

MIZZOU

WEEKLY

University of Missouri-Columbia March 12, 1998

INSIDE THE WEEKLY

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Next generation knowledge

New high speed Internet link gives MU researchers abilities 'they have only dreamed of.'

The National Science Foundation announced Feb. 26 that MU would be one of 92 institutions given a \$350,000 grant and access to the very high-performance Backbone Network Service (vBNS), a sophisticated telecommunications network that will allow researchers and scientists easy access to technology throughout the world at very high speeds. The vBNS is a crucial part of the president's Next Generation Internet.

"By building an Internet that is faster and more advanced, we can keep the United States at the cutting edge of Internet technology, and explore new applications in distance learning, telemedicine and scientific research," said

President Bill Clinton in announcing the addition of 29 institutions to the vBNS Feb. 26. "We will work with you in every way we can to lift our eyes to the remarkable potential of the Internet for learning, for the arts and as a means to spread our shared values."

"This grant will enable MU to begin the process of building a research infrastructure consisting of high-performance computing and networking elements on and off campus," said Ed Mahon, assistant vice chancellor of Information and Access Technology Services. "It's another way that I hope we can serve our faculty and their research endeavors."

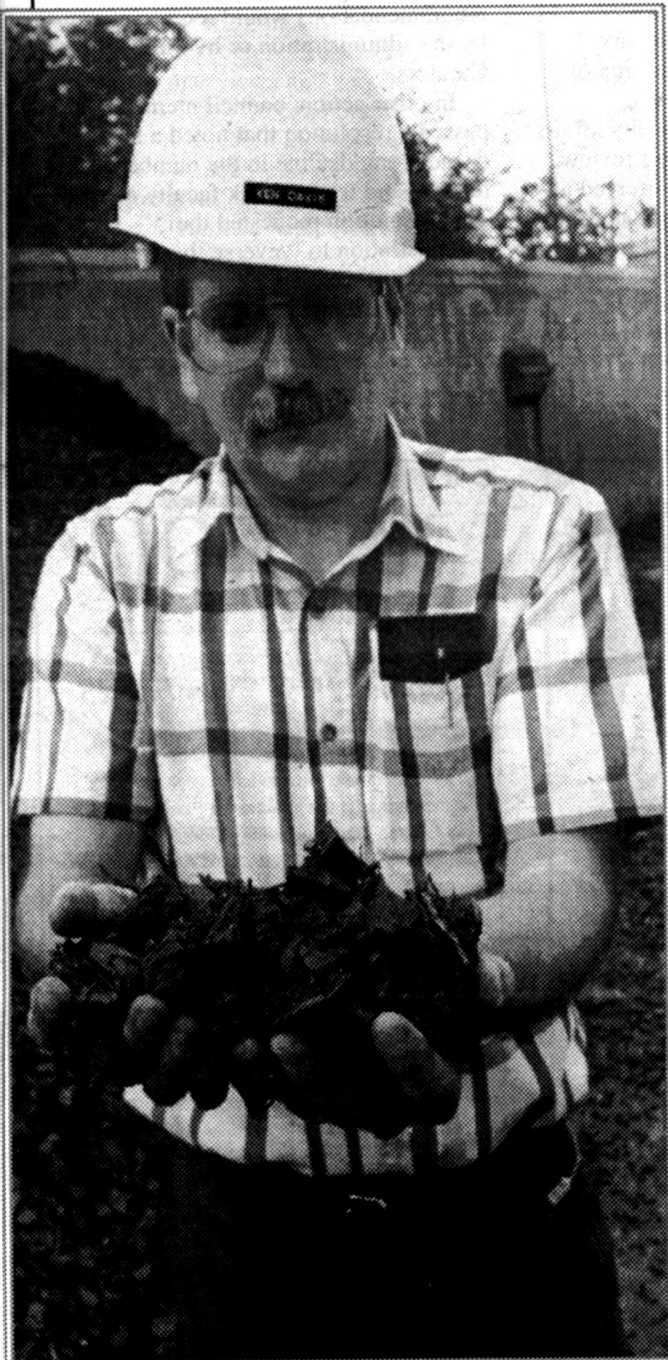
Researchers will not be the only ones

benefitting from this technology — their graduate and undergraduate students who collaborate with researchers on various projects also will have an opportunity to work on the vBNS. For example, there are only a small number of electron beam microscopes in the country. With the vBNS, it will be possible to manipulate one of these microscopes and see the results on a computer without ever leaving the office. Examples of some of the projects involved at MU include: plant science, medical research, engineering and weather predicting.

"This network does not have to contend with the slowness of the Internet that is used by most of the public," said Gordon Springer, associate professor of

computer engineering and computer science, and the principal investigator of the MU vBNS project. "With the amount of traffic on the Internet that has increased in the last few years, the speed has diminished by a factor of 500 to 1,000. We're getting buried in paper and organizing it because of the inability to get the data to the place it needs to be. This access will allow researchers to do things they have only dreamed about."

The vBNS, begun in 1995, currently runs at 622 million bits per second (bps) and is expected to operate at 2.4 gigabits (more than 2 billion bps) per second by the year 2000. By comparison, the average home modem transmits 28,800 bps. The network is an investment of \$50 million in a five-year project with MCI Telecommunications Corp. Connections are evaluated by a peer review process and are approved based on scientific and technical merit.



Fueling the future

Unique MU energy program burns cleaner, saves money, reduces illegal tire dumps.

Mizzou is giving the phrase "burning rubber" an entirely new meaning. In October 1997, energy management experts in Campus Facilities were given the go-ahead to burn tire-derived fuel (TDF) on a full-time basis. TDF, a fuel derived from scrap tires of all kinds, including whole tires or tires processed into shreds or chips, is environmentally more healthy, less expensive, and keeps Missouri's landscapes cleaner.

This environmental gem of a program uses a mixture of 20 percent shredded one-inch tire chips and 80 percent coal. Burning this mixture cuts sulfur emissions by close to 20 percent and saves the University nearly \$200,000 per year.

The use of TDF as an alternate fuel also helps to eliminate approximately 500,000 waste tires per year from illegal dump sites throughout Missouri. "This is one of the best projects I've ever been involved with," said Ken Davis, manager of power plant engineering and utility distribution at MU. "It saves money, reduces emissions and cleans up illegal tire dumps."

Other key people in the process were Energy Management's power plant superintendent, Gregg Coffin, and senior staff engineer Sharon Stock. Power plant staff assisted with the TDF testing, and loading and unloading of the tire chips.

In 1994, the Missouri Department of Natural Resources gave Campus Facilities a \$49,999 grant to experiment with burning TDF. Once the test burns

Ken Davis, manager of power plant engineering, holds a handful of the chipped tires that MU is burning along with coal in its power plant. The "tire-derived fuel" makes up 20 percent of the fuel mix that powers the plant's boilers, and saves nearly \$200,000 a year in fuel costs.

Rob Hill photo

showed the environmental and economic positives of TDF, it took the power plant until October 1997 to obtain the necessary permits to burn TDF on a permanent basis.

MU acquires tire chips through a partnership with Missouri Vocational Enterprises, a subdivision of the Department of Corrections. Inmates recover tires from Missouri's illegal dumps and then shred the tires in Jefferson City using a \$1 million shredding machine.

The reason TDF was such a perfect fit at MU, but may not be at other facilities around the country, is because of the type of boilers. The University's power plant has boilers in place capable of burning TDF. Facilities without such boilers face modification costs in the millions of dollars.

"We get people calling us all the time asking us about our program but only a few have acted on it," Davis said. "Air permits and other environmental regulations in other states could be problematic and make it difficult to get started. We just had an ideal situation."

When people hear about tires burning, most have images of huge tire dumps producing billowing black smoke. This is not the case with TDF, which burns well within the Environmental Protection Agency standards of safe emissions, but without the black smoke and smelly vapors typically associated with burning tires. In fact, MU's TDF produces lower levels of sulfur dioxide than burning coal.

According to Davis, TDF emissions have a higher energy or heat value than high-sulfur coal. In addition to reduced fuel costs, another major advantage of TDF is the steady elimination of Missouri's 4.2 million waste tires in illegal tire dumps throughout the state. Although MU will burn approximately 10,000 car tires each week, more than 5 million waste tires are generated in Missouri each year.

