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The Missouri Miner, October 06, 1999

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Men's cross country takes second

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Homecoming success for students

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Missouri Miner

University of Missouri-Rolla

Volume XXCIX, Number 6

October 6, 1999

Homecoming 1999



Homecoming King, Joe Schmidberger and Queen Ginger Appleberry receiving applause photo by Kristen DeFillipo

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Professor studies Titanic steel

Dr. H. P. Leighly looks into the possibility of brittle steel contributing to Titanic disaster

Riteshkumar Jain

News Writer

The Titanic, one of the greatest tragedies of the 20th century, is also cause for much speculation -- what actually caused the Unsinkable to sink? Dr. H. P. Leighly, professor emeritus of metallurgical engineering at University of Missouri-Rolla, thinks steel may be the answer.

Dr. Leighly worked with students to investigate the nature of the steel used on the Titanic. Their conclusion, published in the January 1998 issue of Journal of Metals, is that the metal used to build the Titanic was much more brittle than modern steel. Its inferior quality may have been a principle reason for its destruction.

Robert Ballard discovered the exact location of the ship in 1985, which had lain deep below the ocean for 73 years. Since then efforts were made to salvage the wreck for its historical or archaeological significance.

H.P. Leighly got interested in the Titanic mystery after watching a documentary on the shipwreck a few years ago. Survivors spoke about hearing a cracking sound, making Dr. Leighly wonder about the quality of steel in the ship.

"I was interested because there was a lot of speculation about how the 'unsinkable' ship sank."

He contacted the concerned officials of RMS Titanic, Inc., the owners of the ship, and received permission for metallurgical analysis of the steel. In August 1986 steel from the hull of the ship was brought back from the ocean.

After the steel was received at the UMR, the first step was to determine its composition. The team studied some 200 pounds of steel from the wreckage. The first item noted was the very low nitrogen content. This indicated that the steel was not made by the Bessemer

process. In the early 20th century, the only other method for making structural steel was the open-hearth process. The fairly high oxygen and low silicon content meant that the steel has only been partially deoxidized, yielding a semikilled steel. The phosphorus content was slightly higher than normal, while the sulfur content was quite high, accompanied by low manganese content. This yielded a Mn:S ratio of 6.8:1 -- a very low ratio by modern standards.

The presence of relatively high amounts of phosphorous, oxygen, and sulfur has a tendency to embrittle the steel at low temperatures. The sea water temperature was -2 degrees Celsius at the time of collision. Above observations were made by Dr. Leighly and his co-authors, UMR student Katherine Felkins and materials test engineer A. Jankovic in their paper published in Journal of Metals in January 1998. Thus the steel used to build the Titanic was not as impact-resistant as modern steel.

The September 1999 article of Iron and Steel-maker has published further analysis made by Dr. Leighly, B. L. Bramfitt and S. J. Lawrence, Bethlehem Steel Corporation. The tests conducted to determine notch toughness, or impact resistance at a certain temperature, show that the absorbed energy value of RMS Titanic plate was 4 joules at -2 degrees Celsius, while a modern plate would have an absorbed energy of 325 Joules at the same temperature. The low level of toughness was attributed to the slag particles in the steel along with the high volume of manganese/iron sulfide particles. This was a major factor for the fracture of hull plate below the waterline of the ship.

"There is a great difference between then and now," he said. "There were not reliable methods about brittleness then."

"Titanic steel at that temperature was slightly better than glass," said Dr. Leighly.

The Harland and Wolff, the shipbuilders from Ireland, were under contract with White Star Line to build RMS Titanic on a cost-plus-fixed-fee basis. So it is felt that the steel used in Titanic was the best available at the time.

Inferior steel was not the only reason the luxury ocean liner Titanic sank in the early morning hours of April 15, 1912. Other factors also contributed to the disaster.

"It is sad that they didn't have enough lifeboats on ship," Dr. Leighly said.

More than 1,500 of the liner's 2,227 passengers died. "It was a bad design," he added. It was a single hull and a continuous gash in the hull about 300 feet in length was created by the impact with the iceberg. Recent computer calculations by Hackett and Bedford, on allocating the damage individually to the first six compartments that were breached, show a total damage area of 1.171 m2.

This was sufficient to cause the ship to sink in two hours and 40 minutes. "Had the compartments, which were dam-

"We're Science" has gone global

Chip Kastner

News Writer

We're Science is a weekly radio show that was created by Dr. Daniel Armstrong, a professor at the University of Missouri-Rolla, and Harvey Richards, a former science teacher who is now the principal of Steelville High School. The show is designed to answer listener questions on topics in science and technology.

Armstrong and Richards created the radio show in 1993 on the local radio station KUMR. Since 1995, We're Science has been broadcasted nationally.

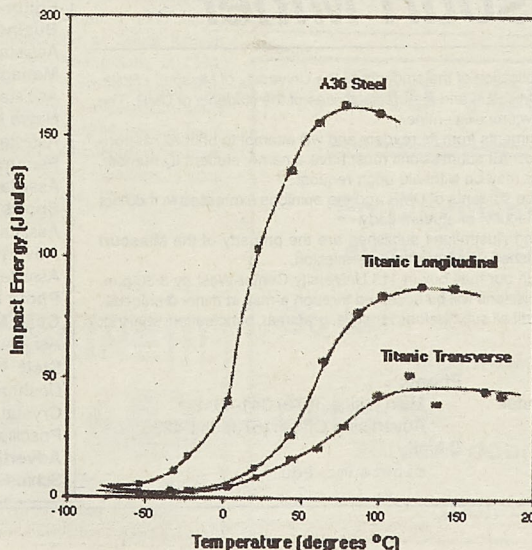
Today, the show is played on over 150 radio stations in 43 states across the United States, and on radio stations in Ontario, Canada and the Virgin Islands. It is also played on the Armed Forces Radio and Television Network, a worldwide system designed to provide American media to members of the armed forces who are stationed overseas.

Armstrong is currently a professor of

Chemistry and Research at UMR who received degrees from Washington and Lee University and Texas A&M. In addition to teaching, he is the head of Analytical Chemistry, an investigator in Materials Research, and a Curator's Distinguished Professor of Chemistry. He has written 200 articles in professional journals, holds four patents, has published 14 chapters in books, and has spoken in lectures and seminars across the world.

Richards, a graduate of Michigan Technological University, has been the principal of Steelville High School for three years. He is a former teacher of high school Physical Science and Biology, and is a former coach of several sports at St. Clair High School.

We're Science airs on KUMR, 88.5 FM in Rolla on Wednesday afternoons at 3:30 and on Saturdays at noon. It is possible to contact the show to suggest a topic for discussion by calling 1-800-327-6440.



http://www.tms.org/pubs/journals/JOM/9801/Felkins-9801

NEWSBRIEFS ON CAMPUS

Etiquette Dinner set for October 21

Once again, seniors and graduate students who would like to brush up on dining and social manners in the professional world are invited to be guests at the COC's Etiquette Dinner on Thursday, October 21, at 5:30 p.m. in Centennial Hall-UCCE.

The special evening features a five course meal and is held each semester to help prepare students for interviewing trips and for life "after college." There is no cost for the event which is co-sponsored by the Career Opportunities Center, Office of the Vice-Chancellor for Student Affairs and Marriott.

Reservations are necessary and may be made either on-line on the COC webpage at umr.edu/~career or by signing up at the COC on the third floor of Norwood Hall by October 15. The dress is business professional.

The evening format includes a brief mixer followed by a sit-down dinner with UMR faculty and staff as table hosts. Proper etiquette commentary is provided throughout the meal followed by a question and answer period.

"Our goal is to give our students every advantage we can for them to succeed in their job search and beyond," Chris Sowers, COC Career Advisor said.

"The Etiquette Dinner takes students a step beyond their normal college diet of tacos and pizza so they will feel at ease in their professional future when presented with more than one fork and one glass at a business lunch or banquet.

"We make this an enjoyable, fun and educational evening that interested students will find worth dressing up for on a Thursday evening."

"Pirates of Penzance" to be held Oct. 15-16

Opera A La Carte, a nationally renowned Gilbert and Sullivan touring repertory company, will present "The Pirates of Penzance" at 8 p.m. on Friday and Saturday, Oct. 15-16, in Leach Theatre of Castleman Hall on the University of Missouri-Rolla campus. The production is part of the 1999-2000 UMR Campus Performing Arts Series.

