



Mizzou Weekly

Making the MOST
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April 12, 2001
University of Missouri-Columbia
The spring general faculty meeting will be at 3:30 p.m. April 18 in Keller Auditorium.



Rob Hill photo

GOING SOLO Richard Oliver, dean of health professions, says that the school's new independent status puts it in a better position to carry out its other goals and strategies for improving education and research.

A distinctive mission

ON ITS OWN
School of Health Professions gains independent status

Richard Oliver's dreams came true without the help of a genie. "We wanted our school to have more independence, greater

opportunities and a new name that better reflects our professional identity," says Oliver, newly appointed dean of health professions. "We got our three wishes."

In a historic decision for the School of Health Related Professions, the Board of Curators voted Dec. 14 to

change its name to the School of Health Professions. Since its formal organization in 1978, health related professions had been a unit within the School of Medicine. Now the "new" school enjoys the same independence as medicine and the Sinclair School of Nursing.

This is not a total

transformation, though. "Over the years, we've gained more and more autonomy," Oliver says. "We have our own faculty council representative, and our own promotion and tenure guidelines. There were lots of things we developed that were critical ingredients to getting to where we are today."

The school is the only one of its kind in the University of Missouri System, and modifying its name reflects a more professional standing, says Oliver, who has been the school's director since 1986.

"The professions we teach are defined by their distinctive missions, not by their relationships to other professions," he says. "Our professions are professions in their own right, representing those health disciplines that are not in nursing, medicine or vet medicine."

Bachelor's, master's and doctoral degrees are offered in the school's four departments: communication science and disorders, occupational therapy, physical therapy, and cardiopulmonary and diagnostic science with its programs of nuclear medicine, radiography and respiratory therapy. Descriptions of departments, along with degrees offered in each, are available at: www.muhealth.org/~shrp/docs/shrphome.html.

Oliver says that the new **See Independence on Page 5**

Surveying MU staff

EDUCATIONAL ASSISTANCE
Survey on educational needs of MU staff is coming soon

Attention, MU staff: The Provost's Office and the Staff Advisory Council want to hear about your educational needs and interests.

Watch your inbox in the coming days for an online survey that will ask what areas of study, courses and student services are most important to you. The Provost's Office will use the information in determining additional evening and other non-traditional offerings.

All benefit-eligible staff with e-mail accounts will receive a message that includes a link to the survey, which should take five to seven minutes to complete. Answers are optional and completely anonymous, said Linda Cupp, director of MU Direct: Continuing and Distance Education. MU Direct organized the survey on behalf of the Provost's Office and Staff Council.

"We've heard for years from staff that they're glad they have the educational assistance program available to them," said Paul Morris, council chair. "But they always say they wish they had more opportunities to take advantage of the money."

"Now is the time to speak up and tell us what you want in terms of educational opportunities," Morris said.

Staff members who don't have e-mail addresses will receive a paper version of the survey within the week. The deadline for completing the survey is April 27. Results should be available in May.

After completing the survey, click the "Submit Form" button at the end. If you encounter any technical problems, e-mail GhumanC@missouri.edu. If you do not receive the e-mail message or a paper version, call 884-3151.

Higher education heroes

GEYER AWARDS Honoring outstanding contributions to MU and to higher education

Each year, the MU Alumni Association and the University of Missouri award two Missourians with the Geyer Award for Public Service to Higher Education. The award recognizes outstanding contributions to MU and higher education in the state. The awards are named in honor of former state Rep.

Henry Geyer of St. Louis, who sponsored the original legislation that established the University of Missouri in 1839. The Alumni Association's Legislative Information Network Committee selects one public official and one citizen to receive the award each year.

At an April 10 dinner on campus, the 2001 Geyer awards were presented to former Missouri Secretary of State Bekki Cook and Al Hahn, founder and chairman of MUPAC.

Hahn, a retired professor of veterinary medicine and surgery

at MU and the founding member of the MU Political Action Committee, was recognized with the citizen award for his many contributions to MU's legislative advocacy efforts over the past 20 years.

He got together with other faculty members, staff and students to form the Higher Education Rescue Operation in the 1980s, a grass-roots operation that helped to save the University from more budget cuts. In 1988, it transformed into a not-for-profit political action committee known as MUPAC.

The 2001 award for public

official this year was presented to Bekki Cook, former secretary of state of Missouri. As the state's highest election official, one of Cook's highest priorities was to increase voter participation and information. She has demonstrated particular commitment to promoting voter registration among MU students.

Cook worked closely with ASUM to make sure that students were able to register and on several occasions came to campus and participated in voter registration activities. She kicked off a campus voter registration drive before the November elections.

The state of MU

The spring general faculty will be held at 3:30 p.m. April 18 in Keller Auditorium in the Geological Sciences Building. Russ Zguta, chair of Faculty Council, will give

a report from the council. Chancellor Richard Wallace will report on issues that include the University budget, the MU Health Care System and the grievance process. Following the meeting, there will be a reception in the auditorium foyer.



Brain waves and disappearing ink

It may sound like pure science fiction, but its German inventors insist that, in theory, the technology exists to create a newspaper that offers not just words but taste, smell, sound and touch – all beamed directly into the brain.

Their prototype, called the Neurotransceiver, won best of show in the 2001 Tomorrow's Newspaper Design Contest. It would use radio waves and a laser interface, and a consumer would use a hand-held appliance to select a news story and make a connection –

complete, where applicable, with all sensory elements – directly to the brain.

The international contest is co-sponsored by the Harte Chair at the School of Journalism and by the Society for News Design Foundation. The contest invites entries that use design to solve problems or offer opportunities for the news industry.

E-ink, already under development by Xerox and MIT, underlies both professional and student division winners in this year's contest. Each prototype incorporates a transmitter into a paper product. An electronic

charge then makes the E-ink change shape, thus "erasing" and updating the image.

MU student winners think their E-ink idea would mean extra revenue because ads could be run by space or by time. Their paper also would use fuzzy logic to offer readers personalized content based on frequently visited sites or keywords.

