

MIZZOU

WEEKLY

University of Missouri-Columbia Feb. 20, 1997

INSIDE THE WEEKLY

Page 2: MU streamlines its job application process

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First time's the charm

McNair Program gives students an edge in graduate education.

When Cheryl Hendrickson graduated last May with a doctorate in psychology from the University of Nebraska, it marked a milestone for the McNair Scholars Program. Hendrickson was the first in MU's McNair program to earn a PhD.

But McNair scholars have been celebrating many quiet victories since Mizzou established its program in 1989. Each year, the McNair program opens doors of opportunity for low-income, first generation college students and for undergraduates who are under represented in academic disciplines. The goal is to encourage and help prepare those students for doctoral study.

As an MU undergraduate, Hendrickson worked closely with Daniel Turban, associate professor of management, conducting research under his mentorship and preparing herself for graduate school. The program can point to other success stories all across campus.

Two McNair scholars have earned

medical degrees and two have earned law degrees. More than 160 students have completed research internships with faculty mentors. More than 230 undergraduates have been involved in the program since its inception eight years ago. Nearly two-thirds of those students have gone on to graduate school, including prestigious graduate programs at MIT, Harvard, Stanford, Johns Hopkins and MU.

And students aren't the only ones who are enthusiastic about the McNair program. Nearly 200 faculty members have volunteered to act as mentors for McNair scholars. That wide base of faculty support means students have more options "We potentially can take students from any discipline on campus," says Vicki Curby, director of the McNair Scholars Program. The program, funded by the U.S. Department of Education, is named for astronaut Ronald E. McNair, who was killed in the Challenger space shuttle crash. Mizzou was one of the

original 14 universities to participate in the program.

Curby says that the McNair experience goes beyond undergraduates working with professors on research or scholarly projects. "Our program is not just a research internship. We think some of our students benefit from more nurturing than that," she says.

Curby and her staff help scholars get ready for their Graduate Record Exams, provide a graduate school resource library and computer training, and teach advanced library skills.

One important benefit for McNair scholars is the opportunity to attend a scholarly conference with their mentors. Last fall, senior Antwaun Smith, a religious studies major from St. Joseph, Mo., attended the American Academy of Religion conference with mentor Joel Brereton, associate professor of religious studies.

"The conference was a good opportunity to get to know people in the field," Smith says. He is working with Brereton on a project that looks at religious themes in the work of novelist Toni Morrison. "The kind of work that Antwaun is doing really does bridge undergraduate to graduate work,"

Brereton says. "It is graduate level research he's involved in. He's certainly capable of doing it, and I'm glad to help."

Like many other MU faculty volunteers, Michael Prewitt, assistant professor of respiratory therapy, heard about the McNair program through a colleague who had participated. When Tiyonda Valentine entered the respiratory therapy program last fall with a research interest similar to his, Prewitt signed on as a mentor for her research project. Valentine, a junior from St. Louis, is studying the access to asthma treatment for minorities in urban settings.

"She is just an excellent student," Prewitt says. "She's always prepared in every phase of the project from coming up with the research question to doing a literature review." The two have submitted an abstract to do a poster presentation at the Allied Health Professions conference in Chicago this spring.

Curby stresses that the McNair program is more than matching undergraduates with faculty mentors. "Students say it demystifies graduate school," she says. "So when they get into graduate school they have a leg up on everybody else. Hopefully, that will help build success."

Hats off to the chef

Rick Lampe is more than the executive chef of MU's University Club, he is an ambassador of good taste throughout mid-Missouri. So much so, that the Missouri Restaurant Association chose him Restaurateur of the Year for 1996. The honor recognized Lampe's leadership in MRA, his business

savvy and community involvement. As soon as Columbia mayor Darwin Hindman and county commissioner Don Stamper heard about Lampe's win, they each drew up resolutions proclaiming this past Jan. 15 Rick Lampe Day.

"The recognition meant a lot to me and my family," says Lampe, a native St. Louisian. "There are a number of unsung heroes in this business, and this was an opportunity to let folks know that there is a rewarding, satisfying career in the hospitality industry. It is more than being a hamburger flipper. We do good for a lot of people on a daily basis and we should never lose sight of that."

Once a month, mid-Missourians can see Lampe on *Pepper and Friends*, a live talk show produced at and aired over KOMU-TV. According to host Paul Pepper, the "Cooking with Rick" segment receives good viewer response. "Rick has thousands of satisfied fans who look for him on a monthly basis," Pepper says. "He is probably one of the most popular cooks that we have on."

Cooking is merely "applying heat to food to make it palatable, tasty and presentable," Lampe says, describing the art form that is more than a passing fancy with him. It is his lifelong passion, he says. But that is to be expected of someone who started experimenting in the family kitchen almost before he enrolled in grade school.

Lampe's career started to boil soon after he placed first in a cooking contest for kids at age 8. By the time he graduated from high school, his addiction to creating culinary delights was so strong that he gave up four-year scholarship to study medicine at St. Louis University just to put his talents to work in some of the city's finest restaurants. "After about eight years, I realized that experience was good, but education was better," says Lampe about his decision to leave the Gateway City at age 24 and head for the CIA (Culinary Institute of America) in Hyde Park, N.Y., where he trained in the French classics. "This was an intense two-year program. I was fortunate to be taught by some of the best chefs on both sides of the ocean."

After returning to St. Louis and doing a 12-year stint in the hotel industry, Lampe came to Mizzou in 1992 to head up the University Club on the second floor of the Reynolds Alumni and Visitor Center.

As executive chef, Lampe wears many toques [chefs' hats]. He is responsible for overseeing the kitchen's budget; the hiring and training of employees; planning; marketing; menu

development; and everything else that comes under the headings of food and service. "Executive chefs normally find themselves running a business, and we have a large business here," Lampe says.

That he doesn't get to cook as much as he used to is OK with him. "I received a lot of great breaks along the way, so now it is my turn to give back; to make sure that this business continues and improves."

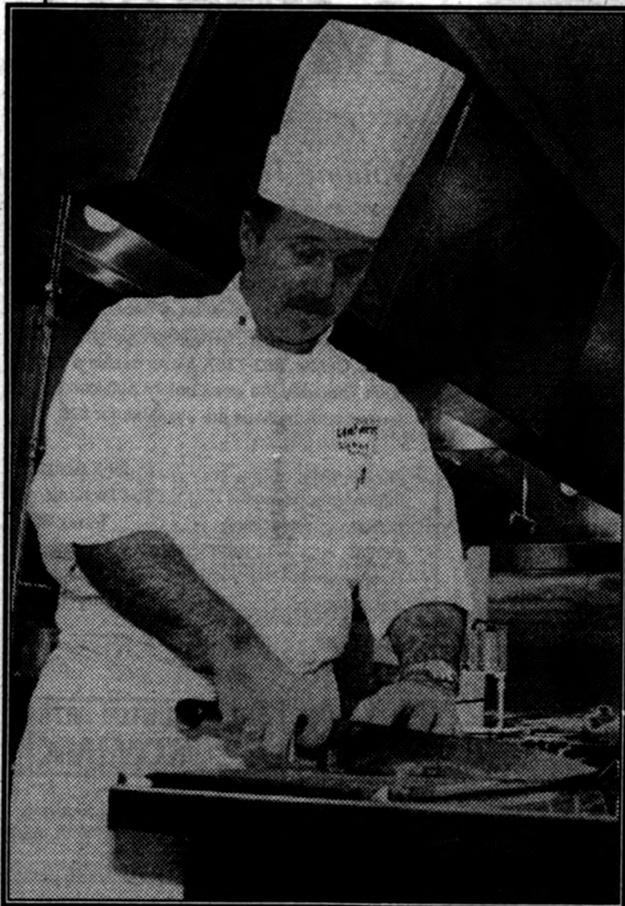
Lampe predicts that by the year 2006, there will be a 46 percent increase in the demand for chefs. And as current president of the Missouri Restaurant Association, he is in to preparing the next generation to meet this demand by demonstrating his craft to classes at MU and at various schools throughout the state. "We are starting to target youngsters at an early age," Lampe says. "I am now going to grade schools and showing those students the fun side of this business."

