

MIZZOU

W E E K L Y

University of Missouri-Columbia / Jan. 20, 1993

First things first

New group will take a hard look at University's efforts to meet hazardous waste guidelines.

MU is beefing up the way hazardous materials are handled on campus. In December, Provost Gerald Brouder named faculty, administrators and research staff to a new campuswide group that will examine ways to ensure that MU meets the strict federal regulations for handling hazardous materials.

The hazardous materials management committee will take a hard look at everything from new methods to track these substances while they're on campus, safety education in the laboratory, to ways to reduce and recycle hazardous materials.

"I think we are imposing upon ourselves higher standards for what we do, both in the classroom and in the laboratory," Brouder told the group at its first meeting. "We do this out of a concern for the environment and for those with whom we work. We meet as a community of responsible citizens first and as a community of scholars second."

"This is not an insurmountable task. We need the expertise, recommendations and advice of the entire University

community. We have to be very careful that we don't create some monstrous bureaucracy; there has to be balance here."

Some of the policies and procedures the committee will help develop are:

- identification of all potential or actual hazardous materials, and reducing or eliminating them.
- a method for recycling hazardous materials.
- a way to identify MU employees responsible for using or managing hazardous material. Once these individuals are identified, training programs will be established to ensure that policies are carried out.
- improved laboratory safety practices.

Jackie Jones, associate vice chancellor for Administrative Services, noted that many universities around the nation are reaffirming the high priority of managing hazardous materials safely.

"We have a lot of expertise on this campus, which can make a big difference," she says. "We will need everyone's help to develop a plan that is the least disruptive to the research community. The challenge will be to change habits and routines that are well entrenched. We have to develop the awareness of individual responsibility for every person on campus."

For more information about the work of the committee,

ON THE INSIDE

Page 2 Sound off! The University community is invited to open hearings on the Campus Master Plan Feb. 16 and 17.

Page 3 The School of Journalism is sponsoring a conference Feb. 3 through 6 on rock music, mass media and society.

Page 5 An upcoming workshop could help determine whether an environmental studies program comes to Mizzou.

Kiesler to 'rap' with staff

Staff members are invited to a "rap session" with Chancellor Charles A. Kiesler from 11:30 a.m. to 1 p.m. Feb. 2 in Townsend Auditorium.

"This is a great opportunity for staff to meet our new chancellor, ask questions and relay concerns they may have about the University," says Linda Cook, chairwoman of the Staff Advisory Council and executive staff assistant II in the Office of the Provost.

Staff members are welcome to bring their lunches, and to stay for part or all of the session.

contact Jim Beckett, director of Environmental Health and Safety, at 882-7018.

Chairman of the committee is Elmer Schlemper, professor and chairman of chemistry. Other members are Richard Adams, professor and interim dean of veterinary medicine; Scott Campbell, assistant professor of medicine; John David, associate professor and director of biological sciences; Sudarshan Loyalka, professor of chemical engineering; Virginia Peterson, assistant professor of biochemistry; Michael Philips, assistant executive director of University Hospital; John Poehlmann, research associate at Bradford Farm; Trygve Veum, professor of animal sciences; Kenneth Finley, coordinator of special projects at Business Services; Jim Beckett and Jackie Jones.

Off and running

Research Board gives young faculty a head start.

Think of the earth as an egg. That's the way Mian Liu begins an explanation of his research. The egg shell is the earth's crust; the yolk is the earth's core. To complete the metaphor, the egg white is the earth's mantle.

Liu, assistant professor of geological sciences, is using numerical modeling to simulate changes in the mantle as the earth has cooled. His research got a big boost last month when he received one of the first grants from the UM Research Board.

He was one of 39 researchers in the UM System who received a total of more than \$1 million in grants during the first round of awards. This year there will be three more rounds of awards, with grants totaling \$4 million. The money comes

from reallocations in the UM central administration and from the Weldon Springs fund.

Liu's research could help scientists better understand the dynamic forces at work in the earth's mantle, the forces that cause earthquakes and volcanic eruptions. There is a large temperature difference between the top and the bottom of the mantle, and hot mantle material must move to the surface to release heat. This process is called convection.

The mantle stretches for nearly 3,000 kilometers below the earth's crust, much too deep to probe with drills. Scientists can use seismic studies to gather information about the earth's mantle.

But the earth's mantle moves in a time scale of millions of years, so seismic studies can only show a snap shot in time. Liu is using a computer and numerical modeling to

simulate how mantle convection has changed over billions of years as the earth cools.

For Liu, the Research Board award means that he can get to work on his project immediately, without having to wait for outside granting agencies, such as the National Science Foundation, to complete a lengthy review process. He says the first stage of his project should take about a year. Then, with results in hand, he'll be in a better position to compete for grants from external agencies.

Ray Ethington, professor and chairman of geological sciences, agrees with Liu's assessment. "These awards from the Research Board give young faculty a running start. Face it — when it comes to securing funding

for your research, a track record is important," Ethington says.

"In many cases it really is a Catch-22 for faculty who are just starting out. You can't get there from here."

Liu's grant from the board could make a big difference in future research funding, Ethington adds. "If he is successful with this research, he will be propelled into the forefront of young scientists in this field."

That's the whole idea behind the Research Board, says Boyd O'Dell, executive secretary of the board and professor emeritus of biochemistry. "One big objective of this program is to give young researchers the leverage to bring in grants from outside sources," O'Dell says. "These awards are primarily to fund excellence and to help excellent young faculty."

More information on the research board and a complete list of MU winners may be found on Page 4.



Mian Liu, assistant professor of geological sciences, is pioneering a computer study of changes in the earth's mantle.

Nancy O'Connor photo

COOKBOOK SALES HELP THE LIBRARY

For \$5.50, you can vary your eating habits and help University Libraries at the same time.

The MU Library Staff Association is selling cookbooks featuring favorite recipes from Columbia-area cooks. Proceeds from the \$5.50 books will help fund library activities.

To obtain your copy, contact Oleta Edwards at 52 Ellis Library.



CHOLESTEROL PLAYS A VITAL ROLE

Cholesterol is not all bad, an MU nutritionist says.

Too little cholesterol can adversely affect hormones that help the body reduce stress and are necessary for sex drive and reproduction, says Gretchen Hill. "Fatty acids must be in the diet, or deficiency symptoms will occur," she says. "These range from retarded growth, dermatitis and kidney lesions to, ultimately, death."

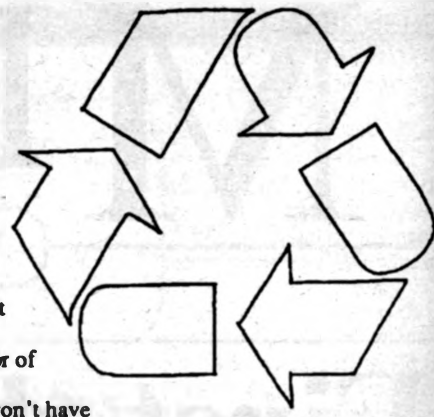
Men with cholesterol counts below 160 have as high a risk of heart attack as those with counts above 240, she adds. "We shouldn't try to eliminate cholesterol — just use it in moderation."

WATCH FOR THOSE RECYCLING BINS!

The 1993 Columbia area GTE phone books will be distributed soon, and the campus recycling committee says there's an easy way to get rid of your current books.

The committee is establishing 30 drop points across campus for faculty and staff to recycle their old books. "It will be easy," says committee member Sandy Perley, coordinator of purchasing and quality control at Campus Dining Services. "You won't have to do anything special to your old books — just drop them in."

The list of drop points will be published in the Jan. 27 *Mizzou Weekly*. Recycling begins on Jan. 29 and will continue for two weeks. "We hope everyone will pitch in," Perley says. "There are 16,000 phone books across campus to recycle."



A new focus on undergraduates

Chancellor plans improvements designed to boost graduation and retention rates.

Chancellor Charles A. Kiesler has announced plans to fund several immediate efforts designed to improve the quality of the undergraduate educational experience at Mizzou, and to increase the graduation rate by more than 10 percent over a five-year period.

"In a climate of increased attention on graduate education, we must not lose sight of the importance of providing high-quality undergraduate instruction," Kiesler says. He

notes that long-term goals for increasing the number of graduate students at MU should not diminish the quality of undergraduate education.

