



07 Sep 2000

## The Missouri Miner, September 07, 2000

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# Missouri Miner

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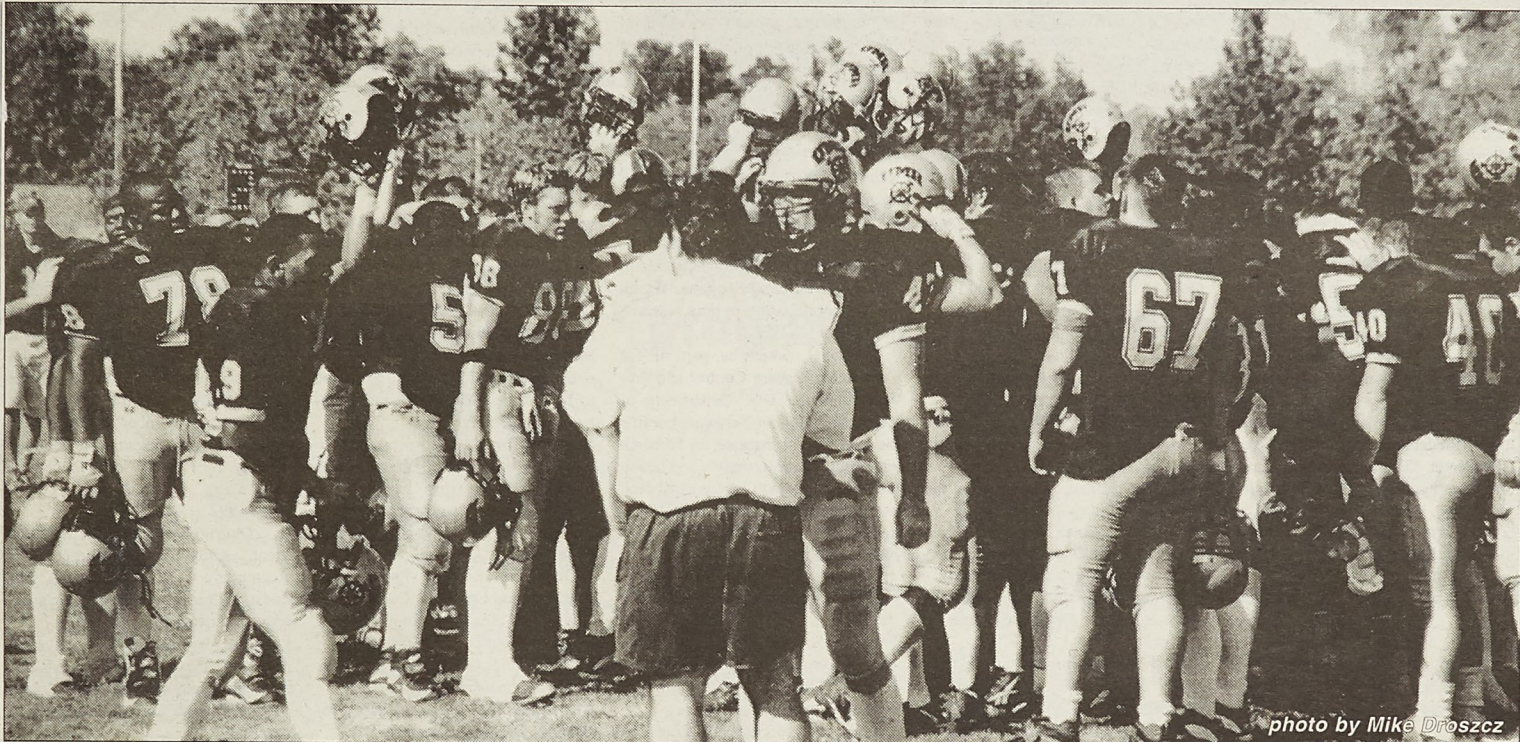
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University of Missouri-Rolla

Volume XC, Number 2

September 7, 2000

## MINERS WIN!



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### UMR football ends two-season losing streak

By SEAN ZUCKERMAN

Sports Editor  
of the Missouri Miner

1997, that's the last year the University of Missouri-Rolla's football team recorded a win. Two seasons and 22 losses later, history repeated itself.

The Miners managed to snap their 22 game skid last Saturday afternoon against Kentucky Wesleyan College. Despite it being a holiday weekend, nearly 1200 people braved the hot and humid conditions to watch the Miners capture their first victory.

"I expected them to play pretty well especially since we had so many kids who had played before. I think we did just that," said Head Coach Kirby Cannon. "We held up well to the heat. I think it helped the guys to see that Kentucky Wesleyan

was affected. We played a lot two's and three's, and we still played pretty well. I was pleased."

The Miners started the game off with a 58-yard kickoff return, but the drive stalled on Kentucky Wesleyan's 27-yard line. Alex Mendrygal's field goal attempt fell short, turning the ball over to the Wildcats. The Wildcat's Brian Hoffman connected twice on the ensuing drive to put the Miner's down 0-7.

It would take the Miner's two more drives to tally their own touchdown, thanks to star running back Ken Okwuonu. Ken accumulated 27 of his 211 yards on the day, taking the ball into the end zone on his second attempt of the drive at 7:06. Mendrygal's PAT attempt was good as well, tying the score at seven apiece.

It would take nearly another 30 minutes of playing time before

either team would score again, and that team was the Miners. After a faked field goal attempt by the Wildcats, the Miners took over on their own 23-yard line.

UMR then started its march down the field. After converting two first downs, Scott Brown hooked up with Jason Freed for a 19-yard gain, which put the Miners in Wildcat territory. Okwuonu then took over rushing the remaining 34-yards for the Miner's second of five touchdowns on the day.

Okwuonu's 211 yards was one shy of his personal record and accounted for three of UMR's five touchdowns. Redshirted freshman quarterback Jason Siller tallied 67 rushing yards and one touchdown of his own, and Brad Clarke rambled for 33 more, bringing UMR's total rushing yards to 311 for the game. Another redshirted freshman quar-

terback, Scott Brown, connected on three of his 12 attempts, recording 93-yards in the process.

The Wildcats, on the other hand, tallied 278 passing yards and 174 rushing yards for a combined 452 yards of total offense. The Miners accumulated 404 yards, taking into account the eight penalties called on the offense.

"The game teaches you," Cannon said. "We lost a lot of scoring opportunities, and we had a lot of drives bog down as a result of penalties. That's not unusual in a first game, but I'd like to get back to the way we were last year. We were a low penalty team last year, and I feel as the season goes we'll have fewer and fewer."

The Miner's defense was as solid as Cannon expected it to be. The defensive line dominated the Wildcat's offense, sacking its quar-

terback five times for a total loss of 42 yards, and stopping the Wildcat rush in the backfield, knocking 52 yards off KWC's rushing total.

"[The defensive line] played really well. We made some mistakes, but they were typical first game mistakes. We should work them out over the season; we'll definitely get better as the season goes on," said defensive lineman Casey Nordwald.

The offensive line faired similarly, holding the Wildcats to only one sack and 23 rushing yards lost. "I think the whole team played a solid game," said offensive lineman Jim Wright. "Both the offense and defense played well, and the special teams did just as well."

"We had quite a day," Cannon said. "I feel we did pretty good. We

see Victory, page 10



## NEWSBRIEFS ON CAMPUS

### UMR faculty, staff make service day 2000 plans

Faculty, students and staff members at the University of Missouri-Rolla will lend a helping hand to the Rolla community on Saturday, Sept. 30, as part of UMR's Service Day 2000.

The voluntary program provides UMR students, faculty and staff the opportunity to spend a few hours assisting the Rolla community. Local agencies and individuals may request projects—anything from painting a porch or building a deck to playing with children or visiting with seniors—by contacting the UMR office of Student Activities and University Center at 341-4295, or via electronic mail [stuact@umr.edu](mailto:stuact@umr.edu). The deadline to be included as a potential site is Friday, Sept. 8.

Projects should take no longer than four hours. Volunteers will arrive at the project site about noon on Saturday, Sept. 30, and should be back to the UMR campus by 4 p.m. The organization or individual must supply supplies and materials.

"As society moves toward a more service-oriented community, it is imperative that the community teaches the value of service to its members," says Mark Potrafka, director of Student Activities and University Center. "These values will enable the community to grow and develop in a better, brighter way. Service Day 2000 will allow UMR students, faculty and staff work with and learn from our community."

For more information or project forms, contact Potrafka or Sue Chrisko, in the UMR office of Student Activities and University Center at 341-4295 or via e-mail at [stuact@umr.edu](mailto:stuact@umr.edu).

### Seven receive awards at UMR staff recognition day

Seven University of Missouri-Rolla employees were honored Wednesday, May 24, for their contributions to the campus during UMR Staff Recognition Day ceremonies on campus.

Each winner received a certificate and a \$600 check from Chancellor John T. Park during the award ceremonies, which began at 10 a.m. in Centennial Hall of the University Center-East.

The seven winners were selected from 32 staff members who were nominated by faculty, staff and students. Winners are selected on the basis of their job performance, relationship with associates and dedication to UMR.

Awards were given to staff members in three of the four employment categories at UMR: Administration and Professional, Crafts and Maintenance, and Secretarial and Clerical. No nominations were received from the Technical and Paraprofessional category.

Receiving awards were the following:

—Rebecca Frisbee, Manager of the Office of Publications.

—Vicki Gibbons, Graduate Studies Assistant in the School of Engineering.

—Maxine Hoffman, Custodian in the Physical Facilities department.

—Gerry O'Brennan, Senior Systems Programmer in the Computing and Information Services department.

—Barbara Robertson, Administrative Assistant in the Mining Engineering department.

—Michelle Schoenborn, Senior Secretary in the Minority Engineering Program.

—Charles Wilkinson, Custodian in the Physical Facilities department.

Staff Recognition Day is an annual event coordinated by the UMR Staff Council.

### Grayson named Mining Engineering chair

Dr. Robert L. "Larry" Grayson, the first permanent associate director of mining at the National Institute for Occupational Safety and Health (NIOSH) in Washington, D.C., will become chair of Mining Engineering at the University of Missouri-Rolla, effective Nov. 1.

Grayson will replace Dr. John W. Wilson, chair and professor of Mining Engineering at UMR since 1990. Wilson will retire from UMR later this year.

Grayson, who served as a professor of Mining Engineering at UMR from 1996 to 1997, has extensive experience in mine safety management, health research and educational programs. At NIOSH, he was responsible for activities at the institute's mining research laboratories in Pittsburgh, Pa. and Spokane, Wash., and for coordinating mining research throughout NIOSH.

NIOSH, which is part of the Centers for Disease Control and Prevention in the U.S. Department of Health and Human Services, became the lead federal institute for research and training in mine safety and health with the acquisition of the Pittsburgh and Spokane facilities. Those facilities were formerly part of the U.S. Bureau of Mines.

Prior to coming to UMR, Grayson served as a professor of Mining Engineering at the College of Engineering and Mineral Resources at West Virginia University, and as chair of the West Virginia Mine Inspectors' Examining Board.

Grayson received a bachelor of arts degree in mathematics from Cal-

ifornia University in California, Pa., in 1974. He received a bachelor of science degree in engineering of mines from West Virginia University in Morgantown, W. Va., in 1978. He received a master of science degree and a Ph.D. in engineering of mines from West Virginia University in 1981 and 1986, respectively.

Grayson is co-founder of the West Virginia Small Mines Assistance Center, which provides training and other safety interventions to prevent injuries in small mines. He has also developed new methods for identifying miners at high risk of injury, and analyzing respirable dust particles in mines. At West Virginia University, he established the first mine health and safety laboratory in a U.S. university mining department.

### Several Faculty Receive Tenure, Promotions

Sixteen faculty members at the University of Missouri-Rolla have recently received promotions or tenure. They are:

—Dr. Venkat Allada, promoted to Associate Professor of Engineering Management with tenure.

—Dr. Baddrul Chowdhury, promoted to Professor of Electrical and Computer Engineering.

—Dr. Norman Cox, promoted to Associate Professor of Electrical and Computer Engineering.

—Dr. Marissa Crow, promoted to Professor of Electrical and Computer Engineering.

—Dr. Kelvin Erickson Professor of Electrical and Computer Engineering.

—Dr. Fathi Finaish, promoted to Professor of Aerospace Engineering.

—Dr. K.M. Isaac, promoted to Professor of mechanical engineering.

—Dr. Paula Lutz, promoted to Professor of Biological Sciences.

—Dr. Ilene Morgan, promoted to

Associate Professor of Mathematics with tenure.

—Dr. Susan Murray, promoted to Associate Professor of Engineering Management with tenure.

—Dr. David Oglesby, promoted to Professor of Basic Engineering.

—Dr. Kent Peaslee, promoted to Associate Professor of Metallurgical Engineering with tenure.

—Dr. Samit Roy, promoted to Associate Professor of Mechanical Engineering with tenure.

—Dr. John Greg Story, promoted to Associate Professor of Physics with tenure.

—Dr. George Dan Waddill, promoted to Associate Professor of Physics with tenure.

—Dr. Gerald Wilemski, Professor of Physics with tenure.

### Stoll appointed interim over UMR administrations

Randy Stoll, director of purchasing and business services at the University of Missouri-Rolla, has been named interim Vice-Chancellor for Administrative Services at UMR. He assumes the position previously held by Dr. Mohammed H. Qayoumi, who took a position at California State University-Northridge.

Stoll, a member of the UMR staff since 1978, began his new duties on July 1. He has been director of purchasing and business services since 1992.

During Stoll's interim appointment, Andy Lamar, Director of Accounting and Fiscal Services, will assist in the business services area; Marvin Patton, Director of Physical Facilities, will assist in the physical facilities areas; and Janice Wilson, Assistant Director of Purchasing, will become Interim Director of Purchasing.



## The Missouri Miner

The Missouri Miner is a publication of the students of the University of Missouri-Rolla. It is distributed each Wednesday in Rolla, Missouri and features activities of the students of UMR. The Missouri Miner is also online at <http://www.umr.edu/~miner>.

The Missouri Miner encourages comments from its readers and will attempt to print all responsible letters and editorial material received. All submissions must have a name, student ID number, and phone number for verification. Names may be withheld if request is justified.

The Missouri Miner is operated by the students of UMR and the opinions expressed in it do not necessarily reflect those of the university, faculty, or student body.

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Submissions for publication must be in our mail box in 113 University Center-West by 3:30 p.m. on the Thursday before publication. Submissions will be accepted through e-mail at [miner@umr.edu](mailto:miner@umr.edu). The Missouri Miner reserves the right to edit all submissions for style, grammar, punctuation, spelling, length, and matters of good taste.

