

Mizzou Weekly



Targeting Arthritis

Study looks at biological basis of inflammation.
Page 11

Stimulating Research

MU scientists get \$16.3 million in federal stimulus money.
Page 12

Sept. 10, 2009
University of Missouri

A Copious Calendar

Mizzou Weekly's fall semester events calendar begins on Page 3.

Sustainability office helps Mizzou 'live lightly on the earth'

REALIZING RECYCLING

MU's new sustainability office coordinates campuswide efforts

When Steve Burdic started work as MU's solid waste and recycling coordinator three years ago, he didn't realize the surprise he was in for. "I went out and started talking to people and found out there are all these groups on campus that are already recycling a whole lot of stuff," Burdic says.

"I realized in my second week here that one of the things I had to do was consolidate all that good recycling activity into a report that captured all the complexity and diversity of recycling we do on campus and give it a face."

Gathering that information on recycling was also part of the responsibility of a campuswide task force made up of members of MU's Administrative Leadership Development Program. One recommendation the group made in its report was to establish a central campus sustainability office. In April 2009, Chancellor Brady Deaton expanded Burdic's role to include coordinating MU's sustainability efforts.

What exactly is sustainability? There are several definitions, Burdic says. Perhaps the most familiar is the idea of leaving our planet in better shape for our children than it was when we found it. Taken on that level, sustainability is very broad with lots of room for interpretation.

Another definition perhaps a little more to the point would **SEE SUSTAINABILITY on Page 2**

be to say sustainability is living as lightly as possible on the planet. "For example, if we can turn the water off as we're brushing our teeth, that doesn't cost us anything and we save some water," Burdic says.

"Our individual actions taken in aggregate really add

up. If we can save 1 percent of our energy every year at the university because we're frugal, that probably means we're reducing our greenhouse gas emissions by about 1 percent, so that sort of thing becomes more important," he says.

"We have not been very

good about letting people know about the good things we are doing every day. Hopefully, pointing out the good things will inspire us to do even better."

The sustainability task force report is available online at the sustainability office's Web site at sustainability.cf.missouri.edu.

- Campus Facilities Energy Management recycles more than 50 tons of scrap metal each year from repair and replacement projects in the power plant.

- Energy Management

launched an energy conservation program in 1990 that has saved the university \$32 million in energy costs. Even though building space has grown by 28 percent since 1990, energy use has been reduced by 12 percent per square foot. The conservation program helps the university avoid \$4.3 million a year in energy costs. Energy conservation provides environmental benefits, as well. The campus has decreased greenhouse gas emissions by 11 percent per



Nicholas Benner photo

INDIVIDUAL IMPACT

As MU's new sustainability coordinator, Steve Burdic says part of his job is get out the word that campus recycling and sustainability efforts already are substantial and can get even better if everyone pitches in.

MU's new initiative strategy will take advantage of campus strengths

COMPETITIVE EDGE

Campus has identified five initiative areas

Nearly three years ago, the campus community began an

ongoing discussion about how to move MU forward during tough economic times. Led by Provost Brian Foster and Richard Wallace, chancellor emeritus, a task force began exploring Mizzou's "competitive

advantages" — the things about MU that set it apart from other universities and that could help it build eminent programs in those areas.

As the discussion continued, along with a series of open

forums and focus group sessions, task force members narrowed their focus and identified five program initiatives that could be developed from those unique campus strengths.

Now, Foster says, MU is

preparing to formally launch those initiatives in a coordinated program that will include hiring new faculty and staff in the initiative areas, building bridges to outside partners, supporting new curriculum

SEE ADVANTAGE on Page 12

Veggies for vitality

It won't be long before fresh, luscious sweet corn and dead-ripe heirloom tomatoes are only a distant memory to savor during the bleak winter months. They're good for you, too, so you better get 'em while you can.

And you can from 10 a.m. to 3 p.m. next Thursday, Sept. 17, on Lowry Mall when vegetable and fruit producers from the campus and the local community will hold a farmer's market. In addition to locally grown fresh fruits

and vegetables there will be ice cream, hamburgers, baked goods and more to sample and purchase.

Sponsored by the Wellness Resource Center and Your Campus Prevention Office, vendors will only accept cash or checks. No credit cards will be accepted. In case of rain, the event will be held Sept. 24.

Celebrating discovery

When Lewis and Clark led their expedition westward in 1804, they opened up a whole new

world that most Americans had not imagined. Mizzou's scholars and scientists are opening new worlds as well, and each year MU celebrates that spirit of discovery with a campuswide "21st Century Corps of Discovery Lecture.

This year, acclaimed historian A. Mark Smith, Curator's professor of history, will present the lecture at 3:30 p.m. Wednesday, Sept. 23, in Keller Auditorium in the Geology Building. More information is online at chancellor.missouri.edu/discovery.

The topic of Smith's talk will be "More Than Meets the Eye: What Made the 'Printing Revolution' Revolutionary." The invention of the printing press in the mid-15th century was a turning point of Western civilization. The printing press did more than democratize reading; it transformed the way texts were read and assimilated in fundamental ways. Smith will discuss some of the implications.

A global culture

MU's international students offer a taste of their cultures to mid-Missouri with one of Mizzou's most popular and longest running traditions, the International Bazaar. This year marks the 33rd anniversary of the event, which allows the university and local community to enjoy free ethnic food, beverages and souvenirs and also features the first MU International Day. It will be held from 11 a.m. to 2 p.m. Tuesday, Sept. 22, on Lowry Mall.

SUSTAINABILITY from Page 1

square foot of space. Reduced carbon dioxide emissions alone are equivalent to removing 18,000 cars from Missouri highways or planting 28,000 acres of trees. The power plant also has started supplementing its coal fuel by burning alternative fuels, such as chipped tires, corncobs and wood chips

• Environmental Health and Safety's chemical recycling program collects unused chemicals from MU laboratories and redistributes them to other certified campus researchers.

During the fiscal year that ended June 30, the program collected more than 2,400 containers of chemicals and helped researchers avoid \$200,000 in chemical costs.

• In fiscal year 2009, Environmental Health and Safety's resource recovery program sent 15 tons of fluorescent light bulbs to a

Missouri-based company that recycled all the components, including glass and mercury.

• Campus Dining Services is working with a volunteer student group that has started collecting and composting food scraps at several MU dining facilities. The compost is used in community gardens. They held a reduced-waste picnic this fall where more than 90 percent of all waste was composted.

• Printing Services recycled nearly 400 tons of paper trimmings and ships out truckloads at a time.

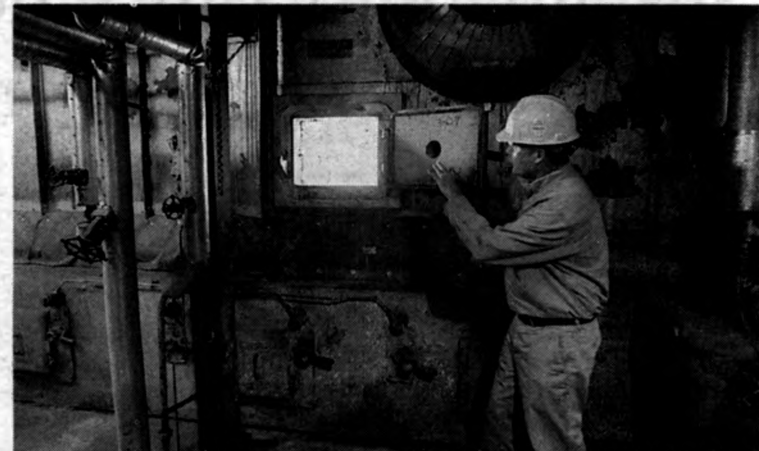
• Burdic's office has organized a gigantic rummage sale the past three years at which students donate items that ordinarily would be tossed out when they leave town at the end of the year. Called Tiger Treasures, the sale this year kept 17 tons of materials out of the landfill and raised \$14,097 for local

United Way agencies.

• In 2008, buildings on campus recycled 958 tons of mixed paper and 528 tons of cardboard. Indoor beverage recycling containers are available across campus, saving 25 tons of drink containers from the landfill. The Tiger Tailgate recycling program saved 19.2 tons last year and 74.4 tons of drink containers in the past four years from the landfill.

Although Mizzou does have a number of highly successful recycling programs, there is room for them to grow, Burdic says. "In round numbers, we throw away about 6,000 tons of solid waste a year, and we recycle pretty close to 2,000 tons — so that's about 24 percent that is recycled. We have the capacity to double that amount if people really pitch in and participate."

Education is key to improving recycling at Mizzou. "You can



Rob Hill photo

ENERGY EFFICIENT Energy Management launched an energy conservation program in 1990. Even though building space has grown by 28 percent since then, energy use has been reduced by 12 percent per square foot. The power plant has started burning alternative fuels like chipped tire and biofuels such as wood chips.

put up recycling bins, but if people don't use them it doesn't work very well. You have to let people know it's important that they use them," he says. "It might not seem to make a whole lot of difference when they put

their one can or bottle in there each day, but when you see that container fill up from everybody else doing the same thing you start realizing that individual actions really do count."

classifieds

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

Home phone number required.

Rates: 30-word maximum \$9

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 Classifieds, Mizzou Weekly, 407 Reynolds Alumni Center, Columbia, Mo. 65211

MizzouWeekly

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Editor John Beahler

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Photographers Rachel Coward, Nicholas Benner, Rob Hill

Designer/writer Sue Richardson

RETIREMENT PLANNING SEMINAR FOR FACULTY AND STAFF



October 6, 13, 20, 27
5-7 p.m.

This seminar is designed for faculty and staff no more than 10 years from retirement.