"MU must not only set the public excellence standards in the state, but it must be competitive with its peers in the Association of American Universities," he says. MU joins such universities as the University of Michigan, the University of Virginia and the University of Wisconsin as one of only 29 public universities in the country with the exclusive AAU status.

Kiesler's undergraduate focus includes securing at least \$500,000 a year for the next five years to be used for classroom renovations, making retention a top priority, and funding proposals for increased staffing of the residence halls. Efforts of this nature should result in a 65 percent graduation rate within the next five years, he adds. Cur-

rently, MU has an 80 percent retention rate for the freshman and sophomore years and a 52 percent graduation rate. Two universities in the Big Eight have higher graduation rates — Colorado, with 59 percent, and Iowa State, with 56 percent.

Kiesler also supports a proposal to designate one residence hall for freshmen only, providing them with the option of living in an environment devoted exclusively to the needs of first-time students. Residents of the freshmen-only hall would benefit from increased opportunities for academic advising. The chancellor says the idea for the freshmen-only residence hall came from a student affairs committee report on college living options that result in increased student retention.

"These are steps we can and should take immediately to improve the quality of the undergraduate experience," he says. "The

goals for our graduate and professional schools will require more time and resources, but in the undergraduate arena there are a number of good ideas we can utilize immediately, if we are clever and work together."

At Kiesler's request, the classroom renovation schedule will be accelerated and will result in the renovation of about five classrooms a year for the next five years. During the past few years, MU has renovated one major classroom a year, focusing on large projects such as the renovation of Townsend and Middlebush auditoriums.

Kiesler also will work with Provost Gerald Brouder to name a new committee that will study student retention. The committee will focus the efforts and ideas of staff members in the offices of Student Affairs and Admissions with strong faculty interest and concern regarding retention.

"Eventually, we want a University where the most famous scholars and the most accomplished researchers consider it an honor to teach the introductory courses," Kiesler says.

Koukola appointed assistant to chancellor



Chancellor Charles A. Kiesler has announced that Chris Koukola, assistant vice chancellor for University Relations, has been appointed assistant to the chan-

Chris Koukola

cellor for University Affairs.

"The new reporting relationship directly to the Office of the Chancellor and the expanded duties of this position are indications of the importance I place on positive relations with our various publics, and the confidence I have in Chris' abilities," Kiesler says.

For the past six years, Koukola has served as assistant vice chancellor for University Relations, where she has functioned as the chief public relations officer of the Univer-

sity. Offices reporting to her include the MU News Bureau, Publications and Alumni Communication, University Events, Visitor Relations and Government Communication. She will continue senior-level management of these areas and will work to coordinate the chancellor's external relations with community, alumni and governmental leaders.

"Chancellor Kiesler has well-defined goals for strengthening the University," Koukola says. "His decision to make communications with our various publics a priority is a major step that can lead to increased recognition of MU's unique role in Missouri and potentially in American higher education."

Before coming to MU, Koukola had served as director of information services and publications at the University of Wisconsin-La-

Crosse for 13 years. Prior to her work there, she was the direct mail supervisor and sales magazine editor at the Franklin Life Insurance Co., located in Springfield, Ill. She earned a bachelor's degree in political science from DePauw University in Greencastle, Ind.

Koukola has been active in community affairs in Columbia, serving on the board of directors for the Columbia Chamber of Commerce and as chairwoman of the Chamber of Commerce Ambassadors. She also serves on the board of directors and executive committee of the Columbia Area United Way.

Koukola is a member of the University Club and has served as a past president of the club. Last spring she received the Barbara S. Uehling Award for Administrative Excellence.

Master Plan hearings scheduled Feb. 16, 17

Open meetings on the Campus Master Plan will be held in February to better coincide with the publishing of the document, the campus planning committee was told Jan. 11.

The master plan, MU's blueprint for physical improvements, will run in *Mizzou Weekly* Feb. 3 and in the *Maneater* Feb. 5. In recent years, open meetings on the plan have followed in March or April. This year, however, the meetings will be at noon Feb. 16 and 17 in the Hulston Hall courtroom.

"We thought it would be better to hold the meetings while the plan is still fresh in peoples' minds," Chairwoman Shirley Delbert, coordinator of Visitor Relations,

told the committee. Consultant Jack Robinson will give a slide presentation on the plan, and administrators will be on hand to answer questions. The campus community is encouraged to attend.

Robinson gave the committee a preview of his presentation, noting that he will not concentrate on one particular area of campus, but will look at the overall plan. Committee member Ruth Brent, professor and chairwoman of environmental design, asked Robinson if he could talk in detail about the South Quadrangle project. "That's the big issue right now," she said.

Robinson replied that he would talk as

long as time permitted. "But we don't have a final plan on the South Quadrangle yet, so it might be premature," he added.

On another topic, Alan Warden, assistant vice chancellor for Facilities, gave a progress report on Mizzou's compliance with the Americans for Disabilities Act. The state has appropriated \$793,000 for accessibility improvements, and a University committee has identified 27 projects to be funded with that money. MU must file a transition plan by Jan. 26, and the projects must be completed by January 1995.

Several members wondered whether the University would be responsible for completing the projects if the state failed to come through with the money. "Yes, I believe we would," said Kee Groshong, vice chancellor for Administrative Services. "This is going to be a very interesting process. Lawsuits have already been filed and continue to be

filed across the country by people who contend that businesses and institutions aren't doing enough in this regard."

Groshong and Warden also talked briefly about the fact that MU has added more than 1 million square feet of building and classroom space in the past 10 years. "That doesn't include auxiliary enterprises and parking, which have added another 1.5 million square feet," Groshong added.

The point, he said, is that the state may help MU with building construction money, but once the structure is complete, the University is responsible for ongoing utility and maintenance costs. "We've been saying for a long time that we don't always look at all the costs," Groshong said. "When you examine what has been added on this campus since 1983 — facilities that we now are responsible for, in addition to previous buildings — it's staggering."

EXERCISE AT YOUR OWN PACE

If you're a senior citizen or a person with special needs who wants to exercise — or if you're just looking for a new, non-competitive exercise setting — you might consider the Health Connection, 124 Parkade Center.

The health and exercise facility, sponsored by the MU

Arthritis Center, has been used primarily for research in the past. "But now we are expanding to include members of the community," says coordinator Charlotte Weingartner.

Exercise classes are low to moderate in intensity and are appropriate for most people, including older adults, beginning exercisers and people with arthritis. Instruction is individualized.

Rates are reasonable and there is no long-term membership requirements. With questions or to sign up, call Weingartner at 882-1718.



RETIREES URGED TO KEEP RECORDS

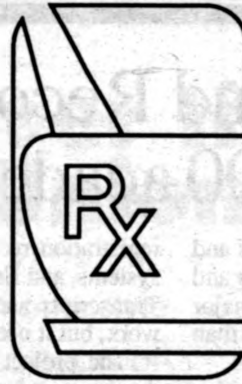
Mizzou retirees are being advised to save all the paper — receipts, forms and bills — relating to medical, drug and dental insurance claims.

"Put them in a file folder or a shoe box and keep them," says Bonnie Arnold, coordinator of Retired and Separated Employee Programs. "Having easy access to them helps to cut down mistakes and misinformation."

Medical, dental and drug claim forms are available from her office by calling 882-1919. A detailed explanation of how to file the claim will accompany the forms.

If a problem comes up over a claim, Arnold says the first step is to call General American, which handles claims for the UM System, at 1-800-227-6525, toll-free. If the retiree is still dissatisfied, Columbia residents should call her office at 882-9810.

She urges retirees to file their claims once every quarter, unless a single claim is for a large sum. "Quarterly filings reduce the end-of-the-year rush and make claims much easier for the insurance company and our office to handle," she adds.



ANONYMOUS NOTE APPLAUDS MIZZOU

Chancellor Charles A. Kiesler received a hand-written note in mid-December that added a little more joy to his holidays.

"I am a first-year freshman here at MU," it read, "and I merely wanted to inform you that I had a wonderful semester and am 100 percent pleased with my college choice. You and your staff are doing a great job."

"Have a great holiday, and I look with enthusiasm toward the upcoming semester. God bless you." The note was not signed.

Good rockin' tonight

Journalism School preparing for major conference.

Back in the 1920s, critics for *The New York Times* were horrified by a new type of music called jazz. Thirty years later, the sight of Elvis Presley gyrating his hips on national television sent parents into a rage. Today, groups call for the censorship of rap lyrics that suggest violence against law enforcement officers.

