

## Supporting graduate education

*New policy addresses fee waivers for Mizzou graduate students.*

**A**fter months of discussion among faculty and administrators, a new graduate student support policy has been developed that clarifies requirements graduate students must meet to qualify for a fee waiver.

"These efforts, combined with our mission enhancement funds, will enable us to strengthen our graduate programs and to provide a solid support base for them in the future," says Brady Deaton, interim provost and deputy chancellor.

The policy, which goes into effect with

the 1998 summer session, promotes the recruitment and retention of high quality graduate students and enhances graduate programs. Funding for the new Graduate Student Support Program will be administered through the Graduate School.

A complete text of the policy appears on page 5 in this issue of *Mizzou Weekly* and on the Graduate School web site at [www.research.missouri.edu/gradschl](http://www.research.missouri.edu/gradschl)

According to the new policy, graduate students must hold at least a quarter-time

teaching or research assistantship — or a fellowship in an equivalent amount — to qualify for a fee waiver. Those positions can be either in the academic home department of the student or in another degree program approved by the home department. To continue receiving the waivers, students must be in good academic standing as determined by the home departments.

In limited instances, the position could be in a non-degree granting unit such as the Campus Writing Program. However,

in all such appointments the student's academic home must certify his or her eligibility.

"I think this gets us on our way to an effective and amiable resolution of this issue," says Charles Sampson, interim dean of the Graduate School. "Of course, there are always details that the best committees and the best administrators cannot foresee."

A number of details are being resolved this semester, says Bruce Cutter, chair of MU's Graduate Faculty Senate. That group worked with Sampson, a faculty task force on graduate support, associate provost Elaine Charlson and divisional deans to help draft the latest policy. In

**See Waiver, Page 5**



**At 8 a.m. April 3, fine arts graduate student Neely Hachtel started placing pieces of pottery on refractory shelves in the anagama. Eight hours later, she and other volunteers had filled the kiln with 250 objects, everything from functional bowls and cups to large abstract sculptural clay pieces. They will be unloaded today, after undergoing two days of firing and four days of cooling.**

Nancy O'Connor photo

## All fired up

**I**f kilns are to ceramic artists what instruments are to musicians, then the fine arts department has a Stradivarius of an oven.

And it's a monster. Containing 4,000 firebrick, the wood-fired kiln roughly measures 18 feet long, 4½ feet tall and 5½ feet at its widest point, with 200 cubic feet of firing space. The 4-foot by 3-foot by 3-foot firebox consumes four cords of wood in a single firing.

"The value of the kiln, if you contracted to have one built, would probably cost about \$30,000," says Bede Clarke, assistant professor of art. Helping to offset the hefty price tag were AP Green Refractories of Mexico, Mo., which donated most of the firebrick; the Student Capital Improvement Fund; MUCK, the student clay club; and a corps of volunteers.

Art departments, like athletic departments, are measured by their facilities, Clarke says. "This is a positive step for the reputation, recruitment and the profile of the art department." The kiln, he says, easily will last 30 years.

A tremendous amount of work went

into this project, which took three years to plan and six months to build. Clarke, along with students, faculty and local experts, studied dozens of kilns before choosing a specific plan. After considering the site, materials on hand and deciding the type of desired effects wanted on the finished ware, the group went to work last summer building the kiln behind the Marx Building on Carrie Francke Drive.

The kiln — the largest of its kind in Missouri — is called an anagama, a Japanese term for tunnel. Original kilns of this kind, dating back to the Han dynasty in China, were actually tunnel cave-like holes dug in a hillside. As technology progressed, clay brick and other materials were used. Still traditionally, these kilns are built partially in the ground for insulation. Clarke says. "Ours is not. We were going to do that but we ran into bedrock, so we had to build it on concrete block. We adapted our design to the situation we had, and out of that came a kiln that functions well and serves our purposes well."

A wood-fired kiln produces a visually different effect on pottery than gas or electric kilns, which give predictable, precision-like surfaces that require

additional glazes or other finishes. Pottery fired by wood, on the other hand, is finished when taken from the kiln, because as the burning wood travels on the flame through the kiln, through and over the pottery, it deposits wood ash on the ware, forming a natural ash glaze. The tones tend to be earth tones, and the surface effects are random, including speckling, crystallization and texture.

"There is a great deal of variation because of the different types of wood used and how it is stoked, the nature of the clay used and how the kiln is loaded," Clarke says. The finished aesthetic expression, he says, is associated with Japanese tea ware. "It's natural, unpretentious, rustic; a beauty directly the opposite of what the Greeks unrobed. The flames, wood ash, and clays and glazes produce the surface."

Aside from producing different finishes on stoneware, the kiln creates a cooperative spirit among the volunteers. "As opposed to other types of kilns, this one requires a lot of people to operate, from the cutting, splitting and loading of the wood to the loading of the pottery and tending to the fire," Clarke says. "There is a great deal of cooperation, and by working in ceramics this way, we learn to

rely on each other." Typically, between 30 and 40 volunteers help with a firing.

The anagama's inaugural firing took place in January, and Clarke says they were happy with the results. Volunteers, working in shifts, cut, split, organized and prepared the wood. The pottery made of clay able to withstand the stress and temperatures of at least 2,500 F was carefully loaded on refractory shelves so that pieces would not touch each other. This effort took eight hours to complete. Stacking is important, as it is a way of choreographing the movement of flame through the kiln to produce more ash deposit on some areas and less on others.

Team members kept the fire going day and night for 48 hours solid, using a pyrometer and heat-detecting cones to help gauge temperatures. When the kiln reached 2,000 F, volunteers held that temperature for several hours as important work was being done inside the kiln and surface development was taking place, Clarke says. "That's a time when the glazes, the clay and wood ash are all interacting." As the gauges registered 2,600 F, the kiln was closed up tight and allowed to cool for four days before removing the finished pieces.

On April 3, the group repeated the process, this time with 250 pieces of stoneware produced by beginning through graduate level ceramics students, and work from the Crafts Studio, local potters and visiting artists from the universities of Southern Illinois-Edwardsville and the Nebraska. The finished pieces will be unloaded this afternoon, some of which will be exhibited by the clay club beginning April 13 at the Crafts Studio Gallery in Brady Commons. From this and a subsequent firing, 50 pieces will be shown by Clarke in September at the Taipei (Taiwan) County Cultural Center.

"This kiln puts Mizzou on the map," says Pete Pinnell, professor of art at Nebraska. "Anagama work is free, gestural and soft, with a rough, crude peasant look. It has a beautiful effect, and there's no other way to get it than in a monster like this."

## VOCAL SUPPORT

When the University Singers took the stage April 4 in Columbia's First Baptist Church, their concert was a local preview of the repertoire scheduled for their spring tour of England and France. Both the audience and members of MU's venerable touring and concert group heard a few sweet notes from a familiar source.

They learned that the University Singers has received a \$180,000 endowment from the Thomas Mills Foundation, honoring the deceased professor who directed the group for 25 years from 1952 to 1977.

Mills died in October 1995.

"It is impossible today to

calculate the full influence of Tom Mills on vocal music at MU," said Larry Clark, dean of arts and science. "We are delighted that the University Singers Thomas Mills Endowment will perpetuate his name among the students he loved so much for generations into the future." Clark said the gift will be used for scholarships to attract top vocal students to the group and to defray the cost of travel expenses to competitions and exhibits.

## EARLY WARNING SYSTEM

This warning went out at the end of February to more than 850 students enrolled in 20 different undergraduate courses at Mizzou: "You're making a C- or less in this course."

The messages were part of a pilot program launched this semester by MU's Council on Advisement. Faculty volunteers from five different colleges agreed to issue the warning to students in their classes. A total of 572 freshmen and 294 sophomores received the early alerts.

The program is based on studies that show the more

feedback and early intervention students receive, the more successful they are in a course, says Rose Porter, associate dean and associate professor of nursing. "We hope that when students get these early alerts, they will contact their professors and advisers and get the help they need to be successful in their courses."

The voluntary early alert system will continue during the fall 1998 semester. Faculty interested in participating may contact Porter at 882-0228, or by e-mail at nurseport@showme.missouri.edu

## SOMETHING FOR EVERYONE AT UNIVERSITY BOOKSTORE

The long months of construction are over, and the University Bookstore wants to say thanks to patrons for their patience. That "thank you" is coming in the form of a daylong celebration for the entire family from 8 a.m. to 8 p.m. April 14.

Highlights include a 20 percent discount on almost everything in the store, door prizes, free samples and giveaways, free film developing for the first 250 customers at the in-store photo lab, and a silent auction to benefit the Children's Miracle

# Bracing for the big dig

*Massive construction project bores through heart of campus.*

In the next few months, visitors to campus might think they've stumbled onto a scene of trench warfare. Straight across the heart of the historic White Campus and deep through the turf that covers Francis Quadrangle, construction workers will be carving 15-foot deep trenches to accommodate new water and utility lines.

The work kicks off in mid-April on the White Campus near Schweitzer Hall, where a steam line will be installed to form a loop with existing lines.

But that's just a prelude to the second — and most challenging — phase of the White Campus project. Between mid-May and mid-August, crews will be digging a 30-foot-wide by 15-foot-deep trench from Stewart Hall down through the main walkway all the way to the Memorial Union Tower. During this phase, the pedestrian area around Memorial Tower will be closed off.

Work on that phase should be completed by the beginning of the fall semester, and will then continue on to the

east to Schlundt Hall with work being completed in December. When it's finished, there will be a underground utility tunnel tall enough for workers to walk through, and new steam and water lines to serve the surrounding buildings.

