay flat "and we go out there three, four, five, six months at that level we're probably going to have to make some adjustments" that could include lay offs, he said. "But it's going to be dynamic in terms of the timing."

One key to building patient volume and hospital revenues is to fill nearly 65 physician vacancies and to retain doctors who currently are on staff. "We need 65 additional physicians to care for the patients that we could be caring for if we had those physicians," Coats said. "We don't have the docs, so many patients are defaulting out of our system" because they have to wait too long to get appointments with specialists.

Some of the other "management imperatives" recommended in the Hunter Group report include:

• Establish strong accountability to ensure performance improvement. "We want to ensure that everyone in the organization who is accountable for something, whatever that may be, knows that they are accountable and are held responsible," Coats said.

 Improve "revenue cycle" performance. Revenue cycle is an industry term that refers to everything from admitting patients to billing them for services and then collecting those bills. Last October, Coats' firm sampled patient registration documents at MU Health Care the first step in the revenue cycle - and found a 34 percent error

• Improve MU Health Care's information technology systems. Coats said the current system is

poorly integrated and relies on several separate vendors, which results in higher costs than at other academic health centers. The report also calls for more accurate and timely financial reports.

• Reorganize management at MU Health Care to place all outpatient clinics under the direction of University Physicians. The reorganization also would place all medical operations under the control of a chief medical officer and would create an operations cabinet to speed up the time it takes to make management decisions.

• Develop programs to improve customer service and provide better support for

The complete Hunter Group report is available on the MU Health Care Web site at www.muhealth.org.



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#### Office hours:

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#### **CENTER from Page 1**

Beginning a decade ago, cardiovascular scientists from MU and their colleagues at other institutions get together on campus for the annual Cardiovascular Research Day. This year the event was held Feb. 18.

Recent federal appropriations of \$2 million – secured by Sen. Christopher "Kit" Bond — and a similar amount from the National Institutes of Health makes it possible for the first upgrade to the building since it was built in 1967. Work has just begun, and when the renovations are complete in 2004, Blaine says that the center will have expanded by approximately one-third, providing critically needed

new laboratory and office space.

Research funding for Dalton investigators — around \$11 million annually - comes from agencies such as the National Institutes of Health, the U.S. Department of Defense, the American Heart Association, the Cystic Fibrosis Foundation and the Muscular Dystrophy Foundation. The outcome of their work, Blaine says, is published worldwide to help the scientific community "better understand the work of cardiovascular function, discover new drugs to treat disease or advise people who have cardiovascular diseases."

The center supports a program that is focused on interdisciplinary, collaborative

research among the various academic units on campus, including the School of Medicine, and the colleges of agriculture, food and natural resources, engineering and veterinary medicine. Missouri has a high incidence of cardiovascular disease, Blaine says. "The work we do here is extremely relevant to the general health of the people of Missouri."

Of the 30 investigators associated with the center, 18 have laboratories at Dalton; the remainder have laboratories in their academic departments. Their research focuses on four areas, Blaine says.

One scientific focus is studying the effects of both

inactivity and exercise on cardiovascular functions. "We are interested in how exercise improves cardiovascular functions and prevents heart attacks and failure," Blaine says. "On the other hand, we want to know how being a couch potato contributes to cardiovascular disease."

Another research area deals with the interaction of the brain and the nervous system and cardiovascular function. For example, one scientist at Dalton studies the way the brain and nervous system protect the body during blood loss, Blaine says. "This is important in war casualties where we need to understand at a fundamental level what is going on to try to

help people who have serious wounds survive."

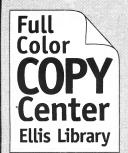
A third research area is cystic fibrosis. People think of this as a pulmonary or lung disease, but Blaine says it has many implications in the cardiovascular system, too.

The fourth focus is that of cancer and cardiovascular function. "This is a new area in which we are working on understanding how blood vessels grow in tumors and how to regulate that blood vessel growth," Blaine says. "By doing so, you can stop their growth completely, and without blood supply, tumors won't be able to survive. We anticipate this effort will be one of our biggest growth areas in the future."

# Ellis Library Copy Service

## March Trivia Question:

The first MU Commencement was in November 1843. How many students graduated?\*



(573)882-7262

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\*There were two graduates, cousins Robert L. Todd and Robert B. Todd. However, since the legislature hadn't given the University authority to grant diplomas, their official degrees weren't given until 1845. Robert L. went on to be Secretary of the Board of Curators while Robert B. became a Louisiana Supreme Court Judge.

## MizzouWeekly

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