This diamond is forever

WHO'S ON FIRST?

MU turf researchers building one-of-a-kind outdoor classroom

If you build it, they will come" goes the memorable line from the baseball movie, *Field of Dreams*.

MU turf grass researchers will test that theory. A state-of-the-art infield diamond is now under construction at its research facility at the South Farm.

The goal is to draw students learning the profession of sports field management.

The diamond, on par with the

playing surfaces used by professional teams such as the St. Louis Cardinals, will provide the only working laboratory in the country for students seeking careers in this area, said Brad Fresenburg, turf research associate in horticulture.

"No one in the country, to my knowledge, has a full-size infield like this for teaching," he said. "This will be an outdoor classroom for us. We can show students just about everything."

The laser-graded diamond is being installed free by MJM Services of Belleville, Ill., a company that installs sports fields and golf courses. The firm

installed two Bermuda grass practice fields for the Mizzou Tigers football team.

In research, as much attention will be paid to the study of skinned infield soils as to the lush green grass diamond.

"Seventy-five percent of the baseball game is played on infield dirt," said Chad Follis, a graduate student from Fredericktown, Mo. "You have the pitcher's mound, batter's box and base paths. To date, there has not been much research generated on infield (soil) mixes."

The field will be nearly pool-table level. It will have one-half of 1 percent grades on four planes around the pitcher's mound. A laser beam is shot across the field and picked up by an electronic eye on a tractor. That controls the valves for a blade on the tractor.

"We don't touch the controls," said Mike Munie, MJM Services owner. "When we did the two MU football practice fields, we laid a No. 2 pencil on the far end and you could lay down and see the pencil from 300 feet away. We were within a hundredth of a foot."

"No one in the country, to my knowledge, has a full-size infield like this for teaching," he said. "This will be an outdoor classroom for us. We can show students just about everything." — Brad Fresenburg, turf research associate in horticulture.

A playing surface must be firm and playable yet workable so that cleats can dig in for traction. "Safety and playability are the main things we look for on

skinned infield areas," Fresenburg said.

While the infield diamond will be "baby" Bermuda grass, the aprons will be planted in a turf-type tall fescue, he said. Bermuda grass holds up better and can be mowed to five-eighths of an inch for a better playing surface.

MU is considering replacement of the bluegrass on its diamond at the infield of Simmons Field, home of the baseball Tigers, with "baby" Bermuda grass.

In addition to installing the infield diamond, MU researchers plan to add research plots nearby to test different soil blends. Mixtures will include combinations of round and sharp sand, silt and clay from native soils and calcined clays.

"It's possible that the MU baseball team may come over and use the field," Fresenburg said. "That's been discussed. It would relieve their game field from excessive wear and allow us to look at wear patterns to teach field maintenance."

MIZZOU

Parking & Transportation Services
Turner Avenue Garage
Level 2
882-4568

Please call our office at 882-4568 or email us at UMCparking@missouri.edu to tell us about your "favorite" pothole or areas that need to be striped. We're making a list in preparation for summer repair.

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

THE GRADUATE SCHOOL OF PUBLIC AFFAIRS
UNIVERSITY OF MISSOURI-COLUMBIA

CORDIALLY INVITES YOU TO HEAR THE

2001 MONROE-PAINE
DISTINGUISHED LECTURE
IN PUBLIC AFFAIRS

MARY JO BANE
THORNTON BRADSHAW PROFESSOR
OF PUBLIC POLICY AND MANAGEMENT
JOHN F. KENNEDY SCHOOL OF GOVERNMENT
HARVARD UNIVERSITY

"FAITH-BASED ORGANIZATIONS
AND PUBLIC OBLIGATIONS TO THE POOR"

THURSDAY, APRIL 26, 2001
3:30 TO 5:00 P.M.
REYNOLDS ALUMNI CENTER
COLUMNS A & B

RECEPTION IMMEDIATELY FOLLOWING
IN THE T.O. WRIGHT ROOM

MizzouWeekly

Volume 22 No. 27
A publication for the faculty and staff of the University of Missouri-Columbia, published every Thursday during the academic year and twice a month during the summer by Publications and Alumni Communication, a department of University Affairs, 407 Reynolds Alumni and Visitor Center, 882-7357. News deadline is noon Thursday the week before publication. Annual subscriptions are available for \$25.

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Helping create a miracle

Is your garage or basement bursting at the seams? Here's a way you can get rid of all those unwanted items and help out a good cause at the same time: donate all that unused stuff to the Children's Miracle Network benefit garage sale.

The sale will be held April 20 and 21 at the Boone County Fairgrounds. Donated items can be dropped off at the fairgrounds after 4 p.m. April 19, or you can arrange for pick up by calling 256-8914 or 882-5898. Sorry, no appliances.

And, once you clear out a little space at home, you might want to visit the garage sale

and check out all the bargains on furniture, books, toys, clothing and more. The sale runs from 7 a.m. to 4 p.m. April 20 and from 8 a.m. to noon April 21.

All proceeds from the sale benefit the Children's Miracle Network. The funds are used locally at MU's Children's Hospital to purchase equipment, promote research or fund programs such as the Child Life Program, which is designed to take the "scary part" out of a hospital stay.

Hot off the press

Did you know you can ship your copy for printing jobs

electronically to Printing Services without stepping foot outside your office? Or that Campus Mail has a new ink-jet addressing system that means you don't have use those ugly stick-on labels anymore?

These two units of Business Services are holding a half-day seminar for University employees to update the campus on new technology and equipment that will make everyone's life a little easier. The event will be held from 9 a.m. to noon April 24 at the Reynolds Alumni Center.

Representatives from Printing Services and Campus Mail will give an overview of

each department and will be available to answer any questions. Ron Feilner, supervisor of Campus Mail, will provide a preview of possible upcoming changes in U.S. Postal Service rates to help campus departments get a headstart on budgeting for next year.

There will be refreshments and door prizes, and you can register to attend online at www.ps.missouri.edu.