In addition, he judges the annual national Vocational and Institutional Clubs of America contest in Kansas City. The competition draws students from around the country, says Lampe, a charter member of the Mid-Missouri Tourism Council and of the Chef's Association in Columbia, and an adviser to Advent, Hickman High School and The Career Center.

"I enjoy showing people what I do for a living; it is very simple," Lampe says. "By applying heat to food, you can make people smile, and to me that is kind of neat."

At shift's end, University Club's executive chef Rick Lampe leaves his toque at the office. His wife, an excellent cook, he says, is the chef at home, "and she wants it that way."

Rob Hill photo



NEW MUSEUM HOURS, NEW MAYAN PHOTOS

A special photography exhibit of ancient Maya art and architecture will kick off the new expanded hours for the Museum of Anthropology. The museum, located in Swallow Hall, is now open Saturdays from 10 a.m. to 4 p.m. in addition to its regular 9 a.m.-4 p.m. weekday hours.

The current special exhibit is titled "Photographs by Eldon Leiter: Ancient Maya Art and Architecture" and includes nearly 25 photos from Leiter's widely published and exhibited collection of work. Leiter, a Sedalia, Mo. native, has spent decades photographing Maya

archaeological sites and museum collections in Mesoamerica. One of his main interests is the plants and animals depicted in Mayan art.

By opening on Saturdays, the museum will provide the general public with better access to its collections, says Molly Strode, associate museum curator. "Right now the bulk of our guided tours come from the schools," Strode says. "While we are part of the University, we are certainly part of the community as well."

FACULTY HAVE INPUT IN PRESIDENT SEARCH

As the Board of Curators considers candidates for the UM System presidency, faculty at Mizzou have an opportunity for input in the process. The board has appointed a nine-member Systemwide faculty committee that will help review and interview candidates. The two representatives from the MU campus — Bill Bondeson, distinguished teaching professor in philosophy, and Michael Roberts, curators' professor of animal sciences and professor and chair of veterinary pathobiology — welcome any questions or comments from

faculty across campus.

"If any faculty members have a statement about the qualifications for president, or have any questions they would like us to ask the candidates, we would be happy to have them," Bondeson says. Call Bondeson at 882-6760, or e-mail him at:

<philwb@showme.missouri.edu>

Roberts can be reached at 882-0908, or by e-mail at: <Michael_Roberts@muccmail.missouri.edu>

MATH = FUN

A Saturday morning of fun and learning is in store for area fifth-graders who will visit booths that feature games, puzzles and activities while they explore mathematical concepts at the College of Education's second annual Math Fair for Kids. The free event is open to area fifth-graders and their parents from 8:30-11:30 a.m. Feb. 22 on the first floor of Townsend Hall. The event is sponsored by MU's Mathematics Teachers Organization, a group of MU education students interested in math and kids.

"For many young students math is viewed as difficult, boring and

Job hunt made easier

Changes at Human Resource Services ease the way for job application process.

Applying for a new job is never fun. But MU's Human Resources Services is making it easier at least. Thanks to suggestions from the department's continuous quality improvement team, the job application process is more efficient and effective now. And temporary employees have to pass a higher standard.

The application process used to be complicated and time-consuming because applicants had to fill out several forms, says Sandy Neal, assistant director of Human Resource Services. Now applicants fill out one easy-to-read form for each position they are interested in. This new application form is printed on white paper for easier copying. The form is also more organized and includes a space for applicants to include relevant skills, like computer proficiency.

Eventually the application will be available on the office's homepage on the World Wide Web.

"Everyone likes the new application process. University departments and the applicants are letting us know that the changes are for the better," says Neal.

In addition to changes in the application itself, Human Resource Services has changed the way it handles them. For one thing, the office has shortened the amount of time it takes for an application to get to departments. In the past, it took an average of eight days for an application to get from Human Resource Services to a department. Now as a result of better organization, all applications are delivered no later than three days after they are turned in.

As part of the changes, the department assigned a staff person to assist job

applicants with the process. This includes helping applicants assess their qualifications, learn how to search for suitable jobs and apply for the right jobs. "People who come in get one-on-one attention," says Neal.

Secretarial Office Support Services, a unit of Human Resource Services that specializes in providing temporary secretarial and clerical employees, is following this tradition of change by upping the standards for the nearly 80 temporary personnel who are placed each year.

This year for the first time, SOS applicants will receive the same criminal background and reference screening that other applicants undergo. Currently, Human Resource Services has 100 temporary employees, and they expect to hire more and better employees this year.

Later this year, SOS will begin testing applicants to determine their skill level with various software packages. This will help departments who are searching for temporary employees with specific qualifications. Departments can request the type of skills they seek, and SOS tries to match those specifications.

While some SOS employees are

looking only for temporary work, the office encourages them to think in terms of permanent employment. Most University departments seek secretarial or clerical workers with campus experience. SOS is the perfect way to get that experience, while trying the department on for size, says Margaret St. Omer, manager of SOS. "In the long run, it serves both the department and the temporary employee."

In the future, SOS would like to expand the types of temporary employees available for departments.

By hiring light industrial workers and computer program analysts, St. Omer says that the office could help more University departments.

And help is what it is all about for both SOS and Human Resource Services. By working together, they both help applicants and departments find what they seek, says Neal. "We support each other, because the reason we are both here is to help University departments find good employees."

Call Sandy Neal at 882-7976 with comments and suggestions about the changes.

Traveling abroad? Make the International Health Clinic your first destination

University Physicians has opened the International Health Clinic at University Hospital and Clinics for all travelers, including retirees, business executives and University staff members and students. The clinic offers services needed before and after travel, including the following:

- immunizations
- advice on safe travel practices
- prescriptions
- information on travel resources

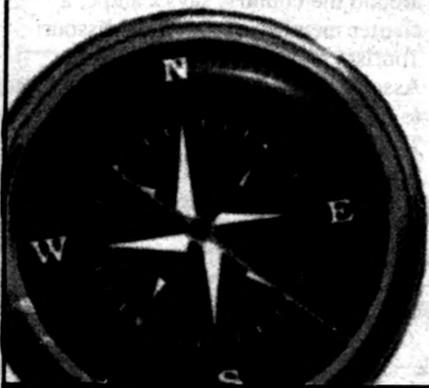
The International Health Clinic is staffed by Stephen Dolan, M.D., Division of Infectious Diseases at the M.U. Health Sciences Center. He offers expertise in tropical and travel medicines. Dr. Dolan is board certified in internal medicine and infectious diseases.

The clinic is open Thursday mornings in the Medicine Specialty Clinic at University Hospital and Clinics, but other times can be arranged. Call 882-3107 to receive more information.

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MIZZOU WEEKLY

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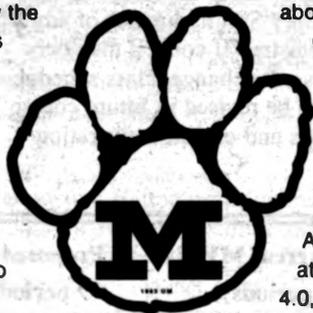


Printed with soy ink on recycled newsprint containing 90 percent to 100 percent post-consumer waste.

unpleasant," says Barbara Reys, professor of education. "We want to show kids the recreational side of mathematics. This event will present mathematics in an active, motivating environment that will help kids understand basic mathematical principles through enjoyable experiences." Registration is encouraged; call 882-8744.