What is it about rock and related music that attracts some people and infuriates others, and how does the mass media play a role? Betty Winfield wants to find out.

Winfield, a professor of journalism, is coordinating what is believed to be the first conference of its type in the world, "On the Beat: Rock 'n' Rap, Mass Media and Society." The event will be Feb. 3 through 6 at the School of Journalism, with music in the evenings at the Blue Note, 17 N. Ninth St. A total of 24 events are planned over the four-day period, drawing scholars, critics and artists from around the globe.

"We want to look at the rock phenomenon, of course, but especially at the various roles the mass media has played in it: as critic, as a reporter of trends, as a reflector of values, as a commercial agent, and as part of the dissident press," Winfield says. "We're delighted that the world's oldest journalism school is examining these issues."

The first keynote address will be given by Portia K. Maultsby of Indiana University on "The African-American Roots of Rock." Winfield notes that the conference coincides with the beginning of Black History Month on campus. "We're really happy about that," she adds.

Conference highlights are almost too numerous to mention, but Winfield suggests three: Jane Delano Brown of the University of North Carolina, discussing the different ways that teens and adults interpret the same rock lyrics; Wojciech Liponski of Adam Mickiewicz University in Poznan, Poland, who suggests that rock music played a major part in the disintegration of East Germany; and MU journalism student Patrick Hill, who has done extensive research on the way *The New York Times* has covered music over the years.

While the Journalism School is sponsoring the conference, more than 100 people across campus and in the community have come forward to lend a hand, Winfield says. Coca-Cola Bottling of Mid-America, Scheppers N.H. Distributing and Anheuser-Busch are sponsoring specific events, and posters and T-shirts will be sold as well. "It takes a lot of money to put on something like this, and we can't do it alone," she says.

Live music is also a part of the picture. Performers at the Blue Note will include Joe

Walsh, former singer/guitarist with the Eagles and the James Gang, on Feb. 4; Gil Scott-Heron on Feb. 5; and Chuck Berry on Feb. 6. In addition, rapper Queen Latifah will be part of a panel.

The fact that the conference is being held in Missouri also takes on a certain significance, Winfield says. "Jazz came out of Kansas City, blues out of St. Louis and ragtime out of Sedalia. Look what's been happening with Branson and country music. Sometimes we don't realize what a big music state this is."

The cost of the conference is \$95 for adults and \$35 for students, which includes the shows at the Blue Note. For adults signing up before Jan. 22, the cost is \$85. All panels and keynote speeches will be in Gannett Auditorium. Send your check, made out to the University of Missouri, to Rock 'n' Rap in care of the School of Journalism. With questions, or to obtain a complete schedule, call 882-7557 or 882-5639.



Hey Staff!!



Why don't you get your ACT together --

AND HAVE IT READY FOR THE STAFF RECOGNITION WEEK

("not necessarily a talent")

VARIETY ^ SHOW

(Watch for sign-up in February)

*Getting to Know Us Staff Recognition Week 1993
March 22-26, 1993*

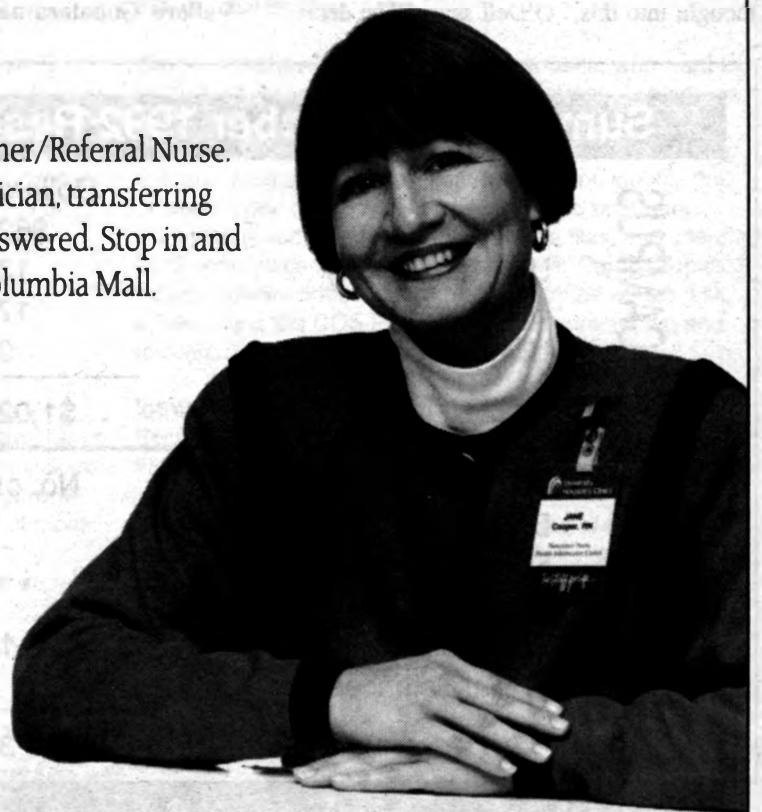
Need a Physician? Call Our Nurse First.

Meet Jane Cooper, RN, University Hospital's Newcomer/Referral Nurse. Jane's the one to see if you need help finding a physician, transferring your medical records, or you just want a question answered. Stop in and visit with her at the Health Information Center in Columbia Mall.

Or, give her a call at 882-4736.

- physician referral
- appointment scheduling
- free and confidential

University Hospital's
Newcomer/Referral Nurse.



Transcripts and Records proofs 200,000 academic cards

Gary Smith, director of Admissions and Registrar, is happy that his Transcripts and Records office recently completed a major project, even though it took a little more than two years to do it.

He's even happier that the work was done with existing staff.

"They did a terrific job," Smith says of the effort, coordinated by Gary Freie, director of

registration, records and student information systems, and Helen Bachman, supervisor of Transcripts and Records. "It was a lot of work, but it needed to be done."

The project involved proofing the academic record cards of more than 200,000 students against their computer-generated records. In case you're wondering, that covers all MU students between 1975 and 1990.

"We acquired our Student Info System (SIS) in 1975," Freie says. "In the years between 1975 and 1990, we kept two sets of records on each student — one hard copy and one computer-generated copy. We discontinued the hard-copy system two years ago."

The problem is that the hard copies kept taking up more and more room. "They were stored all over Jesse Hall," Freie says. "We knew we had to do something with them, but before we could, we had to make sure they matched what we had on the computer."

The hard copies, which filled 63 file drawers, were manually proofed by the staff and

now are being stored at the University's record center off Rock Quarry Road. The proofing project began in November 1990 and was completed last month.

Now when a request comes in for a transcript, the copy comes off a laser printer. "The document is much more attractive," Smith says.

"Paper-handling and storage space are reduced with this new system, and the transcript paper has a special security feature, signature block and seal. Eliminating the old microfilm process also cuts our costs. We're improving efficiency and saving money for the University at the same time."

23 from MU win Research Board awards

More than \$1 million was provided to the University research community when the first awards from the new UM System Research Board were made in December.

At MU, the Research Board approved 23 proposals and provided awards totaling \$620,782, or 60.6 percent of the first-round total. Researchers at Mizzou had submitted 72 proposals requesting a total of \$2.5 million in funding.

From around the UM System, the board received 127 proposals asking for \$4.3 million in funding. In this first round of awards, 39 proposals were approved, for a total of \$1.02 million.

UM System President George Russell formed the board last spring to enhance research opportunities at the University. Russell named 12 eminent faculty members from the four campuses to develop guidelines for the grant competition and to review proposals. This year the board will distribute \$4 million for research projects; that budget came from reallocations in the University's central administration and from the Weldon Spring fund.

Don Riddle, professor of molecular biology, serves as chairman of the Research Board. Boyd O'Dell, professor emeritus of biochemistry, is the board's executive secretary.

Although board members reviewed each proposal individually, they did have some help; a peer review system is built into the award process. More than 1,000 faculty from the four campuses volunteered to act as peer reviewers for the requests. Each proposal was reviewed by three faculty members, and Research Board members used those reviews to reach their decisions.

"A lot of people put a lot of time and thought into this," O'Dell says. "The deci-

sions were based on merit, not on campus affiliation or discipline. There was no formula built in to try to distribute the funds in any predetermined manner."

A second round of awards will be made in early February. There will be two more deadlines for proposals this academic year: March 1, with awards to be made in May; and June 1, with awards to be made in September.