Session 1: ESTATE PLANNING
Session 2: FINANCIAL PLANNING
Session 3: SOCIAL SECURITY
Session 4: UM RETIREMENT PLAN

To register, go online to:
<http://www.umsystem.edu/ums/departments/hr/benefits/seminars/>

Space is limited. No reservations by phone. Register online by October 1.

Faculty and Staff Benefits

Professor Mark B. N. Hansen

Professor of Literature, Duke University

"The Autonomy of the Peripheral"

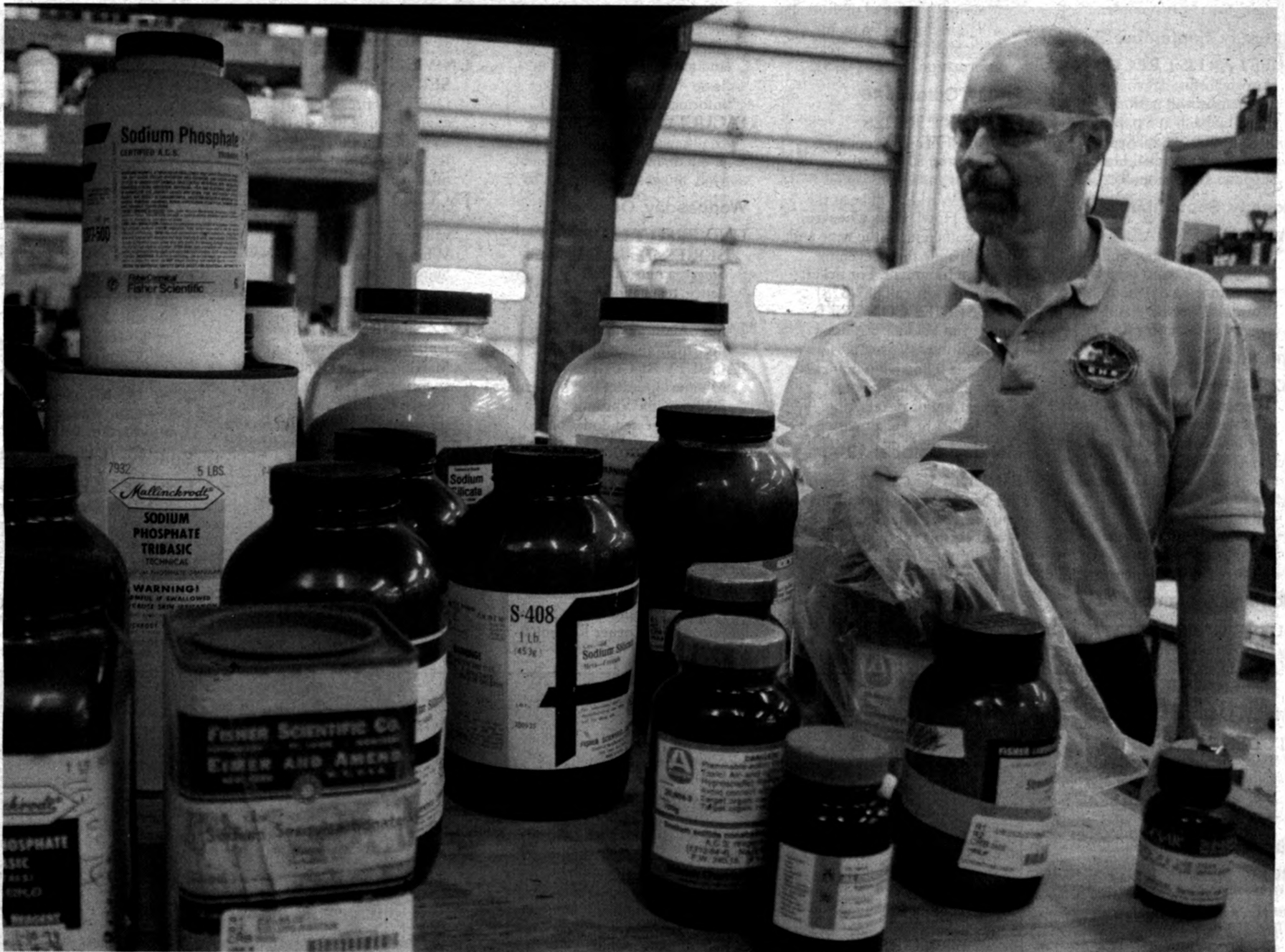
Thursday, September 17
Cornell 219 4-5:30 p.m.
Free and open to the public

Sponsored by the College of Arts and Sciences, the Department of German and Russian Studies, and the Office of the Provost

Mark Hansen's work focuses on the impact of new media technologies upon art, philosophy, and contemporary culture. He has authored three books, including *Bodies in Code: Interfaces with New Media* (Routledge, 2006), *New Philosophy for New Media* (MIT, 2004), and *Embodying Technesis: Technology Beyond Writing* (University of Michigan, 2000). Hansen has also co-edited three more books: *Critical Terms for Media Studies* (Chicago, 2008), *Emergence and Embodiment: New Essays in Second Order Cybernetics* (Duke, 2008) and *The Cambridge Companion to Merleau-Ponty* (Cambridge University Press, 2005).

For additional information please contact
Department of German and Russian Studies, 451 Strickland Hall
Telephone: 882-4328 email: grs@missouri.edu

Semester Calendar



Rachel Coward photo

Mizzou Weekly
Fall 2009 Semester

University of Missouri

Celebrating sustainability

Mizzou has a lot on the ball when it comes to recycling and sustainability initiatives. In recent years, the campus has made major strides in energy conservation. From laboratories to residence and dining halls to classrooms and offices, recycling efforts are keeping hundreds of tons of waste out of the landfill each year.

For instance, Environmental Health and Safety's chemical recycling program collects unused chemicals from MU laboratories and redistributes them to other certified campus researchers. During the fiscal year that ended June 30, the program collected more than 2,400 containers of chemicals and helped avoid at least \$200,000 in chemical disposal costs. Pictured above, environmental specialist Hugh Emerson surveys some of the thousands of different lab chemicals that are collected through the program.

Mizzou Weekly's fall semester calendar is celebrating MU's sustainability efforts with photos that demonstrate some of the many different ongoing campus initiatives.

Concerts & Plays

Monday, September 14

UNIVERSITY CONCERT SERIES: Grammy Award winners Huey Lewis and the News will perform their contagious brand of straight-ahead rock 'n' roll at 7 p.m. in Jesse Auditorium. For ticket information, call 882-3781.

FACULTY RECITAL: Janice Wenger will perform on the fortepiano at 7 p.m. in Whitmore Recital Hall. Suggested donation: \$5.

Thursday, September 17

UNIVERSITY THEATER SERIES: "Life and Literature in Performance," a free series of student-written and directed performances, will be presented at 8 p.m. today and Sept. 18 and 19, and at 2 p.m. Sept. 20 in the Corner Playhouse.

Saturday, September 19

GUEST ARTIST RECITAL: Harpsichordist Trevor Stephenson will perform works by Bach at 8 p.m. today and 1:30 p.m. Sept. 20 in Whitmore Recital Hall. Suggested donation: \$5.

Monday, September 21

FACULTY RECITAL: Dan Willett on oboe and Natalia Bolshakova on piano will perform at 8 p.m. in Whitmore Recital Hall. Suggested donation: \$5.

Thursday, September 24

JAZZ SERIES EVENT: The "We Always Swing" Jazz Series will celebrate 15 years of great jazz in Columbia with its annual "Jazz, Wine & Beer" Pub Crawl at various downtown venues beginning at 6:30 p.m. with Lil' Ed & the Blues Imperials performing at 9:30 at the Blue Note. For tickets, call 449-3001 or Ticketmaster.

Monday, September 28

GUEST ARTIST RECITAL: The Maraca2 Duo will perform at 8 p.m. in Whitmore Recital Hall. Suggested donation: \$5.

Friday, October 1

STUDENT ENSEMBLE: The Symphonic Wind Ensemble will perform at 8 p.m. in the Missouri Theatre. Suggested donation: \$5.

Sunday, October 4

MUSIC FESTIVAL OPENING: The Department of Music's "Haydn and Mendelssohn: Bicentenary Musings" festival opens at 7 p.m. today in the Reynolds Alumni Center with a concert and a lecture, "Mr. Outside and Mr. Inside," by music Professor Michael Budds. For ticket information, call 882-2606 or e-mail waltonrm@missouri.edu.

Monday, October 5

FACULTY RECITALS: The Faculty Chamber Concert will perform at 8 p.m. in Whitmore Recital Hall. Suggested donation: \$5. They also will present noontime concerts in the Lee Hills Hall lobby today and tomorrow, in the Ellis Library main floor reading room Oct. 7 and in the University Hospital main lobby Oct. 9.

Wednesday, October 7

STUDENT ENSEMBLE: The University Philharmonic will perform works by Haydn and Mendelssohn at 8 p.m. at the Missouri Theatre. Suggested donation: \$5.

UNIVERSITY THEATER SERIES: *The Grass Harp*, a musical based on a Truman Capote novel and directed by James Miller, will be presented at 8 p.m. today and Oct. 8-10, and at 2 p.m. Oct. 11 in Rhynsburger Theatre. For ticket information, call 882-PLAY.

Monday, October 12

FACULTY RECITAL: The Esterhazy Quartet will perform at 3 p.m. in Whitmore Recital Hall. Suggested donation: \$5.

UNIVERSITY CONCERT SERIES: The Cypress String Quartet will present "Inspired by America," a spirited multimedia collaboration, at 7 p.m. in Jesse Auditorium. For ticket information, call 882-3781.