TIGER ATHLETES STAR IN CLASS

MU student-athletes had another banner semester in the classroom, according to figures compiled recently by the athletic department's Total Person Program. During the fall 1996 semester, six Tiger teams posted grade point averages of 3.0 or better, contributing to an overall student-athlete GPA of 2.642. The women's cross country team led the way with a team GPA of 3.42.



Other teams over 3.0 were men's tennis, women's track, soccer, women's golf and gymnastics. Overall, 167 Tigers had GPAs of 3.0 and above, 76 were at 3.5 and above, and 111 made the dean's list. The women's track team had 26 members with GPAs of 3.0 and above, with football team close behind with 20. Additionally, 23 student athletes had GPAs of 4.0, including five who were above 4.0 because of their performance in honors classes.

HELLO?

Anybody out there? At *Mizzou Weekly*, we want to make sure that our 11,000 readers get their papers and get them on time. The *Weekly* is delivered to offices around campus every Thursday during the regular school year, and every other Thursday over the summer. Individual copies are mailed to nearly 2,400 retirees in the mid-Missouri area. If you, or your office, experience any problems with the distribution of *Mizzou Weekly* — if the papers are late, or don't come at all — please let us know.

Report any problems to the Publications and Alumni Communications office at 882-7357.

United in scholarship

German and Russian Studies to host symposium connecting many disciplines

For years, universities across the country have grouped German and Russian studies together in one department, often with little scholarly interaction between the two.

This was the case for MU's German and Russian studies department until now. As part of Mizzou's niche strategy, the two programs are building a unique academic bridge between the disciplines.

"It is common in the U.S. to put the Russian program with the German program for purely administrative reasons. It's a marriage of convenience, a mere co-existence. Here we are taking advantage of the historical juxtaposition of the two civilizations," says Gene Barabtarlo, department chair.

Because of a long tradition of German presence in Russia, the two countries share, or contest, many a page in their

histories, says Barabtarlo. Russia benefited from the German influence in such areas as literature, music, education, medicine and natural science. Coordinating these two academic programs at MU will help scholars explore the relations between the two cultures.

As a first step towards that coordination, the department is hosting the "German and Russian Cultural Juxtaposition: An International Symposium" on Feb. 27, 28 and March 1 at MU. The conference will span three centuries of cultural commerce and involves some of the best specialists in a broad range of disciplines including

literature, history, economics, philosophy and fine arts.

Among the 17 specialists who come from both Europe and the United States are MU scholars Roger Cook, associate professor of German, Michael Bernard-Donals, assistant professor of English, and Alexander von Schoenborn, professor of philosophy. Other guests include Wolf Schmid, a professor of Slavic from the University of Hamburg, William

Brumfield, professor of Russian from Tulane University, Michael Holquist, professor of comparative literature at Yale University, and Leona Toker, professor of English from Hebrew University in

Jerusalem.

These specialists will discuss several aspects of German and Russian relations, including music, literature, history, architecture and visual arts. This information will help MU's department reshape its curriculum to design

interesting new courses for students. The symposium is interdisciplinary by its very nature, bringing together ideas from many areas in an attempt to understand more clearly the department's academic goals, says Barabtarlo.

The symposium includes a planned visit from Wassily Leontief, professor at New York University, who won a Nobel Prize in economics in 1973. Leontief's own experiences underscore the conference theme. He was raised in Russia and spent a number of years studying in Germany in the late 1920s before the Nazi party seized power. Leontief came to the United States in 1931 to teach at Harvard University, where he was director of the Harvard Economic Research Project on the Structure of the American Economy from 1948 to 1975. While at Harvard, Leontief created the input-output analysis in econometrics, which provides a general outline of the goods and services circulating in a national economy. More than 50 industrialized countries use this model for planning and forecasting.

For information about individual sessions, call 882-4328.

The symposium includes a planned visit from Wassily Leontief, winner of a 1973 Nobel Prize in economics.

Hearnes Center/Jesse Auditorium

February

Employee of the Month

Jennifer Perry

Jennifer has been an Usher at the Hearnes Center since October 1995. She is willing to go beyond her duties to assist in other positions when needed. With her hard work and dedication, Jennifer has been a great asset to our team.



Thanks Jennifer, for a job well done!



IN MEMORIAM

Rita Walther

1960 - 1997

On February 12, our friend and colleague at Printing Services lost her battle with cancer. For those who knew her, she will be greatly missed.

Time and again

Faculty Council looks at changing class times.

Faculty Council is considering a proposal to change the starting times of classes. Mizzou is the only campus in the UM System that begins classes at 40 minutes after the hour, and that can be a problem for faculty who teach inter-campus courses over the internet, says Michael Porter.

Porter, associate professor of communications and council vice chair, proposed that classes at MU convene on the hour beginning with the winter 1998 semester.

"It would be valuable if classes were more consistently scheduled throughout the state, especially as we look to the future and see a greater use of technology to bridge programs among the state's campuses," Porter says. The Faculty Council is expected to vote on the proposal at its Feb. 27 meeting.

Porter and other proponents of the change call the current system an anachronism that no longer has any rationale. A survey of six other Missouri public universities found that UM-

Kansas City, UM-St. Louis, Northwest Missouri State and Southwest Missouri State all start classes on the hour. At UM-Rolla and Truman State University, classes begin on the half-hour.

The current class schedule was put into place after World War II, when a flood of returning veterans swamped the available class space at Mizzou, Porter says. Campus administrators back then decided to start classes at 40 minutes after the hour to squeeze an extra class period in the day.

"When you think about it, there is no reason to have the current system. But no one has ever looked it," Porter says. "We're out of sync with the other campuses and it's ludicrous."

The change would eliminate 7:40 a.m. classes, which students traditionally shun. It would add an additional class period on Tuesdays and Thursdays. The administration has not raised any concerns about the proposal, Porter adds, and student groups on campus are being consulted.

"This will do some restructuring on Tuesdays and Thursdays, but I don't think it changes anything significantly," says Gary Smith, director of admissions and registrar. If council members approve the change, class schedules will have to be revised in future course catalogs and on-line registration

materials. "We can handle it," Smith says.

Porter asks faculty and students who wish to comment on the suggested changes to contact their Faculty Council representative, or to call the council office at 882-7655.

Current MWF (9 periods)	Proposed MWF (9 periods)	Current TR (5 periods)	Proposed TR (6 periods)
7:40-8:30	8:00-8:50	8:40-9:55	8:00-9:15
8:40-9:30	9:00-9:50		9:30-10:45
9:40-10:30	10:00-10:50	10:15-11:30	
10:40-11:30	11:00-11:50		11:00-12:15
11:40-12:30	12:00-12:50	11:40-12:55	12:30-1:45
12:40-1:30	1:00-1:50	1:15-2:30	
1:40-2:30	2:00-2:50		2:00-3:15
2:40-3:30	3:00-3:50	2:40-3:55	3:30-4:45
3:40-4:30	4:00-4:50		



**Staff
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WORKING FOR YOU

Staff plan special week

The Cast Gallery at the Museum of Art and Archaeology served as the backdrop for the Staff Advisory Council's Feb. 13 meeting. Preceding the business session, council members toured the museum's collections and exhibits.

"We want to thank council member Judi Dawson, interim director Marlene Perchinske and curator Christine Neal for hosting the Staff Advisory Council," says chair Rick Wise. "The museum holds a fascinating amount of art, objects and paintings."

On the council's agenda were plans for Staff Recognition Week, scheduled for April 14-18. This year's theme is "Staff: Putting Our Best Foot Forward."

The highlight of the week is the ceremony honoring winners of the Chancellor's Outstanding Staff Award, which carries a \$1,000 prize. Four staff members, one from each of the job classifications, will be recognized April

14 for their outstanding efforts.