Tickets are available from the UMR Ticket Office in University Center-West. Admission is \$25. For more information, call (573) 341-4219.

The charmingly ridiculous plot of "The Pirates of Penzance" is filled with a rollicking band of pirates, a bevy of giggling maidens and their "very model of a modern major-general" father, along with a dashing pirate apprentice, a fading nursemaid and a bunch of blundering policemen.

The Los Angeles Times said Opera A La Carte's production was "bright and fresh." The Pasadena Herald Tribune said, "The young cast gave a brilliant performance . . . 'Pirates' is a top-notch production in every aspect imaginable."

The UMR Campus Performing Arts Series includes four more performances in 1999-2000: "It's a Wonderful Life," Nov. 19; Footworks, Jan. 28, 2000; The Amadeus Trio, March 10, 2000; Preservation Hall Jazz Band, April 7, 2000.

University Players to perform "The Diviners"

Rehearsals are now in progress for the University Players production of "The Diviners," by Jim Leonard Jr. Winner of the American College Theatre Festival (1980), this touching play is the story of a disturbed young

man and his friendship with a disenfranchised preacher in a southern Indiana town in the early 1930's.

After nearly drowning as a boy, the young man develops the mystical power to predict the weather and find water using a divining rod, but he has become deathly afraid of water and refuses to wash.

The preacher befriends the boy and attempts to help him overcome his fear of water. This is a story of loneliness, faith and human community in a small Indiana town during the Depression-era.

Performances are scheduled for Nov. 11-14, 1999 at Castleman Hall. Tickets are available at the University Center Box Office located in the University Center West. Box office hours are Monday through Friday from 8 a.m. - 4:30 p.m. Tickets are \$6 for general admission and \$4 for students and those 18 and under.

Ingram receives Tang achievement award

Laurie Ingram, a senior from Cape Girardeau, Mo., who is majoring in management systems at the University of Missouri-Rolla, has been awarded the Cindy Tang Achievement Award. This \$1,000 scholarship award is given each semester to a female student at UMR who has an exceptional academic record and high potential for making contributions to management systems or other computer-related fields.

In the fall of 1998 Ingram transferred to UMR from Southeast Missouri State University, where she was enrolled in the pre-engineering program. She is attracted to technical fields, and aspires to a management career in the long term.

"After I graduate, I'd love to be living in Kansas City or St. Louis, working for a family-friendly company," Ingram, who is getting married in

November 2000 and plans to graduate in December 2000, said.

Ingram is currently interviewing for summer internships that will further develop her programming expertise.

"When I first came to UMR, I didn't know anything about computers," she says. "I am happy with my progress, but I still have a lot to learn. Spending a summer programming could really help me."

Ingram regards the people in the management systems department at UMR as family. "We're small," she says. "It's so personal."

Cindy Tang, a graduate of UMR's economics department, established the Tang Achievement Award to help promising female students who are pursuing computer-related degrees. The award is funded annually by Tang, who is CEO and President of Insight Industries, a software development firm located in Platteville, Wis. Tang also serves on the UMR Board of Trustees.

Chemical Engineering lab renovations done

Chemical engineering students at the University of Missouri-Rolla now have state-of-the-art equipment in one of their most important laboratories, thanks to a \$67,000 renovation completed this summer.

The department's Industrial Instrumentation Laboratory, which is home to a senior-level course all chemical engineering majors must complete, has been renovated with new computers and instrumentation that allow students to spend more time analyzing data rather than worrying about the reliability of old equipment, says Dr. Dennis D. Sourlas, assistant professor of chemical engineering and the instructor for the Industrial Instrumentation Laboratory course (Chemical Engineering 262).

"Before the renovation project,

some of the equipment we were using was 10 years old, and some was more than 20 years old," Sourlas said.

The course, which is a requirement for all UMR chemical engineering students, emphasizes hands-on experimentation to prepare students for their careers in chemical engineering. "This update makes it possible to maintain the realistic and real-world characteristics of our laboratory and at the same time take advantage of new developments in the areas of information technology and instructional technology," Sourlas said.

The lab course requires students to run experiments pertaining to wastewater treatment, power generation, heat exchange and other real-world applications. "Our students are involved in performing hands-on experiments, which prepare them for the challenges of the chemical engineering profession," Sourlas adds.

Specific renovations in the laboratory include: New hardware for temperature-sensor experiments, new computers, and the replacement of three experimental workstations with process-control computerized instruments that include instructional software. Students can use the computer tutorials to learn how to run the instruments.

The chemical engineering department opened the laboratory to the public during UMR's Homecoming Weekend. The lab's open house was scheduled for 2-4 p.m. Friday, Oct. 1. The lab is located in Room G-35 of Schrenk Hall, which is located on 11th Street, east of the Chancellor's Residence and across from Castleman Hall.

For those interested in learning more about the lab renovations, Sourlas has created a World Wide Web site. It can be found at www.UMR.edu/~dsourlas/courses/262/tour.html.



The Missouri Miner

The Missouri Miner is the official 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 upon request.

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. 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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NO GUN R face torn apart Jung Koo-Ha tri ate thirst. He c scooped up som the wall of the where he and of village had been "As I was dri it coming out of the still-disfigu monger recalled I managed to throat."

It is a child's first days of the 1950, one he has ly half a century up the road from life, passes by three times a week, he never it hurt. "All the life, the incident all came back," good feeling."

For more th few dozen fami fields and grape this poor South have lived with tied up. Their dent, in which women and ch down by U.S. tr or fell on deaf Yang Hae-C vivor, said he local police stati he raised the to 1970s.

All that chan news reports, in with several U.S. confirmed the vi the atrocity pe forces. For the and South Korea President Clinton tigation into wh only the My La Vietnam in the killed by U.S. co century. South K Dae-Jung's gover own inquiry.

The flurry o some of their s said. "I feel thin because the pain little," said Chun sat cross-legged wolfed down a br rice and soup aft



Survivors Recall Massacre by U.S. Troops (Korea)

by Ken Moritsugu

LA Times/Washington Post

NO GUN RI, South Korea—His face torn apart by gunfire, 7-year-old Jung Koo-Ha tried to relieve a desperate thirst. He cupped his hands and scooped up some water running along the wall of the railroad underpass where he and others from his farming village had been trapped.

"As I was drinking the water, I felt it coming out of my nose and cheeks," the still-disfigured 57-year-old fishmonger recalled Sunday. "Somehow, I managed to get a little down my throat."

It is a childhood memory from the first days of the Korean War in July, 1950, one he has kept inside for nearly half a century. Jung, who has lived up the road from No Gun Ri all his life, passes by the underpass two or three times a week. But until last week, he never stopped. When he did, it hurt. "All the memories of refugee life, the incident where I was shot, it all came back," he said. "It wasn't a good feeling."

For more than four decades, the few dozen families who till the rice fields and grape vineyards that cover this poor South Korean countryside have lived with their tragic tale bottled up. Their accounts of the incident, in which they say 400 men, women and children were gunned down by U.S. troops, were suppressed or fell on deaf ears.

Yang Hae-Chan, a 59-year-old survivor, said he was hauled into the local police station for warnings when he raised the topic in the 1960s and 1970s.

All that changed last week when news reports, including interviews with several U.S. veterans, partially confirmed the villagers' accounts of the atrocity perpetrated by U.S. forces. For the first time, American and South Korean leaders responded. President Clinton backed a full investigation into what could rank behind only the My Lai massacre in South Vietnam in the number of civilians killed by U.S. combat troops in this century. South Korean President Kim Dae-Jung's government launched its own inquiry.

The flurry of reaction has eased some of their suffering, survivors said. "I feel things are different now, because the pain is being released a little," said Chung Koo-Ho, 62, as he sat cross-legged on the floor and wolfed down a breakfast of kimchee, rice and soup after a morning in the

nearby hills digging up wild mushrooms for export to Japan.

Later, at the site, he and three other survivors said they hope the new focus on the issue will eventually lead to monetary compensation and, perhaps most importantly, an official acknowledgment that the incident occurred.