Friday, October 16

CONCERT SERIES BENEFIT: The concert series' annual fundraiser, "Wines and Champagnes of the World," will be at the Tiger Hotel. Hors d'oeuvres will complement the wine and champagne for an evening of entertainment. For ticket information, call 882-3781.

JAZZ SERIES CONCERT: The Jim Widner Big Band with Bobby Watson perform a music scholarship fundraiser at 8 p.m. at the Missouri Theatre. For tickets, call 449-3001 or Ticketmaster.

Monday, October 19

FACULTY RECITAL: Soprano Christine Seitz accompanied by Jessica Paul on piano will perform at 8 p.m. in Whitmore Recital Hall. Suggested donation: \$5.

Wednesday, October 21

UNIVERSITY THEATER SERIES: *The Zoo Story* and *The American Dream*, two one-act plays by Edward Albee directed by David Crespy, will be presented at 8 p.m. today and Oct. 22-24, and at 2 p.m. Oct. 25 in the Corner Playhouse. For ticket information, call 882-PLAY.

Friday, October 23

STUDENT ENSEMBLES:

- Odyssey will present a gala benefit concert at 7 p.m. in Columbia's First Baptist Church.
- The Jazz Big Band Ensemble will perform at 8 p.m. at the Missouri Theatre. Suggested donation: \$5.

Monday, October 26

UNIVERSITY CONCERT SERIES: Bowfire, a fast-paced group of strings, cover musical styles including classical, jazz, Celtic, Gypsy, bluegrass and many more at 7 p.m. in Jesse Auditorium. For ticket information, call 882-3781.

FACULTY RECITAL: Music faculty will perform a jazz recital at 8 p.m. in Whitmore Recital Hall. Suggested donation: \$5.

Wednesday, October 28

UNIVERSITY CONCERT SERIES: *The Wedding Singer*, a musical full of dance, tears and laughs will be presented at 7 p.m. in Jesse Auditorium. For ticket information, call 882-3781.

FACULTY RECITAL: The Missouri Quintet will perform at 8:30 p.m. in Whitmore Recital Hall. Suggested donation: \$5.

Thursday, October 29

UNIVERSITY THEATER SERIES: *The Shoemaker's Prodigious Wife* by Federico Garcia Lorca, translated by artist-in-residence Caridad Svich and directed by Cfrancis Blackchild, will be presented free in a staged reading at 8 p.m. in the Corner Playhouse.

Saturday, October 31

STUDENT ENSEMBLE: The University Singers will perform at 7 p.m. at Columbia's First Baptist Church.

Sunday, November 1

FACULTY RECITAL: Janice Wenger and friends will perform chamber works at 3 p.m. in Whitmore Recital Hall. Suggested donation: \$5.

JAZZ SERIES CONCERT: "Spotlight in Jazz: Diverse" features a group of talented young musicians at 7 and 9:30 p.m. at Murry's, 3107 Green Meadows Way. For tickets, call 449-3001.

UNIVERSITY CONCERT SERIES: Take a journey back in time with Lerner and Loewe's musical masterpiece *Camelot* at 7 p.m. in Jesse Auditorium. For ticket information, call 882-3781.

Monday, November 2

UNIVERSITY CONCERT SERIES: Mozart Festival Opera will present *Marriage of Figaro*, sung in Italian with English subtitles, at 7 p.m. in Jesse Auditorium. For ticket information, call 882-3781.

FACULTY RECITAL: The Szekely-Schene Duo will perform at 8 p.m. in Whitmore Recital Hall. Suggested donation: \$5.

Tuesday, November 3

JAZZ SERIES FILM: *Martino Unstrung*, about guitarist Pat Martino and the 1980 brain aneurism that forced him to relearn his instrument, will be shown at the Ragtag Cinema at 7 p.m. For tickets, call 449-3001.

Wednesday, November 4

UNIVERSITY CONCERT SERIES: Clint Black, one of the biggest names in country music, will perform his top hits at 7 p.m. in Jesse Auditorium. For ticket information, call 882-3781.

JAZZ SERIES CONCERT: The Pat Martino Quartet will perform at 7 p.m. at the

Blue Note. For tickets, call 449-3001 or Ticketmaster.

Friday, November 6

STUDENT ENSEMBLE: The Percussion Ensemble will perform at 8 p.m. in the Missouri Theatre. Suggested donation: \$5.

Sunday, November 8

STUDENT ENSEMBLES: The Horn Choir will perform at 3 p.m. and the Trombone Choir will perform at 7 p.m. in Whitmore Recital Hall. Suggested donation: \$5.

Monday, November 9

STUDENT ENSEMBLE: The Symphonic Wind Ensemble will perform at the Missouri Theatre at 8 p.m. Suggested donation: \$5.

Thursday, November 12

UNIVERSITY THEATER SERIES: A World Theatre Workshop production of *Holding Up the Sky*, written by Milbre Burch, directed by Clyde Ruffin and with an original score by composer-in-residence Tori Meyer, will be presented at 8 p.m. today, Nov. 13-15 and Nov. 17-19 in Rhynsburger Theatre. For ticket information call 882-PLAY.

Saturday, November 14

UNIVERSITY CONCERT SERIES: Ensemble Galilei will present *A Universe of Dreams*, a multimedia compilation of music, photography, poetry and stories narrated by NPR's Neal Conan at 7 p.m. in Jesse Auditorium. For ticket information, call 882-3781.

Sunday, November 15

UNIVERSITY CONCERT SERIES: Burning River Brass Band will perform *From Stage to Screen*, a journey through music from the concert stage to the theater, the small screen and the big screen, at 7 p.m. in Jesse Auditorium. For ticket information, call 882-3781.



Kelsey Hammond, Coordinator
Amy Engelkenjohn, Office Support Staff III
 MU Sustainability Champions and MSA/GPC Studio Staff

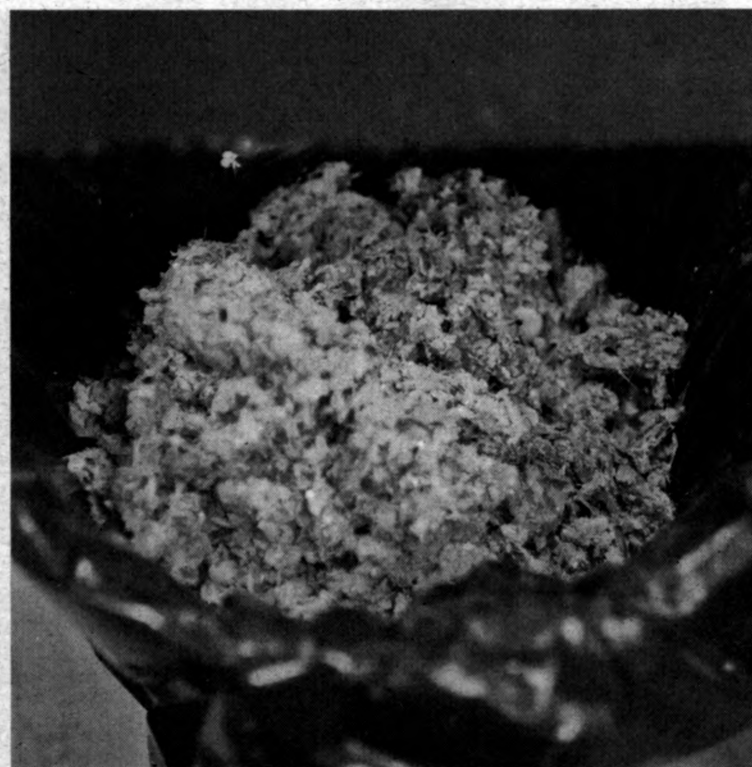
Hammond and Engelkenjohn take your crafty cast-offs — buttons, fabric, game pieces, tiles, magazines, beads and more — year-round. Donations are used at free Friday Crafternoons and other classes to keep costs minimal and help the environment by turning old junk into new fabulous art projects. Whether it's one Barbie shoe, an Altoids tin or an incomplete deck of cards, let Craft Studio participants give your trash a second chance.

Every little bit helps. Thanks for doing your part!

MU CAMPUS FACILITIES
 Sustainability Office
 sustainability.cf.missouri.edu



Student group Sustain Mizzou works with Campus Dining Services to compost some of the food waste generated in dining facilities at MU. Plates are emptied into a pulping machine, above right and left.



Rob Hill photos

Thursday, November 19

UNIVERSITY CONCERT SERIES: MU Choral Union will be joined by University Singers, the MU Philharmonic, guest soloists and conductor Paul Crabb when they present Brahms' *Requiem* at 7 p.m. in Jesse Auditorium. For ticket information, call 882-3781.

Sunday, November 22

JAZZ SERIES CONCERT: Bassist Christian McBride and his acoustic quintet, "Inside Straight," will perform at 3:30 and 7 p.m. at Murry's, 3107 Green Meadows Way. For tickets, call 449-3001 or Ticketmaster.

Tuesday, December 1

UNIVERSITY CONCERT SERIES: Broadway's Tony Award-winning musical *Avenue Q*, will be presented at 7 p.m. in Jesse Auditorium. For ticket information, call 882-3781.

Wednesday, December 2

UNIVERSITY CONCERT SERIES: Big Bad Voodoo Daddy Big Band Swing Party reworks yuletide classics into rollicking big band extravaganzas at 7 p.m. in Jesse Auditorium. For ticket information, call 882-3781.

Thursday, December 3

STUDENT ENSEMBLE: Hitt Street Harmony will perform at 7 p.m. in Whitmore-Recital Hall. Suggested donation: \$5.