"This will be major disruption to the White Campus," says John Neal, manager of construction management for Campus Facilities. But faculty, staff and students who use the adjacent buildings will see a payoff air conditioning and heating upgrades and improved water service, Neal adds. "It will make things more efficient and safer for everyone involved. We're working to minimize the effect these projects will have, but there will be problems we can't anticipate. We ask for everyone's patience and cooperation."

The campus community will find much the same scenario a few blocks to the west on Francis Quadrangle. Also beginning in mid-May, crews will start digging their way from near Elm Street on the Eighth Street Circle entrance up to Jesse Hall. The 15-foot-deep and 25-foot-wide trench

will hold storm and sanitary sewer lines and domestic and chilled-water lines for buildings on the Quad's east side.

The storm sewer will help relieve existing water problems in some of those buildings and the chilled-water lines will provide them with central air conditioning. Also this summer, crews will excavate and waterproof building foundations on the east side of the Quad to prevent flooding and water seepage.

The Quad project is expected to be completed by mid-September and waterproofing by January 1999.

To minimize inconvenience to pedestrians, work on both the White Campus and Quad projects will be done in phases. Neal points out that the majority of the sidewalks around the Quad will remain open. When main walkways need to be closed for a short time, signs will point the way to other routes for easy passage through the area.

Construction crews on the Quad project will be digging through history. Their trench will run through the site of Lake Saint Mary, a popular student hangout of the last century, and through the foundations of the old Academic Hall, which was destroyed by fire in 1892 leaving only the Columns as a reminder.

**C**ampus Facilities is working to minimize inconvenience as construction begins on the White Campus and on Francis Quadrangle. *Mizzou Weekly* will publish periodic updates on the construction projects. Building coordinators will be kept abreast of progress and notified when work may impact their building. Two upcoming presentations by Campus Facilities will highlight the projects.

•The first presentation, from 2:30-4 p.m. April 15 in Memorial Union Auditorium, will cover the White Campus project.

•A second presentation, from 2:30-4 p.m. April 30 in Neff Auditorium, will cover the Francis Quadrangle project.

A number of other campus construction projects will be going ahead in coming months.

•The Jesse Hall restoration work is expected to be completed in late July.

•Scaffolding will go up around the Columns for about two weeks as workers cap the top of each stone pillar to prevent water seepage.

•The Engineering Building will get a new roof and undergo extensive exterior work.

# One Day Only

## Silent Auction for Ty Princess™ Beanie Baby Bears

Six Ty Princess™ Beanie Baby Bears will be auctioned on April 14, 1998.

Proceeds benefit the Children's Miracle Network at Children's Hospital at University Hospital and Clinics. Bids must be made in person from 8 a.m. - 7 p.m. at University Bookstore in Brady Commons.

For more information, please call University Bookstore at 882-7614.

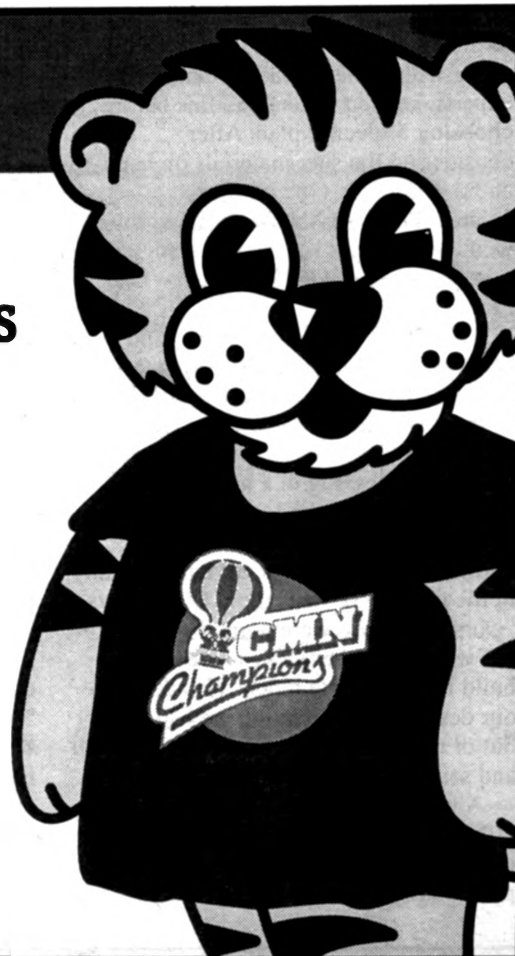


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# MIZZOU WEEKLY

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Network.

Afternoon author signings include Lou Jane Temple signing *Revenge of the Barbecue Queens*, *Death By Rhubarb* and *Stiff Risotto*, and Mary Crownover signing *Cheesecake Extraordinaire*. There will be music and a free food sampling from 11:30 a.m.-2 p.m. in front of the bookstore.

In the evening, meet author Iris Chang at 6 p.m. as she signs her *New York Times* bestseller *The Rape of Nanking*. For the kids, there will be free gifts and balloons, and Mother Goose and her puppet theater will entertain at 5:30, 6:30 and 7:30 p.m. Grand prize winners will be drawn at 8 p.m.

## OPEN FOR BUSINESS

Come and see the latest addition to the UM System's library resources. The UM Libraries Depository, located just off Lemone Boulevard in east Columbia, will celebrate its grand opening with an open house April 14 and 24.

The 15,000-square-foot, climate-controlled depository has a capacity of 1.5 million volumes. The goal is to free up shelf space in libraries around the UM System by transferring little-used books to the depository. When a volume is requested, the depository's high-tech tracking and retrieval system will get that book to the requesting campus in a day or two.

The celebration will feature tours of the new facility on the hour and half-hour from 8 a.m. to 5 p.m. April 14 and from 8 a.m. to 3 p.m. April 24. A dedication ceremony attended by University, state and community leaders will be held at 4 p.m. April 24.

## A QUESTION OF WELLNESS

How do university students decide — or not decide — about drinking, relationships and sex? That's the question that Richard Keeling will put to Mizzou students during a special presentation at 7 p.m. today in Townsend Auditorium. Keeling is director of University Health Services and professor of medicine at the University of Wisconsin-Madison.

In a presentation titled "Making it Count: Health, Community and Learning on Campus," Keeling will ask students to examine why they do what they do. He will take a look at campus culture and help

students find out how they can make a difference. The presentation, sponsored by Student Affairs and open to the public, is an effort to provide MU students with information on the important decisions they face.

Keeling is executive editor of the *Journal of American College Health*, and consults with institutions across the country concerning critical issues of health, health behaviors, self-esteem and community, especially in regard to adolescents and young adults.

# Resource Council is named

The first meeting of MU's new Resource Advisory Council was held April 1. Members of the broadly representative group were appointed by Chancellor Richard Wallace to advise him and senior administrators regarding the allocation of resources in support of MU's strategic plan.

The council includes representatives from the Strategic Planning Advisory Council, the campuswide group which developed Mizzou's strategic plan, as well as deans, department chairs, faculty, staff

and students.

The group's purpose is to make the budget process at MU open and inclusive, which includes broadly disseminating information, increasing participation within the campus community, and encouraging input.

Chancellor Wallace said he is looking to the group for advice on the allocation of resources in both operating and capital budgets. "One of the chief goals is to make careful budgeting a part of the strategic planning process in order to

avoid short-term budget challenges," Wallace said. "I want to be sure that we ask ourselves the right questions to ensure that we are spending our money efficiently and wisely and that we are able to tell that story to our constituents."

Members of the Resource Advisory Council are:

- Martha Alexander, director of MU Libraries
- Chris Benjamin, vice president of Missouri Students Association
- John David, associate professor and chair of biological sciences
- Brady Deaton, interim provost
- Tom Dougherty, professor of management
- Kee Groshong, vice chancellor for Administrative Services
- Hildegard Heymann, professor of food science and human nutrition and unit leader of food science and engineering
- Ed Hunvald, professor of law

- Marvin Lewis, professor of Romance Languages
  - Dean Mills, dean of journalism
  - Dan Voss, vice president of Graduate Professional Council
  - Rob Weagley, associate professor of consumer and family economics
  - Rick Wise, customer services manager for Printing Services
  - Gilbert Youmans, professor of English
  - Jeff Zeilenga, director of Student Auxiliary Services
  - Toni Sullivan, dean of nursing
- Resource Advisory Council support staff are:
- Jim Bunton, associate director of Business Services
  - Vicki Dennison, Chancellor's Office manager
  - Pat Morton, chief planning and budget officer
  - Gary Zwonitzer, academic budget resource officer

## Important Meetings

### Major Construction on the White Campus & Francis Quadrangle

A presentation and question-and-answer session by Campus Facilities on construction on the White Campus and Francis Quadrangle this Spring and Summer.

#### White Campus Construction

April 15  
2:30 - 4 p.m.

Memorial Union South --  
Jesse Wrench Auditorium

#### The Quad Construction

April 30  
2:30 - 4 p.m.  
Neff Auditorium

Please Come!



## Tigers' traveling caravan

MU's Tiger Caravan is coming to towns across Missouri this spring to share the latest academic and athletic news from the state's land-grant university.