High profile issue

Racial profiling has filled the national headlines in recent months. As part of its Hispanic/Latino Awareness

Series, MU's Office of Multicultural Affairs is sponsoring a panel discussion on racial profiling at 6 p.m. April 17 at Tucker Forum in Gannett Hall.

Panelists for the discussion will be: Michael Middleton, deputy chancellor and professor of law; Daniel Hernandez, founder of the Latino Peace Officers Association of Greater Kansas City; Zaki Baruti, chair of the Missouri State Coalition Against Police Repression and Racial Profiling; and Randy Boehm, chief of the Columbia Police Department.

Three million and counting

HEART OF THE UNIVERSITY

Mu Libraries celebrates dedicated service of staff by adding the three millionth volume to the libraries' collections

Members of the University and Columbia communities joined with staff of MU Libraries to celebrate a milestone week. At an April 4 celebration in the Reynolds Alumni Center, MU Libraries celebrated the addition of its three millionth volume to the libraries' collections.

The libraries' collections at MU passed the two million mark in 1980 with little fanfare. "The size of a collection used to be the hallmark of the quality of a collection," said Martha Alexander, director of MU Libraries. She noted that with the explosion of information technology, libraries no longer have to have hard-copy volumes of books to make them available to patrons.

"However, the vast majority of the world's knowledge is in print format," and much of that knowledge will never be transferred to an electronic format, Alexander said. "The size of the collection is still an important criterion on which we are measured."

The event last week, held during National Library Week, also celebrated the contributions that the staff of MU Libraries have made to the libraries' growth and success.

As president of the Friends of the Libraries, Sandra Davidson, associate professor of journalism, lauded the service of libraries staff. "MU Libraries are the heart of the University, and you are the energy that keeps that heart beating," Davidson told

staff members.

The three millionth volume, *The Navigator*, was published in 1817 by Zadok Cramer, a Pittsburg bookbinder, seller, publisher and author. *The Navigator* is a compilation of travelers' journals and reports.

The book resulted from an original idea of Cramer's to supply information to immigrants who needed solid facts about the lands to which they were heading and navigation of the rivers that would take them there.

In all, 12 editions were published between 1801 and 1824, and the works were followed by many imitators who openly plagiarized or leaned heavily on Cramer's book for information.

Addition of *The Navigator* is especially significant, as the volume contains excerpts from the Journal of Patrick Gass, a member of the Lewis and Clark expedition.

Cramer's account of the

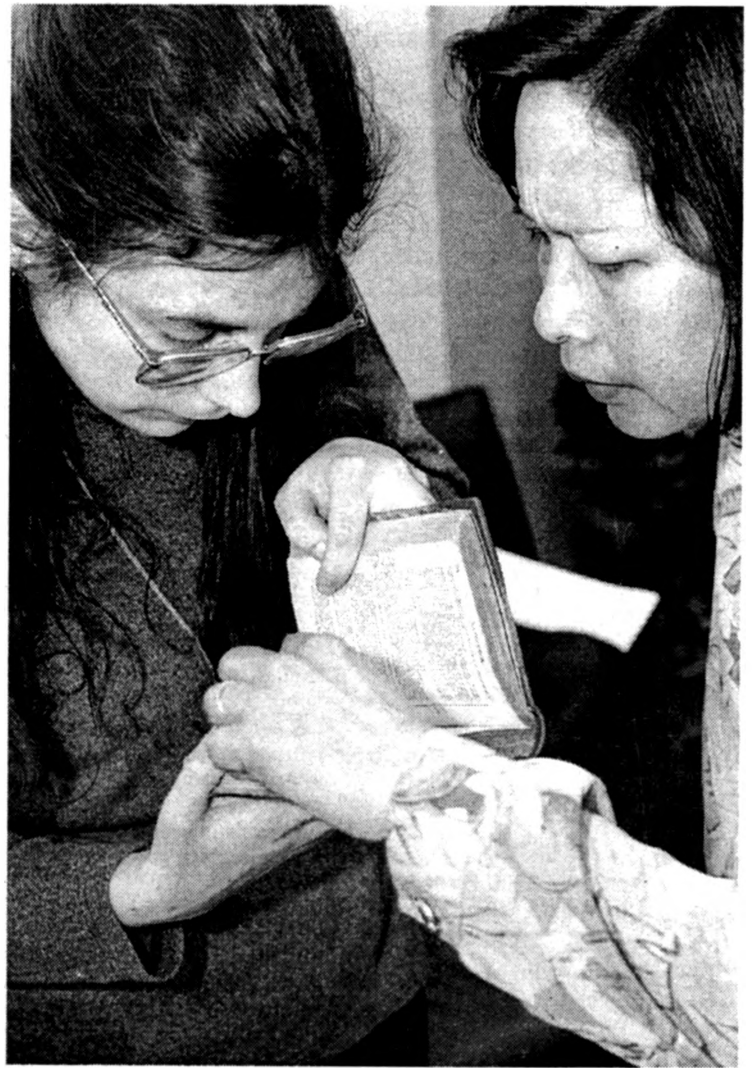
expedition first appeared six years before Lewis and Clark's own account was published.


Acquisition of *The Navigator* was made possible by the contributions of family and friends to the Ruth C. Ellis Memorial Fund and monies from the Dr. Elmer Ellis and Ruth C. Ellis Fund. Mrs. Ellis, wife of the late UM President Emeritus Elmer Ellis was an ardent supporter of the libraries and its mission. Ellis Library was named in honor of Elmer Ellis.

MILESTONE CELEBRATION


MU Libraries staff members Rachel Brekhus, left, humanities reference librarian, and Chantana Charoenpanitkul, head of retrospective cataloging, examine a rare 1817 edition of *The Navigator*. It was recently added as the three millionth volume in MU Libraries' collections.