Proposals that were approved for awards from the MU campus and the titles of those projects are:

Craig Anderson, associate professor of psychology, "Testing a General Theory of Affective Aggression."

Nakhle Asmar, assistant professor of mathematics, "Transference In Harmonic Analysis and Related Areas."

Michael Barker, assistant professor of civil engineering, "Buckling of Helical Soil Anchors Loaded in Compression."

Tobias Baskin, assistant professor of biological sciences, "Phototropism: Isolation of Mutants in Maize."

Jeff Chinn, associate professor of political science, "Russians as the New Minority in the Soviet Successor States."

Roger Cook, assistant professor of German, Russian and Asian studies, "Subvention for Publication of *The Demise of the Author*."

Don Estes, assistant professor of microbiology, "Evaluation of Immune Competence in SCID-bo Heterochimeric Mice."

David Gerrard, assistant professor of food science and human nutrition, "IGF-II and IGFR1 Expression During Muscle Development."

Rainer Glaser, assistant professor of chemistry, "Chemistry of Aliphatic Diazonium Ions."

Vallore Gopalaratnam, assistant pro-

fessor of civil engineering, "Size Effects in the Fracture of Reinforced Concrete."

John Kauffman, assistant professor of chemistry, "Picosecond Laser Studies of Surface Recombination in GaAs."

Marvin Lewis, professor of romance languages, "Afro-Hispanic Literature: An International Research Conference."

Mian Liu, assistant professor of geological sciences, "Numerical Modeling of the Evolution of Mantle Convection."

Bruce McClure, assistant professor of biochemistry, "The Molecular Basis of Angiosperm Self-Incompatibility."

William Miller, professor of nuclear engineering, "Determination of Deuterium in Neutron Scattering Samples."

Satish Nair, assistant professor mechanical and aerospace engineering, "Interaction Dynamics and Intelligent Control of Systems."

Raman Ranganathan, assistant professor of mechanical and aerospace engineering, "Dynamic Analysis of Off-Road Vehicle Seat Suspensions."

Jan Segert, assistant professor of mathematics, "Midwest Geometry Conference."

Trygve Veum, professor of animal sciences, "Nutrient Pollution by Manure Reduced by Dietary Phytase."

Steven Watts, associate professor of history, "The Magic Kingdom: Walt Disney and Modern American Culture."

Gary Weisman, assistant professor of biochemistry, "Molecular Characterization of P2 Receptor CDNA."

Betty Winfield, professor of journalism, "Abridging the Freedom: The Presidency and the First Amendment."

William Yelon, senior research scientist, "Synthesis and Characterization of New Magnetic Phases."

Staff development seminars set for winter semester

Develop a desk manual to organize your work and train a replacement. Learn strategies for managing daily stress or find out how to plan for your retirement. These and other topics will be covered in upcoming seminars offered by Human Resource Development.

There is no charge for the seminars. All will be held in the Heinkel Building and they require supervisory approval. Enrollment is limited and registration is on a first-come, first-served basis. Telephone enrollments will not be accepted. For enrollment forms, or with questions, call 882-4859. The seminars, with their dates and times, are:

- **Effective Public Speaking**
10 a.m. to noon, Jan. 26 and 28, Feb. 2 and 4.
- **Desk Manual**
9 a.m. to 3 p.m., Jan. 26 and 27.
- **Grammar and Punctuation**
10 a.m. to 3 p.m., Feb. 9.
- **Success With Stress**
8:30 a.m. to 3:30 p.m., Feb. 10.
- **Problem Solving**
9 a.m. to 4 p.m., Feb. 11.
- **Managing the Troubled Worker**
9 a.m. to 4 p.m., Feb. 18.
- **Personnel Policy and Procedures**
9 a.m. to 4 p.m., Feb. 23.
- **Filing Procedures**
9 a.m. to noon, Feb. 25.
- **Using University Resources**
9 a.m. to noon, Feb. 26.
- **Performance Management**
8:30 a.m. to 3:30 p.m., March 2 and 4.
- **Human Relations**
1:30 to 3:30 p.m., March 3, 5, 8, 10 and 12.
- **Motivation**
9 a.m. to 4 p.m., March 9.
- **Retirement Planning**
9 a.m. to 4 p.m., March 11.

Summary of October 1992 Research Board Applications

BY CAMPUS

	Dollars Awarded	% of Total
UM-Columbia	\$620,782	60.6%
UM-Kansas City	131,299	12.8%
UM-Rolla	177,886	17.4%
UM-St. Louis	94,295	9.2%
Total	\$1,024,262	100.0%

BY DISCIPLINE

	No. of Awards	Dollars Awarded
Engineering	8	\$222,126
Humanities and Fine Arts	7	61,891
Life Sciences	9	363,519
Physical Sciences	11	293,000
Social Sciences	4	83,726
Total	39	\$1,024,262

Environmental studies program to be discussed

A workshop planned Feb. 4 through 6 at the Memorial Union could be instrumental in determining whether MU establishes an environmental studies program in the future, organizers say.

"If a lot of enthusiastic faculty show up, if we have good discussion of the details, and if administrators seem open to the idea, we could be on our way," says Susan Flader, professor of history and chairwoman of the curriculum committee of the MU Environmental Affairs Council.

"Faculty must take the lead on this. About 50 faculty members have said they'll be there, and we need at least that many."

The event will feature keynote addresses by Jean Richardson and Carl Reidel of the University of Vermont's environmental program, one of the most successful in the nation. They will meet with small groups of faculty and administrators in various fields on Feb. 5, and will lead work sessions Feb. 6 on such topics as undergraduate courses, graduate education and research, and advising.

A draft prospectus notes that governments and societies around the world are beginning to focus more on managing resources and the environment. "A large percentage of college graduates will be involved in some aspect of environmental policy or management at some point in their careers, and virtually all of them will be confronted with environmental issues in their roles as citizens," the document states.

"The University of Missouri-Columbia

has most of the components of a comprehensive program already in place, including widespread faculty and student interest, so that a model investment in creating a structure to encourage interdisciplinary activity can pay major dividends in energizing the University community, creating opportunities for students, and enhancing MU's reputation in environmental teaching and research."

Flader says the structure of an environmental studies program at MU would be similar to that found in Women Studies and Black Studies, but would involve more disciplines. "We shouldn't assume it would be operated out of arts and science," she adds. "It could be operated out of natural resources or engineering. Many areas of study are involved here."

MU could make a bigger name for itself in the Big Eight with such a program, Flader says. "Most of the top-notch environmental studies programs are at universities on the east and west coasts, or in the Big Ten," she adds. "It also would offer wonderful opportunities for research spinoffs."

Should the upcoming workshop be successful, the committee most likely would propose a formal prospectus later this year. Flader emphasizes that the administration must be receptive to the idea, and funding sources would need to be identified. "We're a long way from proposing an undergraduate major in this field," Flader says. "In many ways we're just getting started. But we're excited about the possibilities."

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CAMPUS COMPUTING

Short Courses

The following non-credit short courses are free of charge and open to MU faculty, staff, and graduate students. Registration is required. To enroll, please call 882-2000.

Electronic Mail Courses—Mainframe, Macintosh and IBM PC

There are two primary methods of using electronic mail (email) on campus—through the campus mainframe (RiceMail) and through the PC-based networks of Macintoshes and IBM PCs (cc:Mail). Separate sections are offered below; both will cover the basics of email use, etiquette, how to send and receive mail and some of the available options.

If you are interested in both RiceMail and cc:Mail, please register to attend one section of each. Each class requires basic knowledge of the platform on which it is based.

Introduction to Email—RiceMail
Section 1: February 26, 2:30 - 4:30 pm
Section 2: March 8, 2:30 - 4:30 pm
266 Heinkel

Introduction to Email—cc:Mail (IBM/DOS)
March 3, 1:00 - 2:15 pm
266 Heinkel Building

Introduction to Email—cc:Mail (IBM/Windows)
March 3, 2:15 - 3:30 pm
266 Heinkel Building

Introduction to Email—cc:Mail (Mac)
March 3, 3:30 - 4:45 pm
266 Heinkel Building

Microcomputer Courses—Macintosh

Introduction to the Macintosh
Section 1: February 2, 1:30 - 4:30 pm
Section 2: February 4, 1:30 - 4:30 pm
266 Heinkel Building

A hands-on course for new users who want to know the basic procedures for using a Macintosh personal computer. Topics will include step-by-step looks at how to start the computer, start and exit user programs such as word processors, use the mouse, use pull-down menus, prepare a floppy disk to receive files and duplicate and erase disk files.