Saturday, December 5

UNIVERSITY CONCERT SERIES: The St. Louis Ballet will present *The Nutcracker*, one of the most beloved ballets of all time, at 7 p.m. in Jesse Auditorium. For ticket information, call 882-3781.

Sunday, December 6

STUDENT ENSEMBLES:
 • The Women's Chorale will perform at 2 p.m. and the Concert Chorale will perform at 5 p.m. at Columbia's First Baptist Church.
 • A special holiday brass concert will be held at 3:30 p.m., a graduate chamber recital at 7 p.m. and the Violin Studio at 8:30 p.m. in Whitmore Recital Hall. Suggested donation: \$5.

JAZZ SERIES CONCERT: Vocalist Kurt Elling with pianist Laurence Hobgood and his trio will present "Dedicated to You: The Music of Johnny Hartman & John Coltrane" at 3:30 and 7 p.m. at Murry's, 3107 Green Meadows Way. For tickets, call 449-3001 or Ticketmaster.

UNIVERSITY CONCERT SERIES: Columbia Chorale will present the holiday concert "Handel's *Messiah* Christmas Highlights" at 7 p.m. in Jesse Auditorium. For ticket information, call 882-3781.

Wednesday, December 9

UNIVERSITY CONCERT SERIES: Wynonna will present *A Classic Christmas* at 7 p.m. in Jesse Auditorium. For ticket information, call 882-3781.

Sunday, December 13

UNIVERSITY CONCERT SERIES: *Cirque Dreams: Illumination* showcases an international cast of acrobatic urbanites, flexible fanatics, world-class athletes, musicians and more at 7 p.m. in Jesse Auditorium. For ticket information, call 882-3781.

Thursday, December 31

JAZZ SERIES CONCERT: A special New Year's Eve concert and dinner will feature Bobby Watson & Horizon with two seatings at 6:30 and 9:45 p.m. at Murry's, 3107 Green Meadows Way. For tickets, call 449-3001.

Conferences

Thursday, September 24

BUILDING COORDINATORS MEETING: Building Coordinators will meet to discuss building plans and issues at 9 a.m. in the Columns Room of the Reynolds Alumni Center.

Friday, October 9

NURSING CONFERENCE: The Sinclair School of Nursing hosts a two-day Perioperative Clinical Update conference at the Peachtree Banquet Center in Columbia. More information is available online at nursingoutreach.missouri.edu or by calling 882-0216.

Thursday, October 22

HUMAN-ANIMAL INTERACTION CONFERENCE: MU's Research Center for Human-Animal Interaction will sponsor the inaugural conference, "Human-Animal Interaction: Impacting Multiple Species," beginning today and continuing through October 25 in Kansas City, Mo. For more information, contact ReChai09Conf@missouri.edu.

ET@MO WORKSHOP: "Lecture Capture With Tegrity Software" will show how instructors can record their lectures through their Blackboard course sites from 1-2 p.m. in S203 Memorial Union.

Friday, September 18

ET@MO WORKSHOP: "Teaching During a Pandemic Flu Season" will feature instructors discussing their experiences of teaching during natural disasters and will outline MU's plan for dealing with pandemic flu from noon-2 p.m. in Memorial Union's Stotler Lounge.

Tuesday, September 22

ET@MO WORKSHOP: "Exploring Teaching Tools Options: Electronic Reserves, Blackboard & Course Materials" will be offered from noon-1 p.m. in 159 Ellis Library.

Wednesday, September 23

ET@MO WORKSHOP: "ELI Webinar: Flattening the Classroom: Building Collaborative Learning Environments" will be offered from noon-5 p.m. in 572 Bond Life Sciences Center. Register online at etatmo@missouri.edu.

Friday, September 25

MUSEUM KIDS EVENT: *School's Out! Art's In! Coins and Coinage* focuses on the museum's ancient coin collection as well as modern examples from 2-3:30 p.m. in Pickard Hall's Museum. Pre-registration is required; call 882-9498.

GRADUATE SCHOOL EVENTS: The National Science Foundation Graduate Research Fellowship Program campus visit allows MU administrators and faculty to meet with a program representative to learn how to help outstanding students compete for graduate fellowships from 10-11 a.m. in S-203 Memorial Union. RSVP online by September 14 at gradschool.missouri.edu/NSF-GRFP. An informational event will also be held from noon-1:30 p.m. in S304 Memorial Union.

Courses & Workshops

Sunday, September 13

KIDS MUSEUM EVENT: A Lewis and Clark Corps of Discovery reenactment portray Reuben and John Field, soldiers in the westward expedition, complete with period costumes from 2-3:30 p.m. in the Museum of Art and Archaeology. Registration required, call 882-9498.

Monday, September 14

GRAD SCHOOL EVENT: The Directors of Graduate Study 2009 Summit will update graduate education and the anticipated release of the National Research Council study. Reserve a spot after September 4 by contacting the Graduate School. Today's program is from 1-4 p.m. followed by a September 15 session from 9 a.m.-noon in the Smith Forum at the Reynolds Journalism Institute.

The Robert J. Trulaske Sr. College of Business presents a Vaughan Executive-in-Residence



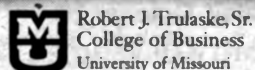
"Managing Talent in Turbulent Times"

Doug Rau
 Vice President Human Resources
 Sigma-Aldrich Corporation

Mr. Rau is the vice president of human resources for Sigma-Aldrich, a \$2.2 billion company that develops and produces research chemicals and is headquartered in St. Louis. Mr. Rau is responsible for human resources management for the company's 7,800 employees in 37 countries.

Tuesday, September 15, 2009 • 3:45 - 4:45 pm
Bush Auditorium • Cornell Hall

This lecture is free and open to the public



Parking is available on the upper level of Turner Avenue Garage. • 882.6768 • business.missouri.edu



Students Sean Coder and Katie Hemmann pick up the pulped food from Rollins Dining Hall and transport it by bicycle trailer to St. Joseph Community Garden where it is mixed with manure from Stephens College stables and turned into compost.

Rob Hill photos

Friday, October 9

ET@MO WORKSHOP:
 "Teaching Feedback With MoCAT and MyCourse" will be offered from noon-1 p.m. in 226 Heinkel Building.

Sunday, October 11

MUSEUM KIDS EVENT:
Egyptian Goddesses to European Queens shows female deities and royalty in this sacred Feminine exhibition from

2-3:30 p.m. in Pickard Hall's Museum. Pre-registration is required; call 882-9498.

Monday, October 19

ET@MO WORKSHOP:
 "MoCAT Support Session"

will be offered from 10-11 a.m. in 266 Heinkel Building.

Tuesday, October 20

ET@MO WORKSHOP: A brown-bag lunch workshop, "Open-Source Materials and

On-Demand Publishing at Mizzou," will be offered from noon-1 p.m. in the MU Student Center conference room.



Rachel Coward photo

Printing Services pitches in with the campus recycling effort. Each year, nearly 400 tons of trimmings and other paper waste are baled for recycling.

Wednesday, October 21

ET@MO WORKSHOP: "MoCAT Support Session" will be offered from 1:30-2:30 p.m. in 266 Heinkel Building.

Monday, October 26

ET@MO WORKSHOP: "Encouraging Active Learning With Clickers" will be offered from noon-1 p.m. in N206 Memorial Union.

Saturday, October 31

MUSEUM KIDS EVENT: *Haunted Museum* welcomes families and children, students and grownups for a tour of the Muesum's artwork from 6-8:30 p.m. in Pickard Hall's Museum.

Thursday, November 5

ET@MO WORKSHOP: "Quality Matters: Standards in Online Learning" will be offered from noon-1 p.m. in N201-202 Memorial Union.

Tuesday, November 10

ET@MO WORKSHOP: "Using e-Portfolios to Conduct Authentic Assessment and Evaluation" will be offered from noon-1 p.m. in Memorial Union's Stotler Lounge.

Sunday, November 15

MUSEUM KIDS EVENT: *Women Artists* lets participants embark on a treasure hunt of artwork made by women from 2-3:30 p.m. in Pickard Hall's Museum. Pre-registration is required; call 882-9498.

Tuesday, November 17

ET@MO WORKSHOP: "New Literacies: Expanding Our Understanding of Literacy With Technology" will be offered from noon-1 p.m.

in S206 Memorial Union.

Thursday, December 8

ET@MO WORKSHOP: "E-books, Google Books, Adobe Digital Books — Are They the Same and How Can I Use Them?" will be offered from noon-1 p.m. in S204 Memorial Union.

Sunday, December 13

MUSEUM KIDS EVENT: "Who Wants to be an Archaeologist?" talks about different careers connected with the Museum and looks at some of the finds that archaeologists have discovered. Then try your hand at excavating your own "dig" and uncover a "treasure" to take home from 2-3:30 p.m. in Pickard Hall's Museum. Pre-registration is required; call 882-9498.

Monday, December 14

ET@MO WORKSHOP: "Final Grades. Blackboard & MyZou" will be offered from 2-3 p.m. today and 10-11 a.m. Dec. 16 in 266 Heinkel Building.

Exhibits

BINGHAM GALLERY: "The Communal Glass" is a community art project produced by Susan Taylor Glasgow, other artists and non-artists from around the world and runs through Oct. 1. The museum, located in A125 Fine Arts Building, is open from 8 a.m.-5 p.m. weekdays.

MUSEUM OF ART & ARCHAEOLOGY

- "The Fine Art of Living: Luxury Objects From the East and West"
- "The Faces of Warhol," featuring

"working" photographs by artist Andy Warhol, is on display through summer 2010.