Steve Morse photo



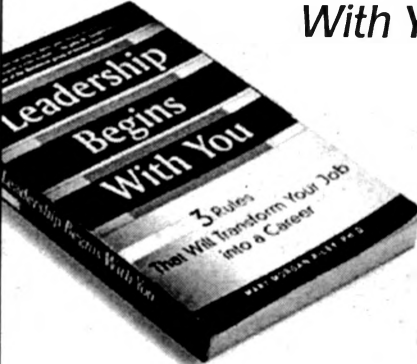


Meet Alumnus
Mary Morgan Riley, Ph.D.



Friday
April 20
2-3 pm

as she signs
Leadership Begins With You




Mary Morgan Riley, whose Ph.D. in management was mentored and advised by Peter Drucker, runs the Santa Rosa, California-based consulting firm Pacific Management Group. The author of *Corporate Healing*, she teaches leadership and team building in MBA courses and to management groups across the country. Her 3 rules can transform your company – and your career. Rule 1 "Everyone Contributes", Rule 2: "No put-downs", Rule 3: "Keep all agreements". Come meet Mary on April 20th and learn more about the difference between an average employee and an effective manager.

University Bookstore

Main Level Brady Commons 882-7611 TDD: 882-3985 www.mubookstore.com
Open Monday - Friday: 8-7, Saturday: 10-6, Sunday: Noon-6

A University owned and operated bookstore where all profits go toward MU student services, programming and facilities. Serving the Mizzou community since 1899.

REGALIA REMINDER



Rental orders for Commencement are due by **April 17th**.
Questions? Call 882-8042.

calendar



Concerts & Plays

Monday, April 16

FACULTY RECITAL: The Missouri Quintet will perform at 8 p.m. in Whitmore Recital Hall.

Wednesday, April 18

MIDDAY GALLERY EVENT: The Show-Me Opera, under the direction of Eric Dillner, assistant professor of music, will perform "A Celebration of American Music" at 12:15 p.m. in the Museum of Art and Archaeology. This lunchtime concert will feature classic vocal music by American composers.

FACULTY RECITAL: Sara Langmead and Bill Gibson will perform a piano duet at 8:30 p.m. in Whitmore Recital Hall.

Courses & Workshops

Tuesday, April 17

SENIOR DRIVING COURSE: A "55 ALIVE" Driving Refresher Course for seniors 55 and older will be held at 8:30 a.m.-12:30 p.m. at the Columbia Regional Health Pavilion. Registration required, call 882-4743. Fee: \$10, \$5 discount for Senior Class members.

Wednesday, April 18

NEW EMPLOYEE ORIENTATION: Open to all new benefit-eligible staff from 1:30-5 p.m. in N201/202 Memorial Union. Employee orientations will also be held in S203 Memorial Union from 8:30 a.m.-noon May 2 and 1:30-5 p.m. May 16.

FIRST AID & CPR

WORKSHOP: "Adult First Aid/Cardiopulmonary Resuscitation" will be held today, May 2 and June 6 from 8:30 a.m.-3 p.m. in the Environmental Health and Safety building in Research Park. Registration is required, call 882-7018.

Thursday, April 19

HUMAN RESOURCES WORKSHOP: "Managing Negativity and Stress" will be held from 8:30 a.m.-noon in S203 Memorial Union. Registration is required, call 882-2603.

RADIATION SAFETY

WORKSHOP: "Radiation Safety at MU: Update" will be held today and May 17 from 1-3:30 p.m. in the Environmental Health and Safety building in Research Park. Registration is required, call 882-7018.

Conferences

Wednesday, April 18

JOURNALISM CONFERENCE: "Lee Hills Legacy: Journalism, Community, Philanthropy" begins today and continues through April 20 in the Reynolds Alumni and Visitors Center. The late Lee Hills was a MU journalism alumnus who had a distinguished career as a newspaper executive with the Knight-Ritter newspapers. An endowed chair in free press studies at MU is named in his honor. Participants in the three-day conference include MU journalism faculty and journalists from around the world. For a complete list of speakers and events visit www.jour.missouri.edu and click

on the news and events. Stuart Lory, professor of journalism, will present the Lee Hills Lecture at 12:15 p.m. April 19.

Exhibits

GEORGE CALEB BINGHAM GALLERY: Art work by graduating seniors in the art and fine arts programs, will be on display through April 20. Bingham Gallery, located in the Fine Arts Building, is open Monday-Friday from 10 a.m.-4 p.m.

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 from 9 a.m.-4 p.m. Monday to Friday.

MUSEUM OF ART AND ARCHAEOLOGY:

Special Exhibits:
 ♦ "Prints from Rubens's Medici Cycle" is on display through May 20.
 ♦ "Revolutionary Visions" is on display through June 17.
 ♦ "Wrapped Creatures: Animal Mummies from Egypt" is on display through August.
 ♦ "Testament of Time: Antiquities from the Holy Land" is on display through Aug. 12.
 ♦ "Tradition and Change: Art From Oceania" is on display.

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.

STATE HISTORICAL SOCIETY:
 ♦ "Rush to the Rockies: Pike's Peak or Bust!" an exhibit of early 19th century publications that recorded the opening of the American West, is on display in the gallery through April 15. The gallery is open from 8:30 a.m.-4 p.m. Monday-Friday and is closed on Saturday.

♦ Lithographs from artist Ben Messick are on display in the north-south corridor.
 ♦ "St. Louis Post-Dispatch Editorial Cartoon Collection: The 1940 Election Trail" is on display in the east-west corridor.
 The corridors are open from 8

a.m.-4:30 p.m. Monday-Friday and 9 a.m.-4:30 p.m. Saturday.
UNIVERSITY ARCHIVES: The University Archives offers a number of online exhibits that document the history of MU. Links to the archives' exhibits are located at www.system.missouri.edu/archives/exhibitlist.html

Lectures & Seminars

Thursday, April 12

INTERNATIONAL AFFAIRS SEMINAR: Andrew Twaddle, professor emeritus of sociology, will present "Comparisons of Medical Care System Reform Around the World" from noon-1 p.m. in S16 Memorial Union.