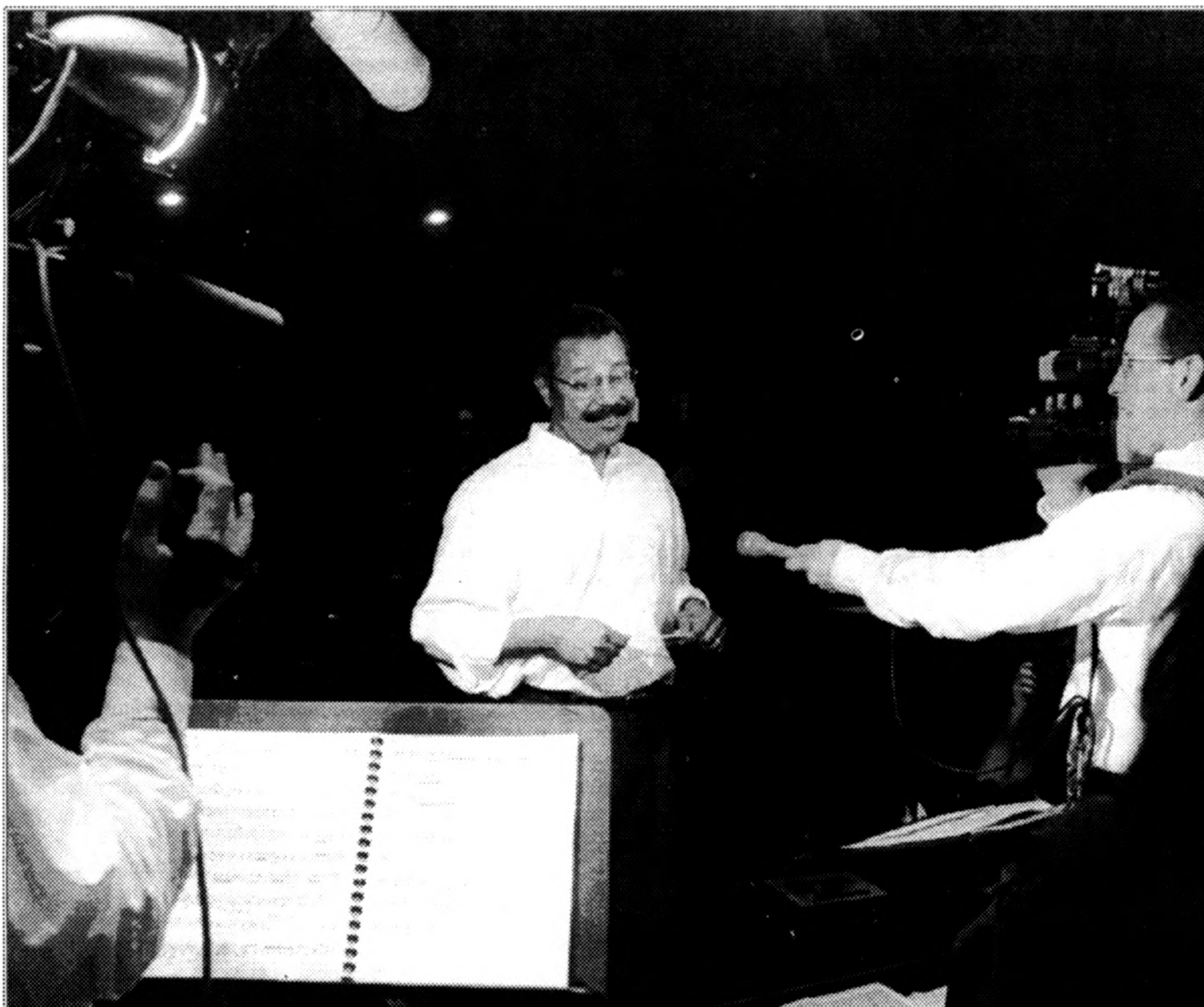
Chancellor Richard Wallace will lead a University delegation that will include Athletic Director Joe Castiglione, Head Football Coach Larry Smith and representatives from Intercollegiate Athletics, the Office of Admissions and the Alumni Association to seven cities during the months of April, May and June.

"The University has a land-grant mission to provide service to the state, and the Tiger Caravan is one way to let citizens across Missouri get firsthand information on how MU is serving their needs through teaching, research and service," Wallace said. "I look forward to getting out in the communities to let alumni, parents, students, friends and Tiger fans know about MU and to listen to their thoughts and ideas on how we can continue to improve in our efforts."

Wallace and other MU representatives plan to visit area schools and organizations during the

day in most cities. Members of the University delegation will speak at an evening reception or dinner hosted by Mike Kelly, the voice of the Tigers. Wallace will report on the state of the University and its future. Castiglione will present MU's championship vision for intercollegiate athletics. Smith will discuss the highlights from last year's football season and his goals for this year's team. Also at the evening event, booths will provide information on admission to MU, football season tickets and the Tiger Scholarship Fund.

The Tiger Caravan schedule is: Kennett-April 28; Mendon-April 29; Jefferson City-May 4; Kirksville-May 11; St. Joseph-May 12; Joplin-May 13; Springfield-May 13; and Cape Girardeau-June 4. The times and locations for events in each city will be available closer to the date of the event. For more information, call Todd McCubbin at the MU Alumni Association at 1-800-372 MUAA or the Tiger Development Office at (573) 882-0704.



## Strike up the band

The horns fell silent Monday afternoon in Nathaniel Brickens' Trombone Choir class when Chancellor Richard Wallace arrived to surprise Brickens with a W.T. Kemper Fellowship for Teaching Excellence. Wallace was accompanied by Jim Schatz, Commerce Bank president and CEO for central Missouri, University administrators, and Brickens' family and friends. As a Kemper Fellow, Brickens, associate professor of music, will receive a \$10,000 award to recognize his outstanding teaching. Earlier that day, Wallace and Schatz awarded the first of 10 Kemper Fellowships to Jeffre Firman, associate professor of animal sciences. The remaining eight fellowships will be awarded to MU faculty members in similar surprise ceremonies this week. The Kemper Fellowships were created in 1991 with a \$500,000 gift from the William T. Kemper Foundation to honor 10 outstanding MU teachers each year for five consecutive years. In 1995, the Kemper Foundation extended the program into the year 2000 with another \$500,000 gift. Commerce Bank serves as the trustee for the foundation. Kemper, a 1926 MU graduate, was a well-known civic leader in Kansas City until his death in 1989.

Rob Hill photo

COME JOIN THE PARTY!

## Grand Re-Opening Celebration

TUESDAY, APRIL 14

All Day:

**20% store-wide discount** at University Bookstore. (\*some exclusions apply)

**Silent Auction** for six Princess™ Bear Ty® Beanie Baby collectibles (see separate ad in this issue for details)

**FREE film developing** coupons to the first 250 customers at our Mizzou Memories in-store Photo Lab. (1 roll per person, no APS film)

**Enjoy free samples & giveaways** (while supplies last). Samples include Clinique, Campus Trial Packs, music/video samplers, posters, Ivory soap and more!



Register to **win a \$1,900 Gateway computer system** or other grand prize such as a 20" color TV, Clinique or Tommy gift set, Hallmark Gift Set, movie video, computer game and much more.



**2 p.m. meet Mary Crowover** in the new General Books Dept. as she signs *Cheesecake Extraordinaire*.

Stop by and sample one of Mary's cheesecakes while it lasts!

Mid-Day:

**12:30 p.m. meet Lou Jane Temple** in the new General Books Dept. as she signs *Revenge of the Barbeque Queens*, *Death by Rhubarb* and *Stiff Risotto*.

Sample free BBQ provided by one of Columbia's favorite restaurants!

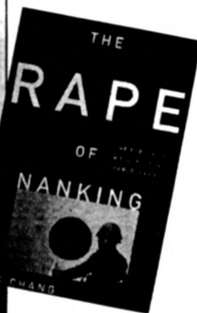
**20% off STORE WIDE DISCOUNT**

## Evening:

**6 p.m. meet Iris Chang** as she signs *The Rape of Nanking*, currently on the New York Times Bestseller list.



New York Times  
BESTSELLER



**Enjoy entertainment and complimentary refreshments** as you take advantage of the 20% merchandise discount.

**For the Kids:** Bring the children to see Mother Goose & her Puppet Theater with shows at 5:30, 6:30 & 7:30 p.m.

Also between 5:30 and 7:30 p.m. be on the lookout for Truman the Tiger, and Scout, a Berenstain Bear, as they visit with the children.

Don't forget to get your child their **complimentary Tiger Reading Club membership** and to register them for our children's grand prizes.

Your children will love the evening program and **every child will leave with a free gift and balloon.**

LIMITED FREE PARKING 4-8 PM IN VISITOR'S LOT AT HITT & ROLLINS

**University Bookstore**  
In Brady Commons 882-7611

Official bookstore of Mizzou where all profits go toward MU student services, facilities and programming.

FOR A COMPLETE LISTING OF EVENTS REFER TO OUR WEB SITE AT [www.ustores.missouri.edu](http://www.ustores.missouri.edu)



# The MU Graduate Student Support Policy

The Graduate Student Support Policy was designed to promote the recruitment and retention of high quality graduate students and to enhance graduate programs. The policy described below will go into effect at the beginning of the summer 1998 session.

Fee waiver eligibility is limited to three years for master's students and five years for doctoral students. The waiver applies only to courses included in the student's official program of study.

A student may qualify for a waiver of fees through the Graduate Student Support Program when the requirements listed below are met:

## Graduate teaching/research assistants:

- A graduate student must hold at least a quarter-time assistantship awarded by the academic home of the student or another degree-granting program and
- The assistantship must be in a qualifying job title, as defined by the Graduate Faculty Senate and
- Continuing students must maintain "good academic standing" as determined by the academic home of the student, or

• New students must have been admitted based on admission criteria developed by the academic degree-granting home of the student, and approved by the Graduate School and the Graduate Faculty Senate

## Fellowship Recipients:

- A graduate student must hold a University fellowship, administered either by the academic home of the student or the Graduate School and
  - The fellowship must be in an amount equal to that established yearly by the Graduate School for quarter-time assistantships and
  - Continuing students must maintain "good academic standing" as determined by the academic home of the student, or
  - New students must have been admitted based on admission criteria developed by the academic degree-granting home of the student, and approved by the Graduate School and the Graduate Faculty Senate.
- Determination of eligibility for assistantships that qualify for waivers of educational fees:** Degree-granting department/programs are responsible for

developing the criteria that determine whether their graduate students will receive, in any given year, an assistantship in a category that qualifies for a fee waiver. These policies must be approved by the GFS, by the dean of the school or college and by the dean of the Graduate School.

