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MizzouWeekly

**Space Race**

Nearly 2,200 St. Louis-area students attended *Mizzou Magic* Space Day at the St. Louis Science Center.

Page 6**Formidable Fungus**

Do logging practices help fungi eat away our forests?

Page 2**March 8, 2001**

University of Missouri-Columbia

Strategy Session

Staff are invited to discuss MU's strategic plan.

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Reintroducing Harlem's poet

UNCENSORED First-edition works of Missouri-born Langston Hughes are being published by the University of Missouri Press

In the 40-odd years between his first book in 1926 and his death in 1967, James Langston Hughes established himself as one of the most original, prolific and versatile black writers of the 20th century. His literary credits add up to 16 books of poems, two novels, three collections of short stories, four volumes of editorial and documentary fiction, 20 plays, 12 children's books, musicals and operas, three autobiographies, a dozen radio and television scripts, dozens of magazine articles and more than 20 years worth of newspaper columns. In addition, he edited seven anthologies.

The University of Missouri Press has located first editions of all Hughes' works to use in preparing a collection in a uniform format. *The Collected Works of Langston Hughes* will fill 16 volumes. The first four —

three books of his poems written between 1921 and 1967 and one book of his novels — will be available in June. The entire set will be completed in 2002, in time to celebrate the 100th anniversary of Hughes' birth in Joplin, Mo.

"So much of his work, particularly that published posthumously, was edited, changed and cleaned up," says Beverly Jarrett, the press' director and editor in chief. "We argue that he would not have approved of this, because that was so much a part of him that he was unashamed of and did not want disguised," she says. "By going back to the original editions, we are making available the words as he wrote them and as he chose to see them last in history."

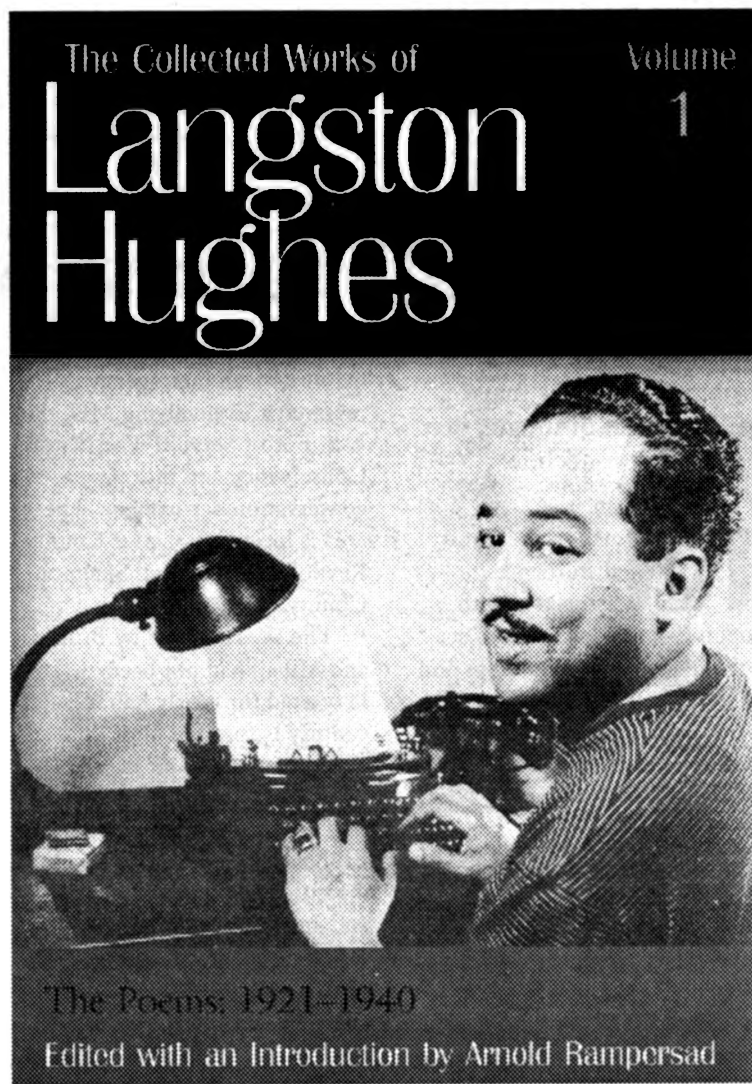
The collection will be an outstanding contribution in "promoting the memory and the work of one of the most outstanding writers produced by the state of Missouri in modern world history," says Julius Thompson, director of black studies, a Hughes scholar and himself an author and award-

winning poet. "His work helps to document the richness, and the social, political and cultural diversity of the black experience in America."

Influenced by Paul Laurence Dunbar and Carl Sandburg, Hughes started writing poetry in the eighth grade. It was in the 1920s — when he discovered the cultural life of Harlem, N.Y., and an outburst of creativity among African Americans in all fields of art — that he developed and flourished as a writer.

This cultural movement was called The New Negro Movement, later known as the Harlem Renaissance. Hughes was a central figure among the best of the movement's circle of scholarly writers that included Jean Toomer, Arna Bontemps, James Weldon Johnson, W.E.B. Du Bois, Claude McKay, Zora Neal Hurston, Nella Larsen, Countee Cullen, Jessie Redmond Fauset and Alain Locke.

Using freedom, liberty and equality as central themes, Hughes was able to invoke the spirit and challenges of the black masses, Thompson says. "This is

See Hughes on Page 3

UNIFORMITY *The Collected Works of Langston Hughes* is being printed in a uniform format, with each volume numbered and containing an editorial introduction, a chronology of his life and annotated text.

ET@MO= a new arsenal of teaching tools

DISTRIBUTING EDUCATION

Learning experiences no longer are limited to the traditional classrooms and lecture halls

According to the Gartner Group, an information technology research analysis firm, increased competition will push 80 percent of traditional higher education institutions in the United States to deliver 60 percent of undergraduate content through distributed learning by 2003. To prepare for this eventuality, an increasing number of institutions are reorganizing and merging existing technology and instructional support units to serve the needs of their distributed learning programs.

MU is no exception. Distributed education encompasses a range of educational delivery, says Dale Huffington, director of Educational Technologies at Missouri (ET@MO). "It includes occasions when the teacher, in face-to-face classes, uses electronic class discussion to promote more student interaction; or a web site for online course materials as well as full distance education, where both the teacher and students are separated by time and space."

He says that educational technology does not deny the value of any kind or style of teaching. Instead it provides an arsenal of new tools that faculty can use to help students learn better, faster and to learn more.

"We help faculty use

educational technologies in whatever form is appropriate to help students," he says. They can be used to enrich course content or to help faculty and students communicate outside of the classroom by e-mail, videoconferencing or other forms of computer-based technology.

Students worldwide expect and demand options for electronic instruction, and MU can expect to see the integration of instructional technology increase, says Lori Franz, associate provost. "The course management tools of WebCt and CourseInfo allow the students to access information that makes them more efficient and effective learners. Soon they will come to expect these resources to be available in all their classes."

The first campuswide initiative to help faculty learn to use technology for their courses began with an ad-hoc faculty committee, named the MU Institute for Instructional Technology, or MUIIT. The committee, all volunteers, organized the first MUIIT institute in 1995, and Huffington says that it quickly gained administrative support for a small staff that supported many campus activities: colloquia, workshops, the SWAT team (students who assisted faculty with educational technology applications) and the summer and winter institutes.

MUIIT was part of the Program for Excellence in Teaching by 1998, when a task force commissioned by Provost Brady Deaton recommended bringing together campuswide resources supporting faculty

development and use of instructional technology.

Another initiative, the Distance Learning Design Center, started in 1995. "It was created in Extension to help faculty who were teaching distance education courses," Huffington says. The DLDC helped develop the first distance education degree programs offered by MU, and supported faculty using technologies that ranged from Powerpoint slides for satellite broadcasts, to fully online courses with specialized learning modules and automated quiz grading.