NEUROSCIENCE SEMINAR: Philip Jen, professor of biological sciences, will present "Does Increasing Pulse Repetition Rate Improve Hunting by Insectivorous Bats?" at 3:30 p.m. in Acuff Auditorium, MA 217 Medical Sciences Building.

NUTRITIONAL SCIENCES SEMINAR: Michael Petris, assistant professor of nutritional sciences, will present "Functional Analyses of the Menkes Copper Transporting P-Type ATPase" at 4 p.m. in 209 Gwynn Hall.

Friday, April 13

SENIOR SEMINAR: Pradeep Sahota, associate professor of psychiatry and neurology, will present "Sleep Problems" at 10 a.m. in the Columbia Senior Center, 1121 Business Loop 70.

FORESTRY SEMINAR: Ben Grossman, graduate student in forestry, will present "The Effect of Acorn Size, Weight, and Early Seedling Growth on the Morphology of RPM Swamp White Oak Seedlings after One Growing Season" at 3 p.m. in 210 Anheuser-Busch Natural Resources Building.

Monday, April 16

SOIL AND ATMOSPHERIC SCIENCES SEMINAR: Mustafa Coskun will present "Upper Tropospheric Short-Long Wave Interactions with Related Surface Cyclones" from 4-4:50 p.m. in 123 Natural

Resources Building.
Tuesday, April 17
EDUCATIONAL TECHNOLOGIES SEMINAR: David Jonassen, professor of information science and learning technologies, will present "Computers as Mindtools" from noon-1:30 p.m. in 266 Heinkel Building.

BIOLOGICAL SCIENCES SEMINAR: Lilianna Solnica-Krezel from Vanderbilt University will present "Genetic Mechanisms of Gastrulation in Zebrafish" at 3:30 p.m. in 18 Tucker Hall.

HORTICULTURE LECTURE: Jim Miller, an authority of medicinal plants and director of applied research at the Missouri Botanical Gardens, will present "Nature's Pharmacy: The Search for Medicinal Plants" at 7 p.m. in the Conservation Auditorium in the Natural Resources Building.

Wednesday, April 18

BIOLOGICAL SCIENCES SEMINAR: Ebony Courtney, master's student in biological sciences, will present "Suppressor of Plant Blotching1: a Modifier of the Maize P1-Blotched Gene" at 2:30 p.m. in 115 Tucker Hall.

Thursday, April 19

INTERNATIONAL AFFAIRS SEMINAR: Colin and Kathy South, educators and representatives for the Friends United Meeting in Palestine, will present "Life on the Line: American Palestinian Students at Friends Schools in Remallah" from noon-1 p.m. in S16 Memorial Union.

NUTRITIONAL SCIENCES SEMINAR: David Robertson, professor of chemistry, will present "Copper, Iron and Zinc in Alzheimer's Disease Senile Plaques" at 4 p.m. in 209 Gwynn Hall.

Meetings

Thursday, April 12

STAFF ADVISORY COUNCIL: The Staff Council will meet today from 1-3 p.m. in S206 Memorial Union. Additional meetings will be held on April 26, May 10 and May 24.
FACULTY COUNCIL: The council will meet at 3:30 p.m. in S203 Memorial Union.

Special Events

BOOKSTORE EVENT: Best-selling author Brian Jacques, the creator of the Redwall series of children's books, will be signing his books and discussing his newest novel, *Castaways of the Flying Dutchman*, from noon to 2 p.m. at University Bookstore.

Tuesday, April 17

HEALTH SCREENING: A glucose screening will be held from 1-5:30 p.m. at the Health Information Center in Columbia Mall.

Thursday, April 19

DONATION DRIVE: The Children's Miracle Network will be collecting donations for the annual benefit garage sale after 4 p.m. at the Boone County Fairgrounds. Arrange for pickup by calling 256-8914 or 882-5898. Appliances will not be accepted.



General Stores "Spring"

BLOW-OUT SALE

A 100% Recycled Multi-Purpose Sheet



For Use In:

- Copiers
- Laser Printers
- Plain Paper Fax
- Inkjet Printers

Now: \$1.71/ream

- Great for general office use
- Compare this to virgin paper & SAVE BIG!!

Was: \$1.96/ream
Stock #0532

Garage Sale Classifieds

Only \$7.50 for 30 words.

11,000 copies of Mizzou Weekly are distributed every Thursday to faculty, staff and retirees.



Ads are due by Thursday at noon one week prior to publication. Please include a check made payable to University of Missouri and send to Jessica Pinney, Mizzou Weekly, 407 Reynolds Alumni and Visitor Center, Columbia, MO 65211.



"Bringing Commitment to a Higher Excellence"



Making the MOST of opportunities

COST CONSCIOUS Savings plan can ease worries about college expenses

University faculty and staff are not immune from worries about the challenges of saving for their children's college education. Fortunately, the state of Missouri offers its citizens one of the most highly rated tuition savings

programs in the nation.

The Missouri Saving for Tuition Program, or MOST, enables families to begin saving for a student's college education for as little as \$25 a month, or \$30 with the payroll deduction option.

MOST is a tax-favored higher education savings program that allows a parent, grandparent, relative or friend to open a savings account for a beneficiary.

The savings can then be used towards qualified expenses including tuition, books and supplies at colleges, vocational and technical schools and other eligible post-secondary institutions anywhere in the country.

Here are some answers to some of the most frequently asked questions about the program:

◆ Missouri offers one of the most highly rated tuition savings program in the nation. This program is available to University of Missouri employees.

◆ The Missouri Saving for Tuition Program, or MOST, is a flexible higher education savings program available to anyone. Participants need not be Missouri residents.

◆ MOST enables families to begin saving for college education with as little as \$25 monthly, or \$30 with the payroll deduction option available through the University of Missouri.

◆ MOST allows a parent, grandparent, relative or friend to open a savings account for a beneficiary. The savings can then be used towards qualified expenses including tuition, books and supplies at colleges, vocational/technical schools and other eligible post-secondary institutions anywhere in the country.