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"Joe Miner" logo by Mark Smelcer



# Voyageur is UMR's first learning community

By SHAWNA MANTIA  
of the Missouri Miner

Take a group of forty-five freshmen, two mentors, one resident assistant, and one director and you get a group of people who form a new living community on campus. This new program, called Voyageur, forms a learning community of freshman who live on two floors in Thomas Jefferson Hall, have the same mentor groups and classes and share a resident assistant. The program, which started this year, is part of a University of Missouri system-wide push and is similar to programs implemented at Mizzou.

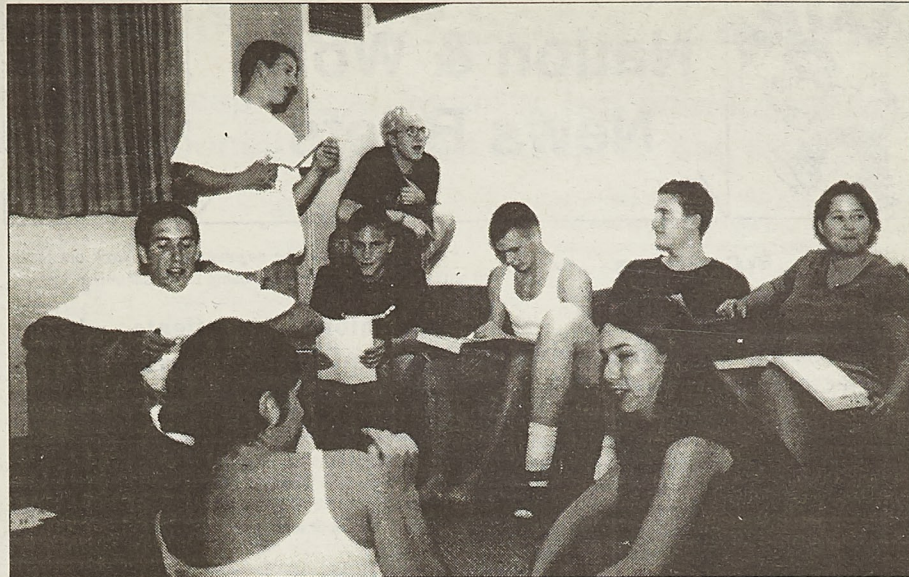
The Voyageur program attracted students for a variety of reasons. For some it was something new and for others it was an opportunity to improve their chances at succeeding

in college. Freshman Jon Ballmann said, "It sounded like good class times, good professors, and it would be great having people to study with all the time."

Sharing the same classes has it good points as well as the bad for the students. Ballmann said, "You can go right next door, ask for help, and get it"

Meghan Reed, a mentor for the Voyageur program agrees. Reed said, "There are many advantages that other freshman might be missing out on. Since the Voyageur students are all grouped in the same Chemistry and Math classes, they have an easier time finding help since they live with each other. The students have formed study groups which I see as the major advantage of living with the students one shares a classroom with."

See Voyageur, page 4



Voyageur participants study together. Students who take part in the program live on two floors of TJ together and take the same math and science classes.

photo by Kristen DeFilippo

# Environmental management system being implemented

By GRETCHEN GAWER  
News Editor  
of the Missouri Miner

In an attempt to improve the way all of campus affects the environment on a daily basis, the University of Missouri-Rolla is implementing a new Environmental Management System (EMS). The system, designed to meet ISO 14001 standards, provides a framework for streamlining various programs such as hazardous waste management and air quality controls and evaluating the impact the university has on the environment and the effectiveness of its programs.

Amy Gillman, an Environmental Specialist with UMR Environmental Health and Safety, said, "The ISO 14001 standard is an international standard used to evaluate an organization's environmental management system." The standard was developed by the International Organization for Standardization and is usually implemented by corporations. As the first university pursuing registration under the standard, UMR is looking to lead others. Gillman said, "We have a unique opportunity to set an example for other universities and organizations that want to do this."

In Nov. of 1998, UMR decided to implement the EMS instead of facing a fine from the Environmental Protection Agency for a previous violation. Developing a Supplemental Environmental Program was given as an alternative to a fine. The Environmental Protection Agency offered this in order to prevent larger problems from occurring

As part of the EMS, Environmental Health and Safety is developing a manual on handling hazardous

waste, providing environmental training to all departments and trying to educate everyone at the university to be knowledgeable of their environmental impact. They are also trying to establish a methodology for communicating environmental objectives to all departments and to continually improve the university's impact on the environment.

In order to inform all of campus, Environmental Awareness Week will be held Sept. 11-15. On Monday, student organizations, academic departments and local organizations and businesses will share information at an awareness fair which will be open to all of campus and held from 9 a.m. to 4 p.m. at the Puck. Tuesday, "Campus Ecology", an organization with the National Wildlife Federation will host clinics on environmental management systems and conservation on campus. These will occur at 9:30 a.m., 10:30 a.m. and 1:30 p.m. in the Mark Twain Room at University Center East. On Wednesday, the Missouri Department of Natural Resources and the Environmental Protection Agency will discuss the benefits of implementing this plan. Their presentations, again in UCE, will be at 9:30 a.m. and 1:30 p.m. respectively. On Thursday, several industry representatives will speak on EMS implementation at their corporations. Mallincredit Chemical Company will speak at 9:30 a.m., Daimler Chrysler Corporation at 10:30 a.m., Boeing at 1:30 p.m., Ford Motor Company at 2:00 p.m. and 3M Corporation at 3:00 p.m. All presentations will be in the Mark Twain Room of UCE, except for the Ford presentation, which will be held in 103 Engineering Management. Ford will also

See EMS, page 5

# New campus academic assistance program for students offered

PRESS RELEASE  
from UMR Student Affairs

As the Miner described in last week's edition, UMR's Excel Program has been discontinued. Excel's funding of over \$100,000 a year was part of the budgetary cuts that the campus had to make for the 2000-2001 academic year. Over a hundred students enrolled in Excel workshops each semester to enrich and supplement their educational experience in many introductory courses. Its cancellation leaves a void for these students.

An ad hoc committee of faculty and staff, formed under the auspices of Vice Chancellor for Student Affairs Wendell Ogrosky, met during the summer to develop options to fill the void and to better coordinate

academic assistance on campus. At the same time there was discussion about implementing the Seven Principles for Good Practice in Undergraduate Education (see box) that the University of Missouri's Board of Curators is promoting.

As a result of these meetings, the initial phase of Learning Enhancement Across Disciplines (LEAD) is being implemented. Prof. Ronald Bieniek of UMR's Physics Department and Dr. Denise Schlake of the Office of Student Affairs are

taking the lead in developing the program. A small amount of funds from the former ASSIST program of the College of Arts & Sciences and from the Mission Enhancement funds for student leadership development will be used this year to establish the program.

One goal of the new program will be to promote the unity of knowledge and the transferability of skills across disciplines (such as problem solving, decision making

courses will also be provided through the program. The tutoring will be monitored by faculty and Student Affairs staff to insure students receive high-quality, on-target help. Coordinated information and recommendations will be provided for academic assistance suited to students' actual needs. Review materials for national professional tests will also be maintained.

Tutors will help several students at once, either by multi-tasking or in small focused groups, through drop-in tutoring. The purpose is to give more individualized attention to specific problems and difficulties than can be offered in the learning centers.

The initial phase of tutoring will begin within a week and will be offered for several large enrollment courses (e.g. introductory courses in math, physics, chemistry and computer science). Further information about tutoring will be announced in these classes and through other media.

Students interested in becoming a tutor should complete an application form which is available at <http://www.UMR.edu/~libJcirc/files/acadassist/tJutoring.htm>. Applications for the initial selection of the tutors are due in the Office of Student Affairs, 106 Norwood Hall by 9 a.m. on Thursday, Sept. 7.

- Seven Principles for Good Practice in Undergraduate Education**
- Encourage student-faculty contact
  - Encourage cooperation among students
  - Encourage active learning
  - Give prompt feedback
  - Emphasize Time on Task
  - Communicate high expectations
  - Respect diverse talents and ways of learning

Source: Chickering, A.W. and Gamson, Z. F. "Seven Principles of Good Practice in Undergraduate Education." AAHE Bulletin, 1987, 39 (7), 3-7.

and collaboration). The main components of this program will be learning centers staffed by department-based faculty and undergraduate peer instructors. The Physics Department and the Management Systems degree program ran pilot learning centers last year which proved highly successful for a large percentage of students in the associated courses.

Although emphasis will be on small-group collaborative learning in the open environment of the centers, peer tutoring for a wide range of





## Nation & World News Briefs



By **CHIP KASTNER**  
Assistant News Editor  
of the Missouri Miner

### Largest-ever gathering of world leaders convenes in New York

The United Nations Millennium Summit, which meets today in New York and will end on Sept. 9, has brought together over 150 world leaders – the largest gathering to date. Over 700 meetings between world leaders are planned for the event. Important world leaders who decided not to attend are Iraq's Saddam Hussein, Libya's Muammar Gaddafi, Serbia's Slobodan Milosevic and North Korea's Kim Jong-il.

### Clinton vetoes bill to abolish real estate tax

On Aug. 31, President Clinton vetoed a bill that would repeal the real estate tax. The tax, often referred to as the "death tax" by its Republican supporters, imposes up to a 55 percent tax on estates worth over \$675,000. Clinton says the bill would cost the federal treasury \$855 billion over the next twenty years and that only the rich would benefit from doing away with the tax. The bill's supporters in Congress insist that the tax harms the owners of small businesses and family farms, and vow to obtain the two-thirds majority necessary to override a veto.

### College student charged in Emulex stock fraud

Late last week, the FBI arrested Mark Jakob, a 23-year old college student, who allegedly made over \$240,000 through illegal manipulation of Emulex stock. Jakob had sold 3,000 borrowed shares at \$72 and \$92 each, anticipating that Emulex's stock was about to go down. However, the stock's price increased to \$100 a share, causing Jakob to face losses of \$100,000. He managed to send out a fake press release, convincing traders that Emulex was having internal troubles. In the resulting chaos, Jakob managed to pay off his losses and reap in a healthy profit. If convicted, he faces 15 years in prison for fraud.

### Little time left to complete Israeli peace deal

Israeli Prime Minister Ehud Barak is scheduled to meet with President Clinton and leaders of European and Arab countries at the UN Millennium Summit. Both sides have set a deadline for an agreement on September 13. Opti-

mism remains that the negotiations will work out better than they did at the failed Camp David summit in July.

### Regulators investigate deaths caused by Firestone tires

U.S. officials decided last Thursday to investigate 1,400 complaints obtained by the National Highway Traffic Safety Administration that Firestone tires fitted on sport utility vehicles and light trucks have caused problems leading to at least 88 deaths and over 250 injuries. Firestone recalled 6.5 million 15-inch ATX, ATX II and Wilderness tires on August 9 after NHTSA reported 46 tire-related deaths.

### Wildfires continue to rage across western U.S.

Wildfires caused by exceptionally dry weather, which have destroyed over six million acres of land in thirteen western American states, continue to rage on with little sign of improvement, save some recent rain showers. Last week, President Clinton declared Montana a major disaster area, as fires consumed 647,000 acres in that state alone. 25,000 personnel from many different branches of governmental service are currently fighting the fires.

### Fayed files suit seeking to show Princess Diana murdered

Tycoon Mohamed Al-Fayed, whose son Dodi was planning to marry Princess Diana until both died in a 1997 automobile accident, filed a lawsuit against U.S. authorities on Aug. 31. Fayed filed the suit under the Freedom of Information Act, claiming that the Central Intelligence Agency and National Security Agency possessed documents proving that "evil and racist forces" working through Britain's security service killed the couple because the royal family did not want the two to marry. Fayed had attempted to subpoena the documents through a previous U.S. court case, but failed.

### Bush, Gore squabble over debates

The issue of presidential debates flared up when George W. Bush proposed making two of the three planned debates less formal. Al Gore, taking the opportunity to accuse Bush of arrogance and cowardice, insisted upon sticking with tradition and holding the three more formal, televised debates that have been proposed by the Commission for Presidential Debates. Political experts say that the presidential debates are crucial this year, especially with Bush's recent slip the polls.

teacher. As Mike Seper said, "You are stuck."

Dwan Prude is the Resident Assistant for both floors. The only thing he wishes could be changed is people's perception of the program. "By next year all the things that were wrong will be fixed," said Prude.

One of the biggest fears for some of the students is what are they going to do next year when they are out of their living community. Freshman Hannah Yount said, "How am I going to interact in the dorm next year? How is it going to be not having someone from each class right next door?"

Because students have classes and study together, they have fewer opportunities to meet students not in the program.

"The only disadvantage I see is that aside from John [Hortenstine, the other mentor], Prude, and I, they don't interact with many other upperclassman. I'm not sure how the students feel about this; but I see it as more of an advantage to them," Reed said.

Despite this, participants "I have had a very positive experience so far and if you like a small community within campus then you should consider it," said Yount.

## Science and Technology Update: UMR professor studies effects of zero gravity on plant roots

By **MARI HUTCHISON**  
of the Missouri Miner

Not many people think about how a plant obtains its oxygen, but University of Missouri-Rolla Professor Dr. D. Marshall Porterfield does. And so does NASA. Together, they are learning more about basic plant biology by observing how plants grow and respond in zero gravity environments.

Porterfield, an Assistant Professor of Biology, is interested in learning more about basic plant biology and how plants depend on gravity here on Earth. Meanwhile, NASA hopes to develop an advanced biological-based life support system in space. According to Porterfield, by sending the plants into space, we also learn important information about how they function on Earth.

Understanding the responses seen in spaceflight-exposed plants ultimately is dependent on how well we understand fundamental plant responses here on Earth, Porterfield says.

Porterfield's research has focused on understanding changes in oxygen dependent processes in the root systems of spaceflight-exposed plants. On Earth, the transport of oxygen through the soil to the root systems is dependent on convection. Convection is the gravity-mediated movement of masses of fluids and gases due to differences in density.

"In zero gravity environments there is no convection," Porterfield said. "So consequently oxygen availability to the roots is diminished. As a result of the problems in the root system, the whole plant does not grow as strongly on Earth as it does in space."

Understanding these responses has ultimately led to a better understanding of the phenomenon called "lodging." This is a common agricultural problem that usually occurs after floods or periods of over-irrigation. Lodging is based on changes in soil oxygen availability that prevent plants from forming good root bases.

Plant shoots grow vertically, but the roots tend to grow horizontally. According to Porterfield, the shallow growing root base leaves the plants

susceptible to being blown over by wind and renders that portion of a farmer's crop unharvestable. The space flight data led Porterfield to develop experiments that prove this phenomena is related to a decrease in soil oxygen availability in the deeper soil profiles. Porterfield's root system experiments also have led him to his current interest in microsensor technology.