Those two units formed the core of a new entity, Educational Technologies at Missouri. In addition to core units, Huffington says, ET@MO brought together the leadership of the key support organizations

See ET@MO on Page 7

Calling all staff

Mizzou staff members are invited to an open discussion about MU's strategic plan from 3:30 to 5 p.m. March 15 in Memorial Union Auditorium. Chancellor Richard Wallace and the Strategic Planning Advisory Council want to involve all members of the University community in providing input for the planning process.

Three categories of questions will be addressed at the meeting: What should be the vision for MU over the next several years? What should be changed in our current strategic plan? Are there other

planning issues that need to be discussed? In addition to staff members, all faculty and students are invited to the meeting.

The strategic plan is available on the web at: web.missouri.edu/~uawww/strategicplan2000/

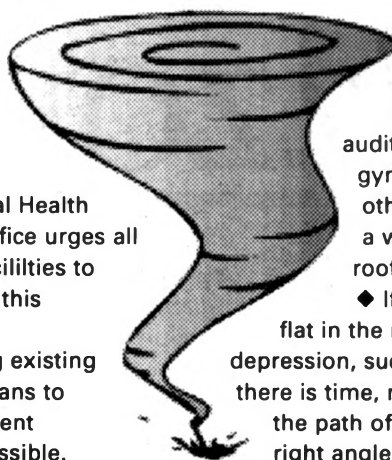
The siren's song

With tornado season right around the corner, the MU campus is taking part in an annual statewide tornado exercise Tuesday, March 13. The outdoor warning sirens will sound at approximately 1:30 p.m. In case of inclement

weather, the exercise will be held Thursday, March 15.

MU's Environmental Health and Safety office urges all University facilities to participate in this exercise by implementing existing evacuation plans to the fullest extent practically possible. University policy calls for these plans to include at least the following steps:

- ◆ Move to interior corridors away from doors and windows,



preferably in a basement or lower floor.

- ◆ Avoid auditoriums, gymnasiums or other areas having a wide, free-span roof

- ◆ If outdoors, lie flat in the nearest depression, such as a ditch. If there is time, move away from the path of the tornado at a right angle.

Any questions about the exercise, including how you might participate, should be directed to your building coordinator or to David Dorth,

safety representative with Environmental Health and Safety. Dorth may be reached at 882-7018 or at dorthd@missouri.edu

Tradition and change

A new exhibit of the art of Oceania opens this weekend at the Museum of Art and Archaeology. Works like these from the Pacific, Australia and Indonesia have long held the attention of serious collectors because of their powerful presence and unusual forms and shapes. Oceanic art has been the source and inspiration of many Western artists.

Facing off against formidable fungus

SUBTERRANEAN STRESS

Logging practices may affect spread of fungus that causes forest decline

Much of the forest disturbance associated with logging practices is easy to see: scarred stems, bent saplings and muddy vehicle tracks. Two MU plant pathologists are finding out more about harvest disturbance by examining what lies beneath.

In forestland in southeast Missouri, Jeanne Mihail and Johann Bruhn are studying how logging disturbance contributes to the aggressive spread of subterranean fungi that colonize root systems and prevent recovery of stressed trees.

The research sites are managed by the Missouri Department of Conservation as part of the Missouri Ozark

Forest Ecosystem Project (MOFEP), an interagency research area involving MU, the U.S. Forest Service, The Nature Conservancy and the conservation department. The area is located in Carter County, Reynolds County and Shannon County.

The sites selected by Bruhn and Mihail had not been harvested for nearly half a century before the first experimental harvest in 1996. "Harvested stands were thinned or clear cut in different ways," Bruhn said. "We mapped and measured the remaining trees and any injuries they experienced, any dead trees, the stumps that were created and the vehicle paths.

In addition, we excavated the sample pits in vehicle paths to measure the extent of injury to the roots beneath those paths.

"Five years later, we're about to look at how those injuries are being handled by the trees."

Mihail and Bruhn, associate professors of plant pathology, are studying three species of Armillaria fungi common in the Ozarks. An Armillaria fungus can survive in the forest floor for decades and spread out over acres, Bruhn said.

"We need to know more about how they cause disease and contribute to forest decline, so we can take that into account as we manage the forests. We're studying how the fungi respond to harvest disturbances."

Mihail is examining how rhizomorphs - the fungi's rootlike structures - move through the soil and colonize woody debris and stressed roots, and "to what extent they influence the structure of the plant community aboveground," she said. "When you walk through a forest, you see different tree species represented from place to place. What dictates that?"

Preliminary findings indicate

dead stumps and injuries to both stem and root systems contribute to the spread of Armillaria and the subsequent decline of hardwood trees, Bruhn said. "The harvest injury can predispose the tree to Armillaria root disease and ultimately to decline."

They also found that damage to the tree's circumference can affect the roots. "The injury might have a buttress root right below it," and damage to the vascular system makes the root more susceptible to colonization by the fungi, Bruhn said.

"Armillaria are capable of growing as cordlike structures through the forest floor," Bruhn said. "They can colonize and rot a stump, and that energizes them and puts them in a position to colonize other trees, particularly if those trees are stressed."


There are three distinct Armillaria species in the Ozarks, and one appears to cause more

damage than the other two. Mihail is studying how they interact with one another and with the plants they colonize. "Do they forage randomly and happen on a food source, or do they pick up a signal? When you mash a root, can these rhizomorphs detect that as their lunch?"


She said individual colonies of all three species are territorial, and there might be a way to encourage the growth of the benign species. "If it has this food base, or this amount of lead time, can it exclude the other more harmful species?"

The fungi "cause disease very slowly," Bruhn said. "They actually prevent a stressed tree from recovering rather than killing the tree outright. It might take Armillaria 40 years, over several drought episodes, to kill a tree. Once it gets established, a pattern of subsequent stresses can allow Armillaria to take a larger bite.

"Once there's too little root system left to survive that one last stress, ultimately, the tree



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MizzouWeekly

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Editor John Beahler
Advertising Jessica Pinney
Assistant Jana Long
Photographers Rob Hill, Steve Morse
Writer/designer Sue Richardson

The exhibit, titled "Tradition and Change: Art From Oceania," opens at the museum March 10, and provides an insightful view of the vibrant cultures and the peoples who developed them. This art reflects their cultural beliefs and their relationship with the environment.

Objects in the exhibit come from the museum's collection, and include Australian aboriginal weapons, Asmat dance costumes and ceremonial objects from Papua New Guinea.

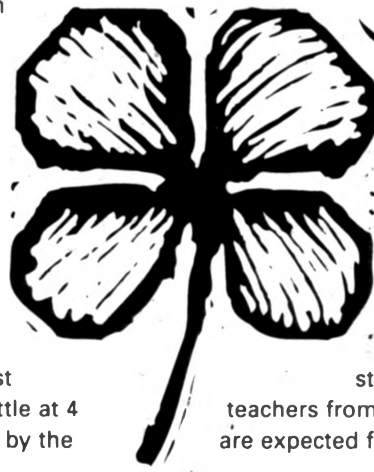
Saint Patty returns

Leave it to Mizzou's engineers to come up with an annual celebration that never gets old. The College of Engineering will celebrate Engineers' Week from March 10 to 17 with a nod to St. Patrick, the patron saint of engineers, and a full schedule of shenanigans.

According to MU history, on St. Patrick's Day in 1903, engineering students "discovered" that St. Patrick was an engineer and decided to make it a day of celebration. By 1905, all engineering students were cutting class on that day for an elaborate roster

of activities.

The celebration continues to this very day with an entire week of festivities, including a knighting ceremony with an appearance by St. Patty himself at 5 p.m. March 16 on Francis Quadrangle. The traditional egg catapult contest will test engineers' mettle at 4 p.m. March 12 by the



Columns. A complete list of activities is available on the web at: eweek.missouri.edu

There will be open house tours and laboratory exhibits in the east and west engineering buildings beginning at 9 a.m. March 15. And old St. Pat sends a word of advice: an estimated 2,000 students and teachers from around the state are expected for the lab tours,

Hog wild for heavy metal

SCIENCE-BASED DECISIONS

MU research is helping clean up contamination at Superfund sites

You might not see it, but it's there. Chemical and heavy metal contamination, a health threat, lies silently in our backyards. Now, an MU researcher is reducing this threat and the cost of eliminating it.