By saving money and helping the environment, burning TDF is yet another MU project along the lines of environmental programs such as Green Lights and Energy Star Buildings. With millions of waste tires produced each year in Missouri, the environment, the University, and the state's corrections and natural resources departments will benefit for years to come.

This article first appeared in Campus Facilities' newsletter *Facilities Focus*.

TESTING THE LIMITS

Parking structures on campus are sporting new speed limit signs. Effective March 2, the old 5 mph was out and the new 10 mph was in. Jim Joy, director of Parking and Transportation Services, says his office and the campus police department decided that the 5 mph was unreasonable, especially after police officers started using radar.

"About half the vehicles that were stopped did not have a 5 mph indicator on their speedometer," Joy says. "Most start at 10 mph." Joy says the new speed limit is more doable and reasonable. "We still want people to drive cautiously, but from a defense standpoint there

is no reason to have an unrealistic speed limit posted."

ALMA MATER HONORS RICHARD WALLACE

Chancellor Richard Wallace has been named a member of the Medill Hall of Achievement at Northwestern University's Medill School of Journalism. The Medill Hall of Achievement honors alumni leaders who have made great contributions to their fields; it was launched last year, marking the 75th anniversary of the school.

Wallace, a leader in the field of higher education, joins other alumni named to the Hall of Achievement

for their success in newspaper, magazine, television, advertising, public relations, education, law, business and nonprofit organizations. Wallace earned a bachelor's degree from Northwestern in 1958 and a doctorate in economics from Vanderbilt University in 1965.

In addition to his most recent honor, he received a 1990 Faculty Service Award from the National Continuing Education Association, a 1995 J. Rhoads Foster Award for outstanding contributions to the public utility regulatory process, and was named 1997 Communicator of the Year by the

Mid-Missouri Chapter of the Public

Relations Society of America.

AN ENGINEERING EGGS-STRAVAGANZA

The tradition isn't quite as old as St. Patrick himself, but each year Mizzou engineering students take on the challenge of building the ultimate catapult to see which team's contraption can hurl an egg the farthest without breaking it. Spectators can egg on the contestants at 4 p.m. March 16 on the Quad.

It's one of many events during Engineering Week, March 16-20. A barbecue, a dance, contests,

research demonstrations and an award to Jack Kilby, a Dallas engineer who invented the hand-held calculator and the integrated circuit — all are part of the week-long celebration that was originated at MU in 1903.

Others to receive Missouri Honor Medals are Leonard Brackeen, BS ChE '56, vice president of the Houston (Texas) Lighting and Power Co., and Randolph Rolf, BS ME '64, MS '65, president, chairman and chief executive officer of the Unitog Co. of Kansas City. For more information, call 882-3221, or check out the college's Web page at: www.ecn.missouri.edu.

Parking & Transportation Services

Turner Avenue Garage
Level 2
882-4568

We will be happy to contact drivers of vehicles when headlights are on.
Notify us of the permit number displayed so we may respond quickly.

Faculty review tenure

In coming months, MU's Faculty Council will take up a number of issues on tenure and promotion that were raised by a special campuswide faculty task force in a 1996 report.

At a Feb. 26 meeting, the council received recommendations from its faculty affairs committee, which has been reviewing the task force report. That original document included 18 recommendations on possible changes in promotion and tenure policies and procedures. Suggested policy changes included, among others, a mandatory mid-probationary review, adding two additional years to the probationary period, and clarifying the definition of nonregular faculty appointments.

Russ Zguta, chair of the faculty affairs committee, reported his group's review had taken into account input received at open forums last spring, as well as from individual faculty members and from academic departments and divisions. In arriving at its recommendations, the faculty affairs committee made few changes to the task force's 1996 report, Zguta said. "We didn't want to do

violence to the original document."

The faculty affairs committee recommended that several procedural and non-controversial items on promotion and tenure be approved by Faculty Council. It suggested deferring any action on non-regular faculty appointments until a special council task force on the issue completes its work. It also recommended that the remainder of the issues raised in the 1996 report be discussed by Faculty Council and placed on a mail ballot for a vote by the general faculty.

Zguta noted that some recommendations would require approval by the administration or by the Board of Curators.

In other action, council members passed a resolution that noted a two-decade long decline in the number of tenured and tenure-track faculty at MU. That resolution requested the administration to "reverse this trend and to restore a significantly higher number of tenured and tenure-track faculty." A similar resolution was passed earlier this winter by 13 current and former chairs of Faculty Council.

UPCOMING SPECIAL EVENTS:

Meet Oliver North

Author, Radio Personality, Speaker.

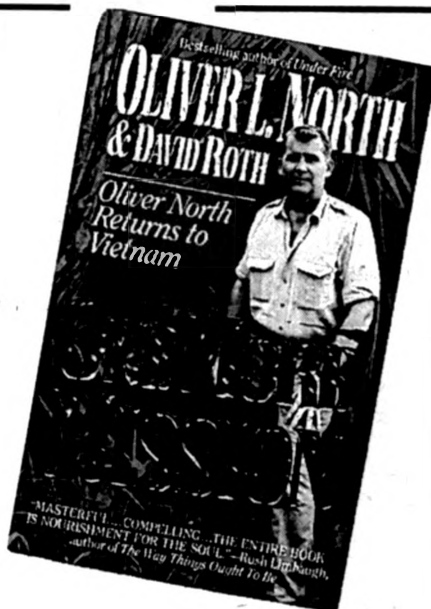
as he signs his book "One More Mission".

WEDNESDAY, MARCH 25, 4-5 P.M.

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MIZZOU WEEKLY

Volume 19 Number 23

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A more pedestrian campus?

Parking group explores closing Rollins to cars during the times classes are in session.

The increase in pedestrian-auto traffic along Rollins Street is leading some members of the parking and transportation committee to push for a portion of the street to be closed to vehicles during closed campus hours.

Jordan Perry, a committee member and officer with the MU Police Department, is one of the proponents of having the section between Hitt Street and Missouri Avenue become part of the pedestrian campus. The idea, which resurfaced at the committee's Feb. 27 meeting, is not new, he says. "It's been discussed in the past and died away. I brought it up again and renewed a lot of interest in the prospect of it. Everybody has recognized the problem during the mid morning and early afternoon hours."

Perry says there's support among other

officers in the police department who want to see the street closed because of illegal parking and an increase in pedestrian-auto accidents. "In our opinion, it would seem a good thing if we would restrict vehicular traffic through there at the busiest times of the day."

If Rollins became part of the closed campus, emergency vehicles, buses, vendors and others who would need to access buildings along the street would be able to do so, Perry says. "This would be just like the other areas of closed campus."

Guy Schupp, parking committee chair, says he agrees with Perry and supports the street being closed. "The area by Brady Commons is heavily congested, and there are some safety concerns," says Schupp, professor of physics. Restricting the street

to automobiles during closed campus hours would alleviate these concerns, he says. "The downside is that people who have been going through Rollins for years will have to take an alternative route to get around," Schupp says. "This will inconvenience students as well as faculty, but it would promote the pedestrian campus to the extent that we want it to."

But closing a street is quicker said than done. A good deal of planning is required before the chains are ever brought out, says Larry Edwards, associate director of Campus Facilities, who has been involved with the pedestrian campus since its beginning, when Lowry Street was closed in the late '60s. "It's not just a matter of doing it, but the decision has to be weighed against the advantages and disadvantages," Edwards says.

At the Feb. 27 meeting, Edwards shared with the group the process for closing or modifying closed campus streets. After all pros and cons are deliberated, Edwards says the group would need to make a recommendation to the vice chancellor for administrative services. From there the proposal would need the approval of the capital review committee before going to the Columbia City Council for its approval since Rollins is a city street.

Closing Rollins falls in line with the general move to make central campus more pedestrian oriented, Perry says, especially since some campus administrators have discussed closing Missouri and Conley avenues. "The campus has undergone quite a bit of construction and change since the late '60s, and I think it's time we caught up with the changes and expanded the closed campus area."

Further discussion on Rollins will take place at the March 26 committee meeting.