In April, an electro-chemical sensor, which was developed at UMR, was tested on a special NASA KC-135 plane that is capable of simulating zero gravity. Porterfield developed the sensor to electronically mimic the oxygen consuming activity of an actual root (given oxygen availability in the soil). This sensor has applications in the agricultural field, because the sensor can alert the farmer to stop irrigation before the oxygen availability in the soil decreases below what is needed to allow plants to grow optimally.

"In October or November, I will be receiving samples of plant roots from microgravity flight experiments from the space shuttle base flight experiments flight. I will be doing analysis of biochemical activity of the roots to determine if they are receiving enough oxygen," says Porterfield.

At UMR, Porterfield encourages his students to get involved with zero gravity research. He is currently working with students who are developing a proposal for NASA's Reduced Gravity Student Opportunity Program. This program, which is managed by the Texas-based Grant Consortium, allows students to fly experiments on the KC-135. The students are currently developing protocol, procedures and equipment for the KC-135. As a portion of the project they will be growing dwarf wheat plants. This project is in conjunction with a 300 level special problem course.

NASA began funding Porterfield's ongoing research in 1993. Porterfield has published a number of research papers and has given presentations at various scientific conferences. For more information, consult the following Web site: <http://www.umar.edu/~mpo-1rterf/>.



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# Viewpoints on politics: the fate of Social Security

## Scrap Social Security and let citizens invest their money as they choose

By R. MICHAEL FRANCO  
of the Missouri Miner

In 1920, Charles Ponzi promised people that he would pay them 150 percent of the money that they invested in his plan in just 45 days. Doesn't sound like a bad deal, does it? Many gullible people began to pour money into his plan. Of course, he eventually realized that he couldn't possibly keep paying people with the interest gained on their principal. In order to pay someone what he had promised them, he simply gave them money that he acquired from new investors. Eventually his scheme collapsed, and he ended up in jail.

In 1935, a similar scheme began that is still in use today. People furnish a group 15 percent of their money, which the group promises will be repaid at a later date. This group, like Ponzi, cannot keep up with those who want to withdraw their money and provides them with money taken from those who are currently paying.

The name of this scheme is Social Security, and name of this group is the federal government. The only difference between Social Security and Ponzi's scheme is that the crooks won't arrest themselves and routinely change their rules to keep the scheme afloat.

Everyone says that we must save Social Security. Unfortunately, this means decreasing benefits and increasing taxes. Many people believe that since they have paid so much money into this system that they need to get it back. The fact is that the money that is put into Social Security is spent as soon as it arrives in politician's pockets—15 percent of your money goes straight into a pork barrel.

The two major party presidential candidates each propose their own meager reforms for Social Security. Governor George W. Bush wants you to be able to invest a minute portion of your Social Security taxes in a government-approved portfolio. Vice-President Al Gore wants you to be taxed more, with the additional taxes going into this government-approved portfolio. Neither proposal is satisfactory because as soon as the market takes a dive, they will say that we need the government to continue to serve as a "safety net."

I propose that we scrap Social Security, allowing Americans to keep what they earn to spend, save or give away as they see fit. For those currently on Social Security and those about to go on Social Security, they would continue to receive benefits. In order to pay for these benefits, we would sell off all unconstitutional government property to groups and individuals.

## Keep Social Security, but do not remove money from fund except to pay retirees

By JOSH MARTIN  
of the Missouri Miner

Few people would argue against the fact that Social Security is in a sad state these days. Every year there is a new estimate on not if, but when the program will run out of money. I have even read poll results that claim more young people believe in extra-terrestrials than believe they will ever see a dollar from Social Security. It is true that the program has been poorly run and that it will not be cheap to fix. Today there is a large segment of the population that considers the program beyond repair and would favor privatized retirement plans to one run by the government. As tempting as this idea is, it would only prove financially detrimental to the government and to a large number of citizens.

At the beginning of its life, Social Security ran at a surplus. Instead of investing this surplus to fund the program well into the future the government spent it elsewhere. It was obviously foolish to assume that Social Security would always run a surplus and never a deficit. The program should be operated as a group retirement plan using whatever money is left and any available budget surplus. This means that money should not be taken out of the fund for any reason other than for payments to retired citizens.

The question that comes up at this point is why can't the government simply allow Americans to keep their Social Security tax money and

invest it as they see fit. The answer is that it will not save any money right now, and it will cost money later on. If Social Security were canceled now, thousands of retired persons would be left without an income. Also, it would not be fair to those who have been paying money into the system. These people would need some kind of compensation, which means the program would have to continue to run for years without anybody paying into it. Now think about where we would be forty years down the road. Some people would have invested their money wisely, and such people would be able to retire in comfort. Many others, however, would not have done so well, or would not have invested at all. These people would be left penniless, and although it may be their fault, it would affect the entire nation. The country would have a choice between allowing such retirees to starve once they could not work or paying for their food and shelter with tax money. Although the cheaper route would be to leave them without food or medicine, I do not think that this nation is barbaric enough to do such a thing.

It is plain to see that some kind of Social Security program must exist. Ours has not been run correctly in the past, and that will cost us now. I do not think that the government should run a full-service retirement plan, but I do believe that any man or woman who works and pays taxes in this country is entitled to enough money in their old age to make sure that they can afford the essentials.

### UMR Crime Blotter

**08/22/00 at 12:01 a.m.:** UMR Police respond to a foot pursuit assistance call from RPD concerning student Samuel G. Beckham, age 24, who had been detained for being Intoxicated In Public and had fled while being transported in the patrol car. Beckham was apprehended and placed in 12 hour Protective Custody at Phelps Co Jail due to his condition. Report information will be sent to Student Affairs.

**08/23/00 at 12:30 p.m.:** UMR Police investigate staff report of theft of an external Zip drive from an office in McNutt Hall sometime during the previous week. Continuing.

**08/27/00 at 4:30 a.m.:**

*UMR Police investigate report of unknown persons "skinny-dipping" in the TJ Hall Swimming Pool. Subjects left while police were being notified, and reportedly went to a nearby house. Occupants were questioned and wet shorts were observed at the residence. Continuing.*



**08/24/00 at 1:35 a.m.:** UMR Police detain and issue city traffic citation to student Dale G. Cerney, 23, for Disobey Electric Signal.

**08/24/00 at 3:30 p.m.:** UMR Police retrieve university keys from P&P officer taken from campus employee William Bonebrake, age 56, who was arrested and incarcerated at the Phelps Co Jail on probation violation charges.

**08/24/00:** UMR Police receive RPD reports concerning a non-student who filed a complaint of attempted rape against a student at 1701 White Columns Dr. During the course of the investigation the alleged victim changed her mind and dropped charges, signing a "Refusal to Prosecute" form. A crime alert was generated and posted on campus as is required by the Jeanne Clery (Campus Security) Act.

**08/25/00 at 11:30 p.m.:** UMR Police return keys obtained on previous day to employee's supervisor.

**08/28/00 at 8:35 a.m.:** UMR Police detain contract employee for driving the Wrong Way In A One Way. Verbal warning given.

**08/28/00 at 9:26 a.m.:** UMR Police detain student for bicycling on campus. Same was given a verbal warning and entered in the Trespass Database in Dispatch.

## UMR ranked 56th on U.S. News best undergrad engineering program survey

By MATT SMELCER  
of the Missouri Miner

U.S. News and World Reports "Best Colleges of 2000-2001" survey, recently ranked the University of Missouri-Rolla as a second tier national university. The rankings are divided up into four sections. The first section is the "Top 50," which is rated by comparing their opinion of the best fifty colleges overall in a competitive, individual order. The second tier is comprised of the next best sixty-four colleges, listed alphabetically in a non-competitive fashion. The third and fourth tiers are the next best one hundred and thirteen colleges that made the list, also listed non-competitively. A total of 219 of the 1400 colleges surveyed made the best overall list. The top-fifty section rated Princeton, Harvard and Yale as the best three colleges in the nation in that order.

The entire survey was divided into many sub-sections, pertaining to individual specialties of different schools. The only other list concerning UMR was "Best Undergraduate Engineering Programs Offering a Ph.D." in which Rolla ranked number fifty-six.

### EMS From page 3

present information on their hybrid electric vehicle. Friday will be reserved for presentations by UMR students, faculty and staff. During the week, general awareness training and hazardous materials and waste management training will be provided over the internet and by UMR Environmental Health and Safety.

On April 18, 2000, the Chancellor and the Chancellor's Staff Group signed UMR's new environmental policy. It states: "The University of Missouri-Rolla has a major responsibility to educate tomorrow's leaders in engineering and science. UMR believes that proactive environmental management is a fundamental component in education our future leaders. UMR is committed to the protection of human health and the environment by integrating environ-

mental stewardship into the education, research, administration and business activities of the university. UMR is dedicated to an environmental management system that is focused on continually improving its impact on the environment, preventing pollution and ensuring compliance with relevant environmental legislation and regulations, as well as with other requirements to which the university has subscribed."



# Opinions/Editorials

Page 6

The Missouri Miner

September 7, 2000

## UMR staff often not user-friendly

AN EDITORIAL BY FEATURES EDITOR,  
ANDREA BENSON

Two years ago, I would've thought my most troublesome problems were going to be understanding engineering assignments and professors. Unfortunately, my experiences at UMR has been wrought with unfriendly and unhelpful staff, particularly when dealing with the financial-aid employees.

This summer, I experienced the horror many students encounter when the money they were looking forward to gaining from parents disappears. I was oblivious to the fact that no money would cover my classes until all my classes were dropped because I had not covered my first payment by the first day of classes. I reregistered my classes and discovered that my classes would be dropped again if no money was paid in the full amount by the end of the day. I, not counting on the horrible but unavoidable loss of funds after the sudden poverty of my parents, had not filled out the Free Application for Federal Student Aid (FAFSA). The attendant at the desk told me quite harshly that I could not be extended any emergency funds for the summer despite my prior exemplary record of payment nor my 4.0 grade point average. If not for my advisor, I would not have known about the loans available through the Alumni Association. Unlike the Financial Aid office clerks, the staff at the Alumni office were courteous, friendly and informative.

As I was eating lunch one afternoon, I talked with other students about my experience with unfriendly staff at the university. I discovered I was not the only one who had had difficulty. One transfer student told me about his problems with e-mailing the Undergraduate Admissions office and receiving the most inaccurate information concerning his transfer. He was told to contact the Alumni Association office for a scholarship offered not through the Alumni Association, but through the Financial Aid office itself, given wrong phone numbers, e-mail addresses, and transfer credit information. A procedure which should have been easy became an instant nightmare for the transfer student as he was quickly forced to become acquainted with a completely unfamiliar campus and uninformed staff. I wouldn't blame him if he had decided to go back to his original campus after the treatment he received here! Another student listening in on our conversation chimed in. He was from Belgium and was also given inaccurate information from the Student Affairs office. He was also forced to go through three different departments to obtain the necessary information about his health insurance plan! While this may not be a formal survey of staff attitudes, it was troubling that my frustration was echoed by someone else.

Unless I am mistaken, the university was trying to recruit and retain students to improve the failing enrollment. If this is the case, then I suggest that the department make a new directive to inform the university staff of policies, maybe even keep a revised Blue Key by their desks with correct e-mail addresses and phone numbers, and have at least a remedial understanding of what each department is responsible for. I know it is not that hard to accomplish, because every time I walk into the University Center office next to the bookstore, I am welcomed with a smile and a staff willing to answer my questions or at least make phone calls to find out who can help me. The Alumni office also makes an effort to assist students in the same way. It is because of this type of personnel that students ever receive aid concerning the completion of business so that they may quickly get back to what they really need to worry about: classes, tests, professors.

I have a few words for those unsupportive staff. If you really want more money to go to your department from helpful alumni, or from the accumulation of more students, or from students transferring from other schools from all over the world then I suggest a first step: be nice. Be helpful. Be informative. If this is a problem for you, then I advise you go talk to your superiors and they can certainly help you achieve your smile or help you out the door. We need more staff at this university who remember what it was like to have more than their share of problems without the addition of more problems by rude and ignorant staff. For those staff who give their endless aid to the average college student, I applaud you and thank you for your tireless efforts.

These days many students like myself have difficulty with sudden loss of parents, their income, or the like. Every single person in the world will someday encounter a similar situation, and I am sure that everyone would like to have supportive people around them to make their load that much lighter. I agree that some people and circumstances cannot always be helped because of the details of the situation. However, everyone deserves the maximum amount of courtesy we expect when we are in their position.

# Submit via e-mail

In addition to our mailbox in  
113 University Center West,  
you can also submit opinions and student  
organization articles to [miner@umr.edu](mailto:miner@umr.edu).

SARAH COWEN



Proud to be an American

America, the land of the free and the home of the brave. Does that make you feel patriotic? How about the vision of the American flag flying high over the crowd at a Fourth of July celebration? Frankly, the idea of it makes me angry. Neither the flag nor the celebration of our independence make me upset, but the fact that the words "America" and "American" have come to mean "The United States of America" and "a United States citizen."

Have we lost our minds? Since when is there an American flag? I have never seen one. There is a United States flag, there is a Canadian flag, a Mexican flag, a Panamanian flag, and even a Venezuelan flag, but to my knowledge there is no American flag. Are we so intoxicated by our own power that we think we own North, Central and South America?

Granted, it is not just United States citizens that call us Americans. The rest of the world is starting to do it as well. It is easier to say American than it is to say "United States citizen," but what are we saying? The point is, the term American no longer defines a person living in the Americas.

I have gotten a lot of hostility every time I have brought up this subject. Most people think I'm some sort of freak for not being patriotic. I love my country and I consider myself to be very patriotic, and that is why I am upset by our loss of self-definition.

I am not the only person who thinks the flippant use of the word American is disturbing and offensive. Upon arriving in the United States, Chilean artist Alfredo Jaar was shocked when he realized that English speakers do not think of Canadians, Mexicans, Colombians and so forth as Americans. Jaar was bothered that he was perceived as "Hispanic" or "Latin" but not as American.

"This country has cooped the word America," Jaar claimed.

Jaar used his artistic talents in an effort to enlighten the people in the United States about the true meaning of the word America.

Jaar created a computerized animation that appeared on a signboard above New York City's Times Square in April of 1987. The animation depicted a map of the United States with the statement "THIS IS NOT AMERICA" written across it. Slowly the word America would grow larger and larger until it filled the entire sign. At the same time, the letter R transformed into a map of North and South America.

Jaar wanted everyone who saw the sign to understand the meaning of the word America, the meaning he had always known.

America does not belong to the United States. Another thirty-three nations say they are part of America and their 500 million inhabitants ARE Americans.

I am an American, but the Revolutionary War was not won for America, it was won for the United States. If we feel pride when we say the word America, that is something we should share with all the people of North and South America.