Stan Casteel, associate professor of veterinary pathobiology, is using pigs to represent children who might be exposed to heavy metal contamination at approximately 900 Environmental Protection Agency Superfund sites.

The project is funded by the EPA and the Missouri Department of Natural Resources, with the intention of making Superfund clean-up

decisions more science-based through specific site research reports. Currently, Casteel is working on three EPA site reports.

The metals that pose the greatest threats are lead, arsenic and cadmium. These chemicals can enter the bloodstream easily and have adverse effects on humans, especially children.

Studies have found between 1

percent and 90 percent of the metals are absorbed into the bloodstream, depending on the chemical form and the associated soil composition. Prior to Casteel's research, the EPA assumed an average absorption rate for all lead in soil, which made a priority clean-up list difficult to make.

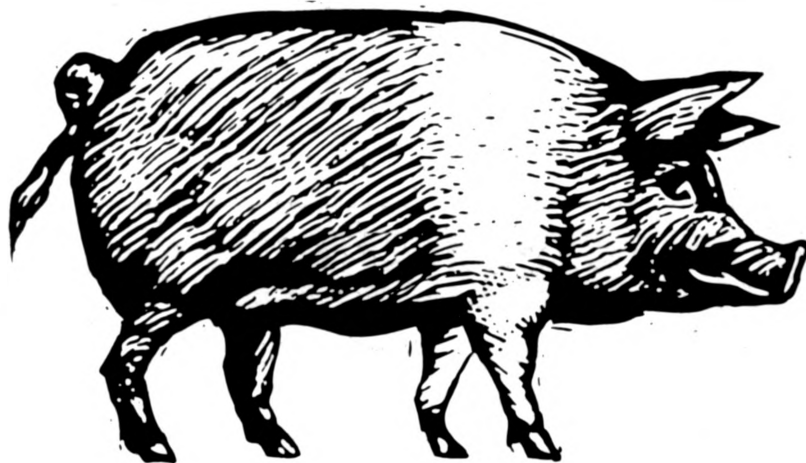
"Once the EPA receives the report, they decide whether or not to clean the site and when," Casteel said. "In some cases, I've found only 2 percent of the lead

is available for absorption and have saved a lot of money in clean-up costs — up to 50 percent. Money from these savings is then redirected toward cleaning up sites with high lead availability."

In addition to Casteel's analysis studies, he also has experimented with a phosphorus application that can reduce the lead available for absorption by close to 50 percent. Under direction of the natural resources agency, researchers cover the contaminated area with the phosphorus compound, which combines with lead to reduce the absorption rate.

Casteel said if you suspect lead contamination on your property and cannot move out of the area, there are three things you can do to minimize the threat:

- ◆ Treat your lawn with compost.
- ◆ Treat the ground with a fertilizer that has a heavy phosphorus content.
- ◆ Make sure you have good lawn cover and that there is no bare soil. Plants act as a natural buffer zone between contaminated soil and you.



Animal Kingdom

MU's College of Veterinary Medicine is hosting its annual open house March 16 and 17, and the campus and Columbia communities are invited. Visitors will be entertained and educated by exhibits featuring animals of all kinds.

There will be tours of Clydesdale Hall, the college's state-of-the-art teaching hospital. You'll even have a chance to take a wagon ride pulled by the college's mule team. There will be a petting zoo, an otter show, and police dog, bird-calling and shepherding demonstrations. The open house will be held at the college from 9 a.m. to 3 p.m., Friday, March 16, and from 10 a.m. to 3 p.m., Saturday, March 17 on East Campus Drive. All ages are welcome, but most exhibits are directed toward children.

HUGHES from Page 1

what made him one of the most longstanding of the Harlem Renaissance writers." What endeared Hughes to the black public was that he remained steadfast to his heritage. "He was a black black writer when it was not an opportune time to be black black," Thompson says.

This steadfastness, Jarrett says, is visible in his collection of children's works. "They are very affirming books for youngsters," she says. "When you read them, you see that long before any of us came up with the expression black pride, he was helping African-American children feel proud of themselves and their racial heritage. This is probably

what singled him out as one of the most influential black poets."

The bases of Hughes' poetic expression is the language, music and culture of the ordinary people of Harlem, Jarrett says, adding that his versatility shows up in his capacity to create in every literary genre: poetry, fiction, drama, essay and history. "There was nothing he didn't tackle. Some things he did better than others, but all of them he did well. These will all be wonderful books."

Almost 12 years have passed since Jarrett first learned the executors of Hughes' estate were looking for a publishing home for his collected works. The University of Missouri Press, she

told them, should be considered for this honor. "After all, this is his home state," she said.

Taking into account her long history in university press publishing, her passion for African-American studies, and her vast network of black authors and scholars — many of whom she had published and worked with in the past — the administrators knew she would do right by Hughes.

Still, it was the late Blyden Jackson whom Jarrett credits as securing the contract for the University of Missouri Press. "Blyden was a contemporary of Hughes and a wonderful human whom I had known for a quarter of a century." She had published

his books on African-American literature and, upon hearing of her interest in publishing Hughes' collected works, he came to her aid.

Jarrett recalls that in 1989 at a major language conference, Jackson literally took one of the executors by the hand and insisted that the contract be awarded to her. "His energy and defense of what I and the press would do with the collected works is part of why we got them," she says.

"We have always held onto the principle that this vast body of work by a native Missourian and the most distinguished writer of the Harlem Renaissance should indeed be published,"

Jarrett says. "It is an honor for the University of Missouri Press to do so."

The new volumes will differ from other published collections in that each one will contain an editorial introduction, as well as textual annotation and a chronology of Hughes' life. In addition, Jarrett says that all will be published in book format and priced reasonably enough so that they can be accessible to as many people as possible.

"This will be a major source for the literary and nonliterary world," Thompson says, "since we will have in one large collection the sum of the total of Langston Hughes' very productive lifetime of work."

calendar



Concerts & Plays

Thursday, March 8

CREATIVE WRITING

EVENT: Short-story author Mary Gaitskill will give a reading from her works at 7 p.m. in the Memorial Union's Green Chapel. A book-signing will follow the event.

STUDENT RECITAL: The Symphonic Band and the Contemporary Chamber Players will perform at 8 p.m. in the Memorial Union's Stotler Lounge.

Friday, March 9

STUDENT RECITALS:

- Symphonic Wind Ensemble and Jazz I will perform at 8 p.m. in the Memorial Union's Stotler Lounge.
- The Show-Me Opera will perform Aaron Copland's *The Tender Land* at 8 p.m. in the Missouri Theatre. Cost: \$8 for adults, \$5 for students and seniors.

Saturday, March 10

UNIVERSITY CONCERT

SERIES: *Snow White*, performed by the North Carolina Dance Theatre, will be presented at 2 p.m. and 7 p.m. in Jesse Auditorium. For ticket information, call 882-3781.

MUSIC DEPARTMENT

EVENT: The Junior/Senior Invitational Honors Band, featuring high-school musicians from around Missouri and several adjoining states, will present a concert at 3 p.m. in the Memorial Union's Stotler Lounge.

Sunday, March 11

UNIVERSITY CONCERT

SERIES: North Carolina

Dance Theatre will perform at 7 p.m. in Jesse Auditorium. For ticket information, call 882-3781.

STUDENT RECITAL: The Show-Me Opera will perform Aaron Copland's *The Tender Land* at 3 p.m. in the Missouri Theatre. Cost: \$8 for adults, \$5 for students and seniors.