"Now that both presidents have an interest in the matter, I would like to see a monument to the dead built here," Jung said. An occasional passenger train rumbled over the underpass he could never erase from his memory. "A lot of weird things can happen during war, but this was too intentional."

The village of No Gun Ri, 120 miles southeast of Seoul, is a short hike from the underpass. Always small and poor, since the war it has declined further, losing about 10 of its 50 households as South Korea's economic miracle passed it by. Sunday, the village was quiet except for a half-dozen men slashing their way through a late-season rice field, laying their harvest out to dry in the bright sun. Yang Kyung-Sub, a 65-year-old retiree, whiled the day away in the shade, a straw hat at his side.

"I'm angry," he said, puffing on a cigarette. He and the other residents of No Gun Ri had already fled when the shooting occurred. When they returned, they found the area littered with corpses. "How come they didn't verify whether they were North or South Koreans and just massacred them?"

The victims came from two small villages about four miles away, Chu Gok Ri, where Chung and Jung live, and Im Ke Ri, Yang's hometown. As the survivors tell it, U.S. troops ordered them to evacuate their homes in advance of a North Korean offensive. The refugees walked the dirt road most of the way to No Gun Ri, before soldiers ordered them up on the railroad tracks. There, without warning, U.S. jets strafed them, killing about 100, the survivors say. According to declassified U.S. military documents, Air Force pilots and Army troops sometimes attacked such groups, out of fear that North Korean soldiers were hiding among the refugees.

For the villagers at No Gun Ri, the real nightmare had yet to come. They were ordered into the railroad underpass. At nightfall, the shooting began and continued sporadically over 2 days, according to the survivors. Jung's sister, Jung Myong-Ja, was 10

Pikes rebuild



Members and alumni of Pi Kappa Alpha Fraternity, better known as the Pikes, aid faculty in the groundbreaking on their new home. The Pikes have been living at Holtmann Hall in the Quadrangle Residence Halls since the burning of their house last year on October 2.

photo by Brian Partridge

at the time. She woke up one morning and found her mother dead and her infant brother lying underneath, still breathing and trying to nurse. Then, she saw her brother Koo-Ha's face. "He didn't have a nose," she said. The ordeal ended when American troops retreated from the area.

Some survivors attempted to raise the issue about 20 years ago, but they did not have the courage to launch an official movement until years of military-led rule ended in 1993. "We felt powerless," said Suh Jung-Koo, 76, a retired local government worker from Chu Gok Ri who lost his parents and grandparents in the shooting.

Since then, the survivors have formed the Petitioners of the No Gun Ri Incident, as they call themselves. They wrote to Clinton in 1997 and to Kim's predecessor as South Korean president, Kim Young-Sam, in 1994. Officially, they want an acknowledgment, an apology, compensation and a monument. For Jung Myong-Ja, the request is much simpler to understand, much more difficult to realize. "I want nothing," she said, "except for the pain to be healed."

Titanic

from page 1

aged, been watertight, the ship would have sunk in a much longer time," he informed. For Britannic, which was being constructed when Titanic sank, the design was changed to provide a double hull and the bulkheads were extended to the upper deck. "Titanic could have lasted till 30s had it not sunk," he added.

Dr. Leighly also points out the crew's negligence in this disaster. The ship had received advice by radio nearly 60 hours before the fatal collision of ice in the steamship

lanes. As the voyage continued, the warnings of ice received by radio from other ships became more frequent. But the crew couldn't get the ship out of way of icebergs. "Lack of navigation tools can be the reason for this," said Dr. Leighly. "Ships close to Titanic did not realize what was happening because of lack of technology."

Dr. Leighly is content with his work and does not plan to do further research on this topic. "Since the bow of ship is buried in 19 meters of mud under the ocean floor we never can assess the damage," he said. "Our research at least gives some indication of why the ship failed."

Did you know?

Employment information is available on the Internet!!!

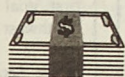
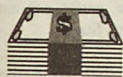
Go to:

<http://www.umar.edu/~career>

Click on the student door,

then on "Lists".

Financial Aid Information is ONLINE!!!



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

Opinions

Page 4

The Missouri Miner

October 6, 1999

Letter to the Editor: Revive school spirit at UMR

To all UMR students and faculty:

I am an avid football fan, and I love the way the game makes me feel. I love it when the team is pumped up and ready to do their best to win. I love the sounds of the fans screaming and jumping around. Football is a sport that takes dedication, time, intensity, and love of the game. Winning is not everything, but is sure makes us all feel a lot better. The players set goals at the beginning of each season, and winning is almost always at the top of the list, but the players don't just want to win for themselves. What is winning if you have no fans to share it with? Players want to win for those few, loyal, dedicated fans who are there when they are up and when they are down.

This is my third year at UMR, and since I have been here, we have not had a winning football season. There are still a few of us who go to cheer on our friends. We have to remember that these players are our friends; our fellow students; these coaches are our faculty.

As I was sitting in the stands at the game today, I saw the young men on the team yelling, screaming, and supporting each other as the offense and defense traded places on the field. Then, I turned around and saw very few people standing and cheering with the team, and it dawned on me

that there are a lot of people who do not even understand football or even have half of the heart that these players have, and they are putting them down. We need to be supportive, think positively, and never get down on the team, because when they see the fans drop their heads, or leave early, they tend to get down on themselves. We need numbers at the games, but more than that, we need people who can be loyal, people who will yell and scream and love their players no matter how they play. When the crowd gets loud and rowdy, the players hear that, and get even more pumped to win.

Keep in mind that we have a new coach, and it is going to take more than three games to turn the team around, but in case you have not noticed, there has been an extreme improvement in the team and it is only going to get better. So, come on out, support the team and be there when they win. Cheer the team on, and for you other athletes, when your team is down, the entire team will be there for you also.

While the team is working so hard to get our love and our support, let us work hard to put together a support system for them, let's help the team win. Let's get that school spirit flowing, and have some fun. - Stacy Sanders

The Peanut Gallery

Jonathon Yardley

LA Times/Washington Post

What is truly reprehensible about the new exhibition at the Brooklyn Museum of Art is not the work that has caused such a stir but the shabby connivances of the museum's directors. Hiding behind the First Amendment and Art, they are engaged in a cynical campaign to draw attention press notices such as the one you are reading now and thus visitors and money to the museum.

There are, as both sides to the dispute between New York Mayor Rudolph Giuliani and the museum are quick to point out, important issues at stake here. On one side is constitutionally protected freedom of expression, on the other is the taxpaying public's right to have some control over how its money is spent, in this case substantial amounts that are contributed to the Brooklyn Museum by New York City. This is not a frivolous matter, and as past court cases have made plain, it is not susceptible to easy resolution. In the words of David A. Strauss, a specialist in constitutional law at the University of Chicago, as quoted last week in the New York Times: "This is a black hole of First Amendment law. No one really knows how to think about it, including the Supreme Court justices. On one hand, government officials can't have carte blanche in deciding what

to fund and what not to fund. But on the other hand, it is clear the government is entitled to make some decisions on what it will fund and what it won't fund."

What is absolutely clear is that officials of the Brooklyn Museum have acted irresponsibly and opportunistically, provoking controversy in order to boost the exhibition (called "Sensation," itself calculatedly provocative) from the private collection of Charles Saatchi, the British artman, and abusing the privilege of public funding. The person chiefly accountable for this is Arnold Lehman, director of the museum, whose career I followed with considerable bemusement over a quarter-century in which our respective residences in two cities (Miami and Baltimore) almost exactly overlapped.

Among people who know more than I about art there is disagreement about Lehman's curatorial abilities and his seriousness of artistic purpose. There seems no disagreement that he is a skilled political operator, a provocateur, an adroit masseur of the egos and wallets of the socially ambitious rich, and a dogged pusher of the artistic envelope. At the Metropolitan Museum of Art in Miami, he was a highly visible and occasionally controversial director; in the same role at the Baltimore Museum of Art, he presided over nearly two decades of relentless trendiness, the nadir being an exhibition of the jejune work of two stupendously narcissistic Brits, Gilbert and George.