Waivers of Missouri resident and non-resident educational fees will be provided for qualifying individuals from the Graduate Student Support Program except in cases where resident fees are paid from other sources, such as grants and contracts. Waivers of non-resident educational fees will be provided to qualifying students, based on the criteria described above, who are supported by funded research, training grants, or contracts.

If remission of educational fees is not specifically prohibited according to the guidelines of a funding source, it is required that in-state educational fees be included in the budgets of all proposals that include graduate student stipends.

**Assistantships awarded by non-degree granting units:** In the case of

assistantships awarded by non-degree granting units that have an academic mission (such as the Campus Writing Program), it may be academically sound to offer remission of Missouri resident and nonresident educational fees as a fringe benefit.

The advisory committee to the dean of the Graduate School will recommend whether it is in the overall interest of MU to provide waivers of graduate educational fees to graduate assistants holding assignments of an academic nature in such units. These decisions will be made on an individual job category basis within the specific unit making the request.

If it is determined that it is appropriate to award waiver of educational fees to graduate students holding appointments in a particular job category in a non-degree granting unit, the actual award of the waiver will be made pending approval by the student's home department.

**Good academic standing:** The campus criteria for maintaining "good academic standing" for individual students, as described in the Graduate School Catalog, will be reviewed and updated by the Graduate Faculty Senate.

## Waiver

From Page 1

addition, the senate has been charged with defining which job titles will qualify graduate students for a fee waiver. The senate expects to have it in place by the end of the semester, says Cutter, associate professor of forestry.

The Graduate Faculty Senate is responsible for developing policy regarding admissions requirements of degree-granting graduate programs, and the Graduate school will implement those policies.

Do the policy changes address concerns faculty have raised in recent years about MU's graduate support program? "Yes, unequivocally," Cutter says. "These are important changes from what we had last year."

Many of those earlier faculty concerns were raised when the policy on fee waivers for graduate students was changed in 1996. Before that, any graduate student who received a scholarship of at least \$250 was eligible for a fee waiver. By comparison, in the fall of 1998 the value of a quarter-time assistantship will be approximately \$1,985 per semester.

When the graduate support policy was changed two years ago, individual graduate programs were allowed to decide whether or not a graduate student should receive a fee waiver. Administrators cited several major goals when that policy was changed. As more and more graduate students were qualifying for the fee waiver, one goal was to institute more budgetary control over the program. Another goal was to provide graduate programs with the flexibility to tailor incentive packages so they could recruit the very best students, rather than to parcel out the funding across the board.

Sampson says the latest policy initiative begins to address those goals of

flexibility and accountability.

"Departments make the determination themselves of what criteria will be used for awarding an assistantship that will be supported with a waiver. The Graduate Faculty Senate has indicated that they support that approach," he says. "Programs can be concerned with getting the very best students that they can to come here and study."

"We will know how much money we have to deal with each year, and there are criteria for making the awards. One of the biggest changes is that we will support only those courses that are part of the student's program of study. In the past, that was not the case."

Also included in the policy is a time limit of three years of support for a master's student and five years for doctoral students. "That should reduce the time to complete a degree," Sampson says. "Now the student knows that there is a finite period in which he or she can receive support, as opposed to being open-ended. It allows us the opportunity to be good stewards of our resources."

Sampson acknowledges that for some doctoral programs the time to degree exceeds five years, especially those programs that admit students with a bachelor's degree. "We will work diligently with those programs and those students in instances where the student is progressing satisfactorily, but requires support beyond five years," he says.

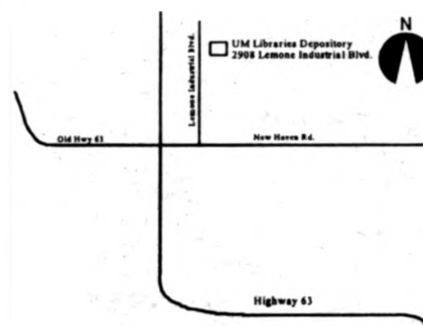
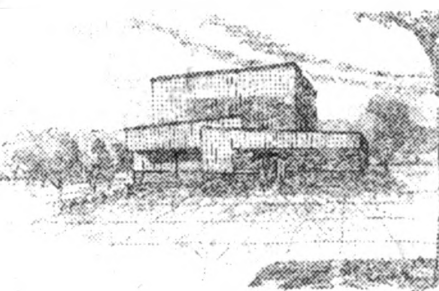
Sampson stresses that the new policy will not decrease the level of funding available for graduate education at MU. "We're not reducing the amount of funding. What we're doing is ensuring that those funds which are expended go to support graduate education," he says.

"This is not a panacea, because we still need more stipends, more scholarships, more research dollars to support graduate students. That isn't going to happen overnight, but we're certainly headed in that direction."

You are cordially invited to a special open house of the

## UM Libraries Depository

Tuesday, April 14 & Friday, April 24



Please attend the open house and  
tours of our new facility at:  
2908 Lemone Industrial Blvd.  
(parking available)

Tours of the facility will commence on the hour and half hour from 8 a.m. through 5 p.m., Tues., April 14. On April 24, tours will be held 8 a.m. through 3 p.m. on the hour and half hour, with a special dedication ceremony including University and community dignitaries taking place at 4 p.m.

The directors and staff of the University of Missouri Libraries and Interim Vice President for Academic Affairs, Steve Lehmkuhle, proudly invite you to attend an open house to celebrate the opening of the newest high density library storage facility in the country. Modeled after the Harvard University Libraries' similar facility, the UM Libraries Depository is a high density storage facility housing materials from the libraries of the four campuses of the University of Missouri.



# CALENDAR

Send calendar items by Campus Mail to  
 Mizzou Weekly Calendar, 407 Reynolds Center,  
 by noon Thursday the week before publication.  
 Events are free and open to the public unless otherwise noted.

## Concerts & Plays

### Friday, April 10

**STUDENT RECITAL:** Terry Lester will perform at 8:30 p.m. in Whitmore Recital Hall in the Fine Arts Building.

### Saturday, April 11

**STUDENT RECITALS:** The Horn and Trumpet Recital is at 7 p.m. and Lisa Collins will perform a trumpet recital at 8:30 p.m. in Whitmore Recital Hall in the Fine Arts Building.

### Monday, April 13

**STUDENT RECITAL:** Concert Band and Jazz II will perform at 8 p.m. at Missouri Theatre. Cost: \$5, free for students and senior citizens.

**GUEST RECITAL:** Cellist Antonio del Claro and pianist Daniel Schene will perform at 8 p.m. in Whitmore Recital Hall in the Fine Arts Building.

### Tuesday, April 14

**STUDENT RECITALS:** Michelle Motz will perform a clarinet recital at 7 p.m. in Whitmore Recital Hall in the Fine Arts Building. University Band and Jazz II will perform at 8 p.m. at Missouri Theatre; cost: \$5, free for students and senior citizens.

### Wednesday, April 15

**STUDENT RECITALS:** The Percussion Ensemble will perform at 6 p.m. at Missouri Theatre. The Symphonic Wind Ensemble performs at 8 p.m. at Missouri Theatre; cost: \$5, free for students and senior citizens.

### Thursday, April 16

**STUDENT RECITAL:** The Jazz Ensemble and Symphonic Band will perform at 8 p.m. at Missouri Theatre. Cost: \$5, free for students and senior citizens.

**THEATER SERIES:** The Department of Theatre will present *The Haunted* through April 18 and April 23-26 at Rhynsburger Theatre. For times and ticket information, call 882-PLAY.

### Friday, April 17

**STUDENT RECITALS:** Matt Fredrickson will perform a graduate trombone recital at 5:30 p.m. and the Buder Woodwind Quintet will perform at 7 p.m. in Whitmore Recital Hall in the Fine Arts Building.

**CHORAL UNION CONCERT:** The University Coral Union will perform Rossini's *Petite messe solenne* at 8 p.m. in Jesse Auditorium. For ticket information, call 882-3875.

## Conferences

### Thursday and Friday, April 9 & 10

**FREEDOM OF INFORMATION CONFERENCE:** The two-day conference "Secrets, Lies & Freedom of Information" will celebrate the 40th anniversary of the Freedom of Information Center at MU. Terry Anderson, the former associated press reporter who was held captive in Lebanon for seven years, will give the keynote speech at 7:15 p.m. April 9 in Middlebush Auditorium. Individual conference events are listed in the "Lectures" section of this week's calendar.

### Thursday, April 16

**PBS ADULT LEARNING TELECONFERENCE:** Join a panel of experienced faculty as they present their best practices in using the WWW to support higher education from 3-4:30 p.m. in Ketchum Auditorium in Engineering Building East. Call 882-0645 to register.

### Friday, April 17

**OFFICE/CLINIC NURSE CONFERENCE:** The conference, which enhances the skills of office/clinic nurses by providing information that will be applicable on a daily basis, will be held at the Ramada Inn. For registration and cost information, call 882-0215.

## Courses

### Thursday, April 9

**MUSEUM WORKSHOP:** "Looking for Clues in Ancient Pottery," a workshop for children ages 8-12 and the young at heart will take place at 6:30 p.m. in the museum galleries in Pickard Hall.