Candidates named for A&S dean's job

A campuswide search committee has announced five candidates for the College of Arts and Science dean's position. The five candidates were selected after the committee examined candidates through reference checking, telephone interviews and personal interviews. The five candidates come from a variety of research institutions from around the country and represent different discipline areas.

"The committee is pleased with the quality of these candidates and looks forward to a successful conclusion to this search," said Mel George, chair of the

dean's search committee.

The five candidates are: Charles Johnson, chair of the Department of Political Science at Texas A&M University; Dennis Hall, director of the Institute of Optics at the University of Rochester; Ann Leffler, interim dean of the College of Humanities, Arts and Social Sciences at Utah State University; Richard Schwartz, dean of the Graduate School of Arts and Sciences at Georgetown University; and Michael Hogan, chair of the Department of History at Ohio State University.

NUTRITION EMPHASIS WEEK 1998

The University of Missouri F21C Nutritional Sciences Group cordially invites the Columbia community to attend five special lectures related to the *Selenium in Human Nutrition and Molecular Biology*. These talks will highlight Nutrition Emphasis Week 1998.

Monday, March 16, 11 am

S16 Memorial Union

Dr. Orville A. Levander, Ph.D., Research Leader, USDA Human Nutrition Research Center, Beltsville, Maryland

"Viral Evolution as Driven by Host Nutritional Selective Factors: Influence of Dietary Oxidative Stress"

Monday, March 16, 2:30 pm

Jesse Wrench Auditorium, Memorial Union South

Dr. Orville A. Levander, Ph.D.

The Albert Hogan Memorial Lecture, "Current Issues in Selenium Nutrition: Criteria of Requirement and Overexposure"

Monday, March 16, 4 pm

Jesse Wrench Auditorium, Memorial Union South

Dr. Raymond F. Burk, M.D., Professor and Chair, Department of Medicine, Vanderbilt University, Nashville, Tennessee

The Boyd O'Dell Lecture, "Selenoprotein P: Characteristics and Levels in Human Plasma"

Tuesday, March 17, 3 pm

Acuff Auditorium, MA217 Medical Sciences

Dr. Marla J. Berry, Ph.D., Assistant Professor, Harvard Medical School

"Recoding UGA as Selenocysteine in Eukaryotes: New Insights into Mechanism"

Thursday, March 19, 3:15 pm

209 Gwynn Hall

Dr. Sharon M. Donovan, Ph.D., Associate Professor of Nutrition, University of Illinois

"Enterally administered growth factors enhance intestinal development of pigs on total parenteral nutrition"

Sponsored by Food for the 21st Century Nutrition Cluster, College of Human Environmental Sciences, College of Agriculture, Food and Natural Resources, and the School of Medicine.

All lectures are free and open to the public.

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CALENDAR

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

Concerts & Plays

Friday, March 13

UNIVERSITY CONCERT SERIES:

Classical guitarist Robert Bluestone will perform at 8 p.m. in Jesse Auditorium. For ticket information, call 882-3875.

Saturday, March 14

INDIAN MUSIC CONCERT: The Indian classical music of Karnataka presented by vocalist Lalitha Krishnan and her entourage will be presented at 7 p.m. in Whitmore Recital Hall in the Fine Arts Building.

UNIVERSITY CONCERT SERIES: The Mamas & The Papas will perform at 8 p.m. in Jesse Auditorium. For ticket information, call 882-3875.

Sunday, March 15

OPERA RECITAL: The Show-Me Opera will perform *The Magic Flute* at 3 p.m. in the Missouri Theatre. For ticket information, call 882-4640.

JAZZ SERIES: The Joe Henderson Group will perform at 8 p.m. in Launer Auditorium at Columbia College. Call 882-4640 for individual and season ticket information.

Monday, March 16

WOMEN'S HISTORY MONTH EVENT:

Master storyteller and folklorist Deborah Swanegan will present "Tapestries: A Storytelling Journey" from 12:30-2:30 p.m. in Pickard Hall.

Tuesday, March 17

FACULTY RECITAL: Marcia Spence, assistant professor of music, will perform on French horn accompanied by Janice Wenger on piano and Dan Willett on oboe at 8 p.m. in Whitmore Recital Hall.

Thursday, March 19

UNIVERSITY CONCERT SERIES: The Moscow Chamber Orchestra will perform at 8 p.m. in Jesse Auditorium. For ticket information, call 882-3875.

STUDENT RECITAL: Mary Carlson will conduct works by John Cheetham, Jean Francaix and Charles Gounod at 8 p.m. in Memorial Union's Stotler Lounge.

Courses

Friday, March 13

HUMAN RESOURCES WORKSHOP:

Retha Nichols will present "Tax Deferred Annuities" from 9-11 a.m. in 146 Heinkel Building. Call 882-2603 to register.

Saturday, March 14

WOMEN'S CENTER WORKSHOP:

Certified instructor Linda Lutz will present "Yoga" at 10 a.m. in 229 Brady Commons. Call 882-6621 to register.

Monday, March 16

EMPLOYEE ASSISTANCE WORKSHOP:

"Mid-Life Careers: A Winning Game Plan" will be offered 5:30-7:30 p.m. in 119 Parker Hall. Call 882-6701 to register.

Tuesday, March 17

CONTINUOUS QUALITY

IMPROVEMENT: Joleen Finders will present "Getting Started in CQI" from 8 a.m.-4 p.m. in S203 Memorial Union. Call 882-2603 to register.

Wednesday, March 18

NEW EMPLOYEE ORIENTATION:

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

Thursday, March 19

DISABILITY VIDEOCONFERENCE:

"Beyond the Surface: Implementing ADA in Postsecondary Institutions Serving Deaf and Hard of Hearing Students" will be offered from 11 a.m.-1 p.m. in S203 Memorial Union. With questions, call 882-4696.

Films

Friday, March 13

INTERNATIONAL CENTER FILM: *Cork from Portugal* will be shown at noon in N52 Memorial Union.

Sunday, March 15

WOMEN'S HISTORY MONTH FILM:

Dance, Girl, Dance features Lucille Ball and Maureen O'Hara in the 1940 film directed by early woman director Dorothy Arzner.

Monday, March 16

WOMEN'S HISTORY MONTH FILM:

What's Love Got To Do With It will be shown at 7 p.m. in the Black Culture Center at 823 Virginia Ave.

Lectures

Thursday, March 12

TEACHING RENEWAL LECTURES:

Sonia Nieto, professor of education of the University of Massachusetts-Amherst, will present "What Do Teachers Need to Know About Diversity?" at 9 a.m. and "Affirming Diversity: A Personal, Collective and Institutional Journey" at 11 a.m. in Stotler Lounge in Memorial Union.

INTERNATIONAL AFFAIRS SEMINAR:

Marvin Lewis and Mary Jo Muratore, professors of Romance languages, will present "International Literature: Afro-Romance Studies at MU" at noon in S206 Memorial Union.

MOLECULAR BIOLOGY FORUM:

Randy Prather, associate professor of animal science, and Arturo Brito from the University of Miami School of Medicine will discuss "Animal Cloning — Science and Policy" at 3 p.m. in the Reynolds Alumni Center.

WOMEN'S CENTER PROGRAM:

MU peer rape educators will present "Violent 'Romance' in the Media" at 4 p.m. in 229 Brady Commons.

WOMEN'S HISTORY MONTH EVENT:

Mary Kay Blakeley, associate professor of journalism, will present "Let Them Read Fluff" at 7 p.m. in N222-223 Memorial Union.

ENVIRONMENTAL ENGINEERING

SEMINAR: Jake Joyce, an environmental health scientist with the U.S. Environmental Protection Agency in Kansas City, will present "Overview of Risk Assessment" at 7:30 p.m. in S16 Memorial Union.

Friday, March 13

TEACHING RENEWAL LECTURES:

Chancellor Richard Wallace will discuss "Mission Enhancement and Teaching and Learning at MU" at 9 a.m. in the Memorial Union's Stotler Lounge. Barbara Walvoord, professor of English at the University of Notre Dame, will present "Establishing and Communicating Standards and Criteria for

Students' Higher Order Learning" at noon in N210 Memorial Union and "How to Take Students to a Higher Level of Learning Without Killing Yourself" at 2 p.m. in Stotler Lounge in Memorial Union. To register, call 882-6260.