◆ All earnings on contributions are exempt from Missouri state taxes if used for the qualified higher education expenses of the beneficiary and are not subject to federal income tax until withdrawn. Once the

money is withdrawn and used for qualified higher education expenses, it is taxed at the beneficiary's rate, which is often lower than the tax rate of the account owner.

◆ Missouri taxpayers can deduct up to \$8,000 in contributions to the MOST program annually from their Missouri adjusted gross income.

◆ To enroll in MOST or to request more information on the program contact the MOST administrator at 1-888-414-6678 or visit the MOST website at www.missourimost.org.

◆ the requestor a packet of information, including a payroll deduction form and an enrollment form.

◆ University employees who choose the payroll deduction option must complete two originals of the payroll deduction form. The completed enrollment form and one copy of the payroll deduction form must be returned to the MOST administrator.

◆ The second payroll deduction form should be sent to the employee's campus payroll office. The payroll office must have an original signature to process the payroll deduction request, so copies of the deduction form are not accepted.

Get Connected to **MU Communicator**
Your News Source for Computing and Telecommunications at MU

Volume 31 • Issue 4 April 2001

New CBT Courses Arrive on MU Campus

Out with the old and in with the new. This is no April Fool's joke: Over 180 new Computer-Based Training (CBT) courses have arrived, with an expanded range of topics including business, end-user and technical titles.



E-Mail for Everyone

Imagine your life without e-mail. What if you did not receive notification about that important meeting? Or worse, what if you did not receive your monthly issue of the MU Communicator?

What's Inside Your PC?

Do you know the make and model of your computer's microprocessor? How about the kind of graphics card it has? How much random access memory is installed? What about the size of its hard drive? Do you care?

How to Erase Everything From Your PC

It's probably a sure bet that you would not throw out a wallet or purse stuffed with money and credit cards. So why would you donate that old PC packed with potentially dangerous information?

Grooming Your Computer

Cleaning the delicate electronics of our computers doesn't take a brain surgeon, but there are some easy how-to-do-it basics. By following these simple grooming steps, you can help to prolong the life of your computer (and save yourself some money).



PhotoChops: Previewing Web Images Across Platforms Using ImageReady

Images created on a Windows platform will often appear darker in the midtones than when viewed on a Macintosh.

Ask the Help Desk

I'm a TigerLink subscriber. Is there any way I can check how many connection hours I have logged? Also, what happens if I forget to hang up?



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INDEPENDENCE from Page 1

independent status gives the school more voice, visibility and opportunities for securing outside funding.

In what might be described as the best of both worlds, he now has direct linkages to both the vice chancellor for health affairs and the provost's office. "We can deal directly with the issues that are unique to us and are more likely to get attention for some things that concern us," he says

Because the school stands on its own, it has greater visibility in the system and with the external audience, as well. "Before, you had to know we were in the School of Medicine in order to find the right web page or the right part of the catalog to get to us," Oliver says.

A significant advantage of going solo, however, is that the school is now eligible for National Institutes of Health funding it could not receive while it was part of the School of Medicine. "It is hard to raise money if you aren't seen as an independent recipient," Oliver says. Along these lines, he says that health professions will step up its development efforts in order to get better facilities, assistantships to support its students, and to improve its-teaching and research operations.

The school's new five-year plan calls for expanding or creating master's and doctoral

degree programs for all of its students. To accomplish this, the school will add to its 60 faculty, research and support staff members. Postgraduate training in new specialty areas and continuing education that is required to maintain licensure will be offered, too.

The latest addition to the school's programs came in January with the launch of a certificate program in diagnostic medical ultrasound. A five-year master's program in physical therapy was created, and its first class will graduate in May.

"We've always done a great job of preparing practitioners for the market place," Oliver says. "Our stats show that 60 percent of our graduates stay in Missouri. That's been the driving force for some of our programs. Our disciplines are maturing, and it's time to distinguish ourselves through research."

Having its own academic standing allows the school to partner with equally autonomous institutions, both on and off campus, to promote interdisciplinary research and teaching opportunities, Oliver says.

"We want to become known nationally as a school of health professions that is training researchers and educators; a place that is known for an impressive array of scholarly activity."

SAM Coming Soon

Subterranean sleuth

TERMITE TIME MU urban entomologist is studying the underground foraging habits of termites

You can't see them, but they're out there just the same. An army of hidden invaders poised to attack your hearth and home. Well, not your hearth actually. This army is only interested in wood – or anything containing cellulose – like the walls and framing of your house.

We're talking termites here, and each year this insect army exacts an economic toll that costs Americans billions of dollars. Richard Houseman is MU's point man in the scientific counterattack against these invaders. As an urban entomologist he's an expert on the insects found in human environments.

Urban entomologists focus on what Houseman calls "the big three." Roaches, ants and termites make up this insect trinity. "We know more about cockroaches and ants," Houseman explains, "mainly because termites are cryptic; they're hard to observe because they're underground."

His research looks at the foraging behavior of termites – how they find their food. One technique is to observe termite colonies in what are called "tunneling arenas." These arenas look something like large ant farms – half-meter square panes of glass that enclose a thin layer of soil.

Houseman puts a colony of termites into an arena and watches their tunneling activity: the patterns they make when tunneling, the angles at which tunnels branch off, and how fast

they can excavate. He's also watching to see if they make a beeline for bait he places in each arena: sections of wooden tongue depressors.

"Termites are blind, they have no ability to see. They don't have any eyes or light-sensing organs, and they don't really need them because they live underground," Houseman explains. "What I'm trying to understand is how they navigate, whether they systematically search their area or blindly bump into things."