- "The Sacred Feminine: Prehistory to Post-Modernity" is on display through December 24. The museum, located in Pickard Hall, is open from 9 a.m.-4 p.m. Tuesday-Friday and from noon-4 p.m. Saturday and Sunday.

STATE HISTORICAL SOCIETY

- "Twentieth-Century Missouri Portraits: From Famous to Familiar" showcases portraits of and by Missourians in an exhibit that runs Sept. 19-March 2010.
- "The Golden Age of the Comic Strip" displays the vibrant years of newspaper comics in an exhibit that runs Nov. 7-May 2010. Gallery hours are 9 a.m.-4:30 p.m. Tuesday to Friday and 9 a.m.-3:15 p.m. Saturday.

Lectures & Seminars

Thursday, September 10

NUTRITION & EXERCISE SEMINAR: Azlin Mustapha, associate professor of food science, will present "Probiotics as Functional Food Ingredients" at 4 p.m. in Acuff Auditorium, MA217 Medical Sciences Building.

MUSEUM LECTURE: Todd Richardson, a doctoral candidate in English, will present "Folk Art Factory: Andy Warhol and Vernacular Culture" at 5:30 p.m. in the 106 Pickard Hall.

Saturday, September 12

SATURDAY MORNING

SCIENCE: Galen Suppes, professor of chemical engineering, will present "Clean Vehicles: From Agricultural Waste to High-Tech Storage Tanks" from 10:30-11:30 a.m. in the Life Sciences Center's Monsanto Auditorium.

HISTORICAL SOCIETY LECTURE: Gladys Cogswell, master storyteller and author, will present "Stories from the Heart: Missouri's African-American Heritage" at 1 p.m. in 23 Ellis Library.

Wednesday, September 16

COMPLIANCE & QUALITY SEMINAR: Wiliam Dale, director of MU's Animal Care Quality Assurance, will present "Research Animal Care and Oversight" from 1:00-2:00 p.m. in Acuff Auditorium.

MUSEUM LECTURE: Arts specialist Virginia Pfannenstiel will present "The Sacred Feminine—A Contemporary Artist's Perspective" from 12:15-1:00 p.m. in the Pickard Hall's exhibition galleries.

GRAD SCHOOL SEMINAR: Robin Walker with the Graduate School's career services office will present "Competitive Resumes" from 12-1:30 p.m. in S304 Memorial Union.

WRITING PROGRAM SEMINAR: Jim Spain, vice provost for undergraduate studies, will present "Teaching Societal Issues Facing Animal Agriculture: A Writing Intensive Course for Sophomores" from noon-1 p.m. in Conley House.

DIVERSITY IN ACTION SEMINAR: Peter Gardner, professor emeritus of

anthropology, will present "Universal Values? Not According to the Facts!" from noon-1 p.m. in S206 Memorial Union.

ECOLOGY & EVOLUTION SEMINAR: Jeff Hoover from the Illinois Natural History Survey will present "Costs and Coercion: Evidence of Mafia-like and Farming Behaviors in Brood Parasitic Cowbirds" from 4-5 p.m. in 106 Lefevre Hall.

Thursday, September 17

GERMAN & RUSSIAN STUDIES LECTURE: Mark Hansen, professor of literature at Duke University will present "The Autonomy of the Peripheral" from 4-5:30 p.m. in 219 Cornell Hall.

NUTRITION & EXERCISE SEMINAR: Heather Leidy from the University of Kansas Medical Center will present "The Impact of Increased Dietary Protein and Meal on Appetite Control and Body Weight Management" at 4 p.m. in Acuff Auditorium, MA217 Medical Sciences Building.

Saturday, September 19

SATURDAY MORNING SCIENCE: Mark Milanick, professor of medical pharmacology and physiology, will present "Wanted — Red Blood Cells: Dead Or Alive" from 10:30-11:30 a.m. in the Life Sciences Center's Monsanto Auditorium.

Tuesday, September 22

BIOLOGICAL SCIENCES SEMINAR: Ramani Ramchandran from the

Medical College of Wisconsin will present "Vasculogenesis Mechanism in Embryonic Development and Disease" at 3:30 p.m. in the Life Sciences Center's Monsanto Auditorium.

Wednesday, September 23

CORPS OF DISCOVERY

LECTURE: Mark Smith, Curator's professor of history, will present "More Than Meets the Eye: What Made the 'Printing Revolution' Revolutionary" at 3:30 p.m. in the Geology Building's Keller Auditorium. A reception will follow.

ECOLOGY & EVOLUTION

SEMINAR: Pamela Steele, from UM-St. Louis will present "Systematics of Neotropical Psiguria (Cucurbita-ceae): Identifying Low-Copy Nuclear Markers, Molecular Phylogenetics and Taxonomic Revision" from 4-5 p.m. in 106 Lefevre Hall.

Thursday, September 24

NUTRITION & EXERCISE

SEMINAR: Zhiqiang Zheng, a doctoral candidate in nutrition, will present "Novel Roles of Copper Homeostasis in Alzheimer's Disease and Regulation of Inducible Nitric Oxide Synthase" at 4 p.m. in Acuff Auditorium, MA217 Medical Sciences Building.

CREATIVE WRITING

LECTURE: Critic, essayist and memoirist Vivian Gornick, a faculty member at The New School, will present "An Evening with Vivian Gornick" at 7:30 p.m. in the Reynolds Alumni Center. A reception and book-signing will follow.

Saturday, September 26

SATURDAY MORNING

SCIENCE: George Stewart, professor of veterinary pathobiology, will present "Darwin's Germ: The Life & Times of *E. coli*" from 10:30-11:30 a.m. in the Life Sciences Center's Monsanto Auditorium.

GRAD SCHOOL SEMINAR:

Faculty presenters meet with graduate students to discuss aspects of writing their thesis or dissertation for "Writing Saturdays for Graduate Students" from 10:15 a.m.-3:15 p.m. in Ellis Library.

Tuesday, September 29

BIOLOGICAL SCIENCES

SEMINAR: Thomas Peterson from Iowa State University will present "How Do *Ac/Ds* Transposons Induce Chromosome Arrangements in Plant Genomes?" at 3:30 p.m. in the Life Sciences Center's Monsanto Auditorium.

Wednesday, September 30

GRAD SCHOOL SEMINAR:

Lee Wilkins, Curators' professor of journalism, will present "Academic CVs and Cover Letters" from 12-1:30 p.m. in N206, Memorial Union.

WRITING PROGRAM

SEMINAR: George Justice, interim dean of the Graduate School, will present "WATC and Graduate Students" from noon-1 p.m. in Conley House.

COMPLIANCE & QUALITY

LECTURE: Noel Premkumar, chief scientific officer for ABC Labs in Columbia, will present "New Drug Development: The FDA and Preclinical Studies" at noon in Acuff Auditorium, MA217



Containers placed all over campus give everyone the opportunity to pitch in and recycle. Indoor beverage recycling containers are available across campus, saving 25 tons of drink containers from the landfill. The Tiger Tailgate recycling program saved 74.4 tons of drink containers from the landfill in the past four years.

Rachel Coward photo

Medical Sciences Building.
ECOLOGY & EVOLUTION SEMINAR: Robert Marquis from UM-St. Louis will present "Contingencies of Attack by Leaf-Tying Caterpillars on Oaks: Implications for a Revision of Plant-Defense Theory" from 4-5 p.m. in 106 Lefevre Hall.

Thursday, October 1

NUTRITION & EXERCISE

SEMINAR: Brian Finck from the Washington University School of Medicine will present "Lipin Proteins Control Hepatic Fat Metabolism Through Thick and Thin" at 4 p.m. in Acuff Auditorium, MA217 Medical Sciences Building.

Saturday, October 3

SATURDAY MORNING

SCIENCE: Deb Anderson, assistant professor of veterinary pathobiology, will present "An Injection of Plague" from 10:30-11:30 a.m. in the Life Sciences Center's Monsanto Auditorium.

Tuesday, October 6

MUSIC LECTURE: As part of the music department's Haydn/Mendelssohn Festival, Annett Richter, visiting assistant professor of music, will present "The Visual Imagination of a Romantic Seascape: Mendelssohn's Hebrides Overture Revisited" at 3 p.m. in Whitmore Recital Hall.

ARCHAEOLOGY LECTURE:

Sarah Parcak, assistant professor of anthropology at the University of Alabama-Birmingham, will present "The End of Egypt's Pyramid Age from Space" at 5:30 p.m. in 106 Pickard Hall.

Wednesday, October 7

ECOLOGY & EVOLUTION

SEMINAR: Graduate student Patrick Guerra will present "All for One and

One for All: Cooperative Synchronous Chorus in Male *Neoconocephalus katydid*s" from 4-5 p.m. in 106 Lefevre Hall.

Thursday, October 8

MUSIC LECTURE: As part of the music department's Haydn/Mendelssohn Festival, Neil Minturn, associate professor of music, will present "Play in the Fugue of Haydn's String Quartet, Op.20, No.2" at 3 p.m. in Whitmore Recital Hall.

Saturday, October 10

SATURDAY MORNING

SCIENCE: Andr e Ariew, professor of philosophy, will present "Would Darwin Recognize Modern Darwinism?" from 10:30-11:30 a.m. in the Life Sciences Center's Monsanto Auditorium.

Monday, October 12

PHYSICS & ASTRONOMY

LECTURE: Federico Rosei, a materials scientist at the University of Quebec, will

present "Survivor Skills for Scientists" at 4 p.m. in 120 Physics Building.

Tuesday, October 13

BIOLOGICAL SCIENCES

SEMINAR: Freider Schoeck from McGill University will present "Cell-Matrix Adhesion and Myofibril Assembly Mediated by LIM Domain Proteins" at 3:30 p.m. in the Life Sciences Center's Monsanto Auditorium.