Two other awards will be presented at the ceremony. They are the Barbara S. Uehling Award for Administrative Excellence and the Mick Deaver Memorial Award, both carrying \$500 stipends. The Uehling Award, in honor of the former MU chancellor, is given to an administrator who has improved working conditions and the quality of life for staff. The Deaver Award goes to staff members who cultivate good relationships with students. Deaver, who was killed in an automobile accident in 1980, was the associate director of MU's Police Department.

Although planning is still under way for the recognition week, these events are set to take place: a fashion show at Hearnes Center; retirement seminars at University Hospital and at Memorial Union; tours of the research reactor and of the Residence on the Quad; a variety show in Townsend Auditorium; a blood

drive at Brewer/Rothwell Gymnasium; and an open house at the Wellness Resource Center in Brady Commons. In other business, the council

announced the first Staff Advisory Council endowment fund, which will establish a scholarship for staff members. "Staff Advisory Council is working with the Mizzou Enrichment Program and, beginning March 31, anyone who is willing can contribute to this fund through payroll deductions," Wise says. "Our goal is \$10,000, and I urge people to consider giving. Even a contribution of a few dollars a month will help us achieve our goal." Criteria for awarding the scholarship will be determined by a committee of staff members.

heard a report from the council's executive committee's meeting Feb. 6 with interim Chancellor Richard Wallace. The committee consists of Kimberly Hicks, Karen Smith and Wise. "We discussed several staff-related issues," Wise says. "The chancellor conveyed to us that he is both aware and appreciative of the contributions of staff at this university. I believe we have his sincere support and will receive his help on the matters discussed."

supported a request from Leroy Sharp, chair of the MU Retirees Association, to consider using retirees on Staff Advisory Council committees. "The group agreed that this was a wonderful idea," Wise says. "Retirees have a tremendous amount to offer, and we look forward to working with them."

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Faculty, staff, students or organizations may nominate an undergraduate student or student organization that has demonstrated initiative and leadership in addressing environmental issues at MU. Activities could include educating the MU community about environmental issues, and/or changing MU policy or practices to improve environmental conditions.



Deadline: March 1, 1997
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Grading the teachers

MU economist finds no statistical link between teacher pay and performance.

Your child's teacher makes a salary that is well above the national average. However, if you believe that a higher salary translates into a good education for your child, it may be time to go back to school.

"We find little evidence to support the conventional wisdom that increases in teacher salary raise the quality of the teaching workforce in public schools," says Michael Podgursky, professor of economics and coauthor of *Teacher Pay and Teacher Quality*, which was published this month by the W.E. Upjohn Institute for Employment Research.

"The problem is not that labor markets don't work," Podgursky says. "It's that labor markets with institutional rigidities such as mandatory teacher certification, tenure and inflexible salary schedules don't work. We show that personnel policies are much more flexible in private schools, which recruit a competitive workforce at considerably lower rates of pay and benefits."

In the 1980s, several reports were released by influential commissions and task forces showing that salaries of teachers ranked below most other professions requiring a college degree. The conclusion was that many bright students passed over teaching careers in favor of higher paying jobs. The

recommended solution was to increase teacher salaries to entice students to enter the profession.

When Podgursky and coauthor Dale Ballou, associate professor of economics at the University of Massachusetts at Amherst, investigated whether higher salaries were attracting more competent teachers than those hired in the past, they found few data to support that relationship.

Podgursky and Ballou used figures drawn from two decades worth of national data bases to document the effects of rising public school teacher salaries. The researchers conclude that many factors inhibit school districts from recruiting more talented teachers.

The fact that public schools show no preference to applicants who have strong academic records is one reason it is difficult to recruit better teachers.

Podgursky and Ballou suggest in their book that easing certification requirements would allow public schools to recruit from a deeper pool of talented recruits. That's because statistics show that noncertified graduates are likely to be of higher ability.

The authors also provide statistical evidence on reforms that may help school districts overcome some of these factors.

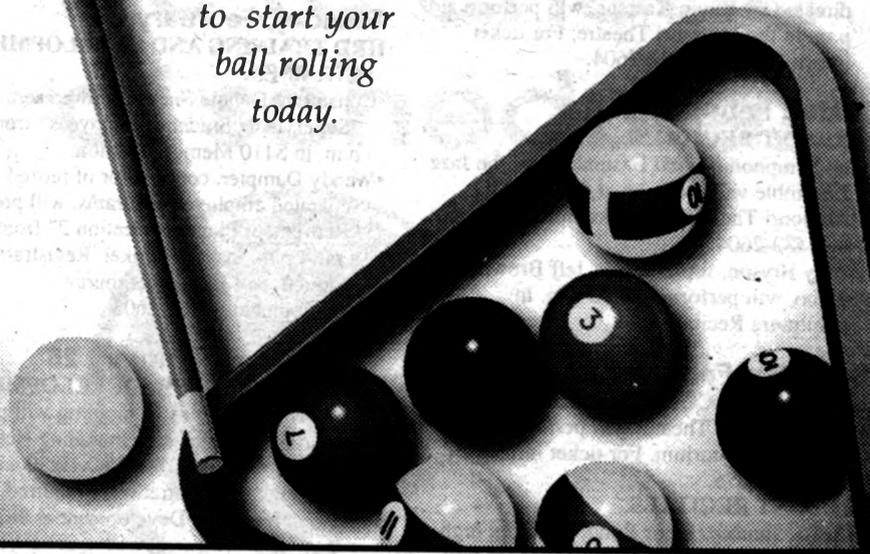
One of their suggestions is flexibility in compensation, which might entail paying bonuses to new teachers, "frontloading" salary increases into the first years of a teaching career, or basing pay on merit.

Other reforms they propose include raising academic standards for teachers along with salaries, and weakening tenure systems so that replacing ineffective teachers is easier and less costly. The authors also conclude that market-based reforms such as charter schools, vouchers and educational subcontracting hold considerable promise.

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Suggested donation \$3

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

Thursday, February 20

MISSOURI THEATRE WORKSHOP: "The House of Bernarda Alba," directed by Robin Stone, will be presented tonight and Feb. 21, 22, 27, 28 and March 1 and 2 in the Rhysburger Theatre. All performances begin at 8 p.m. except the matinee performance at 2 p.m. March 2. For ticket information, call 882-PLAY (882-7529).

CONCERT RECITAL: The University Philharmonic, directed by Edward Dolbashian, and the Symphonic Band, directed by Kevin Kastens, will perform at 8 p.m. in the Missouri Theatre. For ticket information, call 882-2604.

Friday, February 21

STUDENT RECITALS:

- The Symphonic Wind Ensemble and the Jazz Ensemble will perform at 8 p.m. in the Missouri Theatre. For ticket information, call 882-2604.
- Amity Bryson, soprano, and Jeff Brown, piano, will perform at 8:30 p.m. in Whitmore Recital Hall.

Saturday, February 22

UNIVERSITY CONCERT SERIES: The Muntu Dance Theater will perform at 8 p.m. in Jesse Auditorium. For ticket information, call 882-3875.

STUDENT RECITALS:

- The All Juniors Honor Band, featuring high-school juniors from around Missouri, will perform at 2 p.m. in the Missouri Theatre. For ticket information, call 882-2604.
- Lindsey Miller, violin, will perform at 7 p.m. in Whitmore Recital Hall.
- The Cavalcade of Choirs, comprised of MU choral groups, will perform at 8 p.m. in the First Baptist Church.

Monday, February 24

FACULTY RECITAL: Marcia Spence, horn, will perform at 8 p.m. in Whitmore Recital Hall.

Tuesday, February 25

FACULTY RECITAL: David Anderson, trumpet, will perform at 8 p.m. in Whitmore Recital Hall.

Courses

Thursday, February 20

CQI COURSE: Joleen Finders, training and development coordinator, will present "What is CQI" from 8 a.m.-noon in S203 Memorial Union. To register, call 882-2603.

HRD TRAINING AND DEVELOPMENT COURSE: Campus Computing will present "Internet Fundamentals Including Netscape Basics-Section 2" from 8:30-10:30 a.m. in 266 Heinkel Building. Registration is required, call Human Resource Development at 882-2603.