HEARNES CENTER

CONCERT: The rock group Weezer and special guests, Get Up Kids, will perform at 7 p.m. at the Hearnes Center. For ticket information, call (866) 400-8849.

Monday, March 12

WOMEN'S HISTORY

PERFORMANCE: Denise Bullock, graduate instructor in sociology, will present "The Cage," a performance of recitations, music and interpretive dance at 7:30 p.m. in Memorial Union Auditorium.

GUEST RECITAL: Trio Americas will perform at 8 p.m. in Whitmore Recital Hall in the Fine Arts Building.

Tuesday, March 13

FACULTY RECITAL: Kenneth Tse, visiting assistant professor of music, will perform on the saxophone at 8 p.m. in Whitmore Recital Hall in the Fine Arts Building.

Thursday, March 15

UNIVERSITY CONCERT

SERIES: *Man of La Mancha* will be performed at 7 p.m. in Jesse Auditorium. For ticket information, call 882-3781.

JAZZ SERIES CONCERT: Jazz pianist Dick Hyman will perform at 8 p.m. at the Missouri Theatre. For ticket information, call 449-3009.

THEATER SERIES: *The Seagull* will be performed at 8 p.m. tonight, March 16-17, March 19-22 and at 2 p.m. March 18 in the Corner Playhouse. For ticket information, call 882-PLAY.

Courses & Workshops

Friday, March 9

SENIOR HEALTH

WORKSHOP: Registered nurse Janet Hale will present "Strengthening Your Immune System" at 10 a.m. at the Columbia Senior Center, 1121 Business Loop 70.

Monday, March 12

CAREGIVER SUPPORT

GROUP: Katie Hurley, a licensed clinical social worker, will lead a support group for caretakers of the elderly or chronically ill from 6:30-8:30 p.m. at the Columbia Regional Hospital health pavilion. Additional meetings will be held on March 26, April 9 and 23. For more information, call 882-4743.

Tuesday, March 13

HAZARDOUS MATERIALS

WORKSHOP:

- "Hazardous Materials Management Update" will be held today from 9-10 p.m. and May 8 from 3-4 p.m.
- "Introduction to Hazardous Materials Management" will be held today from 2-5 p.m., April 4 and May 8 from 9 a.m.-noon, and June 13 from 1-4 p.m.

Both workshops will be held in the Environmental Health and Safety Building in Research Park. Registration is required, call 882-7018.

EMPLOYEE ASSISTANCE

WORKSHOP: "Anger Management in Personal Relationships" will be held from 5:30-7 p.m. in 119 Parker Hall. Registration is required, call 882-6701.

Wednesday, March 14

HUMAN RESOURCES

WORKSHOP: "Financial Planning for Retirement" will be held from 9 a.m.-noon in 146 Heinkel Building. Registration is required, call 882-2603.

Thursday, March 15

HUMAN RESOURCES

WORKSHOP: "Tax Deferred Annuities" will be held from 9-10:30 a.m. in 146 Heinkel Building. Registration is required, call 882-2603.

RADIATION SAFETY

WORKSHOP: "Radiation Safety at MU: Update" will be held today, April 19 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.

Exhibits

BRADY GALLERY: "Women in the Arts" exhibit will be on display through March 22. A public reception will be held from 4:30-6:30 p.m. March 15. Brady Gallery, located at 203 Brady Commons, is open from 10 a.m.-5 p.m. Monday-Friday, 10 a.m.-4 p.m. Saturday and 1-4 p.m. Sunday.

GEORGE CALEB BINGHAM GALLERY: Works in various media by MU art faculty are on display through March 16. The 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" will open March 10 and run through 2003.
- 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 by 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. The newest exhibit is titled "Thu the Hoops," which chronicles men's basketball at MU. Links to the archives' exhibits are located at www.system.missouri.edu/archives/exhibitlist.html

Films

Friday, March 9

WOMEN'S HISTORY

MONTH FILM: *Boys Don't Cry* will be shown at 7 p.m. and 9:30 p.m. in Memorial Union Auditorium today and tomorrow. Cost: \$1.

Saturday, March 10

WOMEN'S HISTORY

MONTH FILM: *Born in Flames* will be shown at 4 p.m. at the Rag Tag CinemaCafe, 23 N. 10th St. A reception will follow.

Wednesday, March 14

MUSEUM FILM SERIES:

Last Temptation of Christ will be shown at 8 p.m. in Ellis Auditorium.

Thursday, March 15

HISPANIC ISSUES FILM:

About My Mother will be shown at 8 p.m. at the Rag Tag CinemaCafe, 23 N. 10th St.

Friday, March 16

WOMEN'S HISTORY

MONTH FILM: *Rosa Luxemburg* will be shown at 7 p.m. in Allen Auditorium in Arts and Science Building.

Lectures & Seminars

Thursday, March 8

ECONOMICS SEMINAR: Yongmiao Hong from Cornell University will present "Evaluation of Out-of-Sample Probability Density Forecasts



Celebrating Engineers' Week March 10 - 17



Campus Facilities' engineers plan, design, build, operate and maintain MU's structures, systems and operations. Join us in saluting their skills, dedication and enthusiasm. They get the buildings and systems up and keep them running. They get the job done!

Eric Bassett, Senior Staff Engineer
 Dave Bowman, Construction Engineer
 Glen Chamberlain, Senior Staff Engineer
 Gregg Coffin, Superintendent, Power Plant
 Paul Coleman, Manager, Engineer
 Ken Davis, Assistant Director, Energy Management
 Jarnail Dhalla, Engineering Associate II
 Larry Edwards, Director Facilities Management
 Curtis Flatt, Manager, Engineering
 Harry Frank, Assistant Superintendent Power Plant
 Tim Gephardt, Staff Engineer
 Don Guckert, Director, Planning, Design & Development
 Shane Harris, Student Assistant Technical III
 Burton Heller, Staff Engineer
 Jeff Herigon, Construction Project Manager
 Stephen Hincey, Facilities Project Manager
 Jim Henley, Construction Engineer
 Paul Hoemann, Director, Energy Management
 Mike Hoff, Student Assistant Technical III
 Heng Huang, Student Assistant Technical III
 Larry Hubbard, Facilities Project Manager
 Dwight Hubert, Construction Engineer
 Brett Huhman, Student Assistant Technical III
 Ashley Hutchenson, Student Assistant Technical II
 Stephen Jaques, Senior Staff Engineer



Adam Johnson, Student Assistant Technical III
 Bradley Kiefer, Student Assistant Technical II
 Jeremy Krueger, Student Assistant Technical III
 Kevin Kurelich, Senior Staff Engineer
 Xuechang Li, Programmer Analyst/Expert
 Larry Long, Senior Staff Engineer
 Gary McEuen, Engineering Associate II
 Aaron Mummert, Student Assistant Technical III
 Andrew Norris, Managing Engineer
 Mike O'Connor, Senior Staff Engineer
 Caroline Pinkston, Student Assistant Technical II
 Mathew Rice, Senior Staff Engineer
 Christina Robb, Student Assistant Technical III
 Larry Schilke, Managing Engineer
 George Sieli, Engineer II
 Jeb Sloan, Student Assistant Technical III
 Jim Smith, Senior Staff Engineer
 Marsha Smith, Design Project Manager
 Doug Spellman, Facilities Project Manager
 Barry Trader, Systems Support Specialist
 Richard Troth, Managing Engineer
 Alan Warden, Assistant Vice Chancellor-Facilities
 Jim Wilbur, Staff Engineer
 Mike Yount, Engineer I

MU

CAMPUS

MASTER PLAN 2001



The University of Missouri-Columbia's Campus Master Plan is an ongoing process begun in 1980 to create optimal efficiency and aesthetic appeal in the use of campus buildings and land. A campus planning committee includes faculty, staff and students who advise the vice chancellor for Administrative Services on campus planning issues.

Since its inception, more than 50 public hearings on the plan have been held for the campus and the community. Hearings include status reports on space needs and specific projects, with accompanying visual presentations and graphics. Progress reports are presented annually in open meetings on campus.