### Monday, April 13

**CONTINUOUS QUALITY IMPROVEMENT:** "CQI Teamwork" will be presented from 8 a.m.-4 p.m. in N208 Memorial Union. Call 882-2603 to register.

### Tuesday, April 14

**CONTINUOUS QUALITY IMPROVEMENT:** "CQI Teamwork" will be presented from 8 a.m.-4 p.m. in N208 Memorial Union. Call 882-2603 to register.

**WOMEN'S CENTER WORKSHOP:** MSA Craft Studio staff will present "Make Your Own Clay Mugs and Bowls" at 4 p.m. in 229 Brady Commons. Cost: \$2. Call 882-6621 to register.

### Wednesday, April 15

**NEW EMPLOYEE ORIENTATION:** Session is open to all new benefits-eligible employees from 1:30-5 p.m. in S203 Memorial Union.

## Exhibits

**MUSEUM OF ANTHROPOLOGY:** The museum's exhibits focus on Native American cultures and the history and prehistory of Missouri. The museum, located at 100 Swallow Hall, is open 9 a.m.-4 p.m. Monday through Friday.

### MUSEUM OF ART AND ARCHAEOLOGY:

Special Exhibits:  
 • "India's Artistry: The Unseen Revealed" will be on display through May 10.  
 • "Greek and Roman Crafts" is on display through Oct. 4.  
 • "Seventeenth-Century European Prints and Drawings" is on display through June 21.

### Ongoing Exhibits:

- "The Saul and Gladys Weinberg Gallery of Ancient Art"
- "Early Christian and Byzantine Gallery"
- "European and American Gallery"
- "The Aesthetic Energy of the Twentieth Century"
- "Expressions of Africa"

The museum, located in Pickard Hall, is open from 9 a.m.-5 p.m. Tuesday-Friday, 6-9 p.m. Thursday and noon-5 p.m. Saturday and Sunday.

**BRADY GALLERY:** Works by Missouri University Clay Klub members will be on display April 13-23. The gallery, located in 203 Brady Commons, is open 10 a.m.-5 p.m. weekdays.

**ROGERS GALLERY:** "Elements of an Era: The Postmodern Art of Zandra Rhodes" on display through April 20 features clothing by the London designer that is compared with original clothing designs from the 1930s and 1940s. The gallery, located in 142 Stanley Hall, is open 8 a.m.-noon and 1-4 p.m. Monday-Friday.

**STATE HISTORICAL SOCIETY OF MISSOURI**  
 "Decades: 1898-1968, Editorial Cartoons" are on display in the east-west corridor. The corridors are open 8 a.m.-4:30 p.m. Monday-Friday and 9 a.m.-4:30 p.m. Saturday.

### UNIVERSITY ARCHIVES:

"The Torchbearers," an exhibit celebrating women's history, featuring Eleanor Rhynsburger and Martha Cheavens Schuck, is on display through April 30 in the Memorial Union's south wing exhibit case. The following online exhibits:  
 • "Memorial Union 75th Anniversary"  
 • "Getting Physical," an exhibit on women's athletics at MU  
 • "Mizzourah! Football at MU, the Early Years"  
 • "Dramatic Images," an exhibit of photos of MU theater productions from 1927-1951 are on display at

[www.missouri.edu/~archwww/news&ex.html](http://www.missouri.edu/~archwww/news&ex.html)

**HULSTON HALL LAW LIBRARY:** "Legal Research: Just Do It!" is on display through April 10 at the library, which is located in Hulston Hall.

### GEORGE CALEB BINGHAM GALLERY

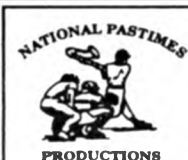
• "Last Call," the Graduating Seniors Exhibition, which includes works by BA and BFA students graduating in 1997 and 1998, is on display through April 10.  
 • The MFA Exhibitions, which includes works from graduating MFA candidates, will be on display from April 13-May 8.  
 The gallery, which is located in the Fine Arts Building, is open 10 a.m.-4 p.m. Monday-Friday.

## Lectures

### Thursday, April 9

**FREEDOM OF INFORMATION EVENTS:**  
 The two-day Freedom of Information Center conference kicks off today at 11 a.m. with an international Internet discussion "Predators at the Gates? Keeping the Global News Business Honest" at [www.missouri.edu/~jwebconf](http://www.missouri.edu/~jwebconf)

A panel of MU School of Journalism graduates will discuss "Job Opportunities and Working with the Freedom of Information Act" at 12:30 p.m. in Tucker Forum in Gannett Hall. Mike McGraw, Pulitzer Prize-winning reporter for the *Kansas City Star*, will present "How to Use the FOIA to Write Investigative Journalism (and Possibly Win the Pulitzer)" at 2:15 p.m. in Tucker Forum in Gannett Hall. Terry Anderson, the former associated press reporter who was held captive in Lebanon



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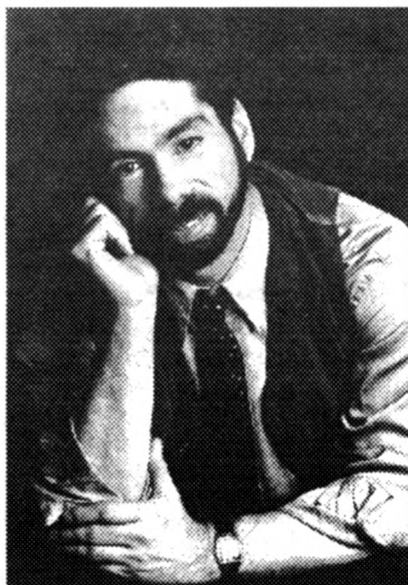
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**Tonight!**

Meet

**Krin Gabbard**

Author, "Jammin' at the Margins"  
 (Univ. of Chicago Press)

Former Member Stephens College Faculty  
 Chair, Comparative Lit., SUNY-Stony Brook

Film-Lecture:

**"Images of Jazz in  
 American Cinema"**

Thurs., April 9, 7 p.m.

Daniel Boone Regional Library (Free)

**Jazz Series Extra... Saturday!**

Grammy Nominee • 10-Piece Ensemble

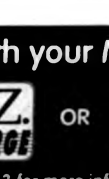
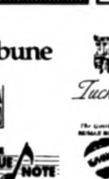
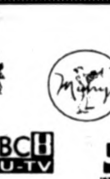
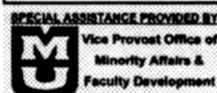
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for seven years, will give the keynote speech at 7:15 p.m. April 9 in Middlebush Auditorium.

#### NUTRITION RESEARCH SEMINAR:

Susan Lutz, assistant professor of food science and human nutrition, will present "Factors Impact the Nutrition and Health of School-Age Children" at 3:15 p.m. in 209 Gwynn Hall.

#### HISTORY LECTURE:

The 1998 Fordyce W. Mitchel Lecture, presented by Susan Langdon, visiting assistant professor of art history and archaeology, is "Big Men, Little Women: Gender in the Societies of Dark Age Greece" at 4 p.m. in 103 Tate Hall.

#### ART HISTORY LECTURE:

W. Jackson Rushing III, associate professor of art history at UM-St. Louis, will present "Contingent Histories, Aesthetic Politics: Native Art in the Columbian Quincentenary" at 5 p.m. in 106 Pickard Hall.

#### BLACK STUDIES LECTURE:

Dorothy Roberts will discuss her book, *Killing the Black Body* at 7 p.m. in 323 Gentry Hall.

#### CANCER CONTROL LECTURE:

William Bartholome, a Kansas City physician and longtime smoker who was diagnosed with inoperable esophageal cancer three years ago, will discuss the ethical issues and aggressive medical treatments that can rob people of a dignified death. He will speak at 7 p.m. at Ellis Fischel Cancer Center.

#### Friday, April 10

##### ORGANIZATIONAL CHANGE

**SYMPOSIUM:** MU faculty members John Sweeney, Richard Johnson, Daniel Greening and Vairam Arunachalam will discuss their papers for the Center for the Study of Organizational Change from 9-11:30 a.m. in N214-215 Memorial Union.

##### FREEDOM OF INFORMATION PANEL:

A panel of journalists will answer questions on their experiences with the Freedom of Information Act and state access laws from 10-11:30 a.m. in Tucker Forum in Gannett Hall.

##### FORESTRY SEMINAR:

Forestry graduate student Cindy Becker will present "Vegetation Distribution Patterns in Relation to Environmental Characteristics of Upland

Waterways in the Southeast Missouri Ozarks" at 3 p.m. in 2-34 Agriculture Building.

#### CHEMISTRY COLLOQUIUM:

Bruce Koel from the University of Southern California will present "Atomic Level Control of Alloy Surface Chemistry" at 4 p.m. in 103 Schlundt Hall.

#### HISTORY LECTURE:

Alan S. Taylor, professor of history at the University of California-Davis who won a Pulitzer Prize for his book on the settlement of Cooperstown, N.Y., will present "Wastey Ways: Stories of Frontier Settlement" at 6:30 p.m. in Stotler Lounge in Memorial Union.

#### Monday, April 13

##### BIOLOGICAL SCIENCES SEMINAR:

Amy Csink from Carnegie Mellon University will present "The Influence of Nuclear Neighbors and Neighborhoods on Gene Expression" at 1 p.m. in 115 Tucker Hall.

##### SOIL SCIENCE SEMINAR:

Soil science graduate student Alan Bergfield will present "Soil Microorganisms and a Steady Diet of Pesticides" at 4 p.m. in 133 Mumford Hall.