Saturday, February 22

LITHOGRAPHY WORKSHOP: Steve Wright, doctoral candidate in fine arts, will present a lithography workshop for adults, "Oil and Water Don't Mix," from 9 a.m.-noon today, and from 1-4 p.m. Feb. 23 in the printmaking studio of the Fine Arts Building. For cost and registration information, call 882-3591.

WOMEN'S CENTER WORKSHOP:

"Introduction to Women's Investing" will be offered from 10 a.m.-noon in 229 Brady Commons will focus on advanced investing skills. Registration is required, call 882-6621.

Sunday, February 23

COLLAGE WORKSHOP: "Collaborative Collage: Workshop for Families" will be offered from 1-3 p.m. in the printmaking studio of the Fine Arts Building. The workshop is for elementary school children who are accompanied by an adult. For cost and registration information, call 882-3591.

Tuesday, February 25

HRD TRAINING AND DEVELOPMENT COURSES:

- Consultant Debbie Snellen will present "Supervising Student Employees" from 1-5 p.m. in S110 Memorial Union.
- Wendy Dampier, coordinator of retired and separated employee programs, will present "Retirement Planning-Section 2" from 9:30 a.m.-4 p.m. in 146 Heinkel. Registration is required, call Human Resource Development at 882-2603.

Wednesday, February 26

HRD TRAINING AND DEVELOPMENT COURSE: Campus Computing will present "Internet Fundamentals Including Netscape Basics-Section 1" from 8:30-10:30 a.m. in 266 Heinkel. Registration is required, call Human Resource Development at 882-2603.

Thursday, February 27

CQI COURSE: "Getting Started in CQI" will be presented by Joleen Finders, training and development coordinator, from 8 a.m.-4 p.m. in S207 Memorial Union. To register, call 882-2603.

HRD TRAINING AND DEVELOPMENT COURSE: Campus Computing will present "Internet Fundamentals Including Netscape Basics-Section 2" from 8:30-10:30 a.m. in 266 Heinkel Building. Registration is required, call Human Resource Development at 882-2603.

Exhibits

ART FOR LIFE: Still life and colored pencil drawings by William Berry, professor and chair of fine arts, and blown glass pieces by Illinois artist Caroline Bottom Anderson will be on display through March 31 in the lobbies of University Hospital and Clinics and Ellis Fischel Cancer Center.

BINGHAM GALLERY:

- Annual Faculty Exhibition will be on display through Mar. 21. A reception will be held from 4-6 p.m. Feb. 21.

The gallery, located in A126 Fine Arts Building, is open weekdays from 10:00 a.m. to 4:00 p.m.

BRADY COMMONS GALLERY:

- Black History Month Exhibit will be on display through 27. The gallery, located in 203 Brady Commons, is open 10 a.m.-5 p.m. Monday-Friday.

MUSEUM OF ANTHROPOLOGY: The current special exhibit is "Photographs by Eldon Leiter: Ancient Maya Art and Architecture." The museum, located in 100 Swallow Hall, features exhibits focused on Native American cultures and the history and prehistory of Missouri. The museum is open 9 a.m.-4 p.m. weekdays and 10 a.m.-4 p.m. Saturdays.

MUSEUM OF ART AND ARCHAEOLOGY:

- "A Graphic Odyssey: Romare Bearden as Printmaker" will be on display from through March 30.
- "The Mark Rothko Loan"
- "The Kress Study Collection"
- "Isms and Others in the Twentieth Century"
- "The Saul and Gladys Weinberg Gallery of Ancient Art"
- "Early Christian and Byzantine Gallery"
- "European and American Gallery"
- "Expressions of Africa"

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

STATE HISTORICAL SOCIETY:

- "The Colored Engravings of Karl Bodmer" are on display in the gallery through April. The gallery is open 8:30 a.m.-4 p.m. weekdays.
- "The L. Mitchell White Collection Selected Editorial Cartoons" is on display through April in the north-south corridor.
- "Decades: 1887-1977 Editorial Cartoons" is on display in the east-west corridor.

The corridors are open from 8 a.m.-4:30 p.m. weekdays and 9 a.m.-4:30 p.m. Saturday.

WESTERN HISTORICAL

MANUSCRIPTS COLLECTION: An exhibit of items from the collection titled "Weaving Threads of the Black Experience: African-American Words and Images" will be on display from Feb. 3-28 in the Jesse Auditorium exhibit case, and from Feb. 17-28 in 23 Ellis Library.

Films

Friday and Saturday, February 21&22

MSA/GPC FILM: *Blue Velvet* will be shown at 7 and 9:30 p.m. in Ellis Auditorium. Cost: \$2 in advance, \$2.50 at the door.

Friday and Saturday, February 28 and March 1

MSA/GPC FILM: *Little Odessa* will be shown at 7 and 9:30 p.m. in Ellis Auditorium. Cost: \$2 in advance, \$2.50 at the door.

Lectures & Seminars

Thursday, February 20

NOEL GIST INTERNATIONAL AFFAIRS SEMINAR: Carol Ward, assistant professor of anthropology, will present "Ancient

Humans and Modern Humans in Kenya" at the brown-bag seminar held at noon in S204 Memorial Union.

NUTRITIONAL SCIENCES SEMINAR:

Kevin Fritsche, associate professor of animal sciences, will present "A Novel Mechanism by Which N-3 Fatty Acids Affect the Immune System: Downregulation of the Interferon Gamma Receptor" at 3:40 p.m. in 209 Gwynn Hall.

GENETICS SEMINAR:

Susan Wessler from the University of Georgia will present "Transposable elements and the Evolution of Gene Expression" at 3:40 p.m. in 18 Tucker Hall.

ENVIRONMENTAL ENGINEERING

SEMINAR: Thomas Clevenger, director of Missouri Water Resources Research Center, will present "Star Wars Technology Applied to Environmental Problems" from 7:30-9 p.m. in 203 Memorial Union.

Friday, February 21

SPEECH-LANGUAGE PATHOLOGY

SEMINAR: The seminar on recent developments in the field will be held in Ketchum Auditorium in Engineering Building East. Cost: \$30 professionals, \$15 students. With questions, call 882-3873.

CHEMISTRY COLLOQUIUM:

Frank DiSalvo of Cornell University will present "Solid State Chemistry — The Challenges and Opportunities" at 3:40 p.m. in 103 Schlundt.

RELIGIOUS STUDIES LECTURE:

Tom Finan, adjunct professor at St. Louis Community College, will present "The Future of the Past in the Present: Medieval Irish Prophetic Poetry and Cultural Politics" at 4 p.m. in 117 General Classroom Building.

WOMEN'S CENTER PROGRAM:

Jess Fairman, local musician and teacher, will present "Drum Magic" at 7 p.m. in 229 Brady Commons. Bring something to bang on.

Monday, February 24

CARDIOVASCULAR DAY: Cardiovascular scientists will present recent research from 8 a.m.-3 p.m. Poster presentations will begin at 4 p.m. Diane Kunze, professor of neuroscience at Case Western Reserve University will present the James O. Davis Distinguished Lecture in Cardiovascular Science "Cellular Basis for Baroreceptor Regulation of Cardiovascular Function" at 3 p.m. All events will be held in the Reynolds Alumni and Visitors Center. Registration is required for the symposium and luncheon. With questions, call Galynn at 882-7433.

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JOURNALISM SEMINAR: Journalism doctoral candidate Andy Mendelson will present "The Role of Novelty for Attention and Memory" at a brown-bag seminar at 12:40 p.m. in 110 Lee Hills Hall.

BIOCHEMISTRY SEMINAR: Jeanne Erickson, research associate professor of biochemistry, will make a presentation at 3:30 p.m. in Room 50 Chemistry.