Comments and responses that help to shape the plan are always encouraged. An open forum this year will be held at noon, March 21, in the Reynolds Alumni Center.

A central concept of the master plan is to build on the tradition of the MU campus to create a unified, efficient environment that is inviting to students and conducive to teaching, research and support services. Enhancing this tradition is the Chancellor's designation of the campus as a Botanic Garden, which extends MU's magnificent flora environment as a learning resource for the public at large. The plan also fosters strengthening cooperation between the campus and neighboring Columbia.

"As we enter the 21st century, there is an essential theme that we need to incorporate into our planning

and design ideas for the campus," said Perry Chapman, MU's master planning consultant. "That theme is 'connection.' Connection is the hallmark of great campuses. It is the creation of spaces that induce people to gather and interact in a collegial way. It is the linkage of open spaces that works to unify the campus fabric. Academic, residential and social functions are tied together by inviting pedestrian passages that enhance campus vitality and intellectual exchange."

Objectives of the plan (see box at right) are intended to help test planning and design concepts and proposals, and specific projects as they are developed. Objectives are consistent with the Board of Curator's 1981 policy statement, which also includes the goal of "maintaining and making more efficient and attractive the university's physical plant."

The master plan's objectives have helped to shape projects that have been completed and others that are under way. A project is of interest in that, as a part of the whole, it complements and reinforces existing and planned projects. With the plan as a guide, campus improvements should blend with their surroundings so as to appear to have been there from the start.

Accomplishments to date and upcoming planned objectives are shown on the inside map.

Feel free to use this supplement to comment on the plan. Simply write wherever space is available and return to Ruth Brent, chair, Campus Planning Committee, 137 Stanley Hall. Readers' comments are encouraged.



Francis Quadrangle, with its Columns and domed Jesse Hall, remains the traditional heart of MU and the focal point of an expanding campus.



PLANNING PRINCIPLES

PRIDE OF THE STATE: Express visually the functional importance of the campus to the state, nation and world.

UNIFIED TOTAL CAMPUS: Unify the campus while clarifying and revealing its dominant components.

DIVERSITY WITHIN THE UNITY: Clarify and express the variety of people on campus, their activities and heritage.

STRONG 'SENSE OF PLACE': Emphasize the distinctive and memorable qualities of the campus to entering students, faculty, and staff.

RESPECT ARCHITECTURAL INHERITANCE: Continue to accent the topographic and architectural history of the campus.

RESPOND TO CLIMATE: Design architecture and landscaping that will serve as models in similar climates.

RECRUITMENT-RETENTION AID: Stress the environmental qualities of the campus that help attract and hold students, faculty and staff.

FUNCTIONAL ADEQUACY: Provide appropriate and adequate facilities — neither constrained nor lavish — for campus activities.

ENHANCE QUALITIES OF CLOSENESS: Locate campus activities in close proximity to students and staff in order to maximize benefits to all.

ALLOW FOR THE EXPANSION OF CAMPUS ACTIVITIES: Identify ways to expand (or relocate) activities on campus.

PEDESTRIAN DOMINANCE: Maintain a pedestrian-dominant campus.

RECOGNIZE VEHICLES: Recognize and gracefully accommodate the need for vehicles on campus without interfering with the pedestrian nature of the campus.

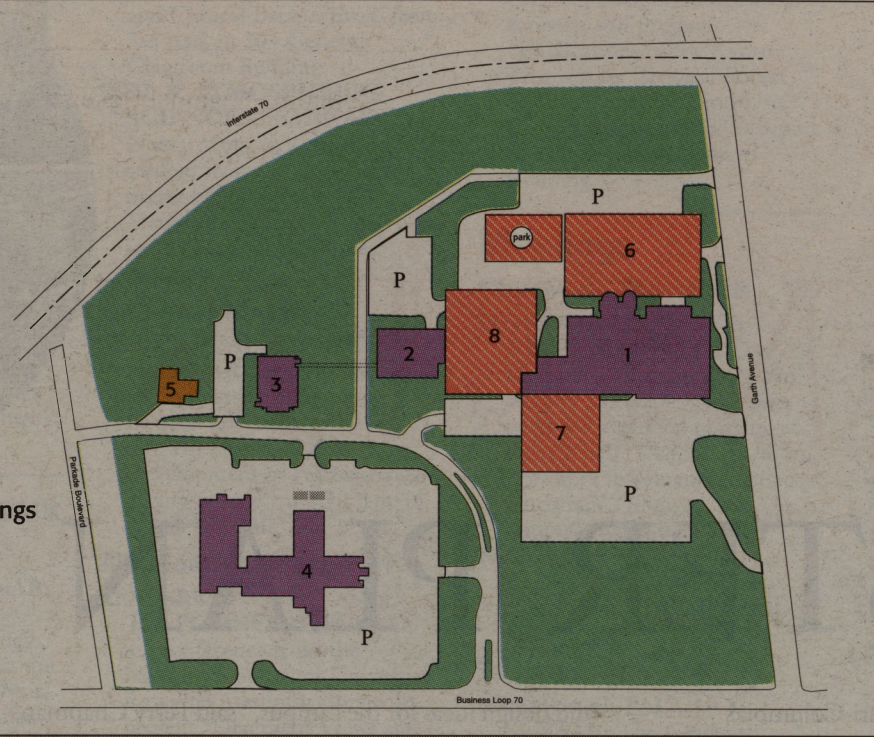
RESPOND TO ACCESSIBILITY NEEDS: Continue the tradition of providing persons with disabilities an optimal access to the campus.

RESPECT NEIGHBORS: Cooperate in achieving mutually beneficial campus and civic objectives.

Ellis Fischel Campus

Ellis Fischel campus is a five-minute drive north of the main campus, just off Providence Road and bordering Interstate 70.

- 1 Ellis Fischel Cancer Center
- 2 Green Building
- 3 Allton Building
- 4 Health South—Rusk Rehabilitation Center
- 5 Ellis Fischel Guest House
- 6 Ellis Fischel Hospital Expansion/Replacement
- 7 Outpatient Clinics Expansion
- 8 Possible Future Research Buildings

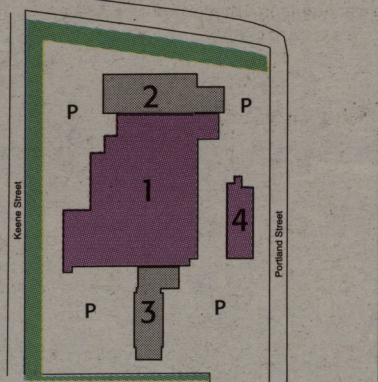


Existing Buildings

- A Jesse Hall
- B Hearnes Center
- C Ellis Library
- D Memorial Union
- E Brady Commons
- F Research Reactor
- G Heinkel Building
- H Agriculture Building
- I Reynolds Alumni Center
- J Clydesdale Hall
- K Student Recreation Center

Columbia Regional Hospital

Columbia Regional Hospital is a five-minute drive northeast of the main campus, on Keene Street, just off Rt. 63.