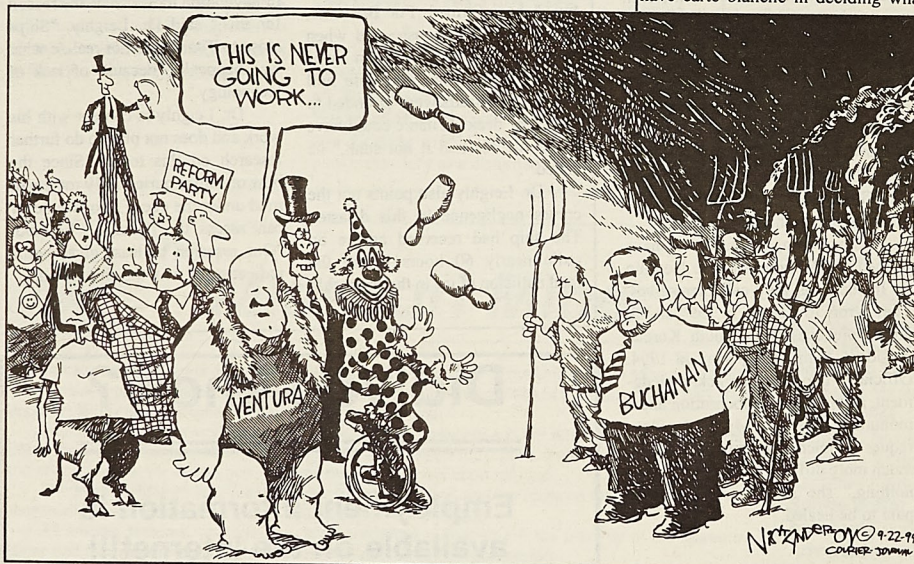
It is assumed that Lehman was hired by the Brooklyn Museum to shake things up and attract attention in Manhattan, which tends to disbelieve that Brooklyn exists. The museum has a permanent collection of considerable distinction, but art by dead white males won't pull anybody across the Brooklyn Bridge these days. What Brooklyn needed was to shove that envelope right up against the wall, to feature art dealing in wit-it stuff: contemporary and pop culture, identity politics, feminism, cul-

tural diversity and racism, mortality, memory, class and social criticism."

That's just what it got in "Sensation" for those words are lifted from the description of the exhibition on the museum's Web site. To get to it, you have to pass through a page that features a bright yellow rectangle on which is printed, in bold black, "HEALTH WARNING," and, below it: "The contents of this exhibition may cause shock, vomiting, confusion, panic, euphoria and anxiety. If you suffer from high blood pressure, a nervous disorder or palpitations, you should consult your doctor before viewing this exhibition"

Those, as Elizabeth Kolbert put it in the New Yorker, are "archly exaggerated warnings of (the exhibition's) potentially hazardous effects"; as Michael Kimmelman wrote in the Times, "If the museum's own advertisement describes the work as nauseating, is it a surprise that people should assume, sight unseen, that it is?" This was just what Giuliani did, responding not just to the museum's come-ons but also to various religious and political factions that took offense. As a direct result the museum got more ink and air time for work it ballyhooed as "objectionable" to "some visitors" than it ever could have had it presented, say, the landscapes of George Inness or the sculptures of Henry Moore.

This may be clever art-museum management Lehman told the Times, with obvious delight, "Our phones are ringing off the hook, and everyone is saying, 'We'll be there, we'll be there,' but it is a betrayal of the public trust. Yes, the museum has a right to present such work as it cares to, but it has a weighty responsibility, the handmaiden of public funding, to exercise that right with sobriety and care. The religious and moral sensibilities of ordinary people are not frivolous; they deserve, and should command, the respect and consideration of those who slop at the public trough.



The Missouri Miner is very interested in the opinions of its readers. Please e-mail comments, suggestions, and opinions on any issue to miner@umr.edu.

WANTED

Cartoonists, photographers, and writers who are interested in joining the staff of the Missouri Miner. Meetings are 4:30pm on Thursday. If interested, please contact us at miner@umr.edu.

Corrections

In the September 15th issue, Miz-zou defeated University of Alabama-Birmingham 31-28.

In the women's soccer article featured in the September 29th issue, Jessica Schultz scored the first goal of the game against Southwest Missouri State.

In the September 29th issue, the UMR Techs article was written by Cory Lock.

October 6, 1999

Men

Tera McCall
Sports Writer

The University of Rolla played host to the Missouri Miner Invitational this past Saturday. The competition was fierce, with the top-ranked Missouri State and Truman State competing on the side were Lincoln Principia.

The meet was the Lady Miners' other teams.

"Saturday coach Sarah Pr perfect day for the Lady Miners."

of the six teams injured that had Miners all year.

Kim Hoffman this weekend p a 24:06 in the 600m.

"Kim ran a great race," said. "She progressed over the weekend."

She was Leonard-25:58, 28:28, Tera M Sheri Lentz-29:40 given a boost home meet weekend.

"It's always alumni out there. They keep it going."

"They keep it going."

Women

Tera McCall
Sports Writer

The University of Rolla women's restful week as the two weeks of the Lady Miners' no of 6-3 and undance after sound Southern State O

Sports

October 6, 1999

The Missouri Miner

Page 5

Men's, women's cross country successful at Miner Invite

Tera McCallum
Sports Writer

The University of Missouri-Rolla played host to the 20th annual Miner Invitational cross country meet this past Saturday. Teams coming to compete Saturday included nationally ranked Missouri Southern along with Truman State team. Other teams competing on the men's and women's side were Lincoln, Arkansas State and Principia.

The meet began at 9:30 a.m. with the Lady Miners running against five other teams.

"Saturday was a gorgeous day," coach Sarah Preston said. "It was a perfect day for running."

The Lady Miners finished 5th out of the six teams, partially due to the injuries that have plagued the Lady Miners all year.

Kim Hoffman was the top runner this weekend placing 8th and running a 24:06 in the 6K race.

"Kim ran very well today," Preston said. "She has made a lot of progress over the season."

She was followed by: Deb Leonard-25:58, Jennie Garrison-28:28, Tera McCallum-28:28, and Sheri Lentz-29:59. The team was given a boost Saturday, having the home meet during homecoming weekend.

"It's always fun to have the alumni out there," McCallum said. "They keep it interesting. The swim-

mers were also out there wearing nothing but boxers and parkas," McCallum said. "This gave a little extra motivation for the team."

On the men's side, this weekend, the Miners finished second behind a nationally ranked Missouri Southern team. For the team Kevin McGuire finished first on the team and seventh over all with a time of 27:40 in the 8K race. He was followed by: Dale Elliot-27:54, Walter Krumb-27:55, Kevin Johnson-28:28, John Sanders-28:31, Kevin Pollack-29:02, and Jeremy Theys-29:45.

"The men really had a good pack, but we're not quite where we want to be in future meets," Preston said.

The men are fairing well this season, even though the conference consists of three nationally ranked teams. The entertainment for the meet came as the former Miner and Lady Miner runners formed teams and ran along side the other teams in competition.

"When the alumni run, there is usually a lot of short-cutting and hand-slapping going on," McCallum said. "But they do encourage us and help us along the way."

Next weekend the team will be traveling to Washington University where they will have a look at many of the top teams around the nation including many conference teams.

"The Wash U meet is a very large meet where we will be able to have a look at everyone," Preston said. "It's



A Miner passes a Missouri Southern runner to catch up to his teammate. The men finished second out of six teams, and the women ended up placing fifth out of six teams. The Miner Invitational was the only home meet for the Miners this year.

photo by Dozzle

a good meet to have before conference."

After Wash U, the Miners will have a week off before running in the conference meet. The Mid-America Intercollegiate Athletic Association recently announced that the MIAA cross-country championship meet would be moved to Rolla, which surprised the team.

This year's championship was scheduled to be hosted by Southwest Baptist, but SBU decided not to host the meet this year. UMR was scheduled to host the 2000 MIAA meet, but were bumped up when SBU canceled. The meet, which was normally held on Saturday, was then moved to Sunday because a golf tournament was already scheduled for Oct. 23 at the

UMR course. This will be the first conference cross-country meet hosted by UMR since 1988.

The recent Miner Invitational helped give the runners a feel for what will take place in the conference race.

"We were able to get a good look at the course for the conference meet," McCallum said. "It will give us a slight advantage going into the race."