Introduction to WordPerfect 2.1
February 23, 1:30 - 4:30 pm
266 Heinkel Building

For those experienced with the basics of operating a Macintosh. A hands-on introduction to the basic features of the word processing program WordPerfect. Topics include step-by-step looks at how to enter, edit, style and format text, how to print a document, and brief coverage of more advanced features such as columns and graphics.
Prerequisite(s): Introduction to the Macintosh or a working knowledge of the Macintosh.

Microcomputer Courses—IBMPC

Introduction to DOS 1
Sec. 1: February 1 & 3, 1:30 - 4:30 pm
Sec. 2: February 10 & 11, 1:30 - 4:30 pm
266 Heinkel Building

Day 1: A lecture-based course for new users who want to know the basic procedures for using a personal computer. Topics will include step-by-step looks at how to use the DOS 5.0 operating system to start the computer, start and exit user programs such as word processors, identify the different types of floppy disks, use the DOS command Format to prepare floppy disks to receive files, and use the DOS commands Copy, Erase and others. *Day 2:* Topics include subdirectories versus root directories versus disk drives, using the DOS Prompt and Path commands, and making, changing and removing subdirectories.

Introduction to WordPerfect 5.1
Section 1: February 15, 1:30 - 4:30 pm
266 Heinkel Building

A hands-on overview of the basic features of the word processing program WordPerfect 5.1. It is not intended for practiced users of previous versions. The course will introduce WordPerfect concepts and procedures including editing techniques, block commands, page and line formatting, spell checking and printing. *Prerequisite(s):* A working knowledge of the IBM PC is recommended.

Campus Computing

Ahead of the pack

New veterinary teaching hospital opening

Ken Niemeyer recalls the days, back in the 1960s and 70s, when he was a clinical veterinarian. "Someone would bring in a dog that had swallowed a fishhook, and we'd have to open the stomach and operate," says Niemeyer, associate dean of veterinary medicine. "Today, through a process called endoscopy, we can pull the hook out through the dog's mouth."

"If that same dog had a bad tooth in the old days, it would have to come out. Now we can do root canals and crowns — a very popular type of veterinary work these days."

And with the new, \$20 million veterinary teaching hospital that opens this semester, MU can do a better job with all of it. Clydesdale Hall, located just south of the main veterinary medicine building, will provide three clinics: for small animals such as dogs, cats, birds and snakes; for food animals such as cows, sheep, hogs and emus; and for horses.

Currently, the first two clinics are on campus, while the equine clinic is at Middlebush Farm, nine miles south of town. "The beauty of this building is that all the operations will be in one spot," adds Ron Haffey, hospital administrator. "It will make it so much better for the students."

The students, after all, are the reasons for the hospital. "Certainly, we're happy we can offer a place where people from across the state can bring their pets or animals to be treated," Haffey says. "We handle more than 13,000 visits a year."

"But we're even more pleased that when our students leave here as veterinarians, they've been trained in the most modern facilities."

The food animal clinic will open this week, featuring such innovations as an operating table with a hydraulic lift. There are 36 holding stalls for cattle, compared with 30 stalls now. "Sometimes cows don't go where you want them to go," Niemeyer says with a laugh. "New gates and mechanisms will make it easy for a 100-pound person to guide a cow through the clinic."

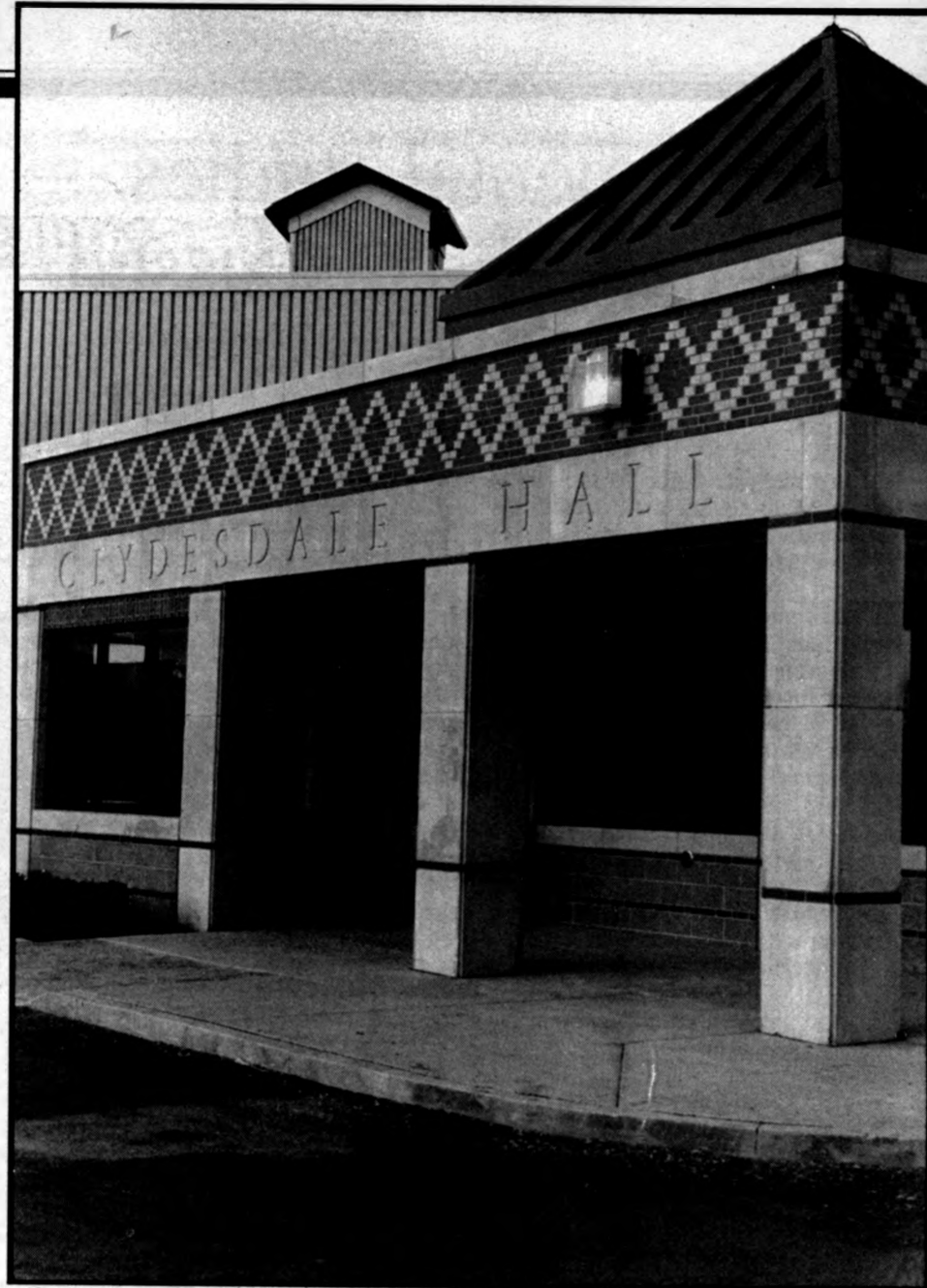
The small animal and equine clinics will be open by March. The small animal clinic boasts an emergency entrance, a private



Above, a specialized table allows veterinary medicine students to operate on cattle in Clydesdale Hall.

Right, the hospital's south entrance leads to the food animal and equine clinics.

Rob Hill photos



waiting area, 16 examination rooms and six operating rooms. There are separate holding areas for dogs and cats; an exercise area; and intensive care and intermediate care facilities.

A big advantage to the new equine clinic lies in its two operating rooms. "Right now we have one," Niemeyer says. "If we're doing an operation and we get an emergency, we've got a problem. The two-room setup will solve that." Other features are a treadmill for horses and isolation stalls for animals with contagious disease.