## Men's soccer starts off 3-0, best start since 1981



Goalie Todd Wilfling reaches over a St. Joseph's player in one of his two saves of the day. Wilfling recorded his second shut-out of the year. Wilfling is now just one shut-out away from a school record for career shutouts.

photo by Mike Droszcz

By TERA CALLUM  
of the Missouri Miner

After a warm-up in Europe, which tested the University of Missouri-Rolla's men's soccer team against some of the best teams in Europe, the team got to get their first test against foes from the Great Lakes Valley Conference this past week.

The Miners opened their season with an away game at Evansville, Ind. against Southern Indiana University. The Southern Indiana Screaming Eagles are coming off a 4-12 season and only broke into the win column once in their conference in the last year.

The game started out slow for the Miners, taking the game well into the second half with a 0-0 tie. It was then that the Miners began to play.

"I think we came into the game expecting to win," winning goalie Todd Wilfling said. "We were a little slow starting the game, but in the second half we came out a lot stronger."

That strong second half consisted of three goals that all came in the last fifteen minutes of the game. The first goal of the season came after 77:26 of play when senior Chris Leonard passed off to senior Nathan Wojtkiewicz to give Wojtkiewicz his first goal of the regular season.

The Miners quickly regained the ball again after the faceoff and starting a quick drive down the field less than five minutes later as this time Hass Jassim would pass off to B.J. Stuhatz who would put the Miners up 2-0.

Wojtkiewicz would not let it settle at that. He would barley give the announcer the time to announce his teammate's goal when he would watch Sean Ackley pass off to Tim Suiter. Suiter quickly passed off to

Wojtkiewicz who would put in his second goal of the season two minutes after the previous Miner goal.

"We were in control the whole game we just missed some chances early on," Wilfling finished.

The score would then stand at 3-0 for the final. Wilfling had a quiet day in goal as he recorded his first shutout for the season. Southern Indiana only recorded six shots on the day with only two requiring Wilfling to record a save. The Miners on the other hand kept the Screaming Eagles goalie busy with 15 shots on the day.

In the end Southern Indiana's frustration began to show as they would record 17 fouls for the day and one yellow card.

After the quick warm up game, the Miners would go on to compete in a tournament at home. The day would start with a competition between Missouri Southern and Indianapolis. After watching University of Indianapolis take Missouri Southern into overtime, where they would win 4-3, the Miners would get to take the field against St. Joseph's of Indiana.

St. Joseph's returned 15 letters from the previous year so on paper they looked as experienced as the Miners, but the Miners would prove that experience could not compete with them.

John McQueary started the scoring as he passed off to Stuhatz who put in the first goal of the game in the first half. The scoring would then take a lull as the Miners would have to wait until there were just ten minutes left in the game, during the second half when Jassim would once again get the assist as he would pass off to Jeff Leonard who would put in

see Yellow Card, page 8

## Heat shortens cross country course, Miners trudge through

By TERA CALLUM  
of the Missouri Miner

After practicing in over one-hundred degree weather for the past two weeks, the University of Missouri-Rolla cross country team knew that they would be in for a scorcher this weekend at Southern Indiana University.

The team did get a small reprieve from the weather when at the last minute, the meet was shortened to a four mile for the men's race and a four kilometer race for the women's race.

"We did not expect the race for be shortened," said Coach Sarah Preston, "it was quite a surprise to us, but it was a good decision. It was not as hot there as it has been here, but it was the humidity that would have made it ugly. I wish we would have known before the race so that we could have prepared differently, but as I said it was obviously the right decision since we did not have anyone have to drop out of the race due to heat. That is something we always have to worry about this time of the year. It often takes runners quite a long time to recover from dehydration so it is not something that we want to hit this early in the year. Saturday, though, I

feel that we were all able to adjust very well to the heat."

For the first meet, the cross country team had problems other than the heat to worry about. Not only would they have the heat, but they would also have two other teams that have consistently performed at levels higher than the UMR team has been used to competing at. Southern Illinois-Carbondale, five year champions of the Missouri Valley Conference, and Southern Indiana, former champions of the conference that UMR currently resides in, would prove to be difficult teams for the UMR Miners to take on in their first race of the season.

"We had quite a few people who were first timers in college races," said Preston, "I know there was a lot of apprehension coming into the race, but I felt that we were able to put that behind us once we started the race. No one was really able to tell the newcomers what to expect so there was no way to prepare them for what was to come. I felt that they all did a really good job in each of their races."

Walter Kramb was able to put together the best race of the day on the men's side on Saturday. After running consistently as one of UMR's top runners last year, Kramb was eager to

show Coach Preston just what he is capable of.

"I went out fast on Saturday since Coach has been riding my case the past week. I wanted to show her that I could race," said Kramb. "After the first mile I just continued to work through to the end. My overall time ended up pretty good, but I think I can still improve on it. I also need to work on packing up with the team."

Kramb's final time of 21:40, which put him at a pace of 5 minutes and 25 seconds a mile, gave him an overall finish of 10th, which was the Miners top spot for the day.

"Walter had an extremely good race," said Preston. "He went out extremely aggressively, which benefited him in the end."

Overall the men had two other runners finish in the top twenty, Kevin McGuire, who finished just behind Kramb in a time of 22:05, and Steve Kerr, who finished in a time of 22:50. Newcomer freshmen Joe White finished just out of the top twenty with a time of 23:06.

On the women's side it was the newcomers that would dominate overall. The top two finishers for the Lady Miners were freshman Sondra Terry,

see Newcomers, page 8

### Miner Match-up

#### Cross - Country Season Schedule

Fri., Sept. 8	Mule Run	Warrensburg, Mo.
Sat., Sept. 16	Southern Stampede	Joplin, Mo.
Sat., Sept. 30	Miner Invitational	Rolla, Mo.
Sat., Oct. 7	Border States Invite	St. Louis, Mo.
Sat., Oct. 21	MIAA Championships	Rolla, Mo.
Sat., Nov. 4	NCAA Regional	Commerce, Texas
Sat., Nov. 18	NCAA Championships	Pomona, Calif.



## Lady Miner's offense stalls, lose to ranked Southern Indiana 1-0

By ANTONE SMITH  
of the Missouri Miner

After less than a week of rest, the Lady Miners were back out on the field in the sweltering heat to play soccer. The Lady Miners continued their season opening three-game homestand as they took on Southern Indiana on September 1st.

Southern Indiana finished last season with a 10-7-1 overall record and a 8-2-1 record in the Great Lakes Valley Conference. Southern Indiana took second place in their conference behind Northern Kentucky, whom the Lady Miners defeated the previous Sunday. The last time Southern Indiana and UMR met was back in 1998 when the Lady Miners traveled to Evansville, Ind. where they lost by a score of 3-2.

Looking for a little revenge, the Lady Miners came out playing hard and looking to score early. The game turned out to be a little harder than the Lady Miners expected, as Southern Indiana was able to shutdown Denise McMillan, the Lady Miner's top scorer so far this season. McMillan was shutdown by number four of Southern Indiana, who stayed by McMillan wherever she went.

"She was faster than me, but I wouldn't say that she was better. She did her job effectively and for that I respect her," said McMillan. "I just wish that I could have helped my team out a little more. Not being able to help out the team really frustrated me."

## Newcomers

From page 7

who finished in a time of 16:43, and freshman Kate Hamera, who finished in a time of 16:50.

"I feel that the heat did put a small damper on my running abilities on Saturday, but much of the course was in the shade so not as hard as I had anticipated," said Hamera. "I really did not know what to expect going in to the race so I went in with a pretty open mind. I just decided to go out and run my best."

Finishing just behind the two freshmen was senior Kim Hoffman who has been fighting illness all week. Hoffman was still able to stay with the freshmen finishing just behind the duo in a time of 17:02. All three were able to break into the top twenty finishers.

Finishing just out of the top twenty were Jennie Garrison and the Lady Miners other newcomer, Sarah Thompson who were less than a minute out of the top twenty for the race.

"I saw a great improvement from both teams in comparison to past years," Preston said. "I saw a higher

level of aggressiveness from both teams at the start, which is something we have been lacking in recent years. I was very glad to see the two freshmen ladies go out so aggressive in the women's race. I definitely liked what I saw all around on Saturday."

The Miners will travel to Warrensburg, Missouri on Saturday, September 8 for the Central Missouri State Mule Run. The meet will be the first one that CMSU has hosted in recent years and will actually be a course even shorter than the ones ran this week, just a two mile run for the women and a four mile for the men's race.

"I am hopeful that the race will be good for us," Preston said. "This is the course that conference will be held on so I wanted to give the team a chance to see it before the conference race. The race will be held in the evening so the temperatures should be more comfortable, and I like the course, it has good footing and rolling hills. It should be a confidence booster for the entire team. It should make for a good experience for the team."

The race will start at 6:30 on Friday, September 8 in Warrensburg, Missouri.

## Yellow Card

From page 7

the Miners second goal of the game.

The Miners would not be happy to leave the game at a 2-0 mark, though, as Stuhlsatz would take an assist from goalie Wilfling and Chris Leonard to put in the third goal of the game at the 83:29 mark.

Wilfling would record his second shutout of the season as once again he would only have to defend 2 shots on goal for the day. The Miners, meanwhile kept the St. Joseph's goalie busy with 17 shots on the day.

After a Wednesday's fairly friendly game against Southern Indiana, Saturday's game looked more like a WCW wrestling match. The two teams would total over 40 fouls for the day, and six yellow cards, three for each team.

The Miners then headed into their last game of the weekend where they would try to defend their undefeated record against University of Indianapolis. Indy was coming off their overtime game from the day before in the 100-degree weather.

In the past two years Indianapolis has beaten the Miners, so there was some bad blood that the Miners were looking to revenge.

The game started off slow for both teams, but Wojtkiewicz broke the 0-0 standoff after half an hour of play as he would take an assist from Stuhlsatz. Just five minutes later Ackley would then take off down the field to go one-on-one against the Greyhound goalie and put in the second goal of the day.

McQueary would then put in the final goal of the half when he would be rewarded a penalty kick at the 41:26 mark.

The Greyhounds would come out from halftime with more energy that would get them their one and only goal of the day, but it would not

be enough as John Almeida would fight off the Greyhound defenders to set himself in the corner and then send a strong cross to Wojtkiewicz, who put in the final goal of the game to end at 4-1.

"We thought our harder game would be on Sunday against Indy," said defender Aaron Orgorzalek. "They have beaten us that last two years so the win against them meant a lot to us."

In all the Miners embarrassed the Greyhounds all over the field. Many times the footwork of teammates such as Jassim, Wojtkiewicz and others made themselves look like the Harlem Globetrotters of soccer. By the end of the game, the Miners had recorded 26 shots on goal, their highest mark so far this year.

Once again the frustration of being outplayed affected the Miners opponents as Indy would commit 20 fouls during the course of the game and would have two yellow cards and one red card that resulted from one player receiving two yellow cards for the day.

The Miners did take advantage of being so far ahead in both of the games that they played this weekend.

"We were all tired as a result of the heat," commented Ogorzalek, "We were all tired by the ends of the game, but we were lucky being up so far so we did not have to go nuts at the end of the game."

The win on Sunday gave the Miners a 3-0 start, a stat they they are able to boast for the first time since 1981 and if they win their next game could have their first 4-0 start ever.

Other records that are in danger of falling to this years Miners team is a scoring record currently held by Kurt O'Brien. At this time Wojtkiewicz has 31 goals, just four shy of the UMR career goals record.

Wilfling is also chasing a career record: After recording two shutouts this week, his seventh and eighth shutouts of his career, Wilfling is only one shutout short of Steve Temme's record. Wilfling currently has a .35 goals against average for the season.

The Miners will get a short break before they try to break these records, as they will not have another game until this weekend when they will travel to Fort Wayne, Indiana to take on Indiana-Purdue-Fort Wayne at 12:30.

## Miner Match-up

### Men's Soccer

UMR

vs.

Indian-Purdue-Fort Wayne

Sunday, Sept. 10

Fort Wayne, Ind.

Game Time 12:30 p.m.



Nathan Wojtkiewicz runs by the Miners goal in celebration after the Miners third goal of the day was put in by teammate B.J. Stuhlsatz. The Miners went on to beat St. Joseph's 3-0.

photo by Mike Droszcz





The UMR Miners rally together to encourage the kickoff return team during the first kickoff of the Miners 2000 season.

photo by Mike Droszcz

## Miners set to face off against former coach and Missouri Valley

By SEAN ZUCKERMAN  
Sports Editor  
of the Missouri Miner

The University of Missouri-Rolla's football team is sporting a 1-0 undefeated record after defeating Kentucky Wesleyan last Saturday.

Kentucky Wesleyan is ranked number one in National Collegiate Athletic Association Division II athletics for schools that do not give athletic scholarships. Against this team, the Miners racked up 311 yards of rushing and 93 yards of passing on just three completed passes. The defense penetrated the Wildcat's backfield causing 52 yards to be knocked off their total of 174 yards. Kentucky Wesleyan's quarterback was sacked five times for a combined loss of 42 yards.

The game helped resolve the battle for quarterback. Going into the season opener, redshirted freshmen Scott Brown and Jason Siller were fighting with sophomore Mike Mahoney for playing time.

"We played two quarterbacks on Saturday. They're very different players. Jason is an exciting player. He's a good runner, and he's comfortable coming off the bench. He provides that spark the team needs when he's out there. Scott is a nice passer. He brings a higher level of stability to the position. I'd look to see both throughout the season," Head Coach Kirby Cannon said.

One thing that the team needs to work on is their passing game. Only 12 passes were attempted in the home opener. Of those 12, only three found their mark accounting for 93 yards of offense.

"We know we need to throw more. I think it's clear that our running game is in place we need to expand and work on the pass. In this world, I believe you have to throw to win. I hope that we can throw as well as we run the ball. It's just slower to develop, so we will definitely improve as the season progresses," Cannon said.

This weekend, the Miners take their show on the road to face Missouri Valley. UMR's previous head coach, Jim Anderson, is currently Mo Valley's offensive coordinator after a short stint in the International Football League, which is similar to the more popular arena football league.

This game looks to be Mo Valley's biggest game of the year as they are in the NAIA and UMR is a Division II school.

"I hope the kids are ready to play. This game is the highlight of [Missouri Valley's] schedule. We're a Division II school, so this looks to be their toughest game all year. You have to get over wins like losses and focus on the next game. The team needs to get refocused and ready for another game. We need to fight fire with fire," Cannon said.

The game is set for a 7 p.m. kickoff time under the lights in Marshall, Mo. not far from Sedalia, Mo. This upcoming game is the first of two road games for the Miners. On Sept. 16 the Miners will square off against Missouri Western. The next home game for UMR is on Sept. 23 against Mid-America Intercollegiate Athletic Association rival Truman State. It will be Hall of Fame day as well. Game time is set for 1 p.m. in Jackling Stadium.