#### Tuesday, April 14

##### PHARMACOLOGY SEMINAR:

Pharmacology graduate student Jeong Sook Kim-Han will present "Protective Role of Glutathione Peroxidase in Oxidative Stress-Mediated Cell Death" at noon in M558 Medical Science Building.

##### BIOLOGICAL SCIENCES SEMINAR:

Michal Polak of Syracuse University will present "Ectoparasites: Casual Agents of Micro-Evolution?" at 3:30 p.m. in 18 Tucker Hall.

##### UNIVERSITY FORUM:

Kala M. Stroup, Missouri Commissioner of Higher Education, will present "Positioning Missouri Higher Education for the New Millennium" at 4 p.m. in the Columns C Room in Reynolds Alumni Center.

#### Wednesday, April 15

##### MIDDAY GALLERY EVENT:

Robert Bussabarger, professor emeritus of art, will

present the film *The Sword and the Flute* at 12:15 p.m. in the Museum of Art and Archaeology.

#### WOMEN'S CENTER PROGRAM:

Representatives from the Gay/Lesbian/Bisexual Resource Center will present "Ellen: One Year Later" at 4 p.m. in 229 Brady Commons.

#### Thursday, April 16

##### INTERNATIONAL AFFAIRS SEMINAR:

Ralph Rowlett, professor of anthropology, will present "Luxembourg, Past and Present" at noon in S204 Memorial Union.

##### ECONOMICS SEMINAR:

Joseph Haslag from the Federal Reserve Bank in Dallas will present "Specialization and the Effects of Transactions Costs on Equilibrium Exchange" at 3:30 p.m. in 211 Middlebush Hall.

#### Friday, April 17

##### LUNCHTIME CONVERSATIONS ABOUT

##### WRITING:

Wale Oladiran, assistant professor of mechanical and aerospace engineering, will present "WWW Enhancement of Mechanical and Aerospace Engineering Senior Design Course" at noon in 325 General Classroom Building.

##### FORESTRY SEMINAR:

Forestry graduate student Neal Sullivan will present "Environmental Influences on CO2 Evolution from Mature Tree Woody Tissue: Implications for Methods of Measuring Respiration and for Internal Carbon Cycling" at 3 p.m. in 2-34 Agriculture Building.

##### CHEMISTRY COLLOQUIUM:

Mark Ratner from Northwestern University will present "Molecular Electronics, Molecular Wires and Electron Transfer" at 4 p.m. in 103 Schlundt Hall.

## Meetings

#### Thursday, April 9

**STAFF ADVISORY COUNCIL:** The group will meet at 1:15 p.m. in S206 Memorial Union.

#### Wednesday, April 15

**CAMPUS CONSTRUCTION MEETING:** A presentation on major construction on the White Campus will be followed by a question-and-answer session from 2:30-4 p.m. in Memorial Union Auditorium.

## Special Events

#### Thursday, April 9

##### GREEK WEEK BLOOD DRIVE:

The 1998 Greek Week Blood Drive is trying to break the world record for the largest single-site, single-day blood drive by collecting 3,300 units. Give the gift of life from 10 a.m.-10 p.m. at Hearn Center Fieldhouse.

#### Monday, April 13

**MIZZOU MONDAY:** Student recruitment open house will welcome prospective MU students and their parents at various locations across campus.

#### Tuesday, April 14

##### BOOKSTORE GRAND RE-OPENING:

Join University Bookstore in celebrating their grand re-opening from 8 a.m.-8 p.m. on the Main Level of Brady Commons.

##### THAI FAIR:

The Thai Student Association invites all to join in the celebration of the 52nd anniversary of King Bhumibol Adulyadej's accession to the throne and the traditional Thai New Year at 6 p.m. in N201-202 Memorial Union.

##### UNIVERSITY DINNER SERIES:

Experience an evening of fine dining where hotel and restaurant management students plan, prepare and serve a meal. For reservations, and with questions, call 884-1828.

#### Friday, April 17

**TAP DAY:** The 71st annual University recognition program celebrates initiatives into several campus honorary organizations. This day recognizes the exemplary performance of students in academic and co-curricular arenas. Tap Day will take place at 2 p.m. on Francis Quadrangle. Jesse Auditorium is the rain site.

# Keen on kenaf

*University expertise aids the development of ancient crop.*

Two sons from a fourth-generation Missouri farm family want to find new wrinkles for an ancient crop. Kenaf, a cousin to cotton and okra, was used in ancient Africa to wrap mummies. Throughout recorded history, its fiber has been used for textiles, rope, forage and food.

Boyd and Chris Vancil and their family run a 1,000-acre farm near Poplar Buff, Mo., producing rice, soybeans and milo. Their idea is to grow experimental plots of kenaf and identify markets such as mats, animal bedding, and oil absorption and paper products.

"The idea is for agricultural fibers to replace petrol or wood-based products," said Boyd Vancil. The Vancils want to start a pilot mill for processing small plots of kenaf. In getting their business off the ground, the Vancils are getting help from the University of Missouri Office of Value-Added Agriculture Outreach.

This is a new statewide network that helps producers recover more value from end products created from the state's raw commodities. The value-added office provides businesses planning, marketing,

economic and technical support. It acts as a point of contact for Missouri businesses to tap into university faculty expertise.

"Kenaf can be grown all over Missouri. Some plots have been successful in the St. Joseph area" said Harry Minor, MU extension crops testing specialist who will be conducting observation plots this spring for the second year as part of ongoing university fiber crop research.

Kenaf is cut in the field after about 120 days, and then the bast or long outer fiber is separated from the core fiber. A typical processing facility would employ 10 to 20 workers and handle kenaf from 1,000 to 2,000 acres a year, Boyd Vancil said.

"These facilities may be built with reasonable capital investments in rural farming communities," he said.

Little if any kenaf is being grown in Missouri. Vancil said he is meeting with potential processors and end users to determine commercial feasibility for the crop. "Many farmers will be able to grow kenaf in their normal crop rotation. Harvesting will be different because of cutting the stalks, but current farm equipment can be used," he said.

"With family farms exploring alternative crops and approaches to increase their income, the role of value-added non-food fiber crops may be a viable alternative," said Dennis Heldman, director of the value-added office. "If successful, such an activity would generate jobs and add value to Missouri-grown raw commodities."

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## Probing mysteries of Marfan

**E**arly diagnosis can save the lives of the one in 10,000 individuals who have Marfan syndrome, an inheritable disorder of connective tissue that affects the skeletal, skin, pulmonary, ocular and cardiovascular systems.

Others who exhibit symptoms of this fatal disorder lack the genetic mutations associated with it. Because of this, they are not diagnosed with Marfan syndrome, and the consequences can be deadly.

MU researcher Charlotte Phillips,

assistant professor of biochemistry and child health, is determined to track down the specific gene defects that lead to this Marfan syndrome-like connective tissue disorder. "Being able to genetically identify individuals prior to symptoms promises to help in treatment and the prevention of premature death," Phillips said.

In 90 percent of the Marfan syndrome patients, a structural protein, fibrillin, has been determined to be defective. However, there are

individuals who have symptoms similar to Marfan syndrome but their fibrillin appears normal. In these individuals, Phillips believes another protein, type I collagen, may be defective.

"Having Marfan syndrome is a big factor in many people's lives, because as with many disorders people regulate their lives and the way they live by their health requirements and consequences," Phillips said. "If Marfan syndrome is not diagnosed early enough, one-half to two-thirds of those affected will die by the age of 45, due to cardiovascular effects."

## Growth industry

**M**edicinal herbs could become profitable crops in Missouri, and a number of producers have already started raising burdock, ginseng, goldenseal and other "botanicals."

"There are some things happening with herb cultivation, particularly in central Missouri," said Debi Kelly, project manager of Missouri Alternatives Center, which is funded by University of Missouri Extension and Outreach. She said most medicinal herbs are either imported or wildcrafted, meaning they are gathered in the wild.

A New Jersey company, Quality Botanical Ingredients, has contracted with a select group of Missouri farmers to grow botanical crops, as much for research as for production. "There is little or no university research on botanicals, so the company is taking a loss to contract with farmers to learn how to grow these herbs commercially," Kelly said.

Missouri traditionally is a top state for wildcrafting, which indicates medicinal herbs thrive in the state's soils and climate. Cultivating botanical plants, however, is labor-intensive and management-intensive, Kelly said. "People will call me and say, 'I want to put in 10 acres of this or that.' I tell them it's not that easy."

Some of the special challenges include the uneven quality of seed and uncertainty of supply. Germination rates are maddeningly variable, and young plants are so tiny that weeds can easily take over. Few variety studies exist to show what grows best in different climates.