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Wednesday, October 14

GRAD SCHOOL SEMINAR:

MU faculty members Jerry Taylor, Carol Lorenzen and John Gahl will present "Women in the Academy: Tips for Success" from noon-1:30 p.m. in S304 Memorial Union.

WRITING PROGRAM SEMINAR:

Tom Marrero, professor of chemical engineering, will present "Abstracts" from noon-1 p.m. in Conley House.

ECOLOGY & EVOLUTION SEMINAR:

Jesus Maldonado from the Smithsonian Institution will present "Non-Invasive Methods for Genetic Analysis Applied to Ecological and Behavioral Studies of Wild Canids" from 4-5 p.m. in 106 Lefevre Hall.

Thursday, October 15

NUTRITION & EXERCISE SEMINAR:

Rod Johnson from the University of Illinois will

present "From Inflammation to Sickness and Fatigue: When the Immune System Subjugates the Brain" at 4 p.m. in Acuff Auditorium, MA217 Medical Sciences Building.

CREATIVE WRITING LECTURE:

Novelist, playwright and poet Diane Glancy, an assistant professor of English at Macalster College, will present "An Evening With Diane Glancy" at 7:30 p.m. in the Reynolds Alumni Center.

Saturday, October 17

SATURDAY MORNING SCIENCE:

Brenda Beerntsen, associate professor veterinary pathobiology and adjunct associate professor of plant sciences, will present "How Does Malaria Jump from Mosquitoes to Humans" from 10:30-11:30 a.m. in the Life Sciences Center's Monsanto Auditorium.

ARTS & SCIENCE LECTURE:

Diane Apostolos-Cappadona,

adjunct professor of religious art and cultural history at Georgetown University's Center for Muslim-Christian Understanding, will present "Fruit of Pleasure, Source of Sustenance, Object of Shame: On the Naked Breast of the Feminine Divine," at 4 p.m. in 106 Pickard Hall.

Tuesday, October 20

BIOLOGICAL SCIENCES SEMINAR:

Allan Spradling from the Carnegie Institution, will present "Analyzing Stem Cells in Vivo Using Drosophila" at 3:30 p.m. in the Life Sciences Center's Monsanto Auditorium.

Wednesday, October 21

GRAD SCHOOL SEMINAR:

Interim Graduate School Dean George Justice will present "Interviewing for Academic Jobs" from noon-1:30 p.m. in S304 Memorial Union.

ECOLOGY & EVOLUTION SEMINAR:

Eileen Hebets

from the University of Nebraska-Lincoln will present "The Evolution of Complex Signaling" from 4-5 p.m. in 106 Lefevre Hall.

Thursday, October 22

NUTRITION & EXERCISE SEMINAR:

Sarah Borengasser, a doctoral candidate in nutrition, will present "Run Fat Rat, Run: Exercise and Fish Oil as Treatments for Fatty Liver Disease" at 4 p.m. in Acuff Auditorium, MA217 Medical Sciences Building.

Friday, October 23

ECOLOGY & EVOLUTION SEMINAR:

Doctoral candidate Karthik Ramaswamy, will present "Collective Offspring-Parent Signaling in a Social Treehopper: Mechanisms, Patterns and Function" at 11 a.m. Location TBA

Saturday, October 24

SATURDAY MORNING SCIENCE:

Roger Chetelat

from the University of California-Davis will present "Charles M. Rick's Hunt for the Wild Tomato" from 10:30-11:30 a.m. in the Life Sciences Center's Monsanto Auditorium.

Tuesday, October 27

BIOLOGICAL SCIENCES SEMINAR:

Dan Rubenstein from Princeton University will present "Equid Social Networks: Individual Roles and Community Dynamics" at 3:30 p.m. in the Life Sciences Center's Monsanto Auditorium.

GRAD SCHOOL SEMINAR:

Robin Walker and Catherine Hsieh with the Graduate School's career services office, will present "Difficult Interview Questions: How to Prepare for All Types of Interviews" from noon-1:30 p.m. in S110 Memorial Union.

Wednesday, October 28

WRITING PROGRAM SEMINAR:

Haskell Taub, professor of physics, will present "Barriers to Offering Writing Intensive Introductory Courses in the Physical Sciences, How We Are Trying to Overcome Them, and Why It's Worth Doing" from noon-1 p.m. in Conley House.

ECOLOGY & EVOLUTION SEMINAR:

Janez Presern, a post-doctoral fellow in biological sciences, will present "Mate Searching and Localization in the Green Stinkbug, Nezara Viridula" from 4-5 p.m. in 106 Lefevre Hall.

Thursday, October 29

NUTRITION & EXERCISE SEMINAR:

Susan Johnson from the University of Colorado will present "Early Childhood Nutrition: Patterns for a Lifetime" at 4 p.m. in Acuff Auditorium, MA217 Medical Sciences Building.

CREATIVE WRITING LECTURE:

Poet Bruce Bond, a faculty member at the University of North Texas, will present "An Evening With Bruce Bond" at 7:30 p.m. in the Reynolds Alumni Center.

Saturday, October 31

SATURDAY MORNING SCIENCE:

Xiaoqin Zou, professor of physics, will present "How are Drugs Designed?" from 10:30-11:30 a.m. in the Life Sciences Center's Monsanto Auditorium.

GRAD SCHOOL SEMINAR:

Faculty presenters meet with graduate students to discuss aspects of writing the thesis or dissertation for "Writing Saturdays for Graduate Students" from 10:15 a.m.-3:15 p.m. in Ellis Library.

Tuesday, November 3

BIOLOGICAL SCIENCES SEMINAR:

John Eppig from the Jackson Laboratory will present "Oocyte Control of Follicular Development" at 3:30 p.m. in the Life Sciences Center's Monsanto Auditorium.

HISTORICAL SOCIETY LECTURE:

Bill Stolz, assistant director of reference at the Western Historical Manuscripts Collection, will present "Civil War in Mid-Missouri through Letters and Diaries" at 7 p.m. in Walters-Boone County Museum.



A giant rummage sale called Tiger Treasures features items students would normally discard when they leave town for the summer. The sale this year kept 17 tons of materials out of the landfill and raised \$14,097 for local United Way agencies.

Rob Hill photo

GRAD SCHOOL SEMINAR:

Robin Walker and Catherine Hsieh with the Graduate School's career services office, will present "Securing an Interview: Cover Letters that Work" from 12-1:30 p.m. in N206 Memorial Union.

Wednesday, November 4

MUSEUM LECTURE: Olivia Fales, a graduate student in art history and archaeology, will present "Threat to the Male Order: The Dangerous Feminine in Ancient Greece" from 12:15-1:00 p.m. in the Pickard Hall.

ECOLOGICAL & EVOLUTION SEMINAR: Doctoral candidate Jennifer Geib will present "The Impacts of Pollinator Abundance on Benefits from Pollination Mutualisms" from 4-5 p.m. in 106 Lefevre Hall.

NUTRITION & EXERCISE SEMINAR: Steven Blair from the University of South Carolina will present "Physical Activity and Weight Management" at 4 p.m. in Acuff Auditorium, MA217 Medical Sciences Building.

Thursday, November 5

LLOYD B. THOMAS LECTURE: Diandra Leslie-Pelecky, professor of physics and astronomy at the University of Nebraska, will present "The Physics of Nascar: The Science Behind the Speed," at 7 p.m. in Jesse Auditorium.

Saturday, November 7

SATURDAY MORNING SCIENCE: Judy Miles, professor of child health and pathology, will present "Autism's Causes and Treatments: Separating Facts from Fantasy" from 10:30-11:30 a.m. in the Life Sciences Center's Monsanto Auditorium.

Monday, November 9

HISTORY LECTURE: Laurel Thatcher Ulrich, professor of history and women's studies at Harvard University, will present the Lewis Atherton Lecture, "Mud and Fire: Mormon Diarists Cross Iowa," at 7 p.m. in the Geological Sciences Building's Keller Auditorium.

Wednesday, November 11

HISTORICAL SOCIETY LECTURE: Fred Woods, professor of religion at Brigham Young University, will present "Mormon Passage through Missouri" from 4-6 p.m. in Memorial Union's Wrench Auditorium.

GRAD SCHOOL SEMINAR: Lee Wilkins, Curator's teaching professor of journalism, will present "Negotiating an Academic Job Offer" from noon-1:30 p.m. in S304 Memorial Union.

WRITING PROGRAM SEMINAR: Lynne Pye from MU Direct: Continuing and Distance Education will present "Distance Learning" from noon-1 p.m. in Conley House.

DIVERSITY IN ACTION SEMINAR: Robin Mabry Hubbard, a doctoral candidate in rural sociology, will present "What Does Math Have to Do with a Community Divided?" from noon-1 p.m. in S206 Memorial Union.

ECOLOGICAL & EVOLUTION SEMINAR: George Uetz from the University of Cincinnati will present "Can

You Hear Me Now? The Importance of Multi-Modal Communication in Mating Behavior of Spiders" from 4-5 p.m. in 106 Lefevre Hall.

Thursday, November 12

NUTRITION & EXERCISE SEMINAR: Doug Bowles, assistant professor of veterinary biomedical science, will present "Physical Activity and Coronary Artery Disease: Does Smooth Muscle Play a Role?" at 4 p.m. in Acuff Auditorium, MA217 Medical Sciences Building.

ARCHAEOLOGY LECTURE: Eugene Borza, professor of history at Pennsylvania State University, will present "Treasures of the Royal Macedonian Tombs" at 5:30 p.m. in 106 Pickard Hall.