Women's soccer looks for conference championship

Tera McCallum
Sports Writer

The University of Missouri-Rolla women's soccer team had a restful week as they prepare to go into two weeks of multi game weeks. The Lady Miners now stand with a record of 6-3 and undefeated in the conference after soundly defeating Missouri Southern State College this weekend.

Missouri Southern, hosting its first women's soccer team proved to be little challenge for the Lady Miners, who returned the majority of their starters this year. UMR knew that if they could make a statement early, the game would most likely go in their favor.

The Lady Miners got that statement earlier than they had hoped when Denise McMillan took an assist

from team assist leader Lizz Szkrybalo only four minutes into the first half. Alison Hanson would then break free to put in an unassisted goal just 10 minutes later that would put the score at 2-0 in favor of the Lady Miners.

"We came out knowing that in order to win, we had to go out strong within the first 15 minutes of the game. Right after the first and second goals, we knew we had the game won," freshman starter Kacey Morris said.

The team proved to be right. Only two minutes after Hanson's goal Szkrybalo, off an assist from Sara Rudy would sneak one past Missouri Southern's goalkeeper to put the score at 3-0 going in to halftime.

The Lady Miners proved that they could go strong for the entire 90 minutes, as they did not let up in the second half at all. McMillan passed off to Szkrybalo 10 minutes into the second half to give the Lady Miners a 4-0 advantage, but the game was still far from over.

Szkrybalo came back just 4 minutes after her second goal of the game to pass an assist to Morris to give Morris her second goal of the season

and Szkrybalo her 9th assist.

The final goal of the game came from the Lady Miner who had started the scoring run at the start of the game. McMillan, off a pass from Julie Beachner, knocked in the final goal of the game at the 64:12 mark. At the end of the game McMillan and Szkrybalo would stand tied at 8 goals a piece for the season.

The Lady Miners completely dominated the Lions in every aspect of the game Saturday. The Lions were held to just 3 shots on goal while the Lady Miners racked up 12 for the game. Freshman Jamie Crump recorded the shutout in goal, her first shutout of the seasons, and UMR's third overall.

The Lady Miners have dominated all of their conference opponents they have met so far this year, beating Southwest Baptist 11-0 and then the 6-0 shutout of Missouri Southern this week. The Ladies will be competing against some of the stronger conference teams in coming weeks. Their next two conference games will be at home, against Northwest Missouri State this Sunday, and then Truman State on October 22, who is also undefeated in the conference. Their

last conference game will be against Central Missouri State University who stands at 3-0 in the conference at this time.

"We are entering the final third of the season this weekend. There are three more conference teams that we still need to play. If we win those, we will be conference champions," Morris said. "Because this is the final third of the season, we cannot let down at all. We need to come out strong and hard at the beginning of every game, and we cannot let up when the final minutes of the game are wearing down. With this in mind, I think we have as much potential to beat any team that we challenge in the future. We are a very strong team when we don't let down."

At this time the women are looking to their next game which will be at home against University of Missouri-St. Louis. "The UMSL game this week is a really big game for us," said starter Connie Meyers. "We played very poorly against them last year and ended up losing to a team that we should have beaten. You could say

see Women, page 7

Miner Match-up



Football

UMR (0-5)

vs.

Washburn (3-2)

Saturday, Oct. 9
Topeka, Kansas.
Game time 2 p.m.



Men's soccer clobbers Lincoln, Mo Baptist up next

Sean Zuckerman
Sports Editor

With only seven games left in the regular season, the University of Missouri-Rolla men's soccer team is positioning itself for a bid in the national tournament.

The team's 5-5 record is not indicative of its performance. Eight

of the men's 18 games are against nationally ranked teams including thirteenth ranked Midwestern State to whom they lost 4-0 on Sept. 19. The team's schedule does not decrease in difficulty. Four of the Miner's last seven games are at home including match-ups against Quincy, Northeastern State, and Mid-America Intercollegiate Ath-

letic Association rival Truman State University.

After battling the University of Missouri-St. Louis yesterday and Lincoln University on Sept. 29, the men receive a week off before resuming their efforts to gain a slot in the NCAA Division national tournament. Their quest resumes on Wednesday, Oct. 13 against Mis-

souri Baptist at St. Louis.

The Miners head into their week of rest sporting two victories, which brought their record back up to the .500 mark. The men first faced the Blue Tigers from Lincoln University on Sept. 29.

The men headed into the game sporting a 3-5 record, but walked away with another mark chalked into the win column. Five different Miners scored goals in the 7-0 spanking of the Blue Tigers. Nathan Wojtkiewicz started off the scoring bananza. His two quick goals within the first ten minutes of play set the tone for the rest of the game.

After Wojtkiewicz's two goals, the Miners remained scoreless for over 30 minutes. John Almeida broke the scoreless streak netting his first goal of the season in the process. That goal put the Miners on top 3-0 going into halftime.

Another 31 minutes would score again. One goal was not enough, however. Within a span of five minutes, UMR's lead doubled thanks to three goals. Greg Naslund scored the first and third goals bringing his total on the season to four goals. Naslund's two goals sandwiched Chris Leonard's goal. Chris's brother, Jeff, recorded the assists on all three goals. Not to be out done, Jeff put one of his own into the net after nearly 89 minutes of play to bring the Miner's final score to 7-0.

Despite scoring in bunches, UMR dominated the play of the game. The Miners outshot Lincoln 22 to four. Goalkeeper Todd Wilfling was not tested as the defense quelled the Blue Tiger's offense. assist increased his lead in the

points total to ten. Also increasing their point totals were John McQuery and B.J. Stuhlsatz who each recorded an assist on the day.

The 7-0 win over Lincoln boosted the men's confidence as they headed into an MIAA showdown with Missouri Southern State College. Missouri Southern boasted a 6-2 record heading into the game compared to the Miner's 4-5 record.

The Lions proved to be more of a match than Lincoln University. The Miners were held to nine shots during the game. The game remained scoreless for over 55 minutes until Hass Jassim put a Greg Maslin pass by the Missouri Southern goalie to put UMR up 1-0. Wojtkiewicz made his presence felt once again scoring his eighth goal on the season.

The Miner defense restrained the Missouri Southern offense effectively limiting them to five shots on goal. Of those five shots, only three found their mark. Wilfling was able to block two of the Lions' shots, but one managed to elude his grasp and crossed the goal line to account for their only goal of the game.

The men also played the University of Missouri-St. Louis on Tuesday, but results were not available at press time.

The next game for the Miners takes place Wednesday, Oct. 13 against Missouri Baptist in St. Louis, Mo. at 7 p.m. That game will be followed with a two game road trip to Kansas to play Charleston and Northern Kentucky. UMR finishes up its season with four games at home starting Oct. 19 against Northeastern State. Game athletic fields.

Hockey starts season with hopes of repeating last year's success

Steve Elliot

UMR Hockey team

UMR Miner Hockey has started again and is in full swing. With some new faces and the addition of a Division II team, Miner hockey is in for an exciting year. With tournaments in Lawrence, Kan., Des Moines, Iowa, and St. Louis, Mo. this semester and in St. Louis, Mo. next semester along with the regional tournament and national tournament, the team is hoping for a good year.

UMR is coming off last year with a 9th place finish at the College Roller Hockey League National Tournament and a record of 18-3-1 in regional play. The Miners lost to Colorado State in bracket play of the national tournament to finish the 1998-99 season. Michigan State University were the National Champions last year with a victory over University of California-Santa Barbara in the final game.

The Miners are members of the Collegiate Roller Hockey League

(CRHL) which is made up of seven regions and about 170 college teams. UMR is in the Great Plains region, which includes 12 teams from Missouri, Kansas, and Iowa.

The Miners opened up their 1999-2000 season during Homecoming Weekend in Wentzville, Mo. The Miners finished the weekend with victories over University of Kansas, University of Missouri-Columbia, Southeast Missouri State University and a loss to St. Charles Community College.

"The team is strong with many good players. We (the Miners) will be hard to beat," team alternate captain Jon Press said. "The great play of Ryan Rosheim, Peter Hong, and Nick Rudonovich has set a standard that the rest of the Miners need to follow," Jon Press said. The Miners' next games are at KU on the weekend of October 16th.