## Broncos and Rams put on offensive display in Monday night opener

By ROBYN NORWOOD

L.A. Times / Washington Post

Worst to first: The Denver Broncos think that has a nice ring to it.

That was the St. Louis Rams' game last season, and on the night the Rams hung their Super Bowl banner and showed off the Vince Lombardi Trophy at midfield, they weren't inclined to let any dreamers ruin the evening.

The Broncos tried, taking a one-point lead in the fourth quarter before losing, 41-36.

The Rams' Kurt Warner set a new career-high with 441 yards passing in front of 65,956 in the Trans World Dome in the Rams' first Monday night game since moving from Anaheim, Calif.

What Warner does almost fails to inspire wonder anymore, though the Rams' 513 yards were more than they had in any game last season, and they had three players with 100 yards receiving, Az-Zahir Hakim, Torry Holt and Marshall Faulk, for only the second time in team history.

The other was the 1951 game when Norm Van Brocklin passed for an NFL-record 554 yards.

The surprise in this game was Denver's Brian Griese, who didn't look like the quarterback who was considered a weak link on the 6-10 team that finished last in the AFC West.

Griese passed for 307 yards, completing 19 of 29 passes with two touchdowns and no interceptions, and the Broncos played the Rams close on a night when the Ram offense was almost unstoppable.

"That's a fine football team. We're an evenly matched team," said St. Louis Coach Mike Martz, who won his first game as coach after serving as offensive coordinator under Dick Vermeil last season. "Brian Griese, that young man has a heck of a future."

Denver took a one-point lead, 36-35, with 6:35 left in the game after Terrell Buckley returned an interception 32 yards for a touchdown. A two-point conversion attempt failed.

The interception was one of an uncharacteristic three Warner threw as he completed 25 of 35 passes with three touchdowns.

"I'd love to have those three balls back, but I've got to give credit to them the way they played," Warner said. "Brian Griese played very well.

I think they're going to be very good."

The Ram machine came through when it had to, scoring on a drive that included a 22-yard pass from Warner to Ricky Proehl on third-and-14 before Marshall Faulk's 30-yard run set up Robert Holcombe's one-yard touchdown run with 2:58 left.

A two-point conversion attempt failed, but the Rams had done their job.

The Broncos' final possession petered out after D'Marco Farr and Kevin Carter sacked Griese on consecutive plays and Griese's fourth-and-33 pass fell incomplete.

The Broncos were in the game until the end even though they did not have Terrell Davis for long.

Davis, making his first regular-season appearance since tearing ligaments in his right knee in the fourth game last season, left early in the second quarter after spraining his left ankle.

He looked solid until then, carrying nine times for 34 yards, and is listed as day-to-day.

Olandis Gary, who filled in so well last season, rushed for 80 yards in relief, but Griese carried the day.

"He's a totally different guy. That's not the same No. 14 as last

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**Women's Soccer:**

UMR 5  
SMS 3

Denise McMillan 3 goals  
Lizz Szkrybalo 2 assists  
Ana Mora 8 saves

UMR 0  
Southern Indiana 1

Ana Mora 3 saves  
UMR 16 shots

**Men's Soccer:**

UMR 3  
St. Joseph's (Ind.) 0

BJ Stuhlsatz 2 goals  
Jeff Leonard 1 goal



UMR 4  
Indianapolis 1

Nathan Wojtkiewicz 2 goals  
Sean Ackley 1 goal

UMR has outscored opponents 10-1 in 3 games

**Football:**

UMR 35  
Kentucky Wesleyan 28

UMR 7 0 14 14 - 35  
KWC 7 0 7 14 - 28

Offense:  
Ken Okwuonu 211 yards rushing, 3 TDs  
Drew Bullocks 58-yd kick return

Defense:  
Jason Elrod 5 tackles  
Mike Drennen 1 sack

**Cross Country**  
Stegemoller Classic

Men's:

- Third of 3 teams  
10. Walter Kramb, 21:40  
16. Kevin McGuire, 22:05  
18. Steve Kerr, 22:50  
22. Joe White, 23:06

Women's

- Third of 3 teams  
14. Sondra Terry, 16:41  
15. Kate Hamera, 16:50  
16. Kim Hoffman, 17:02  
22. Jennie Garrison, 18:29



Drew Bullocks evades the Kentucky-Weslyn special teams as he took off down the field for a 58-yard return that put the Miners on the Kentucky-Weslyn 27. The return would be the start of the Miners 35-28 win. *photo by Mike Droszcz*

**Victory**

*From page 7*

rushed the ball really well. We had over 300 yards on the day. We knew going in that we weren't going to throw the ball very much. We had a young quarterback that we had to protect."

As the final few seconds ticked off the clock, Cannon felt relieved that the pressure was finally off the team to win.

"I was feeling relief. I was happy we were going to win, and at the same time I felt relieved that the pressure to win a game was gone. In a situation like that where you've been rebuilding for two years and haven't won a game, there's a lot of pressure on the older kids to win. It felt good to get that off and be able to focus on game at a time. Recovering from a win is just like recovering from a loss. You have to move on and focus on the next game."

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# Features

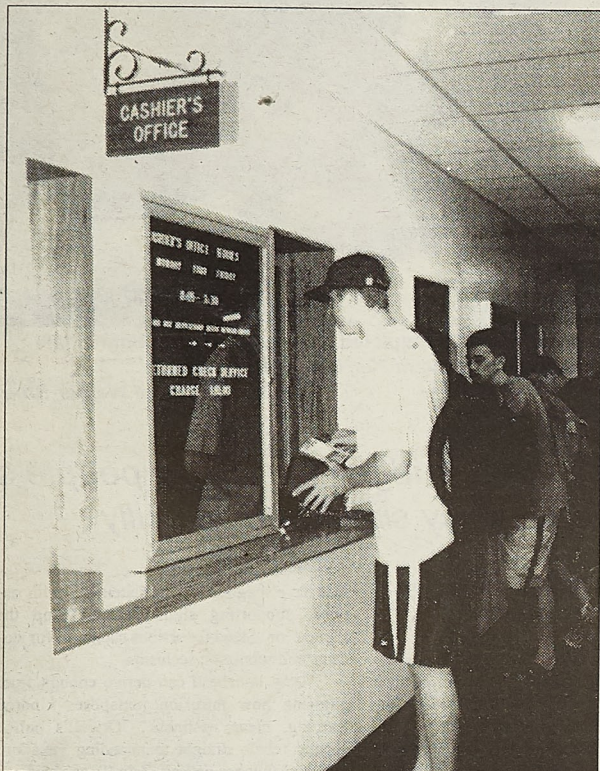
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- Commentary: Senior vacations, page 13
- Grease & Gears: broken a.c. unit?, page 14

September 7, 2000

The Missouri Miner

Page 11

## Emergency financial help for students is available



Freshman Sam Moretti pays for his tuition at the cashier's window in Parker Hall. Many students have trouble making their necessary payments. *photo by Kristen DeFilippo*

By SARAH COWAN  
of the Missouri Miner

For many students, dealing with financial aid on their own can be enough to give them an ulcer. There are so many deadlines to remember and forms to fill out, it's hard to believe the government is trying to help with the process.

There is help out there. The Department of Admissions and Student Financial Aid at the University of Missouri - Rolla has resources to help each student find the financial programs that fit his or her financial needs.

There are many ways to get financial aid. There are loans, scholarships, part-time employment, grants and others. This past year, under all of these programs, over 70 percent of UMR students received some form of aid. \$40 million in financial aid was dispersed at UMR alone. This is a lot of money, but many students feel they are having a hard time paying for tuition and other expenses that come with being a college student. Financially downtrodden students beware! There are people out there waiting to dupe students in need.

"There are quite a few firms that guarantee a student financial aid if the student provides the firm with money," Bob Whites, Associate Director of Admissions and Student Financial Assistance explained. "We do not endorse any of those types of companies," Whites said.

Instead, UMR encourages students to visit <http://www.fastweb.com> when searching for scholarships and other aid. FastWeb is a free service that provides a scholarship search, expert advice and cost calculators. Both UMR and FastWeb urge students to fill out the Free Application for Federal Student Aid. Even if a student feels he or she does not qualify, it is important to fill out the FAFSA.

"Sometimes a student feels like he or she does not need financial aid or would not qualify," Whites said.

"However, if unforeseen circumstances arise, it is good to have the FAFSA on file."

In the event of the loss of a parent, a parent's loss of income, divorce, or other instances, a student may be in dire need of financial assistance. UMR encourages all students to complete the FAFSA each year.

"Being over-prepared is always better than being under-prepared," Whites said. "But we do understand that there are times when things happen, and there are places to go when your financial situation takes a turn for the worse."

Student Financial Aid as well as the Alumni Association offer emergency help. Financial Aid can offer aid to students in need whether for tuition or things like car problems.

"If any student hits a rough spot, he or she should speak with someone from Student Financial Aid," said Whites. "We take pride in this office in trying to provide students with a good service. No matter what the situation, we can provide any student with options."

"Options" does not mean that money is waiting for each student. But even if a student does not qualify for need-based aid, part-time employment on campus is an option, as well as departmental scholarships and so on.

Even though there are always options, there are a few things to know before heading over to Parker Hall and filling out the FAFSA. At UMR, about 80 percent of all students are considered dependent by federal standards. The difference between dependent and independent status is something every student should know.

Eligibility for need-based financial programs are based on actual financial need after calculating cost of school and estimating how much a student and his or her family should be able to pay. Students who are considered dependent must provide their own and their parents' financial information while independent students need only pro-

see *Financial help*, page 14

## Former Chancellor Park says goodbye, but not to Rolla

By SARAH COWAN  
of the Missouri Miner

On Friday, Sept. 1, Chancellor John Park officially retired and Dr. Gary Thomas assumed the position of Chancellor at the University of Missouri - Rolla.

Former Chancellor Park has seen dramatic changes to UMR, and a number of those changes occurred while he was Chancellor.

"The library and the Rolla Building were renovated, additions were made to Bullman and Electrical Engineering, Castleman and the Campus Support Facility were erected as well as the Cultural Center, and even now we are seeing changes to campus with Civil and Mechanical Engineering," Park said. "With all of these changes, I am most proud of Bullman, Castleman, CSF and the Cultural Center. They are for the students."

Park said he has always been dedicated to improving the quality of life of the students at UMR. His dedication is shown in the things he has done while Chancellor.

So, what is next for John Park? He has many plans for himself and his wife during retirement.

"I still have some business interests. My brother and I own a factory in India, one in Czechoslovakia and one in Ireland. I haven't had time to help out with them and now I will have the chance," Park said. "I love building apparatus and equipment and there are some things I want to work on to make the factories more efficient."

Along with developing equipment, Park likes to build model airplanes. He loves to travel as well.

"My wife and I would like to go to London for a while to see how life actually works there. It is hard to enjoy the city and its natural ebb and flow while on vacation," Park said.

Park would eventually like to spend time in London, but his immediate plans include staying in Rolla.

"We are building a house here in Rolla," Park said. "This way I can come back every once in a while and eat lunch with my colleagues."

see *Dr. Park*, page 14



Former Chancellor John Park talks with friends and coworkers following his retirement reception. *photo courtesy of Public Relations*



## CD Review: Techno sound brings out even the worst dancers to the floor

BY REBECCA LEXA  
of the Missouri Miner

Techno is music best danced to, as while the repetitive beat can quickly wear down the ears, it can draw even the most ungraceful dancer out onto the floor. The electronic sounds of Mephisto Odyssey's summer release are definitely attractive to anyone inclined to bust a move, and the only down side is the fact that the songs weren't edited to flow together, leading to a few seconds of silence between each track.

Mephisto Odyssey is made of producers and songwriters Mikael Johnston and Orpheus Dejournette (who also plays guitar and does much of the mixing), Barrie Eves whose eclectic tasks include turntables, beats, samples and Rizla, and Josh Camacho, the ever-important DJ. Formed in the late 80s and early 90s, the group has brought forth this CD of nine "home-grown underground dance cuts straight out of our vault," as the guys say in the cover booklet. The story continues: "All of these tracks were produced in our home studio circa 1997-1998. We decided that releasing these tracks before our full-length album [The Deep red Connection]...was essential to closing an important chapter in the progression of our project...[they] truly represent the strength and diversity of our tastes in live/electronic music on a truly underground level."

There are three version of "Flow" on this compilation. The original version is first up, with an introduction slightly reminiscent of Rob Zombie's more techno-influenced works. It starts out rather quiet, but then grows into a variety of sounds mixed with electric-laced voices "Let it flow" and the popular (but slightly destructive) sounds of a record being scratched on a turntable—a common practice in techno and other genres despite the possible damage done to the vinyl. The song has a good variation on the sounds that accompany the persistent beat, and other than a few occasional pauses, it doesn't allow the dance to slack one bit.

Following the original version is the DJ Dan remix of "Flow." With a much peppier, less ethereal opening, it is apparent from the beginning that the primary artist of this version is unique. The basic patterns and sounds from the original version are nearly hidden under DJ Dan's additions, though are easier to pick out once the song gets going. Gone are the voices and turntable—this one is pure electronica. It is also longer, being 7:21 minutes to the original's 5:40. It does lack the variety that the original has, and is more apt to become annoyingly monotonous.

As if two versions weren't enough, a third incarnation of "Flow" appears as the last track. The radio edit is essentially a shortened version of the original cut. This is the best choice for

listeners who like the sound, but have a short attention span, as it only lasts 3:48 minutes.

Another set of duplicates are the two versions of "Funk 'N Paris." Track six is the Revolution mix of the score and takes its beat from a ticking clock, drawing in a sneaky, quiet guitar solo at the beginning. This is short-lived and is quickly replaced by electronic sounds (including more tortured records and something that sounds remotely like an electric razor). The percussion also becomes more elaborate and varied, and several of the sound sets manage to harmonize at points, giving a distinctive taste to the song. In fact, there is almost a touch of a disco feel to occasional sections of the harmony and some of the sounds chosen add to the effect.

The following track is the Tony and Onionz mix of "Funk 'N Paris." Instead of opening with a beat like a clock ticking, it instead starts with what sounds vaguely like someone knocking on a door with gloves on. Again, as is expected, many of the individual sounds vary greatly from the Revolution mix, with samples that sound like everything from a fantastic aircraft flying overhead to a yipping puppy. It's nowhere near as bad as it sounds, though it lacks the variety that the previous mix claims. It's almost a minute longer, which is a shame because if this mix were condensed it would be a better compilation.

The title track, "The Lift," has an opening beat somewhat akin to the sound of a hammer on wood. It sounds fairly 70s-like in its beginning and is probably one of the perkier songs on the EP. It also boasts a voice that sounds a bit like Aretha Franklin and backup. This is probably one of the most danceable songs, and as the singer claims, "The music lifts me up." In fact, of all the songs Mephisto Odyssey has given here, "The Lift" is the most likely to coerce reluctant feet into the spotlight. "Shake it, shake it, shake it" indeed!