SOIL SCIENCE SEMINAR: Charles Rice, associate professor of agronomy at Kansas State University, will present "Integrated Decision Making for Sustainability" at 3:40 p.m. in 133 Mumford Hall.

Tuesday, February 25

PHARMACOLOGY SEMINAR: Clinton Joiner, associate professor of pediatrics and molecular and cellular physiology, will present "The Role of Cation Transport Pathology in Sickle Cell Disease" at 11:40 a.m. in M558 Medical Sciences Building.

INTEGRATED TECHNOLOGY SERVICES SEMINAR: Craig Klimczak, assistant professor of health services management, and Michael Ruiz, senior programmer analyst, will present "The ECHR Development Group and the STAR Project" at noon in 631 Lewis Hall.

BIOLOGICAL SCIENCES SEMINAR: Anand Chandrasekhar from the University of Michigan will present "Mutational and Molecular Analyses of Branchiomotor Neuron Specification in the Zebrafish Embryo" at 3:40 p.m. in 18 Tucker Hall.

WOMEN'S CENTER PROGRAM: Staff from the MU Counseling Center and PASS peer educator will present "Procrastination" at 4 p.m. in 229 Brady Commons.

Wednesday, February 26

MIDDAY GALLERY EVENT: Christine Neal, curator of European and American art at the Museum of Art and Archaeology, will present "A Graphic Odyssey: Romare Bearden as Printmaker" at 12:15 p.m. in the Museum of Art and Archaeology in Pickard Hall.

WOMEN IN SCIENCE PROGRAM: Patty Jo Watson, professor of anthropology at Washington University, will present "How to Succeed in Science as a Woman" from noon-1:40 p.m. in Mark Twain Ballroom in the Memorial Union. A sandwich buffet will be available.

MANUFACTURING SYSTEMS SEMINAR: Pius Egbelu, professor and chair of industrial engineering at Iowa State University, will present "Industrial Engineering Education and Research: The Past, the Present and the Future" at 3:30 p.m. in Ketcham Auditorium in Engineering Building East.

RELIGIOUS STUDIES LECTURE: Carol Lee Sanchez, visual artist and poet, will present "New World Tribal Communities: An Alternative Approach for Creating Egalitarian Societies" at 3 p.m. in 105

General Classroom Building.
UNIVERSITY LECTURE SERIES: Patty Jo Watson, professor of anthropology at Washington University, will present the Donald M. Nelson Lecture "Cave Archaeology in North America" at 3:40 p.m. in S261 Nursing School.

Thursday, February 27

GERMAN AND RUSSIAN STUDIES SYMPOSIUM: A three-day international symposium will explore "German and Russian Cultural Juxtaposition" beginning today and continuing through March 1. For more information, contact the Department of German and Russian Studies at 882-4328.

NOEL GIST INTERNATIONAL AFFAIRS SEMINAR: Don Scruggs, professor of political science at Stephens College, will present "Which Way Hong Kong" at the brown-bag seminar held at noon in S204 Memorial Union.

LIBRARY LECTURE: Robert Wedgeworth, president of the International Federation of Library Associations and university librarian at the University of Illinois, will present "Research Libraries and the Net" from 1:40-2:30 p.m. in N214-215 Memorial Union.

BIOLOGICAL SCIENCES SEMINAR: Vivian Budnik from the University of Massachusetts-Amherst will present "Genetic Analysis of Synapse Development and Ion Channel Clustering in Drosophila: Role of Discs-Large" at 3:40 p.m. in 18 Tucker Hall.

NUTRITIONAL SCIENCES SEMINAR: Michael Sturek, associate professor of physiology, will present "3-D Imaging of Intracellular Proteins and Organelles" at 3:40 p.m. in 209 Gwynn Hall.

CELEBRATION EVENTS: To Move the World: An Evening of One Acts will be held in Stotler Lounge, Memorial Union North, at 3 p.m.

Wednesday, February 26

WOMEN'S CENTER BASKETBALL NIGHT: Group tickets are available for the MU women's basketball game tonight in the Hearnes Center. Call 882-6621 to reserve your ticket.

Thursday, February 27

GERMAN AND RUSSIAN STUDIES SYMPOSIUM: The Department of German and Russian Studies will sponsor a three-day international symposium "German and Russian Cultural Juxtaposition" beginning today and continuing through March 1. For more information, contact the department at 882-4328.

LAB EXHIBITS '97: The College of

Engineering's annual open house and research extravaganza will be held from 11 a.m.-7 p.m. in both engineering buildings
HEART TALK FORUM: A panel of University physicians and health professionals will talk about the latest advances in heart surgery, preventing heart disease, identifying risk factors and other breakthroughs in heart research at a public forum from 6-7:30 p.m. in the School of Medicine Auditorium in University Hospital. Following the forum there will be refreshments, tours, screenings, exhibits and prize drawings. Baseline EKG tests will be offered for \$15 with advance appointments. Call 882-6565.

Meetings

Thursday, February 20
TOASTMASTERS: Group meets from 4-5 p.m. in 1W19 University Hospital. With questions, call Sue Austin Boren at 882-1492.

Thursday, February 27
FACULTY COUNCIL: Group meets at 3:40 p.m. in S110 Memorial Union.
STAFF ADVISORY COUNCIL: Group meets at 1:15 p.m. at the MU Power Plant.

Tuesday, February 25
PROFESSIONAL SECRETARIES INTERNATIONAL: University chapter meets at 5:30 p.m. in 1W19 University Hospital. With questions, contact Shirley Calvin at 882-8237.

Special Events

Sunday, February 23
MARTIN LUTHER KING JR.

We're ahead of schedule.



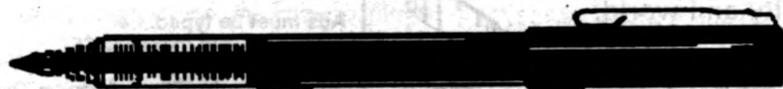
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Tax cut

Program can help lower-paid workers

Employers who would like to see more money in their lower-wage workers' paychecks should encourage eligible employees to take advantage of the Earned Income Credit advance payment option.

Working families can bolster their net incomes by taking advantage of the

federal program intended to bring tax relief to many hourly wage earners. The program gives annual tax credits to families whose yearly incomes meet the requirements, and workers who are not raising children are eligible if they are at the lower end of the wage scale.

Eligible workers who have children can qualify for refunds of up to \$3,556, says Brenda Procter, extension consumer and family economics specialist. With the advance payment option, up to 60 percent of the sum may be evenly divided into 12 payments, increasing a worker's take-home pay by more than \$100 per month, Procter says.

Many workers would welcome such a monthly infusion just to cover the groceries or the utility bills, Procter says. For others, she says, "that's a car payment." She cites one instance in which an eligible working woman determined that with the additional EIC money, she could afford to buy a house, and did. Yet few workers take advantage of the option, Procter says.

The advance payment option works like a "reverse withholding." Employers subtract the monthly EIC payments from the amount they would otherwise deposit with the Internal Revenue Service for withholding. The result is a larger

paycheck at no cost to the employer.

Workers — not their employers — must decide for themselves whether the advanced payment option is an appropriate course for them.

From January through August of 1996, an estimated 381,736 Missouri working families and individuals received a total of about \$500 million in benefits. Thousands of others don't even realize they are eligible, Procter says.

Workers whose income is so low they owe no federal income tax can still benefit. "A lot of people who don't owe income tax simply don't file," she adds. "They don't realize they're eligible for the EIC if they file a return."

To qualify for the earned income credit, workers with one "qualifying" child must have earned no more than \$25,078 in 1996. Depending on income level, those families can qualify for a maximum benefit of \$2,152. Working parents with more than one "qualifying" child and 1996 earnings of less than \$28,495 may be eligible for benefits of up to \$3,556. A "qualifying" child can be the worker's biological or adopted child, grandchild, foster child, niece or nephew, or even the child of a friend if the child is being raised as a family member. For more information, Procter says, consult a consumer and family economics specialist at your county University Extension office or call the IRS at 1-800-829-1040.