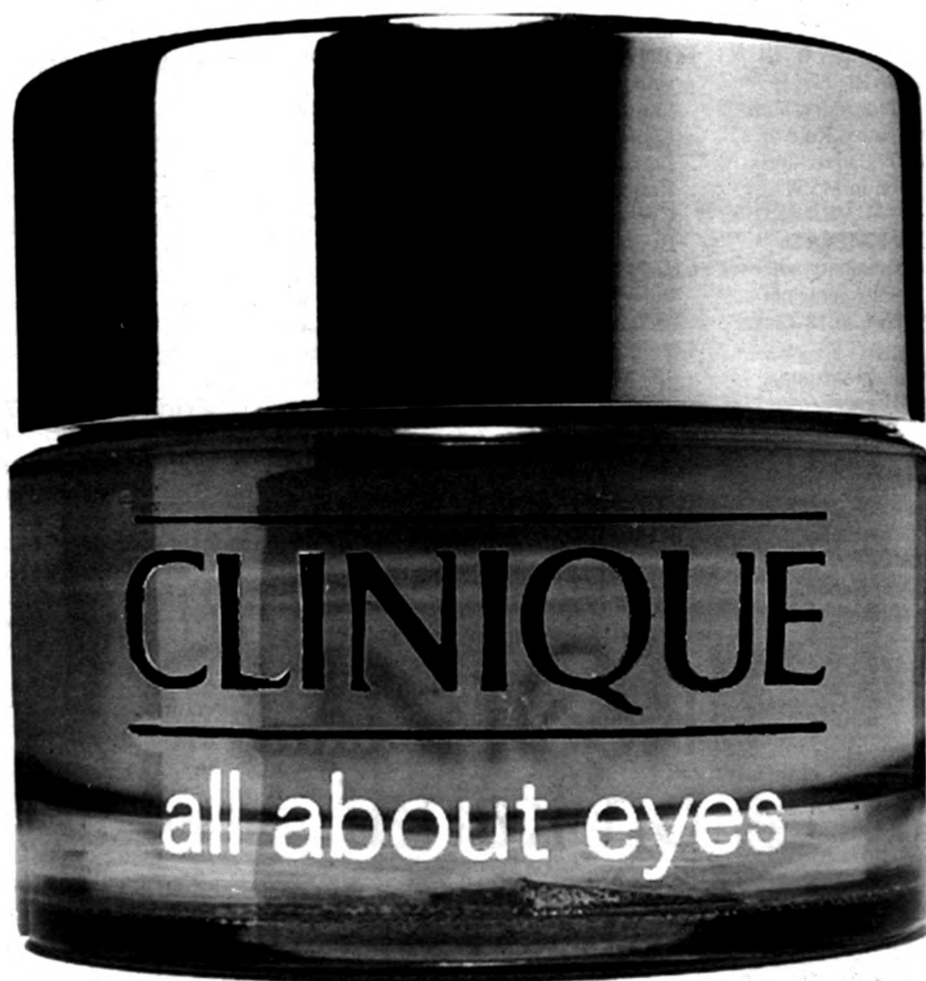
Vegetable growing is the closest thing to cultivating medicinal herbs, Kelly said, "but we know a lot about growing vegetables and next to nothing about growing herbs in a managed situation. That means you have to monitor every aspect, and that's even more work."

In addition, she said, "There's a lot of thievery with things like ginseng because it's easier to steal it than it is to wildcraft." Dried ginseng root, which sells for as much as \$40 per pound and up, is one of the most popular medicinal herbs. "I think people can cultivate it here," Kelly said, "but it can be expensive because of the shade cloth."

Ginseng's preference for shade, however, makes it a likely candidate for inter-cropping with trees, said Sandra Hodge, coordinator of technology transfer at the MU Center for Agroforestry. "We're encouraging landowners to consider using their forestland to grow an additional crop, if the site is suitable. Ginseng and goldenseal both like shade. And ginseng is more valuable if it's grown in a forested area."

For all the uncertainties that face producers, Kelly said, they can be confident that the market for such products will continue to expand. "They're preparing the groundwork for what's going to happen in the future."

But she said many farmers are still unused to the idea of growing crops such as ginseng, vervain, skullcap or even ragweed. "Can you imagine what people would say if you put in five acres of dandelions?"



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# Satellite series to showcase world of Russian research

For the first time ever, American researchers, scientists and private companies will have a chance to look into the world of Russian research, which has been closed to the Western world until this year, through an MU satellite series featuring 12 top Russian scientists.

"This research and the methods that were used in the former Soviet Union will help Western scientists and engineers to see and understand how Russians developed their technologies," says James Thompson, dean of engineering. "This will not only vastly improve our research through the collaboration, but also will allow us to take the Russian research one step further and help put it to commercial, non-military use."

The series is a result of a 25-year relationship between Thompson and the Russian researchers. Thompson was the first Westerner to be invited to Tomsk, the Russian closed "science city," and while at MU, Thompson initiated the collaboration with the former Soviet Union. The deal was finalized last year when Gennady Mesyats, senior vice president of the Russian Academy of Sciences, visited MU and signed a collaboration agreement while delivering a satellite address on the commercial

applications of pulsed power. More than 50 laboratories, universities and companies throughout the world received that address.

"Since much of the work by the former Soviet Union had defense implications, Russian science developed in isolation," said Dick Potter, director of engineering extension. "Often Russian researchers took different approaches and followed different paths than Western scientists. This series is designed to showcase research from some of the finest research institutes in Russia before it is lost."

The Russian research will be made available through a series of programs that will be broadcast via satellite from the MU campus. Currently, the program is set up for a series of 12 lectures by the most noted Russian scientists who will describe the commercial applications of the research and the ways in which the research was accomplished. The series will open April 15, 1998, and will go through 1999.

"It is very beneficial for us to showcase our research throughout the United States and the Western world," Mesyats said. "Not only will our U.S. colleagues be able to make use of our research, but this will allow us an opportunity to discuss differences in our

methods and develop better ways for all of us to work together in helping solve some of the problems we face today."

Validmir Fortov, acting minister of Science and Technologies and close adviser to Russian President Boris Yeltsin, will be the first speaker on April 15, and Zhores Alferov, director of the world's finest semiconductor labs, will follow with the second speech. They will discuss intense shock waves, semiconductors and optical media.

Other research topics featured in the series will include:

- High performance alloys - Russian research on aluminum and titanium alloys is leading to building better lightweight, but extremely strong, metal for aircraft and better golf clubs.

- High performance composites - formerly used in defense-related research, such research, once used for making missile bodies, was classified until recently and American scientists will be the first to see it.

- Material forming technologies - Russian researchers have refined certain material forming technologies - technologies used to create materials such as sheet metal - that result in stronger materials and are much cheaper than other methods.

## FOR THE RECORD

Using technology in the classroom to develop your teaching and enhance student learning is the core of the upcoming summer institutes sponsored by MU's Institute for Instructional Technology.

The first institute, "Bits and Bytes" has daylong sessions from May 11-15, and is for faculty just starting to explore the use of technology in the classroom. "Virtual Footsteps" is the second institute, which meets May 19-29, and is for faculty to advance their current use of instructional technology. Institute participants are selected from across campus. Deadline for applications is April 10, and must include a dean's or department chair's letter of support.

Applications are available at the Program for Excellence in Teaching at the Conley House, or by calling 882-0645. Applications also are available online at <http://www.missouri.edu/~institut/htm/summerapp.html>

**Faculty and staff are invited to participate** in MU's Student Day of Caring, in which the University community volunteers its assistance to improve the welfare of the elderly, low-income families, at-risk children and disabled people. The Day of Caring is scheduled for April 25, beginning at 8:30 a.m. when volunteers meet at Rothwell Gymnasium for breakfast and project assignments. For more information, call the Columbia Area United Way at 443-4523.



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## NSF CAREER grant supports unique local outreach program

**G**irl Scouts, M & M's and dendritic polymers is a partnership that may sound odd, but they are all part of a \$275,000 National Science Foundation CAREER grant awarded to Sheryl Tucker, assistant professor of chemistry. Tucker will use the two-part grant to teach area Girl Scouts about science and begin her research of dendritic polymers.

"The CAREER grant from the NSF allows faculty members to establish themselves in the community both as educators and researchers," said Tucker. "It is a unique outreach program that combines community education with actual research, which is the only part that is funded by the grant."

Tucker plans to bring more than 200 Junior Girl Scouts, from grades four to six, to the MU campus this fall and help them earn badges by leading them through various science experiments. One experiment involves testing

different colored M & M's to see which ones contain F, D and C approved yellow No. 5, a dye that causes an allergic reaction in some people.

"We are absolutely thrilled about this partnership between MU and the Girl Scouts," said Maryanne Danforth, executive director of the Heart of Missouri Girl Scout Council. "It will enable the girls to use the campus facilities and equipment in a safe academic setting. More importantly, it will let them see professional women who work with science and allow them to be successful with a science program."

As part of the community education requirements of the CAREER grant, Tucker will teach college students about resumes, proposals, slide presentations and job interviews. Members of the MU Alpha Chi Sigma Professional Chemistry Fraternity and the Chemistry

Graduate Student Association have volunteered to help work with the program.

In exchange for Tucker's contribution to the University and community, she will be able to apply the four-year \$275,000 grant toward her research of dendritic polymers. These polymers, developed about 10 years ago, are near perfect structures that could be used to improve electronic and optical devices, agricultural chemicals, cosmetics and pharmaceuticals.

"For a drug to work in the body, it must get to the proper site before it breaks down," said Tucker. "Other researchers propose that pharmaceutical carriers made with dendritic polymers could be a way to accomplish this." However, Tucker said scientists do not fully understand how the polymer's unique structure affects its chemical and physical properties. With her research, Tucker would like to change that.

"Understanding the characteristics of the polymer will allow us to make educated decisions on how to use them," she said. "Until then, scientists will use an expensive hit-or-miss approach to determine the appropriate uses for these polymers."

## MU online offerings expanded

**A**s it grows in popularity and accessibility, many people are using the World Wide Web for recreational purposes such as email, chat rooms and shopping. Now, MU is encouraging and making it easier for Missourians and students across the nation to use the World Wide Web for educational purposes.

All over campus, departments and schools are beginning to offer courses completely online. Enrolled students can access all course materials, including instructions, lessons and progress evaluations; and all interaction takes place online.

The convenience of Internet courses is one of the obvious advantages. Distance learners and traditional students can enroll in the online courses and access class information at their convenience.