The original mix of "Biggah" sounds vaguely tribal, but is still interspersed with very modern electronic samples. It is just about as convincing a dance song as "The Lift" is, and is a touch more fast-paced than some of the offerings. Unlike some other songs, it continues to build upon itself, rather than completely changing the sound in a few beats. In addition, it boasts some very eldritch techno-voices that add to the mystical feel of "Biggah."

Overall, this is a great CD to have for any party, club, or other place where people dance. It also would make a great workout background, as well as something good to keep you energized during tedious chores such as housework. Mephisto Odyssey has definitely put together a well-blended, highly varied set of mixes for the techno-dance world, one that may even convince the clumsiest dancer to take a chance with everyone else.



Mephisto Odyssey recently completed their new techno album in late May, 2000. They feature music in 70s, 80s, and 90s style.

photo courtesy of Warner Bros.

## Humor: "Big Brother" bridge bargains people's pedestrian privacy sinfully and slyfully

BY MARMADUKE GUMP  
of the Missouri Miner

Construction completed on the composite causeway, and the intrepid inventors of such intrusive items itching for information, the University of Missouri-Rolla's very own "Big Brother Bridge" boasts big business beef with the Orwellian overtones of an overprotective "other."

New Chancellor Williams named Chuck Washington "Nature Commissioner" with nominal charge when negotiating contractors who never constructed with neo-composites. While not cost-effectively worthwhile, new composites will not corrode with nature's calamitous ways, neither cause withering. Non-committing Washington now commends work negligibly ceasing:

"Dilated diodes and deep-set defractors detect deflection but don't disrupt or disturb the trees. Steel structures superimpose selected segments of streams by standing 'solute and solitary: steel stands out. However, clever composite constructions cleanly carry color and consistency to chameleon and conceal: composite can't be construed or confused conspicuous!"

Students see such situations sensorially sinful and sly: set up spy station, seek out slow, stupid or sizable students and then subdue such

slothful souls as selected. See? Several sororities have sought steadfast statements with stations, supporting signs saying "Stop the silence" or "Stand for serious standards for students and scholastic seclusion."

"Any bonehead can derive enough from guessing how intrusion juxtaposes kindred learning, mean nastiness. Orwell's police queued rebels straight to unending vexation. With xenophobes yelling, Zebra!" one said.

Posting web-wide windows into the walkway world wrecks havoc for husky hooligans having hoonicious humor and hot honies hurting for hunks. Have humans hurt our hamlet by having hoodwinking web-watchers weave their weapons of wrath into our way?

Officials offering other options organized an orifice open for ocular-free occupation off campus. Organizations own "opening the other offers will offend some, oblige others." Officers allowed offended objectors open walkway, while watching for wounding weapons Wednesday.

"We're wanting worthwhile work on the web. Just wait a while, and remember: we're watching your walking," Williams said.

The above article was written without proper adult supervision, and should not have been viewed by anyone with more intelligence than mayonnaise. Not one member of the University claims any association with its author.

The Student Financial Assistance Office is now taking signups for additional need-based financial aid for the fall semester to all students that qualify, until September 15. Students must have a Free Application for Federal Student Aid (FAFSA) to be considered for any additional need based funds that may be available. Those interested should come to the Student Financial Assistance Office, G-1 Parker Hall.

When Icewind Dale was released on May 27, 2000, it achieved a devoted following. The newest addition to the role-playing set, Forgotten Realms, the game is a worthy successor to the game of its ancestor. According to the game's website, "Icewind Dale is a new addition to the Icewind Dale trilogy of role-playing games by Robert Salvatore, an author of the Wizards of the Coast. You are a hero in Easthaven, one of the many realms of Icewind Dale. From there, you embark on an expedition to the World mountains."

For those knowledgeable about role-playing standards, the AD&D Second Edition Baldur's Gate did. You start by making a party of up to 6 characters, wake up in Easthaven. From there, your adventure into the Spine of the World mountains. This game focuses on epic battles, and less on quests. In the caves, temples, and dungeons of Icewind Dale, you'll face many extreme dangers. If you die, they will return mightier than with any luck, richer.

Game Play:  
Unlike Role Playing, Icewind Dale has a distinctive feel. Every time you defeat an enemy or dungeon boss, you gain experience. When you return to a town, you are greeted triumphantly, and you have to travel to the next town. This is not entirely new. When playing the game, you can play as a single character or in a multi-player game. The game is based on random

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BRAK  
DOMEST  
PRESENT  
PA  
504 E. 18T  
ROLLA



## Game of the Week: Icewind Dale is addictive and excellent entertainment

By **BRANDON BELVIN**  
of the Missouri Miner

When Icewind Dale was released on May 27, 2000, it immediately achieved a devoted following. This newest addition to the role-playing game set, Forgotten Realms, rivals the popularity of its ancestor, Baldur's Gate. According to the game's official website, "Icewind Dale is set in, well, Icewind Dale, the setting for the popular Icewind Dale trilogy of books, written by Robert Salvatore, and published by Wizards of the Coast. Your party starts in Easthaven, one of the Ten Towns of Icewind Dale. From there, the party embarks on an expedition into the Spine of the World mountains."

For those knowledgeable with role-playing standards, this game uses the AD&D Second Edition rules, just as Baldur's Gate did. You start the game by making a party of up to 6 characters and wake up in Easthaven. From there, you adventure out into places unknown through the Spine of the World mountains. This game focuses more on dungeon battles, and less on over-land quests. In the caves, temples, and cities of Icewind Dale, your party will face many extreme dangers. If they survive, they will return mightier and wiser and, with any luck, richer.

### Game Play:

Unlike Role Playing Games, Icewind Dale has a distinctly linear story line. Every time you defeat a difficult enemy or dungeon boss, the plot twists again. When you return to town, seemingly triumphant, another "plague" has arrived and you have to trek out again.

This is not entirely bad, though. When playing the game multiple times, or in a multi-player game, the interaction with non-player characters and in battles will be somewhat different. Since the game is based on random "luck," there is

no guarantee that you will come out of a specific battle in the same shape every time.

All in all, the game plays very well. The fact that it is a linear game slightly decreases the score, but don't let that fool you.

Score: 3.5 out of 5

### Graphics:

The graphics of this game are 100% amazing. Although the game is set in a 2-D environment, you don't really notice. What stands out most is the spell effects. Never have I seen such diverse animation effects play such an important role in the beauty of a game. Even if you don't like RPG's, you have to admit the graphics for this game are outstanding.

Score: 5 out of 5

### Sound:

The game sound is quite impressive. You can hear every grunt, groan, hit and miss in the game. For each landscape and dungeon, an appropriate set of ambient sounds play in the background. There are a few times where music plays in the background, but it is usually too intrusive. Without the music, the game functions the same - so it's easier just to turn it off. Great sounds, but the music does drag down the score a bit.

Score: 4 out of 5

### Overall:

This is the most addictive game I have played in a long time - and I'm not much of an RPG fan. What's most impressive about this game is the diversity of the action, and that it can lure a guy like me in to play. I recommend it for all!

Overall Score: 4.5 out of 5

Game	Website:
www.interplay.com/icewind/	
index.html	
System Requirements (Minimum):	
Pentium 233	32 MB RAM

## Commentary: The art of milking your Senior year for all it's worth with free vacations, food and lodging

By **CHAD COLE**  
of the Missouri Miner

Other than the word "Milk" in the title, this article is not about food. It is just one of those crazy pieces of writing that flows from your fingers when something strikes you as being worthy of writing about. Don't worry, next week I will be back to my favorite subject of food.

Are you graduating this year? Are you ready to take advantage of the time when you, as a professional individual, will probably be in more demand than ever before? The hottest commodity since white flour? Well, if so, then good for you. It took a lot of hard work getting here. I'm in the same boat, and it sure feels good. This is why you should make that satisfaction last throughout the year by making as many companies as possible fawn over you. Use this time on the red carpet to your advantage and enjoy every single job offer and perk that is thrown your way. Most of this article stemmed from what I heard somebody say about job offers and plant trips.

This afternoon, I heard a professor say that it is immoral to take a plant trip with a company after you have already signed with another one. Sure, I thought at first, it did seem like a waste of the company's time and money. I guess this would be like cheating on a recent engagement with a stranger.

Then I thought about it longer and realized this: you would be doing yourself a great disservice by passing up a chance to take a two or three day free vacation to wherever this plant trip or on-site interview might be. It is perfectly alright to use a company for a free meal and place to stay. Get what you can from these big companies and don't feel guilty about it. If big business doesn't play fair, why should you be forced to?

There are countless ways in which big business is unfair in its hiring methods. Companies have the power to toy with job applicants by inviting them to a second interview on-site and then changing their minds by sending those same applicants a FOAD (fudge off and die) in the mail. Many interviewers have a string of ten or more interviews in a day and may find their "perfect" match after meeting just the second applicant. Are the last applicants even given a consideration for the job at all? How much of an interviewer's opinion is based on an applicant's physical appearance? What about nepotism? Is any of this fair or moral? No. If the job market weren't so great, how many companies would be giving you an offer?

None of these companies are interested in helping you out. That is your job to do, so make use of stray job offers to leverage with the companies that you really like. If you get an on-site interview with Cisco Systems out in San Jose, Calif. and you have absolutely no desire to work for them,

but you want a free trip to some fun in the sun, then MORE POWER TO YOU!!! Your senior year should be a constant series of vacations with the COC acting as your personal travel agent!

Why should the employer companies have the right to mess with our emotions, while we have no defense? Is it immoral to use a company for a free vacation? No. Say it costs a company 500 bucks to send one of us across the country to take a tour of their corporate headquarters. Do you realize what a paltry, measly sum of dough this amounts to for this big company? The egregiously out-of-whack stock options that most of this said company's executives receive annually could send each and every student at this school on a pleasure cruise around the world. Don't feel guilty about getting a free ride to Seattle or California or New York for a plant trip. Besides, maybe it will turn out that this plant trip portrayed a company that you would much rather work for than the one which you had already signed with.

These companies are not looking to give you a shoulder to cry on, a free meal, or a place to live. Your mother did that. It may sound dirty, but you are being used by this company as a tool to make more money. A lot of the nobility that was associated with the engineering field is no more. It is more centered around big bucks. The

see Senior trips, page 14

## Short of change for Parking meters?

Never seem to have the right amount of change for the parking meters? Here's a solution! Parking Lot Operations has a new item for the parking meters that allows you to go "change free."

It's called a meter card and it works like a debit card. You purchase the meter cards from the Parking Lot Operations office and you can use them in any of the digital meters on campus. The meter cards will give you a credit of 25 cents with each insertion, giving you a maximum of four hours on most meters.

The meter cards currently come in two amounts, \$10 or \$20. There is a refundable deposit of \$15 for each meter card. All fees will be charged to your student account. You will get the deposit and any remaining time refunded to your student account when the meter card is returned. If you run out of money on your meter card, just bring it back to the Parking Lot Operations office to purchase more time (the additional deposit fee will be waived).

If you are interested in the meter cards or have any other questions about parking, please contact Parking Lot Operations at parking@umr.edu or call 341-4303.

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## Grease & Gears:

### Air conditioning information to keep cool

By JOSH MARTIN  
of the Missouri Miner

Whoever invented the pressure cooker must have been inspired by summers like those found in the Midwest. With the weather we've been getting lately, I'm starting to wonder why I bothered to bring a microwave to school. I'm sure a TV dinner would cook very nicely on the sidewalk. Seeing the heat index top a 105 degrees is not at all unusual in Missouri, and an air conditioner is often the only thing that keeps your car from turning into a great big oven on wheels. Unfortunately, it's not a matter of if, but when those wonderful saviors of summer will fail. The air conditioning unit is simply not one of the more reliable systems on a car.

If the unit has only stopped pumping out cool air, then it's likely that you will only need to have the system recharged. However, an a.c. recharge is not as simple and inexpensive as it used to be. If you drive a very new car that uses the more modern and environmentally friendly coolant, you're mostly in the clear.

The new coolant is relatively cheap. But anyone driving a car that is even a few years old is prob-

ably not so lucky. The cost of old-fashioned ozone-eating coolant is high and getting higher. The last price I heard from a mechanic was around two hundred dollars per charge. But as much as the idea of paying hundreds of dollars to recharge an air conditioner can turn stomachs, it is nowhere near as sickening as the sound of your air conditioner's compressor grinding to a halt.

A compressor failure will make itself known to you immediately with a grinding sound which is accompanied by the loss of cold air from the vents. While a broken compressor will not effect the way the car drives, if the compressor's pulley jams, it could have disastrous effects on your car. To see how this could happen, open the hood of your car and look at the belt that provides power to the air conditioning unit.

On a great many cars, that same belt provides power to almost every other accessory in the engine compartment. That means that if the pulley that runs the a.c. jams, it could throw the belt off and cause a loss of power to the alternator, water pump, and other important devices.

Depending on the design of the belt drive system, it could also

mean the loss of power brakes and power steering, making the car more difficult to control. If you are moving when the compressor breaks down, it is a good idea to get the car off the road as quickly as possible to take a look at it. If the compressor pulley still spins you can drive the car as it is indefinitely, but it is a good idea to disconnect the air conditioner's wiring harness from the rest of the electrical system.

If you are unlucky enough to experience a complete failure of the air conditioner, there are a few options to consider. If you don't mind the heat, you could always avoid the repair bill and just do without cool air. But if you've got the money, there are two ways to go about fixing it.

You could have the system rebuilt to factory specifications using an original-equipment compressor, but then you have to worry about the potential for expensive recharges down the road. Having the entire air conditioner converted to use the new coolant may be cheaper in the long run but will cost about a thousand dollars to do. None of the options are exactly appealing. It's almost enough to make migrating north for the summer seem reasonable.

## Senior trips

From page 13

race for a cancer cure is now more about which BioTech company's stock portfolio will benefit from the discovery than about which poor souls will benefit from a cure for the disease.

Any company that comes to this campus and recruits Rolla graduates has some serious money to burn. If they can afford to pay these outrageous starting salaries for freshly minted engineers and scientists, they must be crooked. They have plenty of money to send you on a nice little two-day vacation. When a possible employer treats you to a meal,

order the most expensive item. If you have a desire to go to Seattle and visit the new Experience Music Project, see if Microsoft will give you a free trip there. Oh, yeah, you might have to tour their facilities while you're out there.

I usually consider myself pretty moral. I would never try to screw over a mom-and-pop small business. That would be wrong. Big business doesn't work that way. It is every man (woman) for themselves. Remember, as a Rolla graduate, it is your RIGHT and PRIVILEGE to screw with big business in any way that suits you. Happy interviewing and try not to upset anyone you really want to work for!