FORESTRY SEMINAR: Mike Palmer of the Department of Botany at Oklahoma State University will present "Multivariate Analysis in Ecology" at 3 p.m. in 2-34 Agriculture Building.

MOLECULAR BIOLOGY LECTURE:

Michael Rosbash, professor of biology at Brandeis University, will present "Molecular Genetics of *Drosophila* Circadian Rhythms" at 3 p.m. in Ellis Auditorium.

ECONOMICS SEMINAR: Dietrich Earnhart from the University of Kansas will present "Environmental Crime and Punishment in the Czech Republic: Penalties Against Firms and Employees" at 3:30 p.m. in 211 Middlebush Hall.

CHEMISTRY COLLOQUIUM: Marcetta Darensbourg from Texas A&M University will present "On the Trail of Structural and Functional Models for [NiFe] Hydrogenase" at 4 p.m. in 103 Schlundt Hall.

Saturday, March 14

WOMEN'S HISTORY MONTH EVENT:

Ritual drumming, dance and poetry are intermingled in a performance collaboration titled "Women's Words & Rhythms" at 7:30 p.m. in A.P. Green Chapel in the south wing of Memorial Union.

Monday, March 16

NUTRITION WEEK LECTURES:

Orville Levander, research leader with the USDA Human Nutrition Research Center in Beltsville, Md., will present "Viral Evolution as Driven by Host Nutritional Selective Factors: Influence of Dietary Oxidative Stress" at 11 a.m. in S16 Memorial Union; and "Current Issues in Selenium Nutrition: Criteria of Requirement and Overexposure" at 2:30 p.m. in Memorial Union Auditorium. Raymond Burk, professor and chair of medicine at Vanderbilt University, will present "Selenoprotein P: Characteristics and Levels

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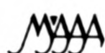
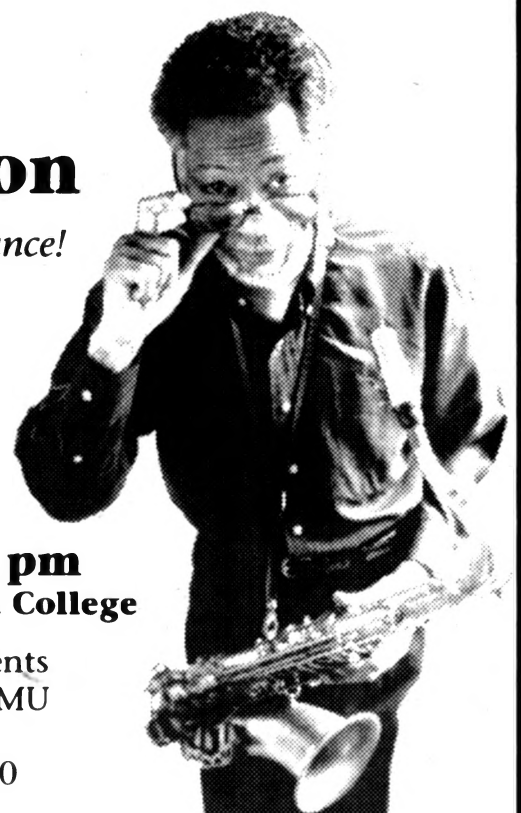
With

Conrad Herwig, Trombone
 Renee Rosnes, Piano
 Tony Dumas, Bass
 Francis Wyatt, Drums

Sunday, March 15, 8 pm

Launer Auditorium, Columbia College

Tickets: \$19 public, \$17 students
 Brady Commons Box Office, MU
 Streetside Records
 Info/Charge: (573) 882-4640



Jazz on Film

"Mingus: Charles Mingus-1968" &
 "The Bill Evans Trio"

Thursday, March 19, 7 pm
 Columbia Public Library (Free)



The Campus Master Plan

Mizzou's Campus Master Plan is an ongoing process that began in 1980 to

study the use of campus land and buildings for optimum efficiency and aesthetic appeal.

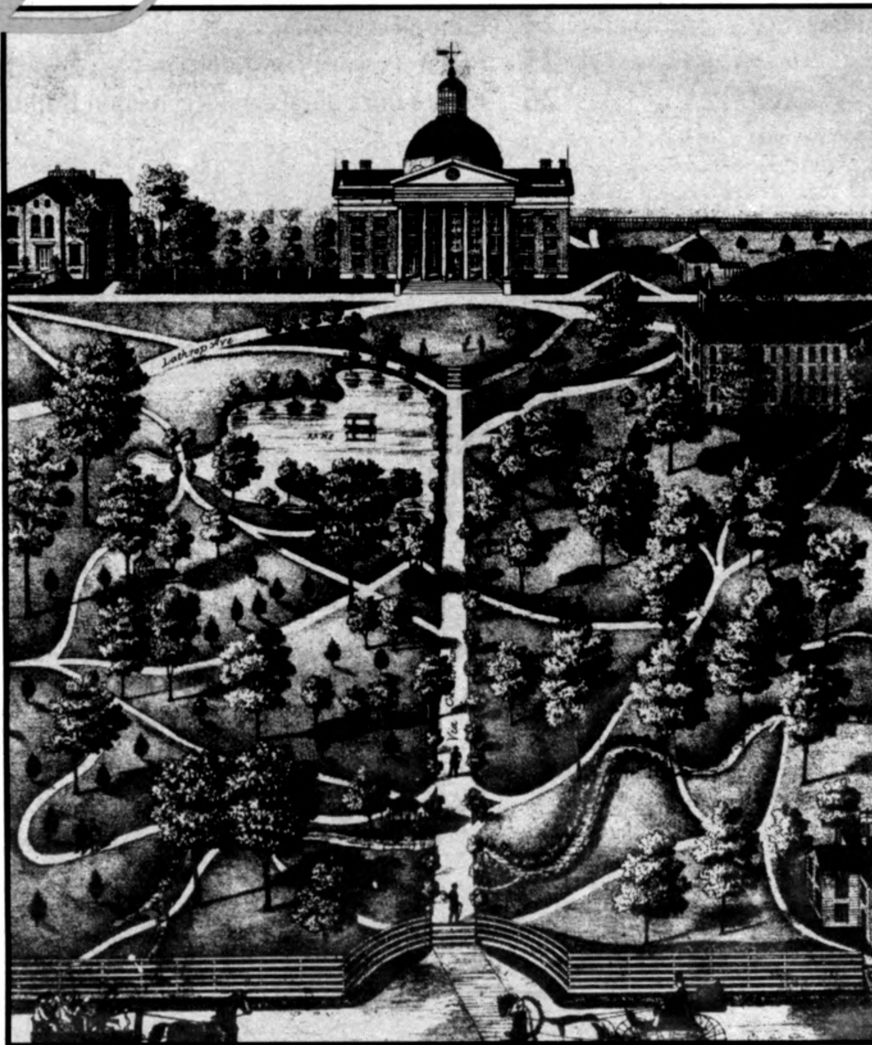
This supplement summarizes the plan's accomplishments, shown on the map inside, and the next steps in the process. Readers' comments are welcome — feel free to write in the margins and return the supplement to the campus planning committee, c/o Ruth Brent, chair, 142C Stanley Hall.

Comments and reactions from the University community have helped to shape the plan. The campus planning committee includes faculty, staff and students. The group advises the vice chancellor for Administrative Services on campus planning issues.

In forming the plan, more than 55 public hearings have been held for the campus and the community over the past 13 years. They included slide shows and status reports on space needs and specific projects. Progress reports are presented annually in open meetings.

This year, the open forum will be held at noon March 16 in N208 Memorial Union. New ideas always are welcome.

A central concept of the master plan is to build on Mizzou's traditional campus to create a unified, efficient environment that



Academic Hall was the focus of the campus in 1875.

THE PLAN BUILDS ON TRADITION TO CREATE AN INVITING CAMPUS.

is inviting to students and conducive to teaching, research and support services. It also seeks to strengthen ties of cooperation between the campus and neighboring Columbia.

Until his death last year, consultant Jack Robinson helped guide MU's master planning process since its inception. "Building projects and adequate parking are under constant study and modification," Robinson said. "For a successful total campus, however, they should be developed within a strong, handsome sequence of major open spaces and of major cross-campus pedestrian ways. Mizzou's system of quadrangles, courtyards, malls and playing fields can be linked, improved and extended to help unify the total campus."