"Web courses build on the strength of the traditional independent study format. But the Internet provides a much quicker turnaround for the submission of student assignments and faculty responses," said Von Pittman, director of the MU Center for Independent Study. "Perhaps even more importantly, we can now provide students with immediate access to a vast array of resource materials."

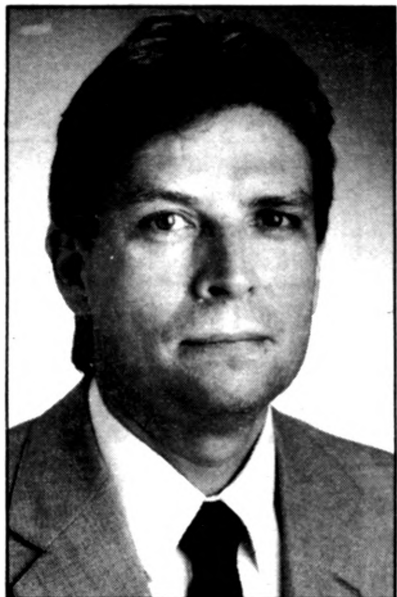
The Center for Independent Study offers three university-level courses of this nature: Introduction to Special Education, History of Missouri and Introduction to Political Science. Enrolling in these classes does not require the student to ever come to campus, making these courses available to students around the University and across the nation. The center implemented these three courses this year and is developing more.

"Between the conversion of existing courses to the web format and the creation of entirely new courses, we expect to have 15 offerings online by the end of this academic year. Then we expect to add another 24 by the summer of 1999," Pittman said.

Another advantage of online courses is the access they provide to an increased number of resources. The Sinclair School of Nursing, in a cooperative effort with the schools of nursing at UM-St. Louis and UM-Kansas City, is developing three Internet master's courses to be offered starting fall semester 1998 that will give students access to the expertise of faculty on all three campuses.

"The Sinclair School of Nursing is committed to providing education to nurses in rural Missouri," said Roxanne McDaniel, associate professor of nursing involved in the Internet classes. "The use of Internet courses will allow students more flexibility in scheduling courses for their master's. It will allow them to remain in their communities, maintaining job and family responsibilities."

The schools of nursing at MU, UMSL and UMKC are planning on adding three more Internet courses for the winter semester 1999. Online courses also are available through MU's College of Engineering, School of Information Science and Learning Technologies and University Extension.



Spend an evening with  
**William G. Bartholome,**  
MD, MTS,  
University of Kansas  
Medical Center

- Professor of Pediatrics
- Professor of Medical Ethics
- Hospice Spokesperson
- Masters in Theology

## *Living in the Light of Death*

7 p.m. to 8:30 p.m.

Thursday, April 9

Ellis Fischel Cancer Center Lobby

This free presentation is open to the public.

A longtime smoker, William Bartholome, MD, was diagnosed with untreatable esophageal cancer at age 53 and told he had only two months to live. Today, Dr. Bartholome is celebrating his third year of survival.

You're invited to hear Dr. Bartholome share how the prospect of his death forced him to learn how to live. In a presentation laced with warmth and wit, his inspirational talk will touch on what it means to outlive his prognosis.

As a nationally acclaimed pediatrician and medical ethicist, he also will share his experiences from his perspective as a physician. He will discuss the complicated issues of medical ethics and aggressive treatments that can rob people of peace and a dignified death.

Dr. Bartholome is a professor of both Medical Ethics and the History and Philosophy of Medicine at the University of Kansas Medical Center. He is a past board member of the Midwest Bioethics Center in Kansas City and a past founding member of the Committee on Bioethics of the American Academy of Pediatrics.

Call (573) 882-8804 for more information.

Visit us on the World Wide Web at  
[muhealth.org](http://muhealth.org)



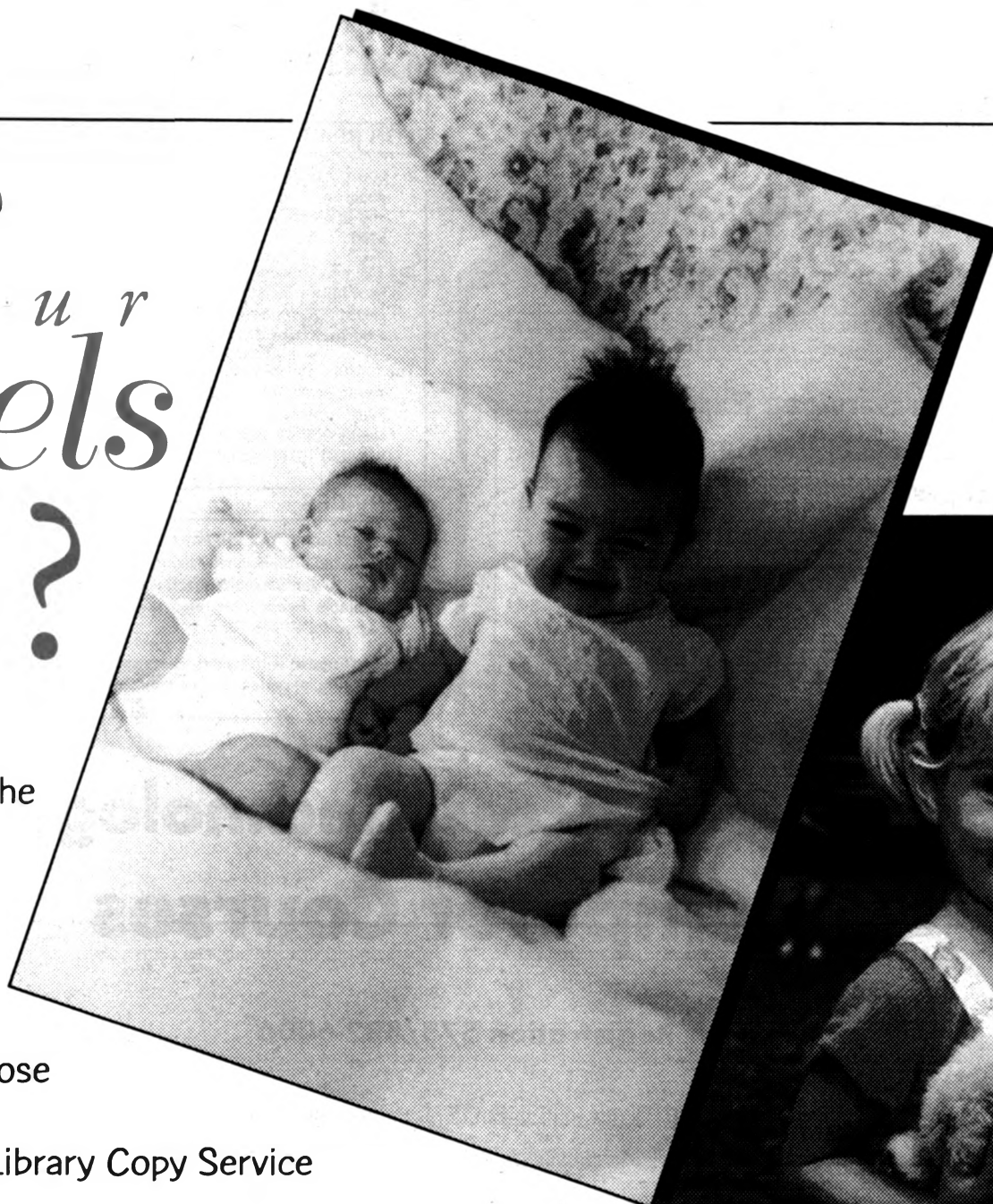
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If you have questions please feel free to call our  
office at 882-4568.

## Classifieds

books, proposals, dissertations, articles, major papers or presentations. (573) 446-0959 during normal office hours.

### MISCELLANEOUS

Men's Empowerment Group. Patrick Kane, DCSW, 449-0120. Hrtlndmens@aol.com

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The following weeks are available for rent in condo in Winter Park, CO for 1998. Aug. 7-14, 3 bdrm. sleeps 8, \$780; Aug. 14-21, 3 bdrm. sleeps 8, \$780; Dec. 25- Jan. 1, 2 bdrm. sleeps 6, \$1260. (573) 442-6783.

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# Information and Access Technology Services Computer Courses

Registration 573/882-6006

The following non-credit courses are free of charge and open to MU faculty, staff and students unless otherwise noted. Registration is required and is done on a first-come, first-served basis. Registrants should remember to phone 882-4568 the day prior to class in order to obtain permission to park in lot RC20.

For the complete Course Schedule including class times, see the following URL: <http://www.missouri.edu/~cctrain/cccalendar.html>

For a complete listing of Course Descriptions, see the following URL: <http://www.missouri.edu/~cctrain/course.html>



SAS Parts 1-3, 2pm - 5pm, April 20, 22, and 24

*Courses that are marked "filled" may have open sections at a later date.  
Please check our course calendar at the URL above for availability.*

## APRIL

NOTE: Focus on Faculty and Focus on Staff Courses are shaded. Evening classes are marked with an asterisk (\*).

Monday	Tuesday	Wednesday	Thursday	Friday
<b>13</b> SAS part 1: 9am - Noon <b>FILLED</b>	<b>14</b> Internet: 9am - Noon <b>FILLED</b> Pine: 1pm - 4pm *Photoshop: 6pm - 9pm <b>FILLED</b>	<b>15</b> SAS part 2: 9am - Noon <b>FILLED</b> Netscape Composer: 2pm - 5pm	<b>16</b> Access part 2: 9am - Noon <b>FILLED</b> Lists, Tables, Graphics: 1pm - 4pm <b>FILLED</b>	<b>17</b> SAS part 3: 9am - Noon <b>FILLED</b> Perl: 3pm - 5pm <b>FILLED</b>

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