- 1—Columbia Regional Hospital
- 2—Keene Medical Building
- 3—Health Pavilion
- 4—Columbia Regional Engineering Building

- Projects Recently Completed**
- 1 Memorial Stadium Press Box Expansion
- 2 Townsend Hall Addition/Renovation

- Botanic Garden Projects**
- 3 Butterfly Garden
- 4 Bulb Display
- 5 Memorial Union Garden
- 6 Ellis Perennial Garden

- Projects in Design or Construction**
- 7 Bike Trail
- 8 Cornell Hall
- 9 Student Success Center
- 10 Emergency Room Expansion
- 11 Life Sciences Center
- 12 Virginia Avenue Parking Structure
- 13 McKee Addition/Renovation
- 14 Power Plant Addition

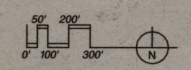
- Botanic Garden Projects**
- 15 Francis Quadrangle Gardens
- 16 South Quadrangle Gardens
- 17 Rose Garden

- Projects in the Planning Stage**
- 18 Basketball Arena - New or Addition/Renovation
- 19 Performing Arts Center
- 20 Student Recreation Center Expansion
- 21 Ellis Library Addition/Renovation
- 22 Providence Road Pedestrian Overpass
- 23 Residence Halls
- 24 Missouri Technology Park
- 25 Pedestrian Plaza/Mall
- 26 Indoor Tennis Pavilion
- 27 Veterinary Medicine Guest House

- Botanic Garden Projects**
- 28 McAlester Arboretum

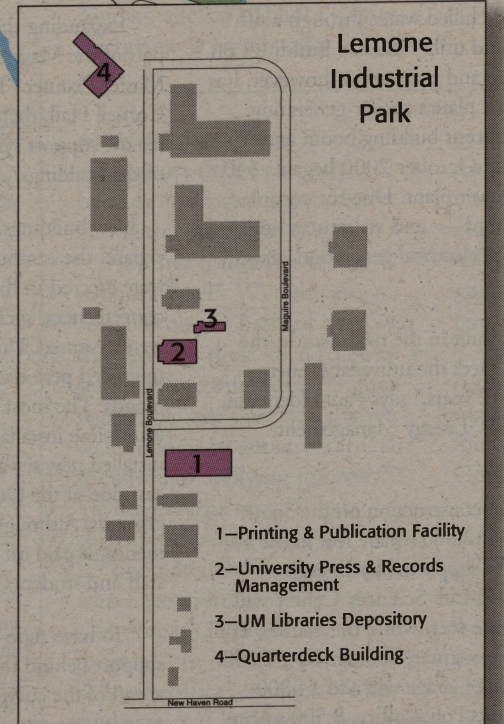
- University Land, largely pedestrian but including service drives and small parking areas
- Existing MU buildings
- Possible future structures
- P Parking
- Parking Garages
- Major walks*
- Major bikeways*

*Note: Many walkways and bikeways are shown straight for diagrammatic clarity; in actuality many will be curved and shaped to topography, planting and buildings.



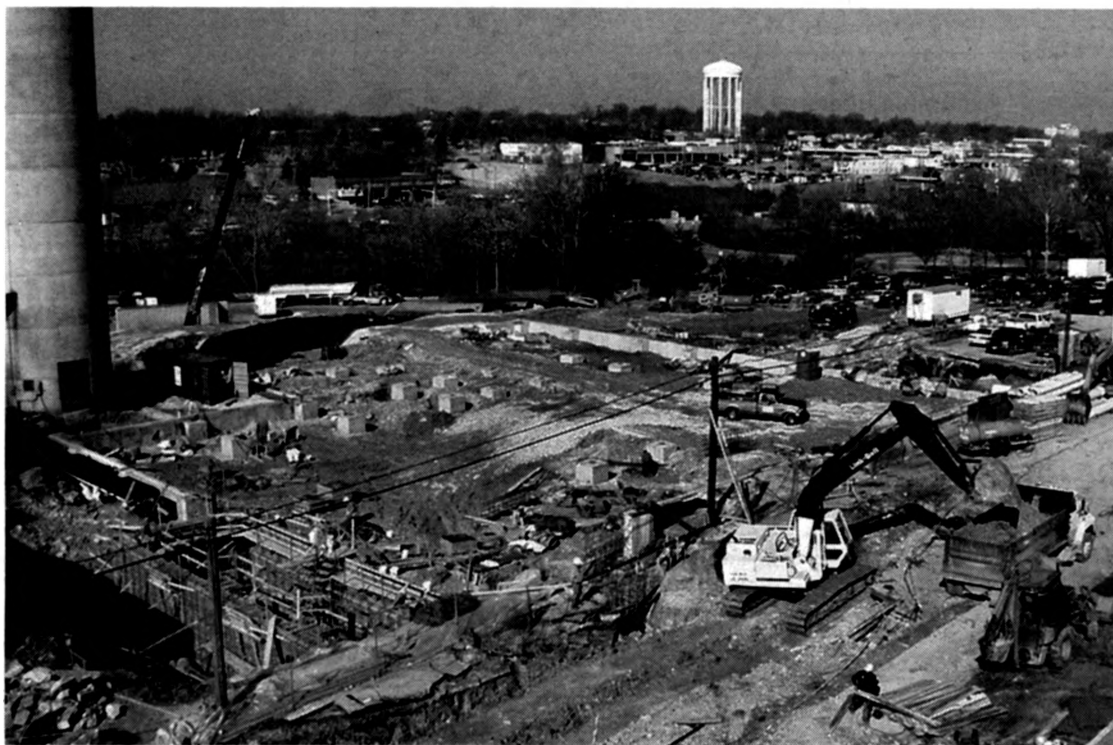
DRAFT 3.1.01

Comments and questions should be sent the Campus Planning Committee, 137 Stanley Hall. Revised edition scheduled for March 2002. For more information, see the MU Master Plan website at <http://www.cf.missouri.edu/masterplan/masterplan.htm>



- 1—Printing & Publication Facility
- 2—University Press & Records Management
- 3—UM Libraries Depository
- 4—Quarterdeck Building

BUILDING FOR THE FUTURE



Construction on the power plant capacity addition began in October 2000 to the north of the existing plant at Fifth Street and Stewart Road. The project is scheduled to be completed by April 2002.

MU's infrastructure grows with campus

The MU campus has grown by leaps and bounds this past decade. In terms of building space in new and renovated structures, the campus has grown by some three million square feet of teaching, research, office and parking space — a whopping 25 percent increase in size in a mere 10 years.

Most recently, areas to the south and southeast of Francis Quadrangle have been filled in with new structures, and more are proposed.

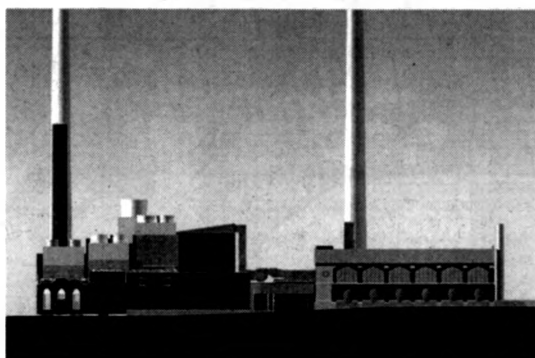
Unnoticed, however, in this recent, unprecedented growth, is the web of support that keeps the lights on, water running and temperatures comfortable in campus offices, classrooms and laboratories.

"Infrastructure is the unnoticed side of campus facilities," says Ruth Brent, chair of the MU Campus Planning Committee. "It's invisible to students, faculty, staff and guests, yet it is vitally important to keep the campus running."

The university's power plant, built in 1922, sends electricity, steam, water and chilled water through a 40-mile network of underground utility lines to buildings on campus. Each new building and renovation, however, has placed more demand on the plant's power-generating capacity. To cope with the recent building boom and address future needs, MU in October 2000 began a \$40 million expansion of the power plant. Due for completion in 2002, new equipment — and structures housing it — will increase the plant's electrical generation capacity from 40 to 65 megawatts.

"Depending on what is built in the next decade, the capacity expansion should meet the university's energy needs for another eight to 12 years," says Paul Hoemann, director of Campus Facilities' Energy Management department.

Cornell Hall, now under construction on the South Quad, will add more than 152,000 square feet to the 10 million square feet currently supported by Energy Management. The proposed Life Sciences Center will add another 250,000 square feet, while the McKee Hall expansion will increase gross square footage by 74,500. The Virginia Avenue Parking Garage will add 14,800 square feet for a new Campus Police office, 8,500 square feet for Campus Facilities' Landscape Services department and more than 1,800 parking spaces when it is completed



The \$40 million capacity addition project will increase the power plant's electricity generation capacity from 40 megawatts to 65 megawatts — enough to meet campus needs for another eight to 12 years.

in 2002. Other buildings that could increase demand for utilities in the near future include a possible new basketball arena, a proposed performing arts center and the potential expansion and renovation of student housing.