The new facilities provide quality space for special procedures such as endoscopy,

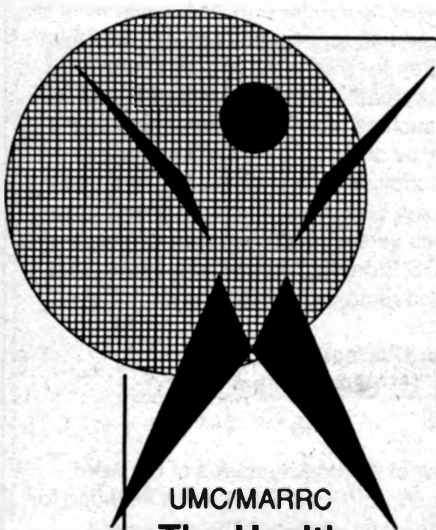
laser surgery, neurological examinations and dermatology. A central sterilization facility will aid all three clinics, while a pharmacy in the front of the building "is as nice a pharmacy as I've seen anywhere," Haffey adds. An extensive computer network is planned to aid clinical management and student access to information.

The building is named after the famous Clydesdale horses, the pride of the August Busch family of St. Louis. The Anheuser-Busch Charitable Trust donated \$1.5 million toward the hospital. In addition, a contribution from the James L. "Bud" Walton family made the equine treadmill possible. Exami-

nation rooms and stalls also will be named after major donors, Niemeyer says.

Dedication ceremonies will be April 3. Robert Kahrs, retired dean, will be the keynote speaker.

If visitors to the building notice anything vaguely familiar about some of the furnishings, Niemeyer won't be surprised. "We scouted around human hospitals to find some of our furnishings, and virtually bought out a hospital in West Virginia," he says. "We paid \$20,000 for surgery lights, for instance, that would have cost \$400,000 if purchased new. We're always on the lookout for ways to keep our costs down."



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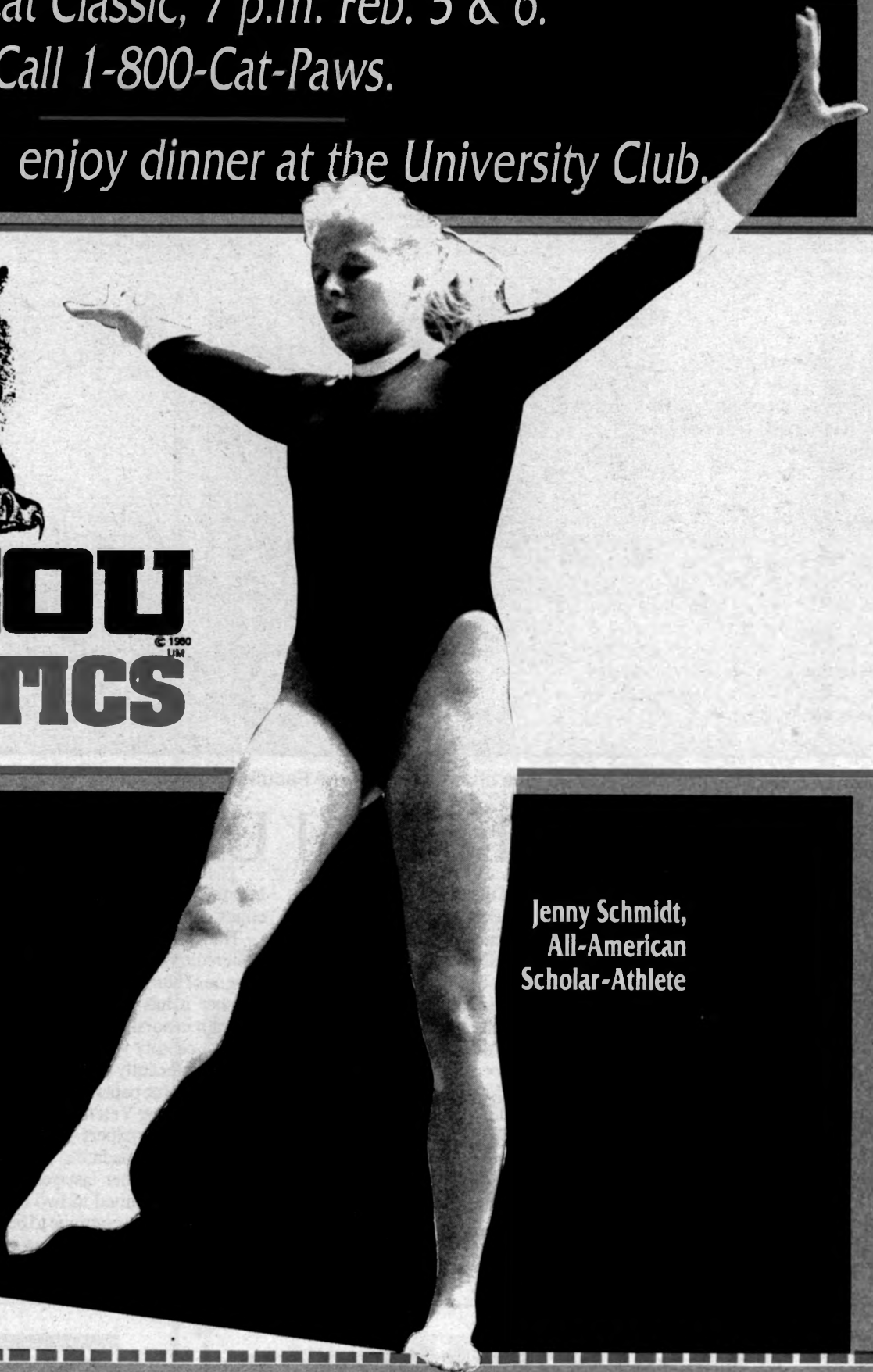
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Susan Taylor is in her third year as vice chairwoman of the Faculty Council.

Involved in the total University

M
YOU

As vice chairwoman of the Faculty Council, Professor Susan Taylor represents not only the School of Nursing, but women in general. With the position, Taylor says she can maintain a visible presence for the school and, as a woman, become integrated in the system.

Taylor is in her sixth year on the council, and has been vice chairwoman for the last three. "There's a pull to become isolated here, and this is a good way to get involved in the total University," she says.

Goals for the council this year include getting to know and work with new Chancellor Charles A. Kiesler, and improving undergraduate and graduate education. Another is to improve working conditions, including improving buildings, computers and salaries.

Taylor also serves on the Intercampus Faculty Council, the academic planning committee, and the

Intercollegiate Athletics and School of Medicine ethics committees.

The School of Nursing recently received full reaccreditation for eight years from the National League of Nursing. Soon, the school is hoping to hear whether it has been approved to offer a doctoral program in nursing. "That will move us forward into the 21st century very nicely," she says.

Taylor recently returned from Taiwan, where she presented three papers on nursing theory and practice at the Taichung Veterans General Hospital. She has also presented papers on similar topics in Spain, Belgium and Canada.

This will be her last year on the council, since members are limited to two consecutive three-year terms. "I'd like to continue to be involved," she says. "I need to take some time to get grounded, though."

—Text and photo by Nancy O'Connor

the efflorescence. "This condition is normally related to a moisture problem," Shocklee says. "When the cause of the problem is identified, it will then be determined who should be responsible for any corrective action."

Q. I remember reading in *Mizzou Weekly* some time back that the parking advisory committee was looking at establishing differential parking fees for employees. How would that work and what's the status of the discussion?

A. The campus parking policy committee has appointed a subcommittee to review the pros and cons and feasibility of establishing differential parking fees, based on income level. The committee is an advisory group and can only recommend that certain actions be adopted.

Right now, the subcommittee is trying to determine the number of individuals in the various salary groups to see if there's a realistic way to approach the issue. It could be difficult to determine financial need based solely on salary. For instance, two employees might earn the same salary, but one person could have substantially higher living expenses for a larger family, or for child care or health care.

Another consideration is the University's commitment to repay the bonds that financed the three parking garages on campus, as well as the cost to maintain and operate the parking lots. "People need to understand that we are obligated to generate revenue to fund the parking operation," says Jim Joy, director of Parking and Transportation Services.

Send your questions about campus matters to *Mizzou Weekly*, 407 Reynolds Center. You must include your name and phone number so we can reach you, if necessary. All questions remain anonymous. *Mizzou Weekly* will not answer unsigned questions.

M I Z Z O U

PEOPLE

Thomas Alexander, professor emeritus of history, and professors Noble Cunningham, Arvarh Strickland and LeeAnn Whites attended the Southern Historical Association's annual meeting in Atlanta in November.

Jeff Arnett, associate professor of human development and family studies, published "The Soundtrack of Restlessness" and co-published "The Factor Structure of the Reckless Behavior Questionnaire (RBQ)" in the *Journal of Adolescent Research*.

Lynn Ash, supervisor of repair service in Campus Computing, attended an IBM products conference in November on Marco Island, Fla.