## Dr. Park

From page 11

Park will be close by to lend a hand when needed, and to keep an eye on how UMR students and graduates are doing. He is excited to see what things are in store for UMR. In parting, he would like to leave everyone with these words:

"We have faith in your potential. When you get out of school, you will look back on your experience here and not only see that it was a tremendous preparation for a successful career, but you will also see that you made some fantastic friends and had a really good time. I have great hopes for you. I wish you all the very, very best."

## Financial Help

From page 11

vide their own information.

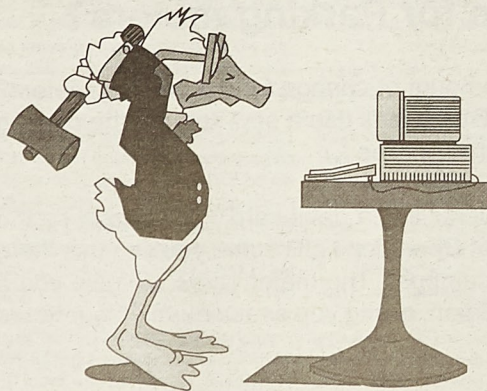
To be considered independent by the federal government, a student must meet at least one of the following requirements: be at least age 24, be married, have children, be a veteran of the armed services and/or be a graduate student.

Whether dependent or independent, every student should take

the time to fill out the FAFSA. Since this is the Information Age, the FAFSA is available online. The earliest a student can submit a completed FAFSA for the next academic year is Jan. 1, 2001, but now is a good time to get online and register. To make e-filing faster, a PIN number is given to registered online FAFSA filers so no signature is required.

To find out more about FAFSA online and its benefits, go to [www.fafsa.ed.gov](http://www.fafsa.ed.gov). To find out about financial need and eligibility for assistance, go to the UMR Student Financial Assistance Office's web page and use the Financial Need Estimator ([www.UMR.edu/enrol/afford.html](http://www.UMR.edu/enrol/afford.html)).

## Do you need Computing help?



There is a  
new way to  
get help.

Just point your browser to  
<http://help.UMR.edu>. From there  
you can enter a request to alert  
the helpdesk.

You may also

- CALL us at 341-HELP[4357]

OR

- Stop by room 101 in the  
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## Student Life

# Campus Ministry travels to Honduras to help rebuild the community of Santa Catarina

BY CONWAY B. BRISCOE III  
of the Wesley House

United Ministries in Higher Education (UMHE) at the Wesley House, University of Missouri - Rolla, traveled to Honduras for Spring Break 2000.

Organized through Church World Service and the Christian Commission for Development, this trip took nine students and their campus minister to the far southeast section of Honduras; eight miles from the nearest paved road, beyond both electricity and running water.

Working in the community of Santa Catarina, on the Nicaraguan border, we helped to build concrete block homes. Our work consisted of digging and leveling foundations, tying re-bar and laying blocks.

This community suffered devastating damage during Hurricane Mitch in 1998. Many of their homes were washed away by the great wall of water flowing south. Most of the community

retreated to the tallest hill and survived for three days on little or nothing, until they could safely come down the hill again. Now, a new housing area is being built on the side of the hill, above the original site of Santa Catarina.

Our group was able to share with the people of Santa Catarina in many ways. We worked side-by-side with community members. We learned some Spanish, and they, in turn, learned some English. A spirited game of soccer was played one afternoon. Residents invited group members into their homes to share their daily lives. During a community meeting early in our visit, residents asked that the group not forget them. Santa Catarina tends to be a forgotten area. For at least six months of the year, no one comes or goes. The rainy season makes travel impossible.

We covenanted with the people of Santa Catarina not to forget them. None of us ever will. The trip was a life changing experience for each of us. The people of Honduras will be in our hearts and prayers forever.



Dawn Willis and Adam Jones help community members lay blocks.

photo courtesy of Wesley House

## Habitat for Humanity raises the roof

BY IAN BAIRD

of Habitat for Humanity

Habitat for Humanity is proud to announce the Miner Building Project, University of Missouri - Rolla's first campus-wide service activity. The Miner Project plans to construct a house for a family in need on a lot donated to the UMR organization by the Phelps County Chapter of Habitat for Humanity. Christian Campus Fellowship, the UMR Interfraternity, Panhellenic Councils and individual students have generously

donated time and effort to aid Habitat's fundraising and house-building endeavors.

To see the project through to completion, Habitat must first raise \$40,000 to pay for materials and some skilled labor. The first major fundraising effort of the semester, Jail n' Bail, is taking place today, Sept. 7. Students have voted for their favorite professors by donating money to the Habitat collection containers at the puck during the week leading up to the event. Eight of the highest earning professors will be "arrested" and taken to "jail" on the puck, where stu-

dents will have the opportunity to immerse their professors in dunking booths.

Other fundraisers that Habitat plans to hold this semester include various sports tournaments, button sales and car washes. Community service projects and other awareness-raising activities are also in the works.

If you want to know more about the Miner Building Project or about how to get involved, please contact the UMR Habitat for Humanity Chapter at hfh@umr.edu.

## SUBconscious:

### SUB Prepares for another activity-filled semester

BY KATE CARTER

of the Student Union Board

The Student Union Board is fired up for another great year! We have super events coming up soon.

Campus Showcase is the organization fair sponsored by SUB that will be at the puck today from 10:30 to 2:30. This is a great time for students to learn about the different ways to get involved on campus. Be sure to come by the SUB table for a free gift bag and T-shirt. The barbecue will be served by the University of Missouri - Rolla football team - thanks a lot guys! The free food is courtesy of SUB and Student Council together.

The film "My Best Friend's Wedding" will be shown in ME 104 this Friday and Saturday night at 8 p.m. Check out [www.umr.edu/~sub](http://www.umr.edu/~sub) for

the full film list.

The Special Events committee is working hard to plan Homecoming 2000. The theme is "The Greatest Show on Earth." So start getting excited for the fun! If anyone is interested in joining the planning committee or the King and Queen Competition committee, e-mail [sub@umr.edu](mailto:sub@umr.edu) and boom you're in!

Another great opportunity has opened up in SUB. We are currently searching for a Director of the Light and Sound Committee. This committee provides light and sound to all SUB events, DJ's for other campus activities, they have a lot of cool toys (oh I mean equipment) to rent to campus organizations and committee members get paid for their work. So go to [www.umr.edu/~sub](http://www.umr.edu/~sub) and apply for this position or to check out more details on other fun stuff SUB is doing!

## Winter Film Series

presents

tor Argo, Tricia Vessey, Cliff Gorman and directed by Jim Jarmusch.

Part satire, part comic book, this new film is set in a future that's one beat beyond the present and takes place in a generic cityscape called the Industrialized State. Forest Whitaker stars a shulking, dangerous, yet curiously gentle samurai known as Ghost Dog. He foils the austere precepts of the samurai code, but is also partial to gangsta rap and high-tech weaponry. Jarmusch keeps the camera moving slowly, attending to details and the rap soundtrack by RZA (of Wu-Tang Clan fame) gives the whole undertaking a fugue-like quality. R-2000.

The movie will be shown in Leach Theatre of Castleman Hall at 7 p.m.

Movies still to come for the remainder of the semester include:

- September 19 - AMERICAN BEAUTY
- September 26 - TOPSY TURVEY
- October 3 - THE THIRD MAN
- October 10 - KINGS WITH STRAW MATS
- October 17 - CROUPIER
- October 24 - THE END OF THE AFFAIR
- October 31 - TANGO
- November 7 - BEAU TRAVAIL
- November 14 - TIME CODE
- November 18 (8 p.m. Saturday) - MAGNOLIA
- November 28 - THE NAVIGATOR
- December 5 - MIDWINTER'S TALE

All films are screened at 7 p.m. on Tuesday's in Leach Theatre, Castleman Hall, unless noted otherwise.

## Wanted

Computer Technician — PC, Networking and HTML experience preferred. Paid position. Apply immediately to [miner@umr.edu](mailto:miner@umr.edu).

Recent surveys show

# 52%

of drinking college students drink primarily to get drunk.

Alcohol abuse has led to, or increased, unintended pregnancies, the spread of sexually transmitted diseases such as AIDS, suicide attempts and academic problems.

If you drink, the Missouri Miner asks that you PLEASE

## Drink Responsibly



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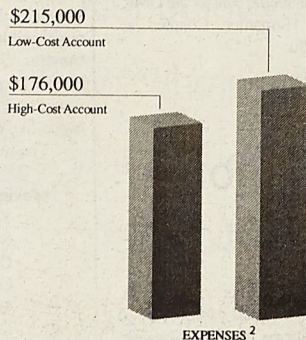
The equation is easy. Lower expenses in managing a fund can equal better performance.

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There is a simple way you can:



avoid fines,  
stay out of jail,  
prevent senseless  
death and injury

When you go out to drink, the Missouri Miner asks that you bring a designated driver.



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topping pizzas plus  
an 8-piece order of  
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# Comics/Diversions

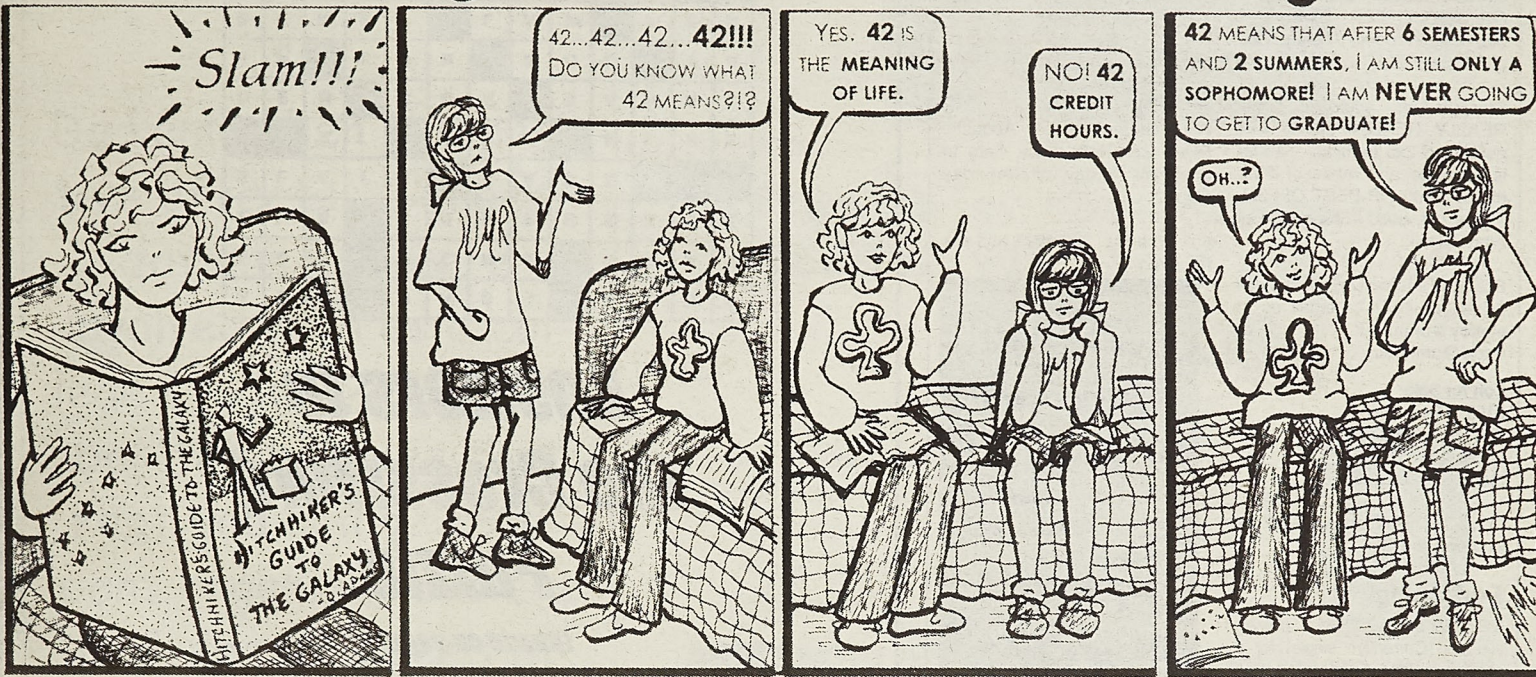
September 7, 2000

The Missouri Miner

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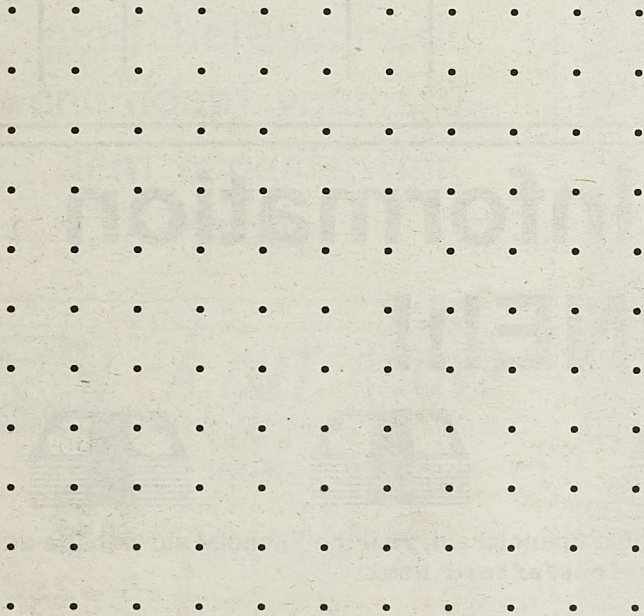
## MINER ADJUSTMENTS

By C. James

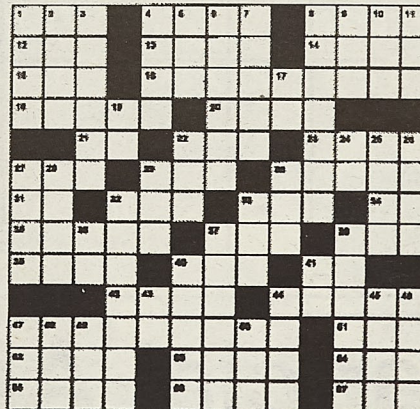


## The Dot Game

Instructions: Players take turns connecting two dots (horizontally or vertically only). If a person completes a box, he puts his initials in it. The player with the most boxes with his initials in it when all the boxes are completed, wins.