Saturday, November 14

SATURDAY MORNING SCIENCE: Mark Daniels, professor of molecular microbiology & immunology, will present "Cure You or Cripple You?" from 10:30-11:30 a.m. in the Life Sciences Center's Monsanto Auditorium.

Tuesday, November 17

BIOLOGICAL SCIENCES SEMINAR: Winsor Lowe from the University of Montana will present "Causes and Consequences of Variation in Dispersal Distance" at 3:30 p.m. in the Life Sciences Center's Monsanto Auditorium.

CREATIVE WRITING LECTURE: Tomaz Salamun, considered Slovenia's greatest living poet, will present "An Evening With Tomaz Salamun" at 7:30 p.m. at the Reynolds Alumni Center.

Wednesday, November 18

GRAD SCHOOL SEMINAR: Robin Walker with the Graduate School's career services offices, will present "Transforming a CV into a Resume" from 12-1:30 p.m. at a location to be announced.

ECOLOGICAL & EVOLUTION SEMINAR: Mark Robbins from the University of Kansas will present "Perspectives on Recent Sightings of the Ivory-Billed Woodpecker" from 4-5 p.m. in 106 Lefevre Hall.

Thursday, November 19

NUTRITION & EXERCISE SEMINAR: Doug Mashek from the University of Minnesota will present "TAG Hydrolysis: New Insights Into Its Role in Fatty Liver and Metabolic Disease Etiology" at 4 p.m. in Acuff Auditorium, MA217 Medical Sciences Building.

Tuesday, December 1

BIOLOGICAL SCIENCES SEMINAR: Jim Leebens-Mack from the University of Georgia will present "Plant Phylogenomics: Comparative Analysis of Genes and Genomes" at 3:30 p.m. in the Life Sciences Center's Monsanto Auditorium.

Wednesday, December 2

ECOLOGICAL & EVOLUTION SEMINAR: Nate Saunders from the University of Tennessee-Knoxville will present "Why Are There More Ants in Missouri than Maine? Using Null Models, Niche Theory, and Neutral Theory to Understand Patterns of Biodiversity" from 4-5 p.m. in 106 Lefevre Hall.

Saturday, December 5

SATURDAY MORNING SCIENCE: Paul Miceli, professor of physics, will present "What Is Superconductivity?" from 10:30-11:30 a.m. in the Life Sciences Center's Monsanto Auditorium.

Wednesday, December 9

DIVERSITY IN ACTION SEMINAR: Mark Palmer, assistant professor of geography, will present "Reflections in the Water: Kiowa Stories, Geographies, and New Traditions in the Ever-Changing World" from noon-1 p.m. in S206 Memorial Union.

ECOLOGICAL & EVOLUTION SEMINAR: Karen Cranston from the Field Museum of Natural History will present "Automating Phylogenetic Tree Inference from Public Sequence Databases" from 4-5 p.m. in 106 Lefevre Hall.

Saturday, December 12

SATURDAY MORNING SCIENCE: Steve Keller, associate professor of chemistry, will present "The Chemistry of NASCAR" from 10:30-11:30 a.m. in the Life Sciences Center's Monsanto Auditorium.

Special Events

Thursday, September 17

MU CAMPUS GALLERY & CULTURE CRAWL: Exhibitions and activities at the Museum of Art & Archaeology, the State Historical Society, the Bingham Gallery, the Museum of Anthropology, and MSA/GPC Craft Studio from 4:30-8:00 p.m. all on MU's campus.

Tuesday, October 6

2009 TRAINING CONFERENCE: Human Resource Services annual

training conference for MU staff features nearly 50 presentations and topics of interest to staff in the Memorial Union from 1-5 p.m. today, 8:30 a.m.-5 p.m. Oct. 7, and 8:30 a.m.-noon Oct. 7

Wednesday, October 21

CELEBRATE MISSOURI DAY: The *Missouri Heritage Readers* sets aside time to study Missouri history, its people, and places from 5-7 p.m. at the State Historical Society.

Tuesday, October 27

HISTORICAL SOCIETY EVENT: "Trick or Treat through Missouri History" at the Historical Society allows a unique Halloween adventure from 6-8 p.m. Kids wear costumes as they stop by various stations to learn about history. Free for kids of all ages.

Please join us for our 15th Anniversary Season – one filled with music, the creative spirit, an abundance of joy and many magical moments. Here are just some of the highlights.

Branford Marsalis makes his first area appearance in 10 years on Valentine's Day Weekend kicking off MU's "Arts & Science" Week.

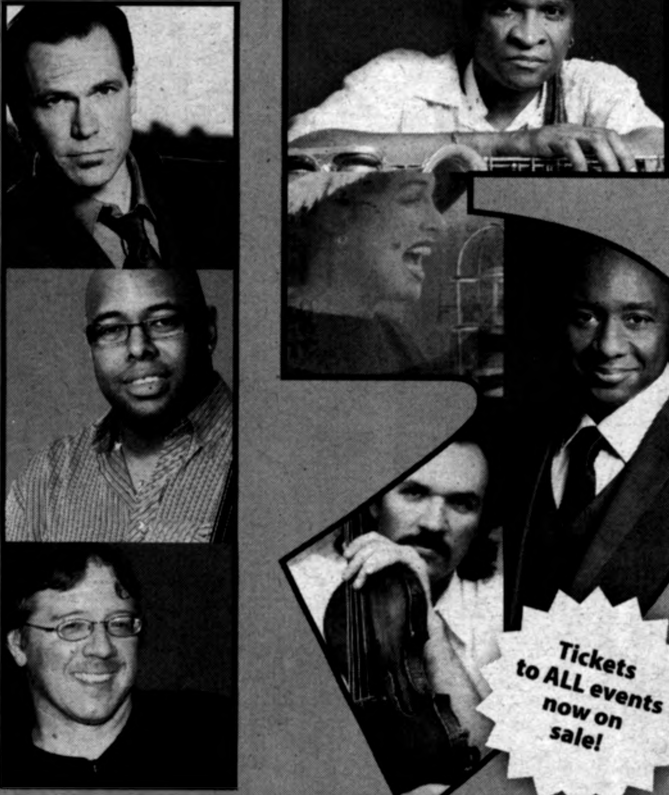
Bobby Watson, always a Jazz Series favorite, appears twice – serving as special guest with Jim Widner Big Band and then reunites with his famed quintet *Horizon* on New Year's Eve at Murry's.

Mark O'Connor's eclectic *Hot Swing* offers a *Django Reinhardt Centennial Celebration*.

Our 15th Anniversary is a Jazz Series season filled with GRAMMY™-nominees including 7-time honoree vocalist Kurt Elling, celebrated bassist Christian McBride and trombonist Conrad Herwig who with his acclaimed *Latin Side All-Star Band* "hosts" this year's *Dr. Carlos Perez-Mesa Memorial Concert* with the "Latin Side of Miles, Trane, Herbie & Wayne."

The Jazz Series and Ragtag Cinema team up to present "*Body & Soul: Jazz Series on Film*," a 4-program schedule that includes *Anita O'Day: Life of a Jazz Singer*.

2009/2010




SEASON

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"We Always Swing" JAZZ SERIES 2009/2010 Season



"Jazz in the District"

Pat Martino Quartet Featuring Eric Alexander & Tony Monaco [11/4/09; MTCA]

Mark O'Connor's Hot Swing: *A Django Reinhardt Centennial Celebration* [1/21/10; MTCA]

An Evening with Branford Marsalis [2/13/10; MTCA]

Rufus Reid Trio featuring Steve Allee & Duduka Fonseca with MU Concert Jazz Band [3/7/10; The Blue Note]

Dr. Carlos Perez-Mesa Memorial Concert: Conrad Herwig's Latin Side All-Star Band: "Latin Side of Miles, Trane, Herbie & Wayne" [4/17/10; The Blue Note]

"Sundays @ Murry's"

Christian McBride's *Inside Straight* [11/22/09]

Kurt Elling with Laurence Hobgood Trio: "Dedicated To You" [12/6/09]

Stefon Harris & Blackout [1/31/10]

Elayton Bros. Quintet with John & Jeff Clayton [4/11/10]

Special Events

Jim Widner Big Band with Special Guest Bobby Watson [10/16/09; MTCA]

New Year's Eve with Bobby Watson & Horizon [12/31/09; Murry's]

Spotlight In Jazz: *Diverse* [11/1/09; Murry's]

"Body & Soul: Jazz Series on Film"

Maximo Unstrung [11/3/09; Ragtag Cinema]

Sweet & Lowdown [1/14/10; Ragtag Cinema]

Anita O'Day: Life of a Jazz Singer [3/16/10; Ragtag Cinema]

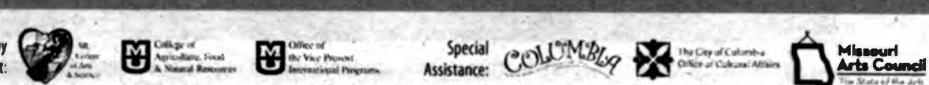
Double Feature: *The Universal Mind Of Bill Evans*




Plus *Piano Players Rarely Ever Play Together* [4/6/10; Ragtag Cinema]

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New study looks at biological basis of inflammatory disease

TARGETING ARTHRITIS Research could help develop new drugs

Many of the 46 million American with arthritis take over-the-counter anti-inflammatory medications that block production of certain molecules, known as bioactive lipids, to reduce pain and swelling. Yet, the role of these lipids is not yet understood

completely, and medications may have adverse side effects.

MU researchers recently completed the first comprehensive analysis of bioactive lipids in an inflammatory response triggered by the Lyme disease agent, *Borrelia burgdorferi*. This analysis could shed light on the role bioactive lipids play in inflammatory diseases.