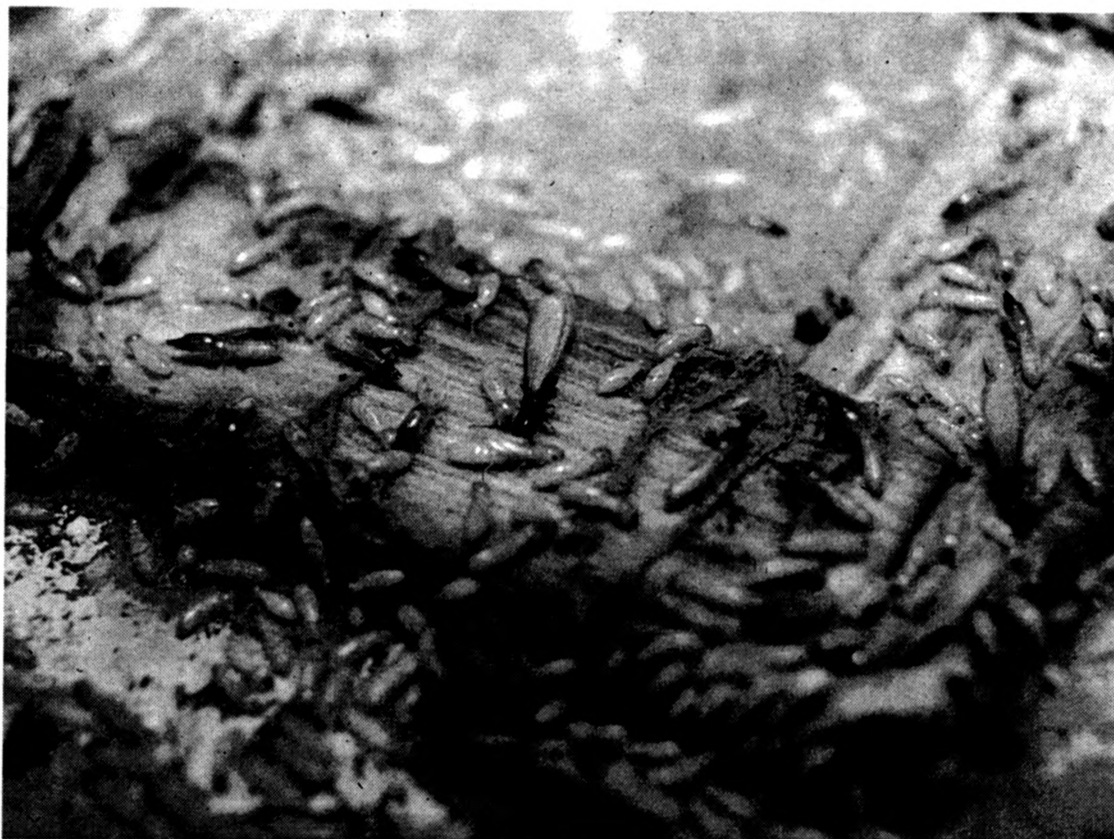
Not only is he trying to understand where the termite tunnels are, but whether he can predict where they will be. That's important, because in recent years, bait traps are being used more and more to control these pests. But termites have to find the chemically-laced traps first before they can work.

Listen to Houseman talk very long about termites and it's clear that he's clearly fascinated with these insects the size of a rice grain. He started his doctoral program at Texas A&M thinking he'd do research on wasps that parasitize cockroaches.

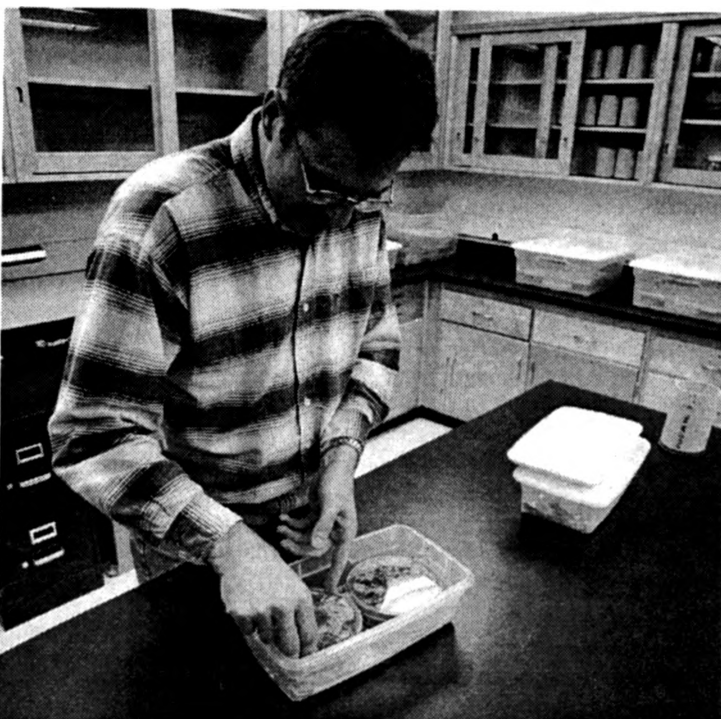
"There were a couple of termite projects going on in the lab," Houseman says. "I started reading some books on termites, and I forgot about the idea of working with cockroaches altogether."

What is it that fascinates him about these critters that others find so repellent? Their social behavior, for one thing. Termite colonies can easily top one million individual insects. Unlike bee or ant colonies, which are female dominated, termite colonies have both a king and a queen. They also have worker and soldier termites that can be either male or female.

"Termites have a very plastic



Richard Houseman photo



Steve Morse photo

GNAWING CURIOSITY As an expert on termites, Richard Houseman, left, knows that these tiny insects can be formidable adversaries when it comes to protecting our homes from their onslaughts.

INSECT CONDOS Plastic boxes, above, in Houseman's lab are stacked with petri dishes containing termite colonies that he's lured to his outdoor traps with the ultimate termite bait: corrugated cardboard.

a colony from invasions by ants and other predators.

Soldiers don't feed on wood, so they have to be fed by the workers. Colony members share food – either mouth-to-mouth or mouth-to-anus. In fact, termites have to have help to digest their diets of cellulose. Tiny organisms called protozoa live in a termite's gut. These protozoa actually digest the cellulose and produce fatty acids as a waste product that feed the termites.

And termites, Houseman says, "are a formidable enemy. They have an ability to survive. They're pretty amazing in terms of getting into homes." The traditional line of defense is to lay down a chemical barrier around your home to keep termites at bay.