"Expanding the campus infrastructure is an important part of the Master Plan," says Perry Chapman, MU's Master Planner. "It's not just the pretty projects, like Cornell Hall, that we think about. You also have to plan for the support system that will keep the lights on in all of the buildings."

New buildings, however, are not the only reason to expand the campus infrastructure. MU's oldest buildings were erected in the late 1800s — long before modern conveniences, such as air-conditioning and computers, were invented. Utilities for these buildings need to be upgraded periodically to keep up with changing demands. The most noticeable recent upgrade was the 1998 utility-line installation on Francis Quadrangle. Workers installed new sewer and water lines to buildings on the east side of the Quad by cutting a trench through the grounds. Although this construction was an inconvenience, it paid off with improved conditions for faculty, staff and students who use the buildings.

"To have state-of-the-art technology, it takes a lot of support behind the scenes to keep us functional and ahead of the curve," says Brent. "These are sacred places to many people, and they hate to see them torn up. That's why we try to make the necessary repairs with as little disruption as possible."

CAMPUS PLANNING COMMITTEE

The Campus Planning Committee advises the vice chancellor for Administrative Services on the facility needs of the campus. Members for 2000-2001 are:

CHAIR

Ruth Brent, professor and chair of environmental design

FACULTY

Richard Hardy, associate professor of political science
Randy Miles, associate professor of soil and atmospheric sciences
R. Speer Morgan, professor of English
Charles Timberlake, professor of history
Carol Ward, associate professor of anthropology

STAFF

Harry Cooper, director, Missouri Ingenuity
Charles Johnston, senior architect
Marie Sloan, senior academic advisor

STUDENTS

Doug Little, student
Laura Moore, student

EX-OFFICIO

Kee W. Groshong, vice chancellor for Administrative Services
Jim Joy, director of Parking and Transportation
Chris Koukola, assistant to the chancellor for University Affairs
Arthur Merrick, MU Retirees Association representative
Frankie Minor, director of Residential Life
Pat Morton, director of Institutional Research
George Preckshot, professor emeritus
Robert A. Simmons, architect, University System
Alan R. Warden, assistant vice chancellor-Facilities
Sarah Colby Weaver, director of Disability Services

CAPITAL REVIEW COMMITTEE

The Capital Review Committee is charged with providing advice to the provost and vice chancellor for Administrative Services, as appropriate, on campus-level issues regarding the use of existing space, maintenance and repair of existing space, priorities for renovation of existing space, and priorities for adding new space. Members are:

CO-CHAIRS

Kee W. Groshong, vice chancellor for Administrative Services
Brady Deaton, Provost

MEMBERS

Mark Bresnahan, MSA President-elect
James Bunton, assistant vice chancellor Business Services
David Housh, assistant vice chancellor for Development and Alumni Relations
Chris Koukola, assistant to the chancellor for University Affairs
Michael Middleton, deputy chancellor
Julie Moore, Staff Advisory Council representative
Michael Nolan, professor of rural sociology
Cathy Scroggs, interim vice chancellor for Student Affairs
Benjamin Schwarz, associate professor of environmental design
Scott Shader, manager of Space Planning
Gary Smith, director emeritus
Bruce Walker, dean of the College of Business
Alan R. Warden, assistant vice chancellor-Facilities

Historical drawing, page one, reprinted with permission of University of Missouri Archives

Aerial view of campus, page one, reprinted with permission of MU Publications and Alumni Communication

Publication created and designed by Campus Facilities Communications

Adding community to the curriculum

SERVICE LEARNING

Nearly 10 percent of all MU undergraduates are involved in community service through specialized courses

Anne-Marie Foley is helping MU students think about their college educations from a slightly different perspective. While they prepare for careers as doctors, lawyers, teachers or engineers, she wants them to consider the impact their incredible talents could have on the communities in which they live.

As director of Mizzou's Office of Service Learning, Foley's goal is to show students that an education is not simply a matter of mastering technical or academic subjects.

"It's also about the kind of citizen you're going to be and

the contribution you're going to make to society in the future, irrespective of what your profession is," she says. "It's about your sense of what social issues are and your ability to think about them. And it's about diversity and intercultural communication."

Foley helped launch the campus service-learning initiative in 1990 when she was working in special programs for the Honors College. With help of students and community leaders, Foley

put together an Honors College class that blended community service and academics.

The group studied issues

of ethics, leadership and social challenges. Part of that class — the homework you might say — was community service.

The success of that first class of 15 students led to a grant from the U.S. Department of

Myou



Steve Morse photo

COMMUNITY IMPACT As director of MU's Office of Service Learning, Anne-Marie Foley helps students find out that they can make an impact in their communities through volunteering in service projects.

Education to expand the program. The University now funds the service-learning program and it's been expanded campuswide.

Each year, an average of 1,800 to 2,000 students — nearly 10 percent of all MU undergraduates — take part in 76 different classes that include a service-learning component. Each student provides a minimum of 45 hours of community service. That adds up to more than 100,000 hours of community service annually.

Students are learning in the classroom and from their experiences in the community. At the same time the local community benefits from students' time and effort. Foley and her staff typically work with

150 local and state agencies, including the Columbia Public Schools.

For example, chemistry students might help teach in public-school chemistry labs. Classical studies students provide Latin tutoring or after-school enrichment programs. Pre-med students in biological sciences have worked on public health initiatives.

The program also receives vital support from the MU administration and faculty. "This is a great job because the provost's office and the chancellor's office always encourage us to be creative," she says.

And there's always room for more faculty to develop additional service-learning courses, she says. Those classes are reviewed by a faculty board

before receiving the service-learning designation.

Students participating in the program are assigned a project that in some way is connected to their course of study. "Another major issue, and this is really important," Foley says, "is that we are serving real community needs. It's not something we do to the community, it's something we do with the community."

There are a lot of challenges to the job. Sometimes a student will shy away from becoming too emotionally involved with the work, Foley says. "Sometimes they say they don't want to get too close with a child or a situation because they're afraid of emotional stress or pain."

She simply tells them: "It's good to break your heart sometimes. You won't die, but you'll remember for the rest of your life."

So how does Foley deal with her own everyday stress? She has a couple of secret weapons. First, there are her ducks. She raises a flock of variety-breed ducks on her pond at home. Each night, she herds them inside to protect them from marauding foxes.

"I grew up in the suburbs, and going home to my ducks — I don't know — they make these funny sounds and it just calms me right down."

Quilting is her other relaxation tool. She's been quilting for the past six years, and does every stitch by hand. One quilt can take as long as 18 months to complete, and the finished products are gifts for family and friends.

"Each quilt takes longer to make than it did for my dissertation," she says with a laugh, "and they keep you warmer, too."

training programs they might not hear about in their work environment. Staff members may reach the council office by calling 882-4269 or e-mailing staffadvisorycouncil@missouri.edu.

Information for the second round of proposals will be mailed to all benefit-eligible staff members in a few weeks. Completed applications are due into the council's office on May 24. Criteria for writing and submitting applications are included on the form as well as on the council's web site at web.missouri.edu/~musacwww/.

Even the best written proposals aren't always funded the first time. "Don't be disappointed or give up," Taylor-Stearns says. "Keep trying."

AWARDS from Page 3 supervisors do this already, because they want a productive and better work force."

Another limitation is the proposal itself. Winners are selected on the basis of how well they convey their need to go to a seminar or conference. "Some people believe they don't write well enough to get an award, so they forego applying for one," Taylor-Stearns says. "That should not be the case."