## Crossword Puzzle



- 22 Weapon
- 24 Not out
- 25 Central part of church
- 26 Dash
- 27 Owe money
- 28 Fencing sword
- 29 Bed
- 30 Ribbon
- 31 Lawmaker
- 32 Articulate
- 35 Railroad (abbr.)
- 37 Object for climbing
- 38 Tear; badly worn
- 40 Thick
- 41 Sing., present of be
- 43 Am.
- 44 Crafts
- 45 Gaelic language
- 46 Whitekeys
- 47 England's electronic media (abbr.)
- 48 Appendage
- 49 Free of something
- 50 Hearing organ

### ACROSS

- 1 Sun
- 4 Talk back
- 8 Old India copper coin
- 12 Hawaiian garland
- 13 Medicinal plant
- 14 College official
- 15 Elevated railroads
- 18 Exercising moderation
- 18 Make happy
- 20 Bld. (p.l.)
- 21 S. New England state (abbr.)
- 22 Jelly
- 23 Number
- 27 Democrat (abbr.)
- 28 Dog
- 30 Trile
- 31 Extended play (abbr.)
- 32 Father's boy
- 33 Sun
- 34 Southern state (abbr.)
- 35 Cloth cap
- 37 Rule
- 38 Number
- 39 Sea bird
- 40 Hours of light

### DOWN

- 1 Lizard's skin
- 2 Sacchided, wooded valley
- 3 Take away gun
- 4 Glut
- 5 Beer
- 6 Sod
- 7 Calyx of flower
- 8 Gland near the kidneys
- 9 Teacher's group (abbr.)
- 10 Native (abbr.)
- 11 Saturated hydrocarbon (suffix)
- 17 Edward's nickname
- 19 Scale note

**Answers  
on  
page 18...**



# CLASSIFIED ADS

## For Sale

Tracia's Loft: appx. 5.5 ft. tall, with a computer desk / shelf attached underneath. 2x4 construction. Ladder attached. \$70 OR BEST OFFER. :o) 2 years old, used in rooms 310 and 304 of Altman Hall.

Stacey's Loft: appx. 6.5 ft tall, REALLY REALLY sturdy 4x4 posts and 2x6 framing. Ladder is separate and made of PVC pipes. \$100 OR BEST OFFER. 1 year old, used in room 305 of Altman Hall.

For more information, please call us at 368-4527 or email us at [stacey@umr.edu](mailto:stacey@umr.edu) or [tracia@umr.edu](mailto:tracia@umr.edu).

**Loft for Sale**  
\$100 or Best Offer  
4X4 Legs, 2X4 Supports  
Cedar  
Instructional Diagram

Contact Kristen at 308-3427 or [kld@umr.edu](mailto:kld@umr.edu).

## Personals

DC Miner seeks AC Girl (Attractive and Currently single) for a short-term, long-distance, electrifying relationship!!

[dcminer@zipmail.com](mailto:dcminer@zipmail.com)

## For Rent

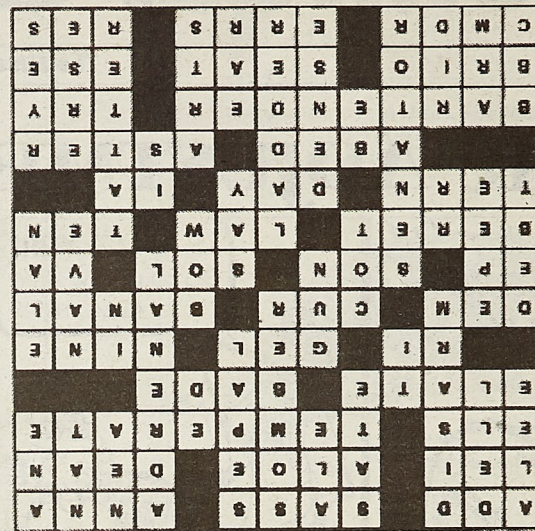
Newly renovated two bedroom, one bath, cent air, washer/dryer located on premises, no pets. \$350/month 308-4687

## Talent

Play Guitar? Sing? Acoustic Sets? Call Rolla Rock Cafe to book for Friday or Saturday nights.

607 Pine St. 308-1771 and ask for Joe.

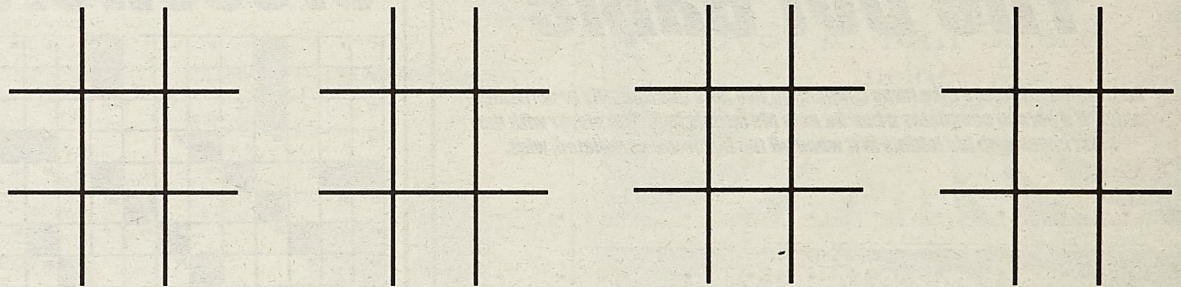
Call (573) 341-4235 for rates. Students may submit a free classified ad with their student number at [miner@umr.edu](mailto:miner@umr.edu). Student classifieds will be run until end of semester or removal is requested.



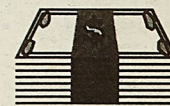
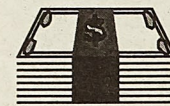
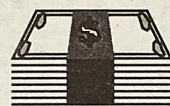
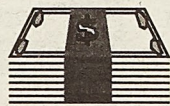
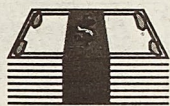
# Answers to the Crossword Puzzle

(puzzle on page 17)

**TIC  
TAC  
TOE**



# Financial Aid Information is ONLINE!!!



For the latest information on scholarships and other available financial aid, visit the financial aid website at:  
<http://www.umr.edu/admissions/afford.html>



# Advisors Needed

Do remember the positive effects of organizations you were involved with as a college student? Remember the hobbies that kept you going? Student organizations are in desperate need of faculty/staff advisors. Support a student organization.

E-mail Paul Mitchell at [pmitchel@umr.edu](mailto:pmitchel@umr.edu) and adopt your student organization today!



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after this, the corporate ladder will be a piece of **[cake]**.

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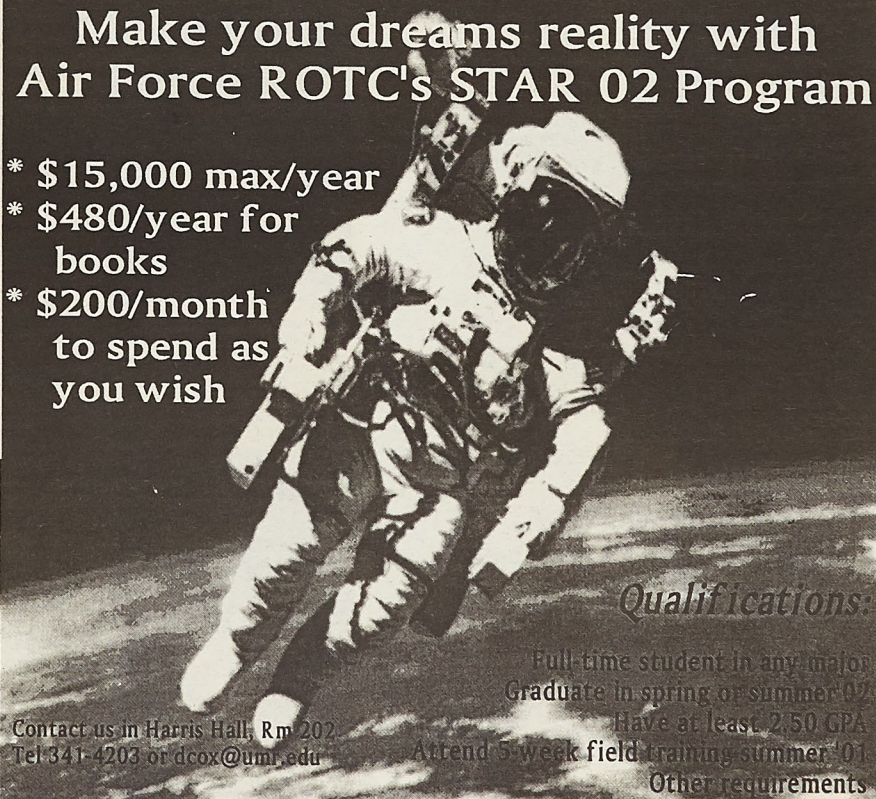


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- Attend 5-week field training summer '01
- Other requirements

Contact us in Harris Hall, Rm 202  
Tel 341-4203 or [dcox@umr.edu](mailto:dcox@umr.edu)



# Calendar of Events

provided by the Student Activity Center, 218 UCW

Please send all changes to the aforementioned office.

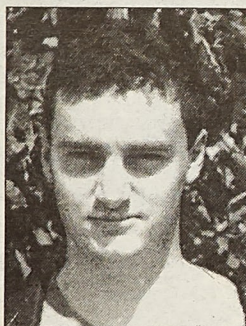
Today	Friday	Saturday	Sunday	Monday	Tuesday	Wednesday
7	8	9	10	11	12	13
<p>10:00 a.m. - Campus Showcase, Puck &amp; Quad</p> <p>10:00 a.m. - Solar Car Team car showing, Puck</p> <p>4:00 p.m. - Colloquium: "Sculpting the Oil-Water Interface to Probe Ion Solvation," 104 Phys</p> <p>6:00 p.m. - Toastmasters meeting, 109 CSF</p> <p>7:45 p.m. - St. Pats committee meetings, 107C ME Annex</p> <p>8:00 p.m. - Christian Campus Fellowship meeting and worship, G31 EE</p>	<p>3:00 p.m. - Trap and Skeet Club weekly meeting, Gallery West, UCE</p> <p>7:00 p.m. - Show Me Anime weekly anime showing, 204 McN</p> <p>7:00 p.m. - Lutheran Student Ctr. International Student Reception, Centennial Hall</p> <p>8:00 p.m. - SUB Film: "My Best Friends Wedding" 104 ME</p> <p>8:00 p.m. - Visitors Night at the UMR Observatory</p> <p>All Day - CC v. Central Missouri State University, Warrensburg, Mo.</p>	<p>9:00 a.m. - SUB Triathlon, Multi-Purpose Bldg.</p> <p>12:30 p.m. - Show Me Anime anime showing, 204 McN</p> <p>7:00 p.m. - FB v. Missouri Valley College, Marshall, Mo.</p> <p>8:00 p.m. - SUB Film: "My Best Friends Wedding", 104 ME</p>	<p>9:00 a.m. - SUB Homecoming Queen &amp; King interviews, Centennial Hall</p> <p>12:00 p.m. - WS v. Indiana University - Purdue, Fort Wayne, Ind.</p> <p>2:00 p.m. - MS v. Indiana University - Purdue, Fort Wayne, Ind.</p> <p>4:00 p.m. - Alpha Phi Alpha meetings, UCE</p>	<p>11:30 a.m. - University Orators Chapter of Toastmasters International, Southwestern Bell Cultural Center</p> <p>5:30 p.m. - Academic Competition twice weekly meetings, 206 McN</p> <p>6:00 p.m. - UMR Independents business meetings, Walnut Room, UCW</p> <p>7:00 p.m. - Association for Black Students, 204 McN</p> <p>All Day - Water Environment Federation info. table, Puck</p>	<p>5:15 p.m. - Interfraternity Council meeting, 216 McN</p> <p>6:00 p.m. - Student Council meeting, 204 McN</p> <p>7:00 p.m. - UMR Bridge Club Meeting, Holloway House</p> <p>7:00 p.m. - Film Festival: "Ghost Dog--The Way of the Samurai", Leach Theater</p> <p>7:00 p.m. - Tau Beta Pi meeting, G3 Che</p> <p>7:00 p.m. - Solar Car Team design meeting, 107 EMAN</p> <p>9:00 p.m. - SUB Homecoming Steering Committee meetings, 212 McN</p> <p>All Day - Water Environment Federation info. table, Puck</p>	<p>12:00 p.m. - Booster Club Meeting, Pizza Inn</p> <p>5:30 p.m. - Academic Competition twice weekly meetings, 206 McN</p> <p>5:30 p.m. - Alpha Phi Omega meetings, 212 McN</p> <p>6:30 p.m. - American Nuclear Society, 227 Fulton</p> <p>6:00 p.m. - Chess Club weekly tourney, UCE Cafeteria</p> <p>6:00 p.m. - MSM Speulunkers weekly meeting, 204 McN</p> <p>7:00 p.m. - Amateur Radio Club meeting, G29, G30 ECE</p> <p>7:00 p.m. - AIChE professional, G3 Che</p> <p>7:00 p.m. - American Indian and Eng Society meetings, 212 ERL</p> <p>All Day - Water Environment Federation info. table, Puck</p>

**SPORT CODES: FB-Football, MS-Men's Soccer, WS-Women's Soccer, MB-Men's Basketball, WB-Women's Basketball, SW-Swimming, CC - Cross Country, BB-Baseball.**

## Miner Question of the Week

by: Brandon Belvin

What is your favorite class so far this semester?



**John Hortenstine**  
Junior  
Computer Science

"Operating Systems. They're actually teaching me some stuff that I've been wanting to know."



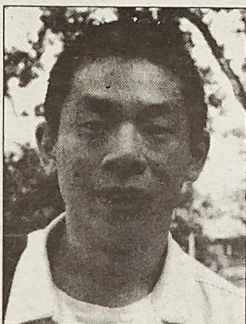
**Sarah Bruening**  
Junior  
Geological Engineering

"Elementary Fluid Dynamics. It seems fairly applicable to my major and not too tough yet."



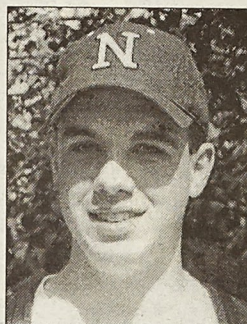
**Joe Young**  
Junior  
Chemical Engineering

"Thermodynamics. Because it's hard and I'm actually learning something in there."



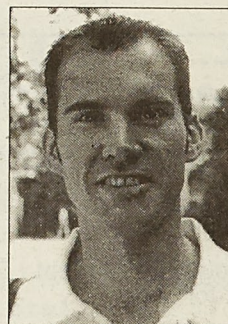
**Parris Ng**  
Senior  
Mechanical Engineering

"Controls. Because I hate all the other ones."



**Reed Risinger**  
Senior  
Computer Engineering

"Digital Computer Design. It's the most interesting. It deals with how computers actually work."



**Douglas Krutil**  
2nd Year Graduate  
Chemistry

"Actually, I'm not taking any classes. I'm enjoying my research, but I'm not enjoying how it's going."