Celebrate Black History Month with these Suggested Readings.

- **Muntu Dance Theater of Chicago**, Feb. 22th, Jesse Auditorium. Part of MU Concert Series.
- **Meet Eugene Redmond**, Feb. 26th, as he signs "Drumvoices: The Mission of Afro-American Poetry".
- **Meet Arvah Strickland**, author of "Selling Black History for Carter G. Woodson, a Diary 1930-1933".
- **Meet Vice Provost K. C. Morrison**, author of "Black Political Mobilization: Leadership, Power & Mass Behavior".

Also in Feb.

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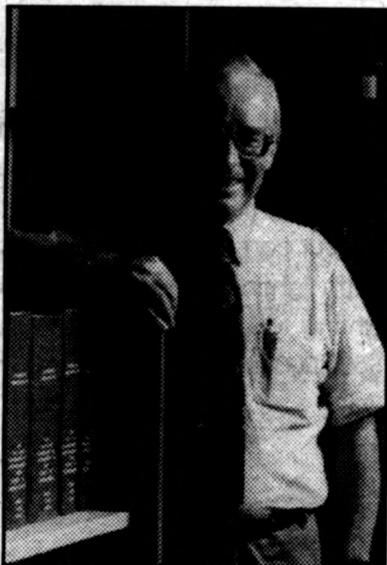
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The Department of Chemistry



invites Friends, Colleagues, present and former students to attend a Symposium and Reception honoring **Professor John E. Bauman** as he retires after 36 years of exemplary service to the University of Missouri.

The Symposium will begin at **2 p.m. in room 103 Schlundt Hall** followed by the reception at **4:30 p.m. in the Mark Twain Ballroom (N201) in the Memorial Union.**

As lifelong educators in Columbia, John and his wife, Barbara, have dedicated their lives to inspiring people of all ages to reach beyond their current boundaries, ultimately, creating a better community and world.

Please join us in honoring Professor and Mrs. John Bauman as they prepare to travel a new road in the next stage of life.

Soy ahoy

MU students find new uses for Missouri's favorite bean.

Dog food for big dogs, lip balm and nail polish are winning entries from MU students in a contest to devise new uses for the state's largest cash crop — soybeans.

First-place went to Danita Spurgeon, an agricultural education major from Macon, Mo., for PALERGY, a food for large breed dogs like her Great Dane. "I had trouble finding a dog food with a high energy to protein rating that is

remotely appealing to my Dane," Spurgeon says.

Her solution: A mixture of soybean meal, a soapstock product called LiquiWrap normally used to protect hay bales from the weather and wheat flour.

She won \$1,000 and a summer internship from the contest sponsor the Missouri Soybean Merchandizing Council.

Kendra Wu was the second-place winner with her Super Soy Lip Balm. She won \$750. Her product uses soybean oil, beeswax and honey to soothe chapped lips. Wu of Elk Grove Village, Ill., is studying journalism and hotel and restaurant management.

'The contest focused on ways to expand use of soy oil and meal.'

Steve Borgelt, associate professor of agricultural engineering.

Gordon Smith of Columbia, a doctoral student in agronomy, won the third-place prize for his soybean finger nail polish. Smith explains that finger nail polish contains a substance called nitrocellulose

made by adding nitrate to the cellulose found in plant cell walls.

Smith suggests using a new material made from the fatty acids in soybeans that is similar to nitrocellulose. The material is called fatty-acid cellulose ester or FACE. The manufacturing process using FACE requires milder acids, which makes it a more environmentally friendly process, he said. Smith won \$500.

J.P. Dunn, an agricultural systems management major from Macon, Mo., and William Davis, an environmental design major from Joplin, Mo., won honorable mentions.

Dunn came up with PROBLAST, a soybean protein abrasive material for taking rust off equipment. Davis suggested using soybean meal as an ingredient in building materials. Each won \$250.

"Soybeans are a versatile, renewable resource. Soy components are important ingredients for a variety of foods, feeds, and industrial products. The contest focused on ways to expand use of soy oil and meal," said Steve Borgelt, associate professor of agricultural engineering.

"This gives our students a chance to interact with research faculty. Many of the things we make today are made with petroleum products which can be replaced with renewable agricultural products," Borgelt said.

Campus Computing

Short Courses

The following non-credit short 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. To enroll, please call 882-6006 at least two days prior to the beginning of class. Participants may be enrolled in no more than two courses in one month. NOTE: When an ID is required for a class, participants should obtain the ID prior to registering for that class (call the Help Desk at 882-5000 for ID information). Registrants should remember to phone 882-4568 the day prior to class in order to obtain permission to park in lot RC20. More information about these classes is included in the Campus Computing Training Groups Web pages (see below).

For the complete Short 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>

INTRODUCTION TO PINEMAIL

FEB 21

Prerequisites: A SHOWME ID is required prior to registering for the class, plus Internet Fundamentals including Netscape Basics course. Please bring a formatted 3.5" diskette to class.

INTRODUCTION TO MICROSOFT WORD 6.0

FEB 24

Prerequisites: Foundations of Computers course or knowledge of file management with Macintosh or Windows, and mouse skills.

SHOWME BASICS

FEB 25

Prerequisites: A SHOWME ID is required prior to registering for the class.

FOCUS ON FACULTY

INTERNET FUNDAMENTALS INCLUDING NETSCAPE
BASICS
FEB 21

Prerequisites: Foundations of Computers course or knowledge of file management with Macintosh or

Windows, and mouse skills. Please bring a formatted 3.5" diskette to class.

WWW WORKSHOP: INTRODUCTION TO WEB PAGE AUTHORIZING FEB 28

Prerequisites: A SHOWME ID is required prior to registering for the class, plus Internet Fundamentals with Netscape Basics course. Please bring a text outline of what you'd like on your home page and a formatted 3.5" diskette to class.

OPEN FACULTY FORUM

The Computer Policy and Planning Committee is in the process of selecting a permanent Assistant Vice Chancellor for Computing, and has arranged an Open Faculty Forum to give you the chance to meet the candidates and ask questions. Feel free to join us!

Name: Dr. William Gerry McCartney
Date: Friday, 2/21/97
Time: 11:00am - 12:30pm
Place: 226 Heinkel Building

FACULTY/STAFF GUIDE TO COMPUTING

Campus Computing is proud to announce the first edition of the *Faculty/Staff Guide to Computing*. It is being sent to all teaching staff at the University of Missouri-Columbia, and should be in your mailboxes in early March.

This 34-page booklet, which has been under development for the last year, includes information on: computer policies and rules, do's and don'ts of academic computing, green computing, Campus Computing facilities and services, classroom site descriptions, reserving a site, departmental computing sites, the Help Desk, digi-

tal media facilities, adaptive computing, training courses, documentation, repair services, software, dialup, email, host systems, discussion lists, user IDs, MERLIN, and lots more.

If you have any questions about this document, please call Cathy Byland at 882-2000.



Prairie pursuit

For four years, Bob McGraw has traipsed over the Missouri countryside, collecting wild legumes to restore native grasslands for wildlife and farm pastures. Now McGraw, associate professor of agronomy, has identified some of the best species and wants to increase seed supplies for commercial production.

"These seeds would be popular for those interested in prairie restoration; wildlife plantings, especially for quail; and in native grass pastures as a feed for wildlife and livestock," McGraw says.

"Native legumes are wonderful plants. They produce seeds and attract insects that birds like to eat; they make good feed for cattle, deer and other wildlife; and they fix nitrogen for all the other plants in the community."

And they provide diversity.

"When settlers first came to mid-America, they found millions of acres of native grasslands. These were diverse ecosystems for herds of bison, elk and deer, as well as an abundance of smaller animals," McGraw said.