The names of former winners who have indicated they would assist others in preparing a proposal are on file in the council's office, she says. "They won't write it, of course, but they can provide guidance." In addition, Taylor-Stearns says, council members can assist employees in their search for

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Micromanaging Columbia's climate

MICROCLIMATES Urban environments – even those as small as Columbia – can have an impact on local weather conditions

Everyone knows that the Mizzou campus is a local hot spot, but now a team of MU faculty and students is putting together some hard data to back up that perception.

They aren't looking at the cultural or intellectual attractions on campus though, instead they're looking at the impact that MU and the city of Columbia have on local climate conditions. They're exploring a weather phenomenon known as "microclimates."

Anthony Lupo, assistant professor of atmospheric science, and nearly a dozen undergraduates launched a one-year study last summer to document temperature differences between developed areas of the city and the rural countryside outside of town.

Although they haven't yet completed the first year of the study, the group has documented temperature differences that average 3 to 5 degrees higher in the city than in rural Boone County. On a sunny day in summer there might be as much as a 10 degree difference in some parts of Columbia, while on a cloudy, windy day the effect is nearly nonexistent.

And some of the warmest temperatures are in the central core of the city. At weather

sensing stations outside Gentry Hall near the Memorial Union and on Broadway in downtown Columbia, the researchers have recorded temperatures as much as 1 to 2 degrees higher than other parts of the city.

"Another place that's beginning to show just as big an effect is along Nifong Boulevard in the south part of Columbia, where things have been built up and there are fewer trees and more concrete," Lupo says.

Scientists have long known about microclimates. Some occur naturally, such as the dryer regions called "rain shadows" on the downwind side of mountains. In that case, moisture-soaked clouds drop their rain before they can get over high mountain peaks.

And some microclimates are man-made. Researchers long ago demonstrated that big cities can have a profound impact on local weather. Buildings, streets and parking lots act like a heat sink, trapping the sun's radiation. This "heat island effect" can boost local temperatures substantially in urban areas.

Studies in Atlanta, New York and even St. Louis show that the extra heat there can trigger heavier rainfall. "The heat island effect makes the air over those cities warmer and lighter," Lupo says. "That hot air rises and gives just a little extra 'oomph' to the clouds that produce rain."

Phoenix, Ariz., is another good example of an urban microclimate. As more people and development crowd that

metropolitan area in the desert, it's meant more swimming pools and lawn irrigation.

"That's made Phoenix more humid than the surrounding desert," Lupo says. "They're moistening it up, although I don't think they'll ever get it to the point where the humidity is as bad as it is in Missouri."

And, although the heat island effect is well documented for big and even mid-sized cities, no such studies have been done for small cities the size of Columbia. "Hopefully, we can show that even smaller cities might have an impact on temperatures," Lupo says. "That can be important, especially as we look at climate change issues."

Although the temperature variations may be slight, a few degrees can make a difference in some situations. "When the temperature is pretty close to freezing, you can see the icing effects are worse outside Columbia than inside," Lupo says. "That information could be helpful to the city in deciding where to put their resources for de-icing the streets."

For instance, during the most recent snowfall in February, the weather station at Columbia Airport recorded 4 inches of snow. "Inside the city, many areas received less than 2 inches of snow. More of the precipitation fell as rain," Lupo says.

His team of volunteers got to work last July with the help of a \$1,000 grant from the MU Alumni Association. They placed 20 indoor-outdoor thermometers



Steve Morse photo
HOT SPOT Anthony Lupo, assistant professor of atmospheric science, and students Angela Oehl, left, and Janelle Lam, right, take daily readings at the weather station outside Gentry Hall. They're gathering data from 20 locations around town to study the impact Columbia has on local weather.

and 13 rain gauges in locations around Columbia – most in team members' homes. Each day, the volunteers record the maximum and minimum temperatures and any precipitation. They compare those readings with three control locations outside of town.

The study will run through this June, although Lupo hopes to recruit more students to keep the project going. "Right now, we have so much information we don't have time to crunch it all," he says.

But some patterns are emerging in their heat island research. "What we're noticing is that the effect is greater in the daytime during the warmer months, and greater at nighttime during the cooler months," Lupo says.

They're also looking closely at rainfall data. Those patterns are

too scattered to draw any conclusions, although some small areas of town – some just the size of neighborhoods – might be getting more precipitation than nearby areas. Last October, for example, some parts of Columbia got up to an inch more rain than areas outside of town.

"If we see this happening consistently in the summer, maybe we can make a case for the heat island effect," Lupo says.

This project has had an impact on the student researchers as well. Along with Lupo, they were co-authors of a paper at a January meeting of the American Meteorological Society. The students are rolling up their sleeves and learning to do research, Lupo says. "This project shows them how science is conducted and how experimentation is done."

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Honoring diversity and inclusion

CELEBRATING COMMITMENT

2001 Human Rights and Diversity Enhancement Awards highlight achievements

In recognition of the value of human rights and diversity as key components of higher education, MU presented the 2001 Human Rights and Diversity Enhancement Awards at a March 13 banquet in the Reynolds Alumni and Visitor Center.

"This is our chance to celebrate and honor the people who have given so much to uphold human rights and also make this a more diverse and inclusive university, community and state," said Noor Azizan-Gardner, coordinator for the MU Diversity Initiative.

Awards are presented to faculty, staff, students, alumni

and community members who have demonstrated outstanding commitment to the enhancement of diversity or human rights on campus or in the community. Nominations are submitted by individuals, organizations and the community, then reviewed by a committee of faculty, staff, students and alumni.

This year's award winners include:

◆ Faculty Diversity Enhancement Award

Punky P. Heppner and David DuBois — Heppner, professor of educational and counseling psychology, is the co-founder of the Center for Multicultural Research, Training and Consultation. He has significantly changed the multicultural instruction in his field by actively recruiting and retaining international students into his program.

DuBois, associate professor of psychology, is a mentor and adviser to many minority undergraduates and graduate students. Through his research, teaching and service, he has made significant and positive contributions in the area of mental health programs and policies that benefit all members of the community.

◆ Staff Diversity Enhancement Award

Gerald Beechum — Beechum, placement director for the School of Law, has worked to ensure the success of students with disabilities while they are in college and after they graduating through several initiative and programs he created. Other programs, which he initiated though the law school, were instrumental in introducing the legal profession to minority high school students.

◆ Student Diversity Enhancement Award

Friendship Association of Chinese Students and Scholars — Through various cultural activities, the association has educated the campus in the culture of many of the members of the organization and increased the cultural awareness of MU students.

◆ Community Diversity Enhancement Award

Elliot and Muriel Battle — For more than 40 years, the Battles have been educators, administrators and community volunteers in Columbia. They have enhanced opportunities for minority women, men and children and have been committed to improving the Columbia community by being tutors, mentors, guides and instructors.

◆ Alumni Diversity Enhancement Award

Roger Vasey — Vasey, special adviser to the chairman of Merrill Lynch and Company Inc., has been involved in building a scholarship foundation dedicated to assisting inner city youth succeed in school. He also has helped establish an academy in the College of Business to support minority freshmen.

◆ Human Rights Award

Michael Ugarte — Ugarte, professor of Spanish, is active in Amnesty International and the Catholic Worker Group. He has written and taught about the unpalatable reality of the politically oppressed, and is committed to providing victims of political oppression a voice to express their perspectives.

A PUBLIC HEARING

The Master Plan

Wednesday, March 21

Noon to 1 p.m.

Columns D & E, Reynolds Alumni Center

You're invited to a presentation on the Campus Master Plan. MU's Master Planner Perry Chapman, a principal with Sasaki & Associates, Boston, Mass., has helped develop siting studies, program studies, project reviews and campus master plans for nearly 60 colleges, universities and other nonprofit institutions.

You're encouraged to offer comments and suggestions during the question-and-answer period. Don't miss this opportunity to help map out Mizzou's future.



Parking & Transportation Services

Turner Avenue Garage

Level 2

882-4568

All parking lots will be enforced during spring break. Students may purchase temporary permits for on-campus lots for the week.

Please note: Shuttle service will be suspended the week of Spring Break.

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

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