The Team would like to express their gratitude to our coach, Dr. Neil Anderson, for his hard work and dedication.

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Sports Commentary:**McGuire and Sosa battle comes down to the last series of the season, again****Navrag Singh****Sports Columnist**

McGuire and Sosa are at it again. The home run race, for the second time passes through an exhilarating phase. The match against St. Louis Cardinals and Chicago Cubs had little significance apart from the fact that McGuire and Sosa are vying for the home run record. The whole match was centered around these two guys. This time round though the two giants are slightly behind the last year's numbers, where McGuire going into his last three games had 65 homers but, nonetheless its an incredible achievement. Sosa was the first person to hit 60 homers in consecutive seasons beating Roger Maris' record, is trailing now by 2.

This probably is the only race where both the contestants are winners as they've already crossed the

landmarks whosoever now wins the race is of slight importance. They've both created histories simultaneously.

The expectations of the fans, the dismal performances of their teams: Cardinals are 11 games below .500, and Cubs had only three more victories than Sosa has homers entering Thursday night's game in Philadelphia; adds immense pressures on the two. They both now would like to get over with the season as soon as possible.

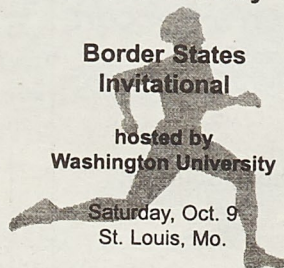
After Sunday's match McGuire has the 10th place on the career list with 522 against his name. He has hit six homers in the last seven games. Sosa also hit a homer on Sunday. Though Sosa started out a leader has now had a quite run stretch, which has given McGuire the first spot. The two strongly deny any kind of title competition between them.

The only other player to achieve

anything close to what these guys have achieved is Ken Griffey Jr. who had hit 48 and has done it for the past 3 consecutive years. Still 50 home run hits now appear much achievable after McGuire and Sosa have done it time and again, blasting the pitchers all over the place and out of the ground.

They both have entirely different styles of hitting the ball the stance, the back-lift, the drive, the approach and finally the execution everything is so technical and immaculate yet so different and far apart and even then they manage to be strikingly close to each other in statistics and in record books. Amazing isn't it.

It would be interesting to see where will this home run race end and where is it headed to not only in this year but also in the years to come. Will they be able to have a go at it again in the next season. Well just wait and watch!!!

Miner Match-up**Cross Country****Border States Invitational****hosted by Washington University****Saturday, Oct. 9
St. Louis, Mo.****Women****From page 5**

that we are looking for revenge and to redeem ourselves after a poor performance last season."

The Lady Miners are looking forward to the large crowds that they have seen at past home games. With very few home games in their schedule this year the team looks forward to every chance that they get to be on their home field. "We love to see all of the fans at our games," said Morris, "It will be a huge advantage over the opposing teams if we can have large crowds at our remaining home games."

The Northwest Missouri State game, a conference game, will be Sunday, October 10th beginning at 1:00 on the Miner Soccer Field.



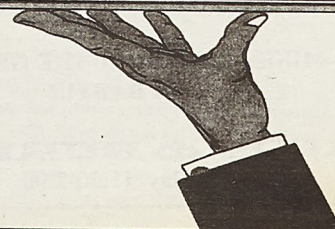
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Miner Sports Recap

Women's Soccer:

UMR

vs.

Missouri Southern

UMR 6

MSSC 0

Denise McMillan 2 goals
Lizz Szkrybalo 2 goals
Kacey Morris 1 goal
Alison Hanson 1 goal-unassisted

Shots on goal:
UMR 12
MSSC 3

Men's Soccer:

UMR

vs.

Lincoln

UMR 7

Lincoln 0

UMR 22 shots on goal

UMR

vs.

Missouri Southern

UMR 2
MSSC 1

Todd Wilfling 2 saves
UMR 9 shots on goal

Football:

UMR

vs.

Emporia

UMR 6

Emporia 48

UMR 0 0 6 0 - 6
Emporia 7 21 14 6 - 48

Offense:

Ken Okwuonu 118 yards
on 24 carries
Matt Brueckner 4-14, 31
yards passing

Defense:

Scott Murphy 1 sack
Dennis Gregory 1 sack

Cross Country

Miner Invitational

Men's:

2 of 16 teams

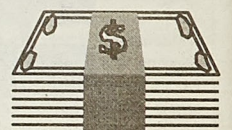
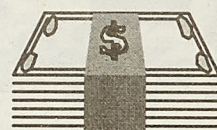
7. Kevin McGuire, 27:40
9. Dale Elliott, 27:54
10. Walter Kramb, 27:55
16. Kevin Johnson, 28:28
17. John Sanders, 28:31
20. Kevin Pollack, 29:02
25. Jeremy Theys, 29:45

Women's

5 of 6 teams

8. Kim Hoffman, 24:06
22. Deb Leonard, 25:58
35. Jennie Garrison, 28:28
36. Tera McCallum, 28:28
40. Sheri Lentz, 29:59

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Golf hosts home tourney, take to road for Minnesota and Truman

Nathan Turner
Sports Writer

The University of Missouri-Rolla golf team has two matches under their belt and is looking forward to a good season. They started the year at a 12-team tournament put on by UMR at the Piney Valley Golf Course in Fort Leonard Wood, MO.

The UMR program entered two teams in the tournament to see who were the top five golfers. The top team placed 9th while the second team placed 11th.

Mike Essenpreis scored the lowest for the top team with a 149. Other scores were as follows: Brad Neuville-152, Adam Hunt-161, and Kevin Adlard-163. For the second team, freshmen Nathan Tritsch and Dan Irsik scored the lowest with 157's. The other scores were as fol-

lows: Zach Nixon-161, Charles Smith-162, and Robert Castle-162.

Their most recent meet was played at Owatonna Country Club in Owatonna, Minn. It was the District V invitational which had 18 teams from around the country. UMR entered one team, which finished in 15th place.

The low scorer for the two-day tournament was freshman Dan Irsik who shot a 156. He was followed by: Mike Essenpreis-158, Mikael Magnuson-160, Adam Hunt-165, and Brad Neuville-170.

At the beginning of this week, the team will be playing in Kirksville, Mo. at the Truman State Invitational. This tournament will help decide how well UMR compares to other Mid-America Intercollegiate Athletic Association teams.

Football looks for win at Washburn after 48-6 Homecoming loss to Emporia

Sean Zuckerman
Sports Editor

The University of Missouri-Rolla football team heads into this week-end's game against Washburn looking for their first win on the season.

The Miners, now 0-3 in Mid-America Intercollegiate Athletic Association play and 0-5 overall, came off a loss to Emporia State last Saturday in the Homecoming game. The Miners have not won a game since the season finale of the 1997 season, nearly two years ago.

Like UMR, Washburn is coming off a loss in their last game against Central Missouri State by a score of 32-18. Their record stands at 3-2 overall, 1-2 in MIAA play.

Washburn has dominated the past several meetings between these two teams winning the past four years straight. Last year the Ichabods beat UMR by a score of 24-7. The last time the Miners beat Washburn was in 1994 when they shut them out by a score of 19-0. UMR has won three of the last five games at Moore Bowl.

Helping lead the Miner's charge will be offensive superweapon Ken Okwuonu. Okwuonu has accounted for five of the Miner's seven touchdowns on the season. He has rushed for 591 yards on 122 carries, and is only two yards behind the MIAA

leader from Pitt State.

"Washburn is much more in our competition level," head coach Kirby Cannon said. "They're a little less athletic than Emporia, but they've got one of the league's top receivers. That coverage will cause some problems," he said.

The Miners are coming off a drubbing in the Homecoming against Emporia State in which they lost 48-6. The Miner defense gave up 476 yards of total offense, 236 of which was to Joe Jacobs, the Emporia State quarterback.

"Their quarterback had a hot day. He nine of eleven and did a real good job of finding and hitting the open men," Cannon said.

UMR, on the other hand, could only muster 181 yards of total offense, 118 of which was produced by Okwuonu. Quarterback Matt Brueckner threw for 31 yards on the day including a 13 yard pass to Nate Huckaby and an 11 yard bomb to Neil Birchler.