The general objectives for the plan (see box) are intended to help test the plan concepts and proposals, and specific projects as they are developed. The objectives are consistent with the Board of Curators' 1981 policy statement, which includes as a goal "to maintain and make more efficient and attractive the University's physical plant."

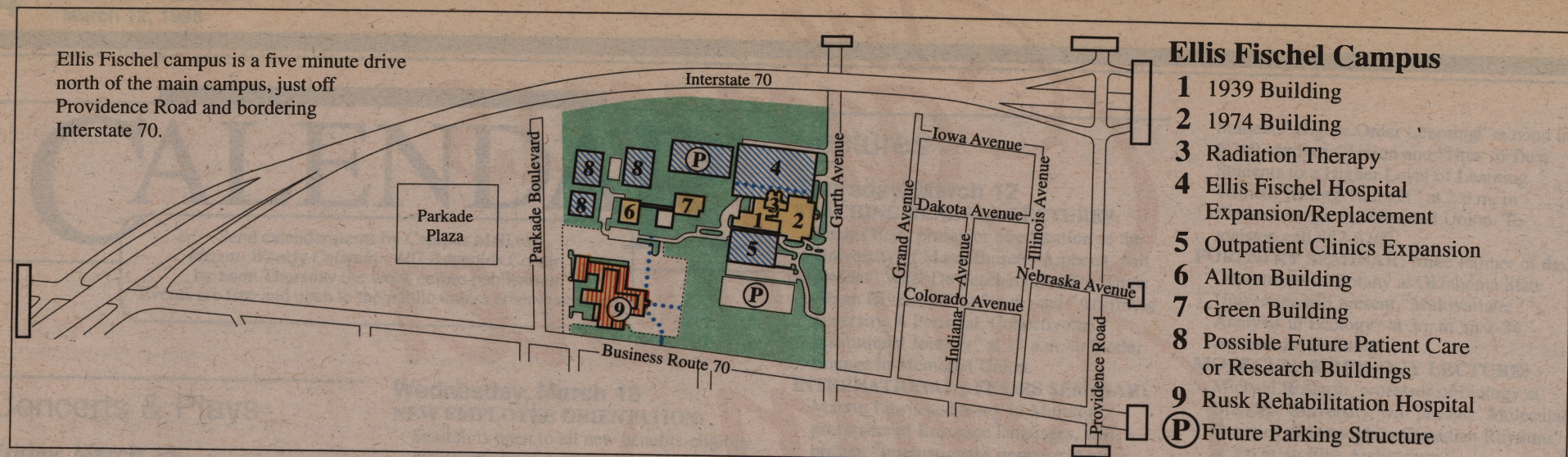
The objectives have helped to shape projects recently completed and those now in process. The interesting story is not in any one project, but in the way in which they reinforce each other. With the plan's overall guidance, campus improvements should blend in with their surroundings so well that they will appear to have been there from the start.

MASTER PLAN DRAWINGS APPEAR ON THE NEXT TWO PAGES.

PLANNING PRINCIPLES

- **PRIDE OF THE STATE:** visual and functionally expressive of the importance of this campus to the state of Missouri
- **RECRUITMENT-RETENTION AID:** environmental qualities which help attract and hold faculty, staff and students
- **STRONG "SENSE OF PLACE":** distinctive and memorable to entering freshmen and visiting scholars alike
- **UNIFIED TOTAL CAMPUS:** the totality of the campus revealed and clarified to all observers, dominating component parts
- **DIVERSITY WITHIN THE UNITY:** clarifying and expressing the variety of activities, of people, of inheritance from the past
- **PEDESTRIAN DOMINANCE:** visual and functional pedestrian dominance over vehicles within the campus
- **VEHICLES RECOGNIZED:** the needs of an automobile-oriented society accommodated gracefully without being permitted to dominate pedestrians within the campus
- **FUNCTIONAL ADEQUACY:** each activity of the campus with facilities appropriate for its purposes; not constrained, not lavish, but adequate
- **RESPONSE TO ACCESSIBILITY NEEDS:** continuing the campus tradition of providing optimal access to people with disabilities
- **PROXIMITIES ENHANCED:** activities located close to each other whenever required or potentially beneficial
- **EXPANSION OR RELOCATION PROVIDED:** clear identification of at least one logical way for expansion (or relocation) of an activity, should such a change be desirable
- **RESPONSIVE TO CLIMATE:** careful design of building and of landscape so as to serve as models for others in similar climates
- **RESPECT FOR INHERITANCE:** accenting and continuing the topographic and architectural history of the best parts of the campus
- **RESPECT FOR NEIGHBORS:** avoiding adverse impacts and cooperating wherever possible to achieve civic objectives





New Buildings Recently Completed:

- 1 A.L. Gustin Golf Course Clubhouse
- 2 Anheuser Busch Natural Resources Building
- 3 Brady Bookstore Addition
- 4 Chemistry Building Addition
- 5 Memorial Stadium Improvements
- 6 Resource Recovery RAD Waste Building
- 7 Track/Soccer Complex Improvements
- 8 Veterinary Medicine Addition and Renovation

Other Potential Construction:

- 23 Future Academic and Research Buildings
- 24 Future Greenhouses
- 25 Future Power Plant Addition
- 26 Future Intramurals and Recreation Building

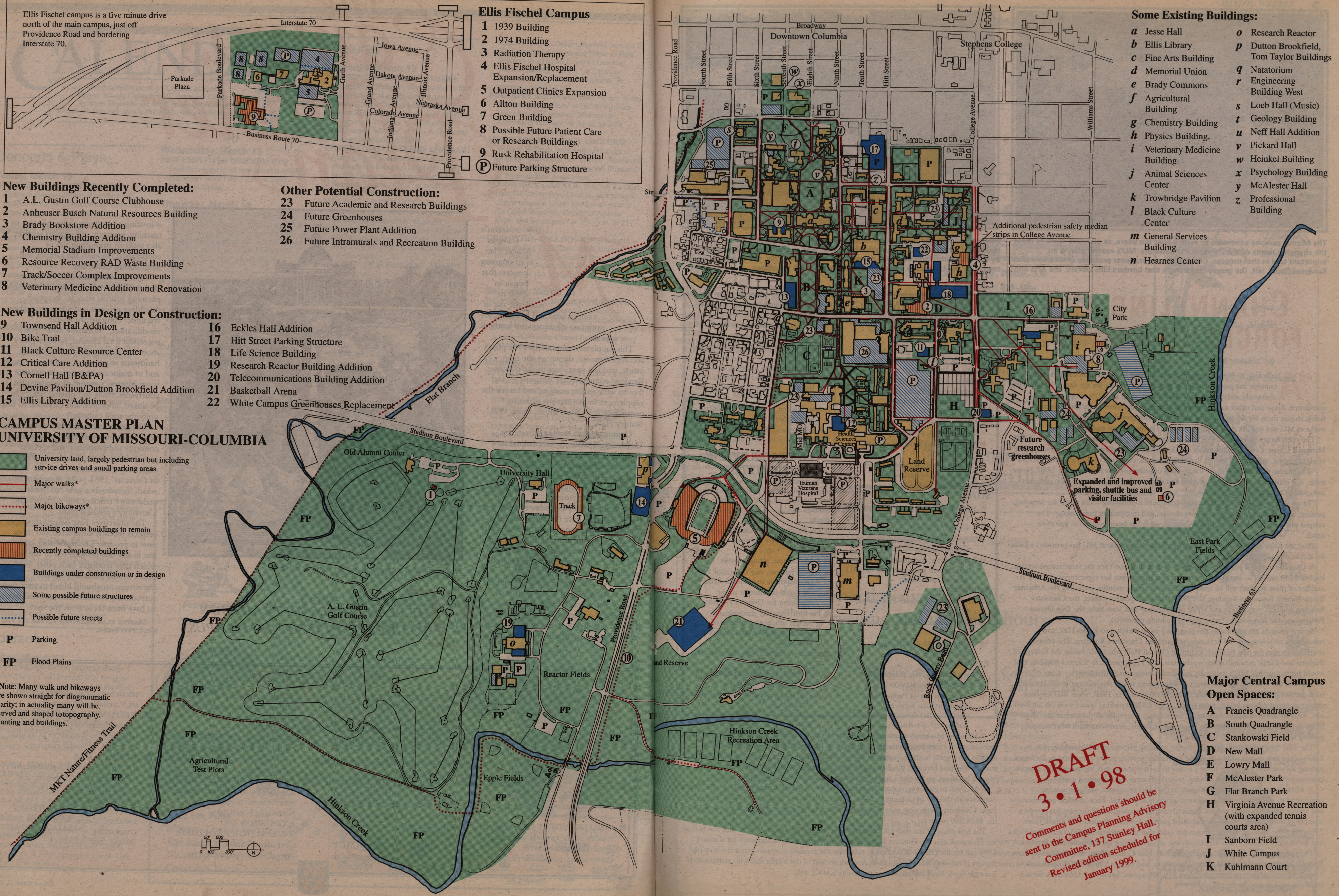
New Buildings in Design or Construction:

- 9 Townsend Hall Addition
- 10 Bike Trail
- 11 Black Culture Resource Center
- 12 Critical Care Addition
- 13 Cornell Hall (B&PA)
- 14 Devine Pavilion/Dutton Brookfield Addition
- 15 Ellis Library Addition
- 16 Eckles Hall Addition
- 17 Hitt Street Parking Structure
- 18 Life Science Building
- 19 Research Reactor Building Addition
- 20 Telecommunications Building Addition
- 21 Basketball Arena
- 22 White Campus Greenhouses Replacement

**CAMPUS MASTER PLAN
UNIVERSITY OF MISSOURI-COLUMBIA**

- University land, largely pedestrian but including service drives and small parking areas
- Major walks*
- Major bikeways*
- Existing campus buildings to remain
- Recently completed buildings
- Buildings under construction or in design
- Some possible future structures
- Possible future streets
- P Parking
- FP Flood Plains

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



Some Existing Buildings:

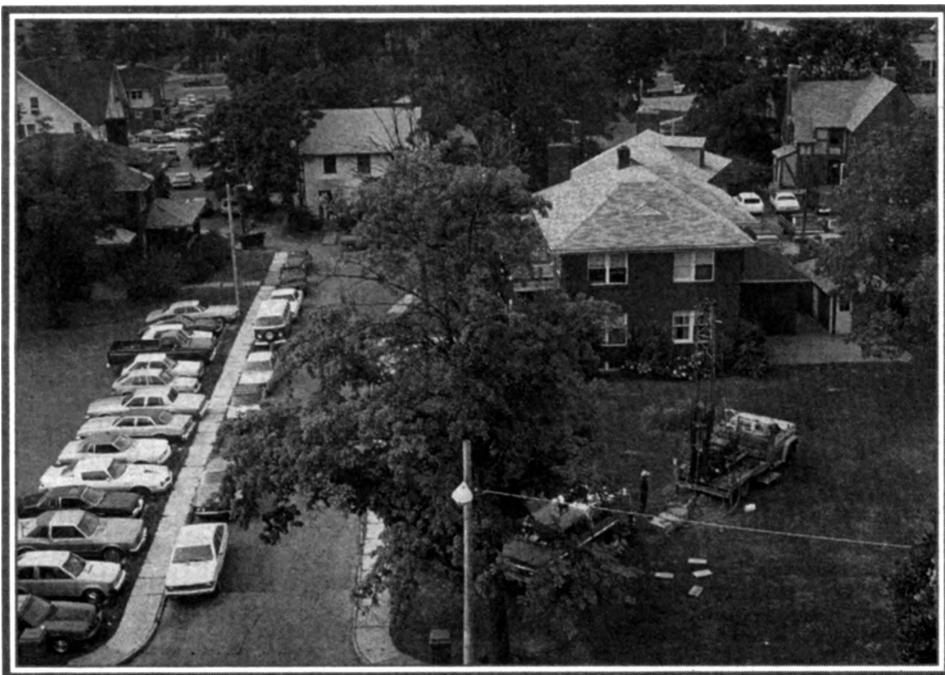
- | | |
|--------------------------------|---|
| a Jesse Hall | o Research Reactor |
| b Ellis Library | p Dutton Brookfield, Tom Taylor Buildings |
| c Fine Arts Building | q Natatorium |
| d Memorial Union | r Engineering Building West |
| e Brady Commons | s Loeb Hall (Music) |
| f Agricultural Building | t Geology Building |
| g Chemistry Building | u Neff Hall Addition |
| h Physics Building | v Pickard Hall |
| i Veterinary Medicine Building | w Heinkel Building |
| j Animal Sciences Center | x Psychology Building |
| k Trowbridge Pavilion | y McAlester Hall |
| l Black Culture Center | z Professional Building |
| m General Services Building | |
| n Hearn Center | |

Major Central Campus Open Spaces:

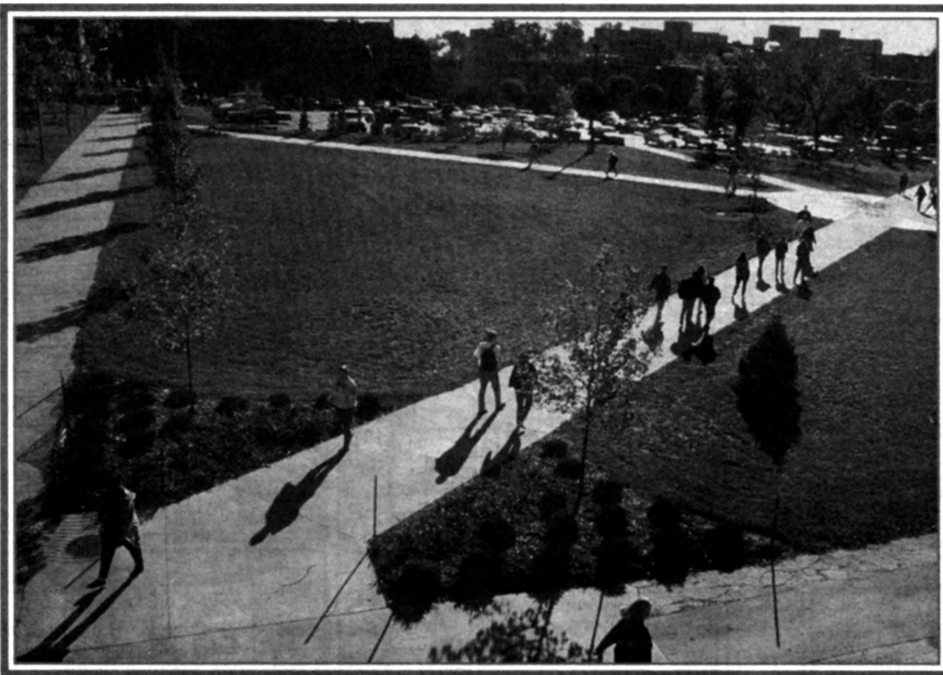
- A Francis Quadrangle
- B South Quadrangle
- C Stankowski Field
- D New Mall
- E Lowry Mall
- F McAlester Park
- G Flat Branch Park
- H Virginia Avenue Recreation (with expanded tennis courts area)
- I Sanborn Field
- J White Campus
- K Kuhlmann Court

DRAFT
3.1.98

Comments and questions should be sent to the Campus Planning Advisory Committee, 137 Stanley Hall. Revised edition scheduled for January 1999.



The Mizzou campus continues to evolve over the years, as planners work to meet the changing needs of the University community. MU's master plan is an important tool in that process. Current Mizzou students probably don't know that Kuhlman Court, left, the grassy quadrangle that borders Ellis Library, the Arts and



Science Building and Brady Commons, was named for what once was a residential street, right, in a neighborhood that was surrounded by the campus. By the time Kuhlman Court was demolished in the late 1970s, the buildings were owned by the University and most of them were used for offices.

CHANNELING THE FORCES OF CHANGE

According to noted campus planner Richard Dober, a great campus must ennoble the past, enhance the present and provide for the future by balancing continuity and change, says Ruth Brent, chair of MU's campus planning committee. Brent and other members of the planning committee invite the University family to join them for an open forum that will explain how the master planning process works at MU and will ask the campus community to share ideas and comments.