N. Gerald Barrier, professor of history, was a panelist on Sikh and Punjab history at the South Asia Conference, held in November in Madison, Wis.

Ben Colley, senior systems programmer/analyst for Campus Computing, and Bill Plummer, assistant vice chancellor for Campus Computing, attended a MIDNET conference at the University of Nebraska in October.

Richard H. Cox, professor and chairman of health and physical education, presented "Fluctuations in Mood State Associated with Prolonged Recovery from Different Types of Exercise" at the central district annual meeting of the American College of Sports Medicine in Stillwater, Okla. At the same conference, Professor Tom R. Thomas presented "The Effect of an Ice-Filled Vest on Fat Energy Use during Exercise." Thomas also was elected president-elect of the central states chapter. In addition, graduate student William D. Russell presented "Effects

FOR THE RECORD

CANCER CENTER GIFT: A gift of \$1 million from the estate of Nellie B. Smith, a former resident of Slater, Mo., will be used for cancer research and treatment at Ellis Fischel Cancer Center. Ellis Fischel, Missouri's only hospital facility dedicated entirely to cancer care, provides community education services as well as cancer screening, detection, diagnosis, treatment, rehabilitation and follow-up care for cancer patients.

INSURANCE PLAN CHANGE: Beginning Jan. 1, 1993, evidence of good health is required for employees who enroll in the University's supplemental life insurance program provided by Metropolitan Life Insurance Co. Previously, evidence of

insurability was not required if coverage was applied for with the first two months of employment and the policy was for less than \$150,000. Employees already enrolled in the supplemental life insurance plans are not affected by the change.

ADULT CAREER SERVICES: MU's Career Planning and Placement Center offers career planning services specifically to non-students in the Columbia area. Some of the available services include individual career counseling, evening workshops, videotaped practice interviews and a resume-writing service. All of these services are available with the purchase of a \$20 winter user pass that is valid through May 14. With questions, or to request a program brochure, call Lori Loeb at 882-2336.

The "For the Record" column gives MU departments and units the opportunity to advertise used or unneeded equipment for sale. There is no charge for this service. Send your notice to John Beahler at 407 Reynolds Center, or call 882-5918.

Q&A

Q. Several months ago, I noticed that a number of red bricks on Hulston Hall had turned a chalky white. Now I see that the same thing is happening on the new Turner Avenue garage. What is the cause of this? Is the University liable for replacing the bricks?

A. The condition you describe is called efflorescence, which is actually white salt crystals that appear on the face of the bricks. The condition occurs occasionally in new buildings, says Phil Shocklee, assistant director of Campus Facilities. A consulting firm has removed a few bricks from Hulston Hall for analysis to determine the cause of

MIZZOU

WEEKLY

Vol. 14

No. 16

A publication of the University of Missouri-Columbia faculty and staff, published every Wednesday during the academic year and twice a month during the summer by Publications and Alumni Communication, a department of University Affairs, 407 Reynolds Alumni and Visitor Center, 882-7357. News deadline is noon Wednesday the week before publication. Annual subscriptions are available for \$20.

Editor: Terry Jordan
Assistant editor: John Beahler
Staff writer: Sue Richardson
Advertising manager: David Roloff
Graphic editor: Nancy Daniel



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

of Attentional Style on Ratings of Perceived Exertion during Physical Exercise."

Dave Demo, associate professor of human development and family studies, co-presented "Family Structure and Adolescent Behavior" and "Ethnic Identity and Self-Evaluation" at the American Sociological Association meeting in Pittsburgh. He also published "Self-Concept Stability and Change During Adolescence" in the book *Self-Perspectives Across the Lifespan*.

Kitty Dickerson, chairwoman and professor of textile and apparel management, was asked by Levi Strauss and Co. to give a video presentation on "What It Means to be a Global Corporation." The video was used to launch a program for all Levi headquarters personnel in San Francisco.

Susan Flader, professor of history, took part in several committee meetings at the Western History Association's annual meeting, held in October at Yale University.

Scott Fritz, training coordinator for Campus Computing, attended "Technology Class-

rooms" at Carnegie-Mellon University in Pittsburgh in November.

Barbara Froke, associate dean of human environmental sciences extension, has received grant support from the W.K. Kellogg Foundation and the North Central Regional Center for Rural Development to help develop a workshop, "Plight of the Young Child," scheduled in Chicago in February.

Darren Gabbert and Kevin Price, of Campus Computing's Adaptive Computing Technology (ACT) center, presented "AC/ES for the ADA" at the "Closing the Gap" conference in Minneapolis in October. AC/ES is an adaptive computing/expert system for helping rehabilitation professionals meet the requirements of the Americans with Disabilities Act.

Jason Goran, electronics technician II in Campus Computing, attended Apple network training in Chicago in October.

Susan Henson, instructor in textile and apparel management, and her staff have published the 1992-93 MO-TAC Directory, a

guide to Missouri apparel and sewn products manufacturers and services.

Mike McKean, associate professor of journalism, published "Deregulation and Competition" in the autumn 1992 *Journalism Quarterly*, and "Use of Computers in Commercial and Public Radio Newsrooms" in the 1992 *Journal of Radio Studies*.

Bill Plummer, assistant vice chancellor for Campus Computing, toured the Silicon Graphics facility in October in San Jose, Calif.

Have you been promoted, won an award or presented a paper recently? The 'People' column wants to know about it. Send your news to Terry Jordan at 407 Reynolds Center. But please be patient; we receive many entries, and publish them in the order in which they are received.

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Schedule of Courses

Required reading for anyone registering for classes.
Summer issue deadline: Jan. 28

Call Michelle Burke or David Roloff at 882-7358 for more information.

CALENDAR

Send calendar items in Campus Mail to Michelle Holden, 407 Reynolds Center, by noon Wednesday the week before publication. Events are free and open to the public unless otherwise noted.

20 Wednesday

REC-AEROBICS: A variety of classes begin today and run for different lengths of time, with longest ones ending May 7. All meet in B-301 Student Recreation Center. Call 882-2066 for prices and more information.

WOMEN'S NETWORK: Sharon Kinden, of Remax Boone Realty; Susan Bliss, of Columbia Area Adult Education; and Doris Littrell, of Extension Teaching, will present "Career Networking: Making it Work For You" from noon-1:30 p.m. in N208 Memorial Union.

MEDICAL INFORMATICS GROUP: J. Craig Klimczak, D.V.M., will present "Using Interactive Videodisc to Decrease Live Animal Use in Teaching Physiology" at noon in 606 Lewis Hall.

ENGINEERING PREPARATION COURSE: This seminar, for engineers who plan to take the NCEES Principals and Practice of Engineering Test, will be today through Jan. 22 at the Memorial Union. Cost: \$585. Call 882-3266 to register.

UNIVERSITY HOSPITAL AND CLINICS: A two-part program for couples considering pregnancy, "Before the Beginning: Preconceptional Fitness," will be presented at

7 p.m. this evening and Jan. 27 at Ellis Fischel Cancer Center. Cost: \$10. Call 882-6973.

21 Thursday

HEARTS FOR LIFE: This support group will meet at 7 p.m. in the SameDay Surgery Center lobby at University Hospital.

MEN'S BASKETBALL: Tigers will play Memphis State at 8:30 p.m. at the Hearnes Center. Cost: \$8 in D section.

22 Friday

ENTOMOLOGY SEMINAR: Dusan Zizman of Washington University will present "Effect of Parasitism by the Wasp *Cotesia congregata* on the Neuroendocrine System of *Manduca sexta* Larvae" at 2:40 p.m. in 2-10 Agriculture Bldg.

UNIVERSITY CLUB: The Maplewood Barn players will present the dinner theater, *Pump Boys and Dinnettes*, this evening. A cash bar opens at 5:30 p.m. in the Great Room at the Reynolds Center, followed by dinner at 6 p.m. and the performance at 7:30 p.m. in the Columns Ballroom. Cost:

\$20, for club members only. Call 882-0844. **MSA/GPC EVENT:** The Chicago New World Theater will present the play *The Three Musketeers* at 8 p.m. in Jesse Aud. Cost: \$10 public, \$8 students. Tickets available at the MSA/GPC box office in Brady Commons.