Jason Elrod led the defensive drive racking up five unassisted tackles as did Kenan Morrison. Nate Hoenshell and Michael Drennan also record five tackles of their own.

The Miners play Washburn University Saturday at 2 p.m. The men return home on Oct. 23 when they play Southwest Baptist at 1 p.m.

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To pick up an application or for more information, please stop by the ASUM office at 212 UCW or call 341-4970. Application deadline is October 8, 1999.

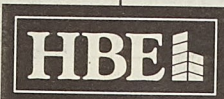
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11330 Olive Boulevard
St. Louis, MO 63141
email gfallert@hbecorp.com
or visit us at www.hbecorp.com

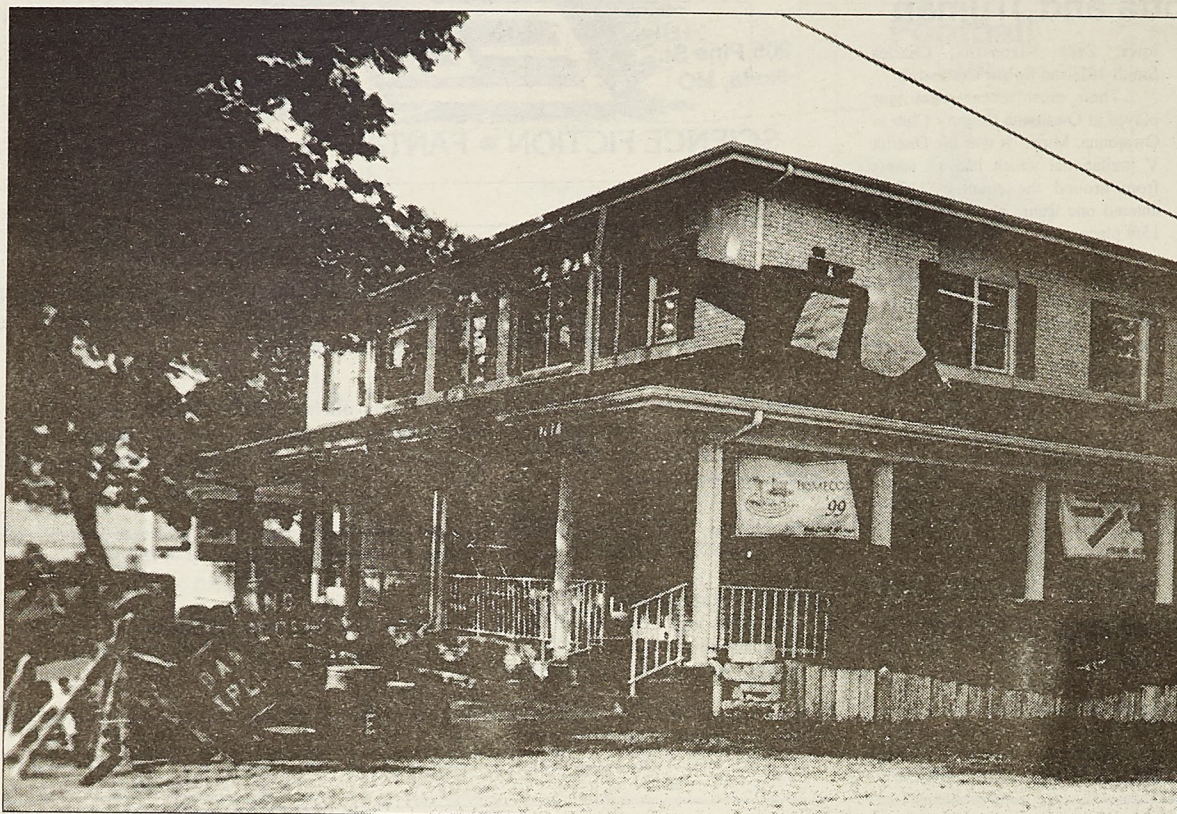
Miner Match-up

Women's and Men's Soccer

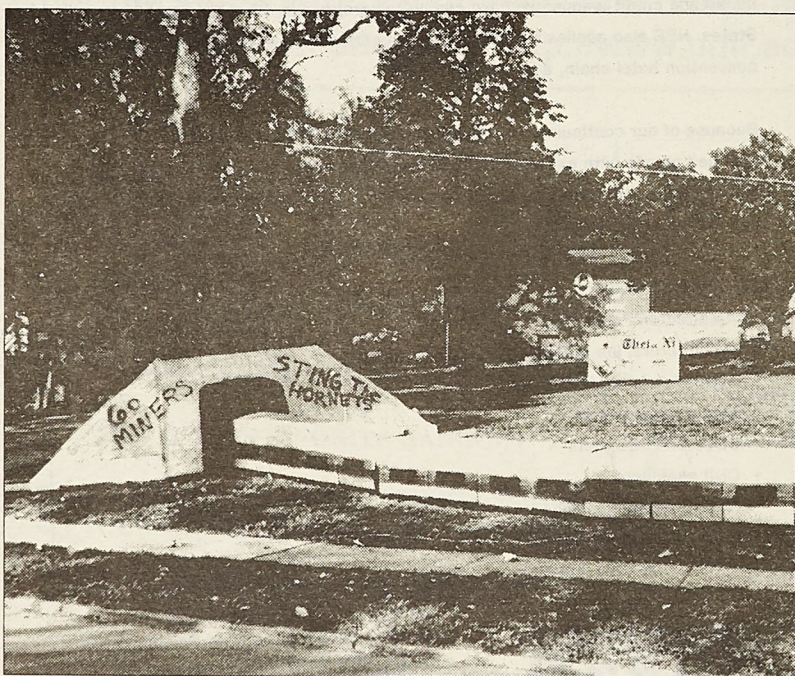
UMR
vs.
Missouri Baptist

Wednesday, Oct. 13
St. Louis, Mo.
Game times 5 & 7 p.m.