The open forum will be held this year from noon to 1 p.m. Monday, March 16 in N208 Memorial Union. Larry Edwards, associate director of Campus Facilities, will present slides of photographs, maps and drawings that document the evolution of the campus.

"The master plan captures these forces in an ongoing process that began in 1980. Never static, our master plan evolves just as users and their needs change," says Brent, professor and chair of environmental design.

"In an orchestrated manner, there is commitment to satisfying social needs for bicycling, parking, accommodating campus support services and recognizing our heritage. The campus planning committee for facilities and grounds has been engaged in just these issues."

Here are some examples of how the master planning process at MU has provided a focus for a changing campus:

- Over the next few years, the University community won't see the same record-setting level of \$140 million in construction projects that the campus has experienced recently. A number of those projects will be completed in the coming months, including the Anheuser-Busch Natural Resources Building, the Black Culture Resource Center, the Chemistry Building addition, renovation and repair of Connaway and Jesse halls, the Dan Devine Pavilion and the Brookfield/Taylor athletic building expansion.

Several projects get under way this year, such as an addition to Eckles Hall, and renovations to Townsend and Schlundt halls and the Chemistry Building. The campus continues to plan for new facilities, including Cornell Hall, which will house the College of Business and Public Administration's programs, and a proposed Life Sciences Building that would bring together MU's nationally recognized programs in that area.

- When the 1,800-space Hitt Street parking garage opens this summer it will boost the total campus parking capacity to more than 20,000 spaces. In 1980, when MU's formal master planning process began, most of the nearly 10,000 parking spaces were on unpaved lots, without storm drainage, lighting or landscaping. Currently, all the surface lots boast those improvements. When the Hitt Street garage opens, nearly one-third of all campus parking spaces will be in multi-story structures.

The Hitt Street project highlights another evolving priority of MU's parking plan — 1,400 of the new spaces will be available for student parking in the core campus. Increased parking for students continues to be a major focus as planners seek input from the campus community to identify sites and develop projects to meet future parking needs.

- Mizzou has a finite amount of space in the heart of campus, and planners are committed to using that valuable resource as wisely as possible. Because some administrative and service functions don't require a central campus location, the University has moved a number of those operations to the industrial park on Lemone Boulevard in recent years. "This takes the pressure off the campus for space that ultimately is needed for academic uses and for student services," says Kee Groshong, vice chancellor for Administrative Services.

Operations such as Printing Services, the Bulk Mail Center, University of Missouri Press, Records Management, the UM library depository, and various University Hospital and Clinics support services occupy more than 330,000 square feet in four University-owned buildings on Lemone Boulevard.

CAMPUS PLANNING COMMITTEE

The campus planning committee advises the vice chancellor for Administrative Services on the facility needs of the campus. Members for 1997-98 are:

CHAIR:

- Ruth Brent, professor and chair of environmental design

FACULTY:

- Warren Atkinson, professor of theater
- Speer Morgan, professor of English
- Michael Nolan, professor of rural sociology
- Osmund Overby, professor of art history and archaeology
- Earl Wilson, professor of accountancy

STAFF:

- Scott Shader, manager of the Space, Planning and Management office in Campus Facilities
- Steve Simpson, assistant director of Campus Dining Services
- Jon Stephens, coordinator for alumni and student programs with the MU Alumni Association

STUDENTS:

- Pat Fanning, Graduate Professional Council
- Chris Hemeyer, Missouri Students Association
- Mindy Ruff, Missouri Students Association

EX-OFFICIO:

- Kee Groshong, vice chancellor for Administrative Services
- Jim Joy, director of Parking and Transportation Services

- Charles Koelling, professor emeritus of education
- Chris Koukola, assistant to the chancellor for University Affairs
- Frankie Minor, director of Residential Life
- Pat Morton, chief planning and budget officer and director of Institutional Research, Budget and Planning
- Alan Warden, assistant vice chancellor for facilities
- Sarah Weaver, director of Disability Services

CAPITAL REVIEW COMMITTEE

The capital review committee reviews campus planning and project issues for recommendation to the chancellor. Members are:

CHAIR:

- Kee Groshong, vice chancellor for Administrative Services

MEMBERS:

- Brady Deaton, acting provost
- Harold Jeffcoat, vice chancellor for Development and Alumni Relations
- Chris Koukola, assistant to the chancellor for University Affairs
- Pat Morton, chief planning and budget officer and director of Institutional Research, Budget and Planning
- Charles Schroeder, vice chancellor for Student Affairs
- Gary Smith, registrar and director of Admissions
- Alan Warden, assistant vice chancellor for facilities

- Members of a newly formed historic preservation committee will study the impact that renovations or other improvements might have on historic buildings at Mizzou. "Our campus has a great heritage," explains Larry Edwards, chair of the committee. "We don't want to lose that heritage. We should give careful thought to our decisions about these historic buildings, so we don't regret those decisions somewhere down the road."

- MU will begin construction this summer on a new biking trail that will link the central campus with the city of Columbia's MKT Nature and Fitness Trail and the Katy Trail State Park. University funds were used to leverage federal grants that will pay nearly two-thirds of the \$578,000 project.

The first phase of the trail will begin near the Student Recreation Center and run behind the Hearnes Center to Hinkson Creek Recreation Area. Construction plans for summer 1999 call for the trail to be continued east from the recreation area to connect with a trail the city is building from Capen Park. Another section of the biking trail will continue west through Epple Field and connect with the city's MKT trail.

in Human Plasma" at 4 p.m. in Memorial Union Auditorium.
MICROBIOLOGY SEMINAR: Mark Bix from the University of California-San Francisco will present "Probabilistic Cytokine Gene Expression During Effector T Cell Development" at 1:30 p.m. in M437 Medical Science Building.
SOIL SCIENCE SEMINAR: Don Schuster of MU's Food and Agricultural Policy Research Institute will present "Soil and Water Conservation Activities" at 4 p.m. in 133 Mumford Hall.

Tuesday, March 17
PHARMACOLOGY SEMINAR: Yehnew Agazie, postdoctoral fellow in molecular biology, will present "Rho Associated Protein Kinases ROKa, Blins Insulin Receptor Substrate 1 and Modulates Insulin Signaling" at noon in M558 Medical Sciences Building.
NUTRITION WEEK LECTURE: Marla Berry from Harvard Medical School will present "Recoding UGA as Selenocysteine in Eukaryotes: New Insights into Mechanism" at 3 p.m. in Acuff Auditorium, MA217 Medical Sciences Building.
BIOLOGICAL SCIENCES SEMINAR: Haven Wiley from the University of North Carolina will present "Signal Detection and Animal Communication" at 3:30 p.m. in 18 Tucker Hall.
WOMEN'S CENTER PROGRAM: The MSA Craft Studio staff will present "How to Take Better Photos" at 5 p.m. in 229 Brady Commons. Please bring a camera if you have one.

Wednesday, March 18
MIDDAY GALLERY EVENT: Goodie Bhullar, librarian at Ellis Library, will present the film *India and the Infinite: The Soul of a People* at 12:15 p.m. in the Museum of Art and Archaeology in Pickard Hall.
WOMEN'S CENTER PROGRAM: Jerri Crook, freelance writer and editor, will present "WomanWorks" at 7 p.m. in 229 Brady Commons.

Thursday, March 19
INTERNATIONAL AFFAIRS SEMINAR: Julie Kyllonen Rose, director of international student affairs at Western Illinois University, will present "Saudi Women and the 21st Century: Impacts of Modernization" at noon in S207 Memorial Union.
NUTRITION WEEK LECTURE: Sharon Donovan, associate professor of nutrition at the University of Illinois at Urbana-Champaign, will present "Enterally Administered Growth Factors Enhance

Intestinal Development of Pigs on Total Parenteral Nutrition" at 3:15 p.m. in 209 Gwynn Hall.

Friday, March 20
FORESTRY SEMINAR: Ken Tourjee of the Center for Agroforestry will present "Factor Analysis of Peach Fruit Color: A Statistical Substitute for Biochemical Analysis" at 3 p.m. in 2-34 Agricultural Building.