“Many diseases, such as arthritis, cardiovascular disease

and diabetes are associated with chronic inflammation,” says Charles Brown, associate professor of veterinary pathobiology. “The first step in finding an effective treatment is to understand the basics of an inflammatory response, including the role of bioactive lipids. Understanding how bioactive lipids regulate the disease processes will lead to the development of drugs that

have more specific targets and less adverse side effects.”

In the study, researchers investigated the role of certain bioactive lipids in mice infected with *Borrelia burgdorferi*, the bacteria responsible for Lyme disease. Eicosanoids, bioactive lipids that play an important role in inflammatory disease, were extracted from mice that displayed symptoms of Lyme arthritis and from mice who

showed no symptoms. The researchers found differences in the amounts of specific eicosanoids in the samples, which correlated with the severity of arthritis in the mice.

“The process of inflammation is not a passive event, but instead is a coordinated, orderly process actively signaled by specific protein and lipid molecules,” Brown says.

Your brain on a binge EUPHORIC EATING

Brain chemicals influence eating habits

Scientists led a rat to the fatty food, but they couldn't make it eat. Using an animal model of binge eating, MU researchers discovered that deactivating a brain region involved in regulating emotion — the basolateral amygdala — specifically blocked consumption of a fatty diet. Surprisingly, it had no effect on the rat wanting to look for the food repeatedly.

“It appears that two different brain circuits control the motivation to seek and consume,” says Matthew Will, assistant professor of psychological sciences. “Understanding how this circuit in the brain works may provide insight into the exact networks and chemicals in our brain that determine the factors influencing our feeding habits.”

The release of opioids, pleasure chemicals that can lead to euphoria, into the brain produces binge eating in non-hungry rats. Will and his team of researchers determined that deactivating the basolateral amygdala blocked this type of binge eating.

“A key to curbing the obesity epidemic in America is controlling the desire to binge eat,” Will says. “Humans have more programming to start and continue eating than to stop eating.”

Deactivating the basolateral amygdala had no effect on feeding in rats that were simply deprived of food for 24 hours. This suggests that the basolateral amygdala is specifically involved in the overconsumption of food based on its palatability or pleasure driven by opioids, rather than the level of hunger.

In the past when food availability was scarce, humans may have needed this “binge eating” regulation to eat enough food when it was available. Now, when humans have access to foods high in sugar and fat 24 hours a day, this regulation can cause humans to overeat.

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From left to right: Pharmacists Cee Jaye Pecorak, Paige Harris and Janet Nuse fill prescriptions at University Physicians-Green Meadows Pharmacy.

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ADVANTAGE from Page 1 offerings, expanding research funding opportunities and bringing academic conferences and internationally prominent scholars to campus.

The initiative program, with an annual budget of \$6 million, will be phased in over the next several years. The broad initiative areas that have been identified are: Food for the Future; New Media; One Health, One Medicine: The Convergence of Human and Animal Health; Sustainable Energy; and Understanding and Managing Disruptive and Transformational Technologies.

"Substantial plans are under development in each of these areas as faculty and deans develop in-depth approaches and rationales for future activities," Chancellor Brady Deaton explained in an April 1, 2009 memo to Gary Forsee, president of the University of Missouri System.

"We approach the current planning process anticipating impressive achievements to be seeded by significant strategic investments that provide faculty incentives for growth, quality improvements

and socio-economic impact," Deaton told Forsee.

Mizzou has long been involved in strategic planning, Foster says, but "To start the process with a focus on finding our unique strengths was a little bit different frame of reference. The perspective is this: It's very difficult for us to take on the biggest, best resourced universities on their turf. "We just can't win on their turf. What we want to do is find the assets that we have that differentiate us from them, the assets that allow us to do the things they can't do.

"Thus, the goal all along was to find the assets that give us a really strong competitive position and position us uniquely in higher education, then to take those assets and build some program thrusts so we can do some things that really matter. It's investing strategically in our strengths," Provost Foster says.

"It is especially important to think this way in this time of difficult fiscal conditions. The one thing we surely don't want to do is to just be cutting opportunistically to make the budget balance. We need also to be investing strategically, continuing to move forward,

and this is a way to do that."

Foster emphasizes that these initiative areas are not intended to be new centers or institutes, but rather networks of collaborators. "These are all areas that are changing with the speed of light. Creating a hard structure is probably not a good idea, just for that reason if for no other," he says. "What is going to exist on the ground isn't going to be an organizational structure but a set of activities."

An advisory group will be appointed in each area to oversee the development and funding of key programs and projects. In addition, each initiative area will have a faculty facilitator — a current member of the MU faculty who will be hired to function, not as a director or line administrator, Foster says, but rather as a "team captain."

Planners hope those activities will include very large grants. "More and more federal money is going into big megaprojects — \$100 million and \$200 million projects — that are run by consortia, including, for example, universities, big consulting firms and national laboratories," Foster says. "We'd like to get our share of those kinds of big projects."

The initiative areas are also expected to trigger new directions for undergraduate and graduate education programs. The plan is not to create new majors, though some existing academic programs are likely to adjust curricula to better align with the initiatives.

However, MU will develop new certificate programs that meet needs in the initiative areas. "Here we've got all these areas in turmoil. They're changing rapidly, in some cases they're imploding, really. So our strategy is this: We have to continue to train people in more or less traditional ways. They have to have credentials that are recognized, that help them get employed. But these certificates will take a look at this rapidly changing environment that our graduates are going to be in, will give them a leg up in the job market, and give them a broader perspective about how the world is changing as they adapt to changing conditions in their job."

Another priority will be to include outside partners in the program. "It's very important that it's not just the campus that's engaged in this; it's going to be external collaborators as well," he says. "It's important

that we create strong programs that serve the communities and businesses across the state of Missouri." Those collaborations will also bring scholars of international stature to campus and enhance the intellectual vitality of the campus.

And, Foster says, the initiatives will be flexible enough to give MU's nonacademic units an opportunity to participate. For instance, he's been talking with Cathy Scroggs, vice chancellor for student affairs, about how her division could participate. "One obvious way is through the Freshman Interest Groups," he says. "Jim Cogswell (director of MU Libraries) and I have talked about the role the library is going to have to play — maybe adjusting its acquisitions policies, for instance, to support major initiatives.

"These things are only going to work if we get broad campus buy-in," Foster says. "There has to be a community around these initiatives, and that really involves the campus very broadly."

Stimulating research

CREATING JOBS

MU scientists get \$16.3 million in stimulus money for 36 research projects

Last year, nearly \$30 billion in stimulus funding to support research was released from the federal government to national agencies such as the National Institutes of Health and the National Science Foundation. Government officials hoped the money would be used for additional research while simultaneously creating jobs. To date, University of Missouri researchers have been awarded \$16.3 million in grants for 36 projects in areas such as human health, education and agriculture.

"We're very proud of our researchers who have, once again, demonstrated that they are among the nation's best in their fields by being recognized with these peer-reviewed grants," says Rob Duncan, vice chancellor for research.

"This money is creating jobs right now that are needed to support this research, but also has the potential to create long-term jobs upon the discovery of new technologies to improve the quality of life in many different areas. As the funds continue to be released, we expect several other proposals to win funding."

Some of current awards include:

- \$707,404 to Helen Mullen,

professor of immunology and rheumatology in the School of Medicine, to study excess fibrous tissue growth (fibrosis) that occurs in the thyroid and other organs in some autoimmune diseases.

- \$430,000 to Hao Li, an assistant professor of mechanical and aerospace engineering, to study how nanoparticles might be used in joint replacements.

- \$981,000 to the MU Swine Research Center for a study to explore using genetically modified pigs for organ-transplant studies.

- \$50,304 to Stefanos Sarafianos, assistant professor of molecular microbiology and immunology and researcher at the Christopher S. Bond Life Sciences Center, to study multi-drug resistant HIV.

"One of our missions, as the state's land-grant university, is to be an economic engine for the people of Missouri," says Chancellor Brady Deaton.

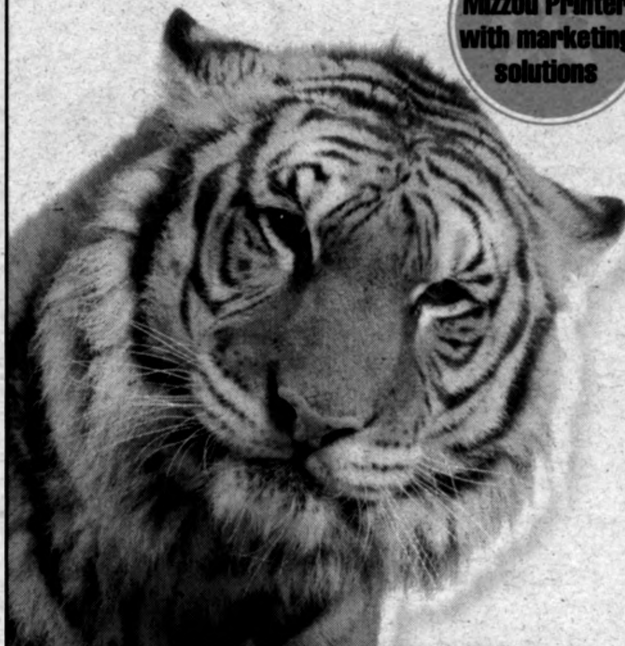
"As our scientists continue looking for ways to improve our quality of life, they are making breakthrough discoveries that will have an impact not only on human health, but also help create new, high-paying jobs that will continue to support our economy well into the future."

In the last fiscal year, 2008-09, MU researchers won more than \$230 million in grant and contracts.

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