But occasionally they can breach these chemical barriers by bumping along underneath until they find a way through. They can locate gaps in a barrier the size of your index finger and infest a wooden building.

They'll also make a meal of books or cardboard boxes. "They'll eat anything that has cellulose. They can tunnel through the gypsum in Sheetrock and eat the paper coating off it," he says. "It's almost like an amusement park to them." And when they do

development," Houseman says. "A worker termite can become a soldier if the right environmental

cues are present in the colony." Soldier termites have larger heads and mandibles, and protect



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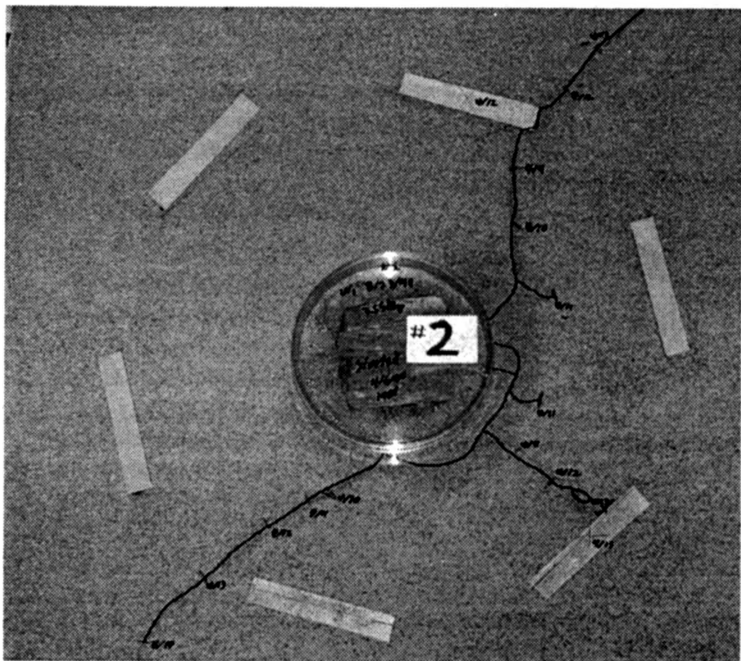
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Richard Houseman photo

ARENA ACTION "Tunneling arenas" like this one help researchers study whether termites wander randomly or make a beeline for food sources.

attack a home, termites bring mud up with them from the soil to keep their tunnel environment cool and moist.

In addition to laboratory tunneling arenas, Houseman gathers data in the field. He's building a 1,000-square meter observation area at MU's South Farm with more than a hundred monitoring stations – sections of plastic pipe buried in the ground and baited with corrugated cardboard.

But how can you tell one termite colony from another? One technique that Houseman uses is to feed a colony with dyed cellulose that stains their body fat a certain color. When he finds a blue or a red termite in one of his monitoring stations, he knows which colony they came from.

In earlier studies, some researchers actually fed irradiated cellulose to termites, and then tracked their tunneling activity above ground with Geiger counters.

Through his extension work, Houseman provides his insect expertise to citizens and businesses all over Missouri. For example, he provides workshops for pest management companies to describe termite biology and behavior, explaining to these frontline troops exactly what they're up against.

They're up against plenty too. Here in Missouri, termites are everywhere. Take a stroll through your own backyard, for example. If it's an established neighborhood, with trees or dead wood piled around, "you're likely walking over termite tunnels that

connect their feeding sites," Houseman says.

"Termites do have an evolutionary niche, and it's an important one, too – breaking down wood and recycling the nutrients back into the soil," Houseman says. "It just so happens that we build our houses out of the same materials that they're naturally adapted to decompose."

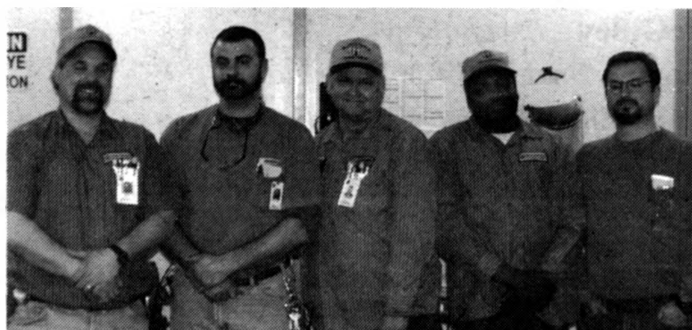
And, while termites will continue to outlast our eradication efforts, we can at least work to control their populations, Houseman says. "They'll be with us to stay. They're going to be happy wherever we are."

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DAY



Ag Campus: Rob Bryant, left, Jeff McCubbins, Mark Davis, Mick Twenter & Greg Kemp



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NIGHT



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Remembers

Students, Faculty, and Staff who have passed away since January 1, 2001

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Robert R. Danner - Philosophy
 Kevin L. Fraser - Engineering
 Erin R. Grabowski - Undeclared
 Vivian "Leigh" Gramlich - Consumer & Family Economics
 Vanessa Guest - History
 Amy E. Jones - Biological Sciences
 Derek Kraybill - Engineering
 Matthew C. McGilley - Psychology
 Chris J. Messinger - Business Administration
 Joshua B. Meyer - Environmental Design
 William S. Miller - Business Administration
 Daniel B. Mothershead - Agricultural Journalism
 Redford Michael Perrine - Art
 Nathan R. Plaster - Nursing
 Candice M. Richie - Political Science
 Ray L. Rucker - Animal Science & Computer Science
 Damon T. White - Political Science

Faculty

Philip Anderson - Medicine
 Walter Keller - Geology
 Richard Klepac - Theatre
 Mary Lago - English
 Lloyd Wells - Political Science

Staff

Thelma Crane - Planning, Design & Construction
 Elizabeth Kinder - Child Health
 Terrence L. Lester - Theatre
 Dorothy Maynard - Cashiers/Payroll
 Joe McCutchen - Planning, Design & Construction
 Robert Wardin - IAT Services

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