Continued on Page 6

The Master Plan


- A Public Hearing -

Monday, Mar. 16
Noon - 1p.m.
N208, Memorial Union North

You're invited to a presentation on the Campus Master Plan. Larry Edwards, associate director of Campus Facilities, will discuss the growth of the campus and highlight upcoming construction projects.

You're encouraged to offer comments and suggestions during the question-and-answer period.

Check out the Master Plan Web site at:
www.cf.missouri.edu/mplan.htm





Brazilian Carnival

Saturday, March 14
9 pm to 1 am

Stotler
Lounge,
Memorial
Union

*free & open to
the public*

*Live music by
Chicago Samba School*

sponsored by
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GLBSA • International Center • Ellis Library
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University Physicians—Green Meadows

General pediatrics offers evening and weekend hours

Extended hours for your convenience

University Physicians—Green Meadows is pleased to announce the General Pediatrics clinic now offers evening and weekend hours. Appointments can be made to see physicians during the following hours:

- 8 a.m.-8 p.m. Monday through Thursday
- 8 a.m.-5 p.m. Friday
- 9 a.m.-12:30 p.m. Saturday (winter hours)

Quality physician team

The following physicians specialize in general pediatrics at University Physicians—Green Meadows:

- Sandra Antonovic, MD
- Willard Avery, MD
- Laurie Fowler, MD
- Lori Frasier, MD, clinic director
- Harsha Patel, MD
- Thomas Selva, MD
- Shiv Someshwar, MD
- Margaret Wang, MD

Convenient pharmacy and clinic locations


University Physicians—Green Meadows offers a pharmacy open during the following hours:

- 8:30 a.m.-8 p.m. Monday through Thursday
- 8:30 a.m.-5 p.m. Friday

The pharmacy and clinic are located at 3217 S. Providence Road.

Call today

New patients are welcome. For more information or to schedule an appointment, please call (573) 882-4730.



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Meetings

Thursday, March 12

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

Special Events

Saturday, March 14

INTERNATIONAL CENTER EVENT: "Brazilian Carnival" will feature music by the Chicago Samba School from 9 p.m.-1 a.m. in the Memorial Union's Stotler Lounge.

Monday, March 16

MU MASTER PLAN HEARING: Larry Edwards, associate director of Campus Facilities, will conduct a presentation and discussion of the campus master plan at

noon in N208 Memorial Union.

ANXIETY DISORDERS SCREENING

DAY: This free behavioral health awareness program includes a self-assessment, educational materials and the opportunity to consult with a behavioral health professional from 9 a.m.-4 p.m. at the MU Student Health Center. With questions, call 884-6788.

ENGINEERS WEEK: A banquet, barbecue, contests, open house, a dance, and various other events are all part of this special week, to be celebrated in the College of Engineering through March 21. Call 882-3221 for complete schedule, or check out the college's Web page at www.ecn.missouri.edu.

Tuesday, March 17

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

MU POLICE EVENT: "Partnership and Problem Solving" is designed to help

students and other members of the University community become more acquainted with the MU Police Department from 6-7 p.m. in Memorial Union's Stotler Lounge.

Wednesday, March 18

SURPLUS PROPERTY AUCTION:

Numerous surplus items, from printers to paint mixers, will be auctioned beginning at 10 a.m. at the Surplus Property Warehouse

on Capen Park Road, south of Stadium Boulevard. Call 882-4912 for more information.

Thursday, March 19

PHI ZETA DAY: The honor society of veterinary medicine will host a day of presentations by students, interns and residents beginning at 10 a.m. and will end the day with a banquet. For information and banquet cost, call 882-7228.

Hosted by Japanese Students
Association

International Coffee Hour

Enjoy traditional Japanese tea and
an origami demonstration

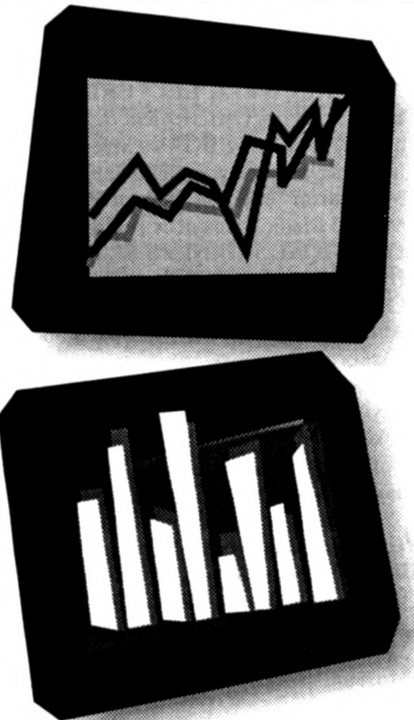
Wednesday, March 18, noon-2 pm
Union Square Cafe
Memorial Union North



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Christy Voelker

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Scholar-Athlete of the Week

Sport Swimming, backstroke

Major Secondary Biology Education

How do you think the academic knowledge and sports experience you have gained at MU will help you in pursuing your future goals?

"Every experience that a person has I feel will learn from it and use it some time in their life, but you never know until you re-encounter the situation."

What are your plans for the future?

"I plan to become a secondary biology educator and then go on and get my masters in counseling. Basically I would like to be there for children when they are in need of help or advice."

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FOR THE RECORD

The campus health care oversight committee has established a website to make it even easier for the University community to provide input about experiences with the University's medical benefits plan. The committee advises the chancellor on health care issues, helps in the continuing evaluation of health care plans, and works to evaluate the needs and resources related to health and wellness of all members of the campus community, including

retirees. Committee members want to hear from faculty, staff and retirees about any issue that bears on the quality of health and medical services in the University's benefit package. The committee's homepage is located at:

www.missouri.edu/~ansar/choc

You won't have to scream for ice cream on Saturdays anymore. Beginning this Saturday, March 14, Buck's Ice Cream Place in Eckles Hall will be open for you to snag your favorite flavor. And this Saturday only you can get a double dip for the price of one. Buck's hours are now noon to 5 p.m. Monday through Saturday.

Classifieds

FOR SALE

Two burial vaults in the Memorial Park Cemetery Mausoleum. All reasonable offers will be considered. If interested, please call for more information. (660) 848-2088.

Three years old, 1700 square feet, 3 bedroom, 2 bath ranch near Twin Lakes. Large rooms, including utility, vaulted ceilings, jetted tub. Quiet Neighborhood. 2308 Cherry Ridge Lane, \$108,900. 442-0621.

3 bedroom house. Has large kitchen, nice family room, central air, large backyard, car port, storage shed. Includes appliances. Recently painted. \$58,000. Call 449-7285 for information.

SERVICES

Ph.D. in English with twenty years college teaching, experienced in editing, will edit books, proposals,

dissertations, articles, major papers or presentations. (573) 446-0595 during normal office hours.

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MISCELLANEOUS

Co-housing community forming in Columbia. Looking for partners in developing a more sharing, caring way of life. For a presentation or more information call Jay, Casey or Kathy at 814-3632.

The Classified Advertising Section is open to faculty and staff members, and retirees. A home phone number is required in all ads.

No refunds will be given for cancelled ads.

Ads must be typed.

Rates: 30-word maximum \$5.

Deadline: Noon Thursday of week before publication.

Mizzou Weekly Classifieds: Make your check payable to University of Missouri and send to Mizzou Weekly, 407 Reynolds Alumni Center, Columbia, Mo. 65211. Attention: Tanya Stitt.

Information and Access Technology Services Computer Courses

Registration 573/882-6006

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

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

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

MARCH

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

Monday	Tuesday	Wednesday	Thursday	Friday
16 SQL part 1: 9am - 11am Mac: 1pm - 4pm *SAS part 1: 6pm - 9pm	17 Lists, Tables, Graphics: 9am - Noon Windows95: 1pm - 4pm *Internet: 6pm - 9pm	18 Frames, Image Maps, SSIs: 9am - Noon Advanced Word: 1pm - 4pm *SAS part 2: 6pm - 9pm	19 Homepage: 9am - Noon SHOWME: Pine: 1pm - 4pm	20 Excel: 9am - Noon *SAS part 3: 6pm - 9pm Electronic Class Rosters/EDOG: 2pm - 4pm

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Columbia, MO 65211

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Notes	

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