"Today, only a small percentage of native grasslands remain. Many have succumbed to the plow and were converted to row-crop production. Many were converted to mono-cultures of introduced grass species such as tall fescue. Some were over-grazed and neglected, resulting in an invasion by woody species and undesirable

vegetation. With the loss of native grasslands came a decline in animal species that rely on a grassland ecosystem for habitat."

Under a grant from the Missouri Department of Conservation, McGraw collected 23 different species from the 11 regions of the state that range from the loess hills in northwest Missouri to the dry chert savannas in the extreme southern part of the state.

One of the best species he's found is Illinois bundle flower. "It produces an abundance of good quality forage that is high in protein and low in fiber," he says. Also popular with McGraw are three species of a plant called 'stick-tights' because of the way their seeds stick to your pant legs.

Much of the interest in using native legumes for pastures comes because the grasses introduced into the Midwest are

cool-season types that go dormant and are unproductive during the hot summer months.

For that reason, many farmers have pastures of warm-season types — such as bluestem and indiangrass. McGraw said these warm-season pastures would do better if they were seeded with native legumes.

"Native warm-season grasses mixed with native warm-season legumes would provide a profitable alternative for summer grazing besides offering considerable benefits to wildlife," he says. "Wild legumes would make these native pastures more productive."

A main goal, he says, is to have native species that are source-identified. "If you want to establish a prairie or a native pasture, you want seed native to that specific area."



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Online library

The College of Education is bringing library resources directly to its students, educators and interested public worldwide. The college is not mobilizing a University bookmobile or hand-delivering journal articles. Instead, it has created a World Wide Web library filled with information about the field of education.

The Learning and Instruction Web Library was created by Jane Howland, a graduate research and teaching assistant. It was designed to provide off-campus extension students with access to necessary information. "The convenience of 'going to the library' from your own home, at any hour, is a real benefit to busy students," Howland says, "particularly when many of the students in this program are practicing teachers and professionals with other responsibilities." The library also provides much-needed resources to anyone with access to the web and an interest in education.

"We're providing a vast array of resources right at their fingertips," says Steve Graham, associate professor of education and director of continuing professional education. "We've made it as simple as possible - just point and click."

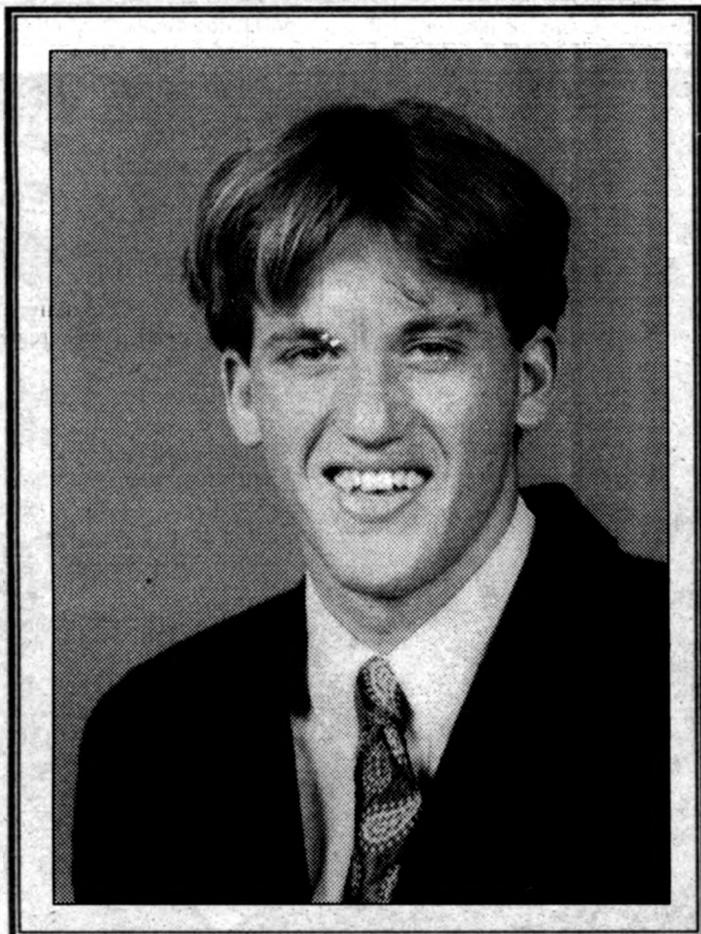
The online library provides users with another advantage they would not have in a traditional library. Searching for quality information — some of the most time-consuming work — has already been done for them. "The web library is a helpful tool because we've targeted our users, done the web searches for them and compiled a library of resources directly related to the areas they will be focusing on," Howland said. "The web is fantastic because it offers such an incredible number of resources, but finding them can be time-consuming and sometimes frustrating." Howland's searching leaves users with a library full of high-quality, text-rich documents including journal articles, symposium proceedings and even some books online.

Users can access the library at:
<http://tiger.coe.missouri.edu/~cpe/>

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New features mark Engineers Week

A visit by a prominent Russian scientist. A research extravaganza and open house that is guaranteed to draw more than 1,000 youngsters from mid-Missouri. A canned food drive for the needy.

Those aren't the sorts of events you necessarily expect to see during Engineers Week at MU. But they're all highlights of the special week this year, which will be held Feb. 24 through March 1.

"We're really excited about these new features," says James Thompson, dean of engineering. "We think they will strongly complement the regularly-scheduled events of Engineers Week."

Thompson makes particular note of

new plans this year for the lab exhibits extravaganza. In the past, this showcase for current engineering research projects had been held on Saturdays, drawing an average of 250 visitors. This year, it will be held on Feb. 27, with a major effort under way to attract middle-school, junior-high and high-school science classes.

And so far, those efforts are paying off. As of Feb. 17, the College had received reservations from 29 schools and several Boy Scout and Girl Scout troops. In all, those groups plan to bring more than 1,150 youngsters to the event.

Exhibits will include the college's solar car and gas-powered formula car; a coal

log pipeline, a virtual reality demonstration and a production line where robots carry out the tasks. "We will emphasize to these students that engineers contribute tremendously to the economic development of the state, and that our graduates are highly in demand in the job market," Thompson says. "In a subtle way, this event will bring home the point that MU is the place to be for a first-rate engineering education."

Thompson also notes that Gennady Mesyats, vice president of the Russian Academy of Sciences, will be on campus during Engineers Week. Mesyats, an expert on pulsed power, is working with several engineering faculty members on research projects. While here, he will present a satellite videoconference, "Commercial Applications of Pulsed

Power," at 10 a.m. on March 5.

In addition, the Engineering Graduate Council will sponsor a canned food drive during the week, with all food donated to the Central Missouri Food Bank. "We wanted to do something a little different, and thought this would be a nice gesture," says Mike Vanderham, coordinator for the graduate student group. Collection bins will be placed in all college departments, and a trophy will be given to the department that collects the most food during the week.

Other events during Engineers Week include the egg-catapult contest on Francis Quadrangle Feb. 24, a St. Pat's barbecue and king and queen competition, a knighting ceremony, an honor awards banquet and the St. Pat's ball. For more information, call 882-3221.

Heart-to-heart

As part of National Heart Month, the Health Sciences Center's cardiac catheterization lab celebrated its 30th anniversary with an open house Feb. 14. Visitors toured the facility, which has performed nearly 20,000 procedures in its three decades of service.

Cardiology technician Rob Danison, left, and staff nurse Velma Moore prepare a demonstration infusion device during the open house. University Hospital was the first hospital in mid-Missouri to offer the life-saving procedure to open blocked arteries. The lab is a building block of MU's strong cardiology program, which includes the only heart transplant program in outstate Missouri. Since 1989, MU surgical teams have performed 65 heart transplants.

Eric Adams photo



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