Room at the Reynolds Center, followed by dinner at 6 p.m. and the performance at 7:30 p.m. in the Columns Ballroom. Cost: \$20, for club members only. Call 882-0844. **MSA/GPC EVENT:** The Chicago New World Theater will present the play *The Three Musketeers* at 8 p.m. in Jesse Aud. Cost: \$10 public, \$8 students. Tickets available at the MSA/GPC box office in Brady Commons.

23 Saturday

UNIVERSITY CLUB: The Maplewood Barn players will present the dinner theater, *Pump Boys and Dinnettes*, this evening. A cash bar opens at 5:30 p.m. in the Great

24 Sunday

MSA/GPC EVENT: The Chicago New World

EXHIBITS

BINGHAM GALLERY: The Annual Graduate Students Exhibition is on display through Feb. 5. The public reception will be from 4-6 p.m. Jan. 29. Hours: 10 a.m.-4 p.m., Monday through Friday. Gallery is in the Fine Arts Bldg.

HULSTON HALL: "The Age of Discovery: New Worlds of Law 1492-1992" is on display on the first floor of the law library. Hours: 7:30 a.m.-10 p.m. Monday through Thursday, 8 a.m.-6 p.m. Friday and Saturday, and 10 a.m.-10 p.m. Sundays.

MEMORIAL UNION: "Turbulent Times," an exhibit featuring materials relating to student controversy and activism in the 1960s and 70s, is on display in the south wing exhibit case through February. Exhibit prepared by University Archives.

MUSEUM OF ANTHROPOLOGY: Archaeological collections include more than 100 million artifacts dating from 9000 B.C. to modern times. The focus of exhibits is on the prehistory of Missouri and the Midwest. Hours: 9 a.m. to 4 p.m. Monday through Friday. The museum is located in Swallow Hall.

MUSEUM OF ART AND ARCHAEOLOGY: "Pre-Columbian Art from the Permanent Collection" will be on display through March 7. It features animal and human motifs and images dating back to 500 B.C. "Twentieth-Century Women Artists" is on display through Feb. 21, as is "Face It! Twentieth-Century Portraits and Self-Portraits." The museum, in Pickard Hall, is open from 9 a.m.-5 p.m. Tuesday through Friday and noon-5 p.m. Saturday and Sunday.

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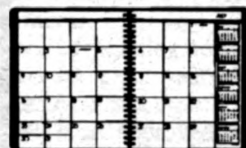
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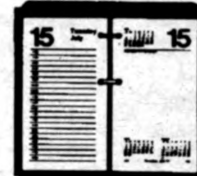


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Theater will present the play *The Three Musketeers* at 2 p.m. in Jesse Aud. Cost: \$10 public, \$8 students. Tickets available at the MSA/GPC box office in Brady Commons.

MEN'S BASKETBALL: Tigers will play Oklahoma State at 2:45 p.m. at the Hearnes Center. Cost: \$8 in D section.

25 Monday

SOIL AND WATER RESOURCES

SEMINAR: Event will be at 3:40 p.m. in 133 Mumford Hall.

26 Tuesday

EMPLOYEE DEVELOPMENT SEMINAR:

"Desk Manual" will be presented at 9 a.m. in 266 Heinkel Bldg. "Effective Public Speaking" will be presented at 10 a.m. in 146 Heinkel Bldg. Call 882-4859.

HEALTH INFORMATION CENTER:

"Nutrition for the Mature Adult" will be presented at 11 a.m. at the center, in Columbia Mall.

PHYSIOLOGY SEMINAR: David Farrell of the University of Washington will present "Recombinant Human Fibrinogen: Structure-Function Relations" at 2:40 p.m. in MA217 Medical Sciences Bldg.

CONCERT SERIES: The American Chamber Players will perform at 8 p.m. in Jesse Aud. Cost: \$15 for faculty and staff, \$13 for students and seniors.

27 Wednesday

MEDICAL INFORMATICS GROUP: John

Kultgen, professor of philosophy, will present "Ethical Dilemmas in Clinical Research" at noon in 606 Lewis Hall.

MIDDAY GALLERY TALK: Brooke Cameron, professor of art, will present "Twentieth-Century Women Artists: One Artist's Process" at 12:15 p.m. at the Museum of Art and Archaeology.

PHYSIOLOGY SEMINAR: Eileen Hasser, assistant professor of veterinary biomedical sciences, will present the program at 2:40 p.m. in M437 Medical Sciences Bldg.

MEN'S BASKETBALL: Tigers will play Notre Dame at 7 p.m. at the Hearnes Center. Cost: \$8 in D section.

Look out!

The 1993 Winter Semester Calendar will be published Jan. 27.



CLASSIFIEDS

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SAVE, SAVE, SAVE - Lake Ozark timeshare. Third week in January, \$4,995, RCI-Exchange. Two bedrooms, six occupancy. Call 445-9203.

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All in the family

Study disproves some stereotypes of single-parent homes.

Adolescents whose mothers never married have fewer parental conflicts, better school grades, and fewer personal and adjustment problems than children from divorced or step-families, according to a study by an MU family researcher.

"The surprising fact is that these children, who live with never-married mothers, are as resilient as they are," says David H. Demo, a professor of human development and family studies. "People have this mentality that children are going to be disadvantaged if they grow up in a single-parent home, and this study disproves that notion. It may be that adolescents with never-married mothers benefit from their intact, non-disrupted family history."

Nearly one-fourth of all American children and more than half of all black youths live in a single-parent, predominantly female-headed household. In 1989 the largest percentage, 39 percent, of single-parent families were precipitated by divorce, while nearly one-third, 31 percent, were headed by never-married parents. An important facet of the study identified the need for future research to clearly distinguish between single-parent households where the mother is divorced and those in which she never married.

Demo's study, "Family Structure and Adolescent Behavior," examined the influence of family structure and family relationships on adolescent behavior. The research, co-authored by Alan C. Acock of Oregon State University, was presented at the annual meeting of the American Sociological Association. The study used a subset of data from the National Survey of Families and Households (NSFH), the first large, nationally representative probability sample collected to describe American families. NSFH collected data on 13,017 households. Demo's study surveyed 742 mothers who reported on the behavior of their adolescents, age 12 to 18.

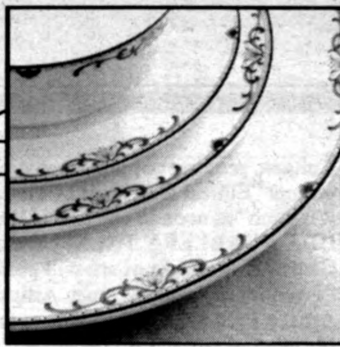
The study examines personal adjustment, emotional adjustment and academic performance of the adolescents living in the four most prevalent family structures in the United States: intact first-married family units; divorced, single-parent families; step-families; and never-married mothers and their children, one of the fastest growing types of households.

The study indicates that adolescent behavior by family type shows a consistent pattern. Adolescents whose mothers and fathers are both in their first marriage have the fewest problems and have the most desirable scores with regard to personal adjustment, emotional adjustment, completion of home-

work and grades. Adolescents whose mothers were divorced or remarried experienced more problems than their counterparts in first-married families.

Never-married mothers report fewer personal adjustment problems for their adolescents than either divorced or step-family mothers. The same pattern holds true for

completion of homework. Never-married mothers also report intermediate levels of emotional problems and grade point averages.



University

C L U B

We reopen with a flourish: six nights of dinner and weekday complimentary breakfasts.

On the seventh day, Sunday, we rest. But now from Monday through Saturday you can enjoy the finest cuisine in Columbia, and most likely in central Missouri, in our dining room.

Members and guests can also enjoy a complimentary breakfast, Monday through Friday, in our lounge. Come serve yourself in continental style. Relax with a free newspaper or, if in a rush, you can be in and out in minutes. All at your pace. All at no charge. Breakfast, incidentally, will no longer be available in the dining room.

A reminder that, if our dining room is full, you can order in lunch in our lounge.

Pumpboys and Dinettes, a chow-down, hoe-down, laugh-it-up dinner theatre. This weekend, January 22 and 23

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Cash bar opens at 5:30 p.m. in the Great Room, dinner at 6 in the Columns Ballroom with the show following at 7:30. For reservations call 882-ALUM (2586).

Breakfast hours are 7-9 a.m. and lunch 11 a.m.-2 p.m., Monday through Friday. Dinner is 5-9 p.m., Monday through Saturday. Our lounge opens at 11 p.m., Monday through Friday and at 4 p.m. on Saturday. Please call 882-0844 for luncheon and dinner reservations.

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