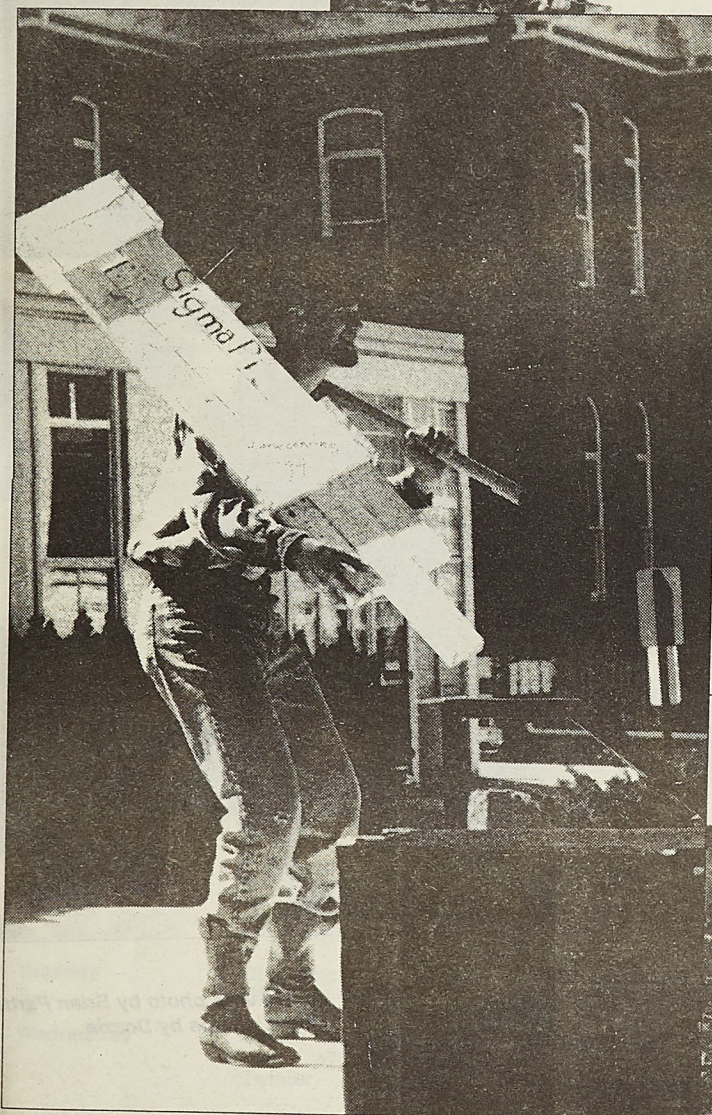
HOMEcoming



Above and Below: photos by Dozzle
Right: photo by Brian Partridge

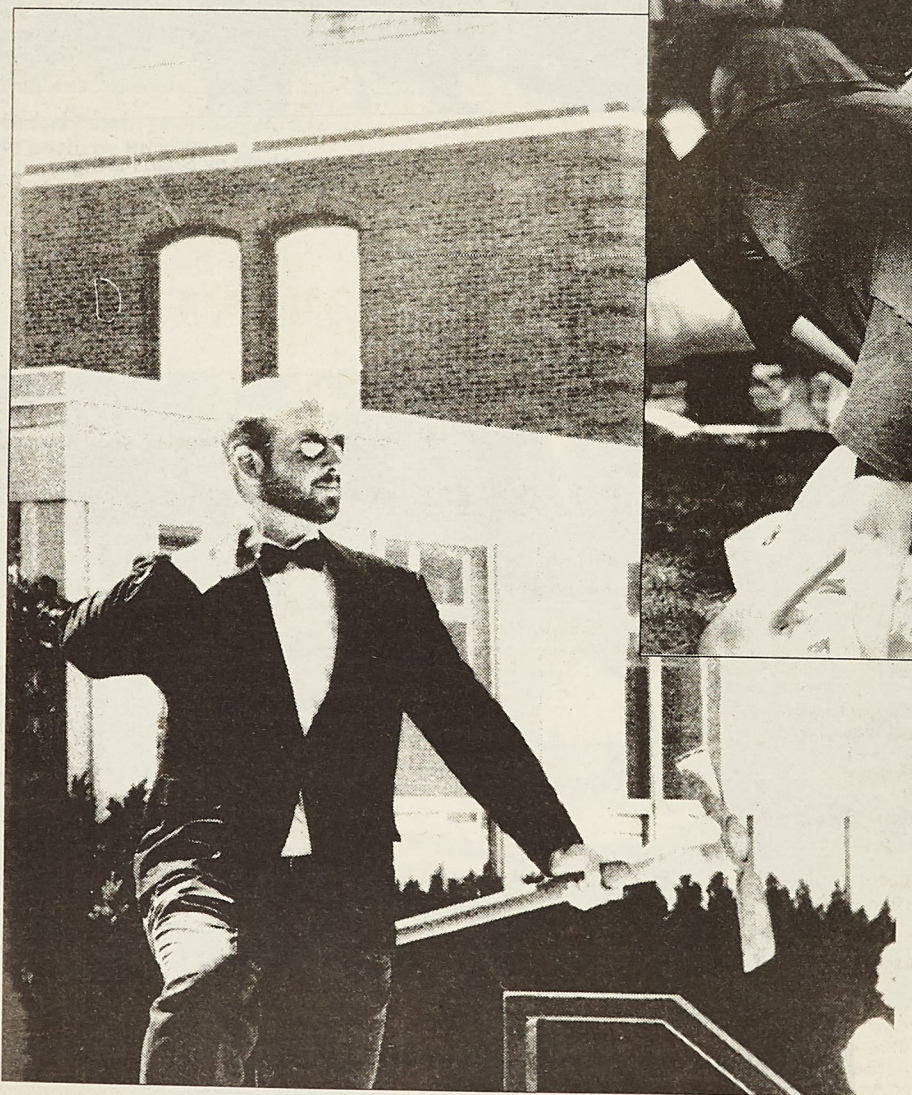


COMING 1999



Above: photo by Brian Partrige
Left and Below: photos by Dozzle





Above Left: photo by Brian Partridge
Other: photos by Dozzle

October 6, 1999

The W

Evan Rau
Features Writer

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Features

October 6, 1999

The Missouri Miner

Page 13

The working student: Weighing priorities

Evan Rau
Features Writer

Do I sleep more than fourteen hours a night on the weekends? Do I hyperventilate with joy upon finding a quarter on the ground? Do most of my peers consider me a sloth? If you answered yes to any of these questions, you might want to get a job. Keep in mind, a job requires your participation too, and sometimes eats up valuable social time. Obviously there are ups and downs to employment. Do you want a job? You be the judge.

A primary consideration might be money, as it seems to drive everything these days. College students are not known for having an abundance of cash available, and rightly so. After all, students have a multitude of expenses in addition to the already astronomical costs of higher education. Maybe a job is necessary to those of the student body not receiving full scholarships or without wealthy parents. There are, however, other aspects of college life and employment alike, that one might consider before making a decision. Some of these include time available for socialization, time for study, where one can work and time to one's self.

There is always the possibility of conflict with studies and classes. Paul Hoppe and Marty Kofsky both said their jobs have greatly reduced their amount of free time. Hoppe said it has not gotten in the way of studies yet, but admitted that he doesn't work very many hours.

Kofsky, who works at the front desk at Thomas Jefferson residence hall felt that his job definitely has gotten in the way of studying at times. He remarked, "it's hard to study for a test when I have to be at the desk and interacting with people."

Crystal Massia, said that she schedules her work so that it cannot interfere with her studies.

She said that as a result of that, her job has not affected her grades at all.

There is no reason to write off employment only as a burden, getting in the way of self-progress. There are benefits to having a job while going to school. According to Mr. Robert Whites of Financial Aid, during the 1997-98 fiscal year, 1776 students were working on campus, earning \$6,483,567 collectively. Linda Sands, also of Financial Aid said that students involved in Work-Study might work in any of the departments on campus that have filled out a work-study acquisition form. So, one is not alone in the workplace or without variety on campus.

Whites also added that on-campus jobs are generally more pliable when it comes to scheduling around classes, making it easier for the student to work and study without much conflict. The student workers interviewed had their own views on why working, as a student is important to them. Hoppe, who works at Wal-Mart, was asked why he has a job and his reply was, very simply, "gas money." Hoppe has an hour commute each way every day. He also added that it has helped him to know what he has to get done and how much time he has to do it.

The benefit of money is basic, but what are some other benefits of having a job as a student? Kofsky said that beside the extra spending money he feels it is a way to give back to the residence hall. Kofsky has been living in Thomas Jefferson for five years. He remarked that having a job outside your intended career field, gives a potential employer evidence of a wider experience base.

There are many things that must be considered before one decides that having a job is or is not right for him. "Just make sure you are sure why you're in college and have your priorities straight," Massia advised.



Two students get down and sticky wrestling in jello in the Homecoming competition this week. The winner of the Homecoming games is Chi Omega.
photo by Dozzle

Homecoming festivities a success for students

Priscilla Schulte
Features Writer

Homecoming 1999 was an exciting time for both the students and alumni of the University of Missouri - Rolla. The theme was *Mission: Homecoming*, and the week was filled with competitions, games, alumni activities and activities that included anyone on campus who chose to accept the mission.

The celebration began Monday with a barbeque on campus, during which food was served free to all students. The barbeque was accompanied with games, such as the olive-eating contest, which various organizations competed in for homecoming points. Voting for the homecoming queen and king also began on Monday. Each organization was encouraged to nominate a king and a queen candidate for the contest.

More games followed on Tuesday and Wednesday, including the obstacle course and Twister. Students were invited to play laser tag on Wednesday evening with the king and queen candidates. The Jello wrestling tournament was held on Thursday along with the Joe

Miner look-alike contest.

On Friday, the day was kicked off with the house decoration contest, in which Greek organizations "dressed up" their houses in a theme related disguise. The golf tournament followed, and students and alumni mingled at the Silver & Gold Cocktail on Friday evening.

Before the game on Saturday, the banner competition was held, and all the organizations that made a homecoming banner proudly displayed their work. The king and queen candidates were introduced, and during halftime, the Coronation ceremony revealed the homecoming king and queen winners.

Student involvement in Mission Homecoming was very extensive. Samantha Esarey, the Student Union Board Homecoming Coordinator, was impressed with the participation of students in this year's homecoming.

"The participation was so much more than last year. Laser tag itself had approximately 350 participants. Organizations had a lot more people cheering them on at the puck than in the past... The competition was really

see Homecoming, page 16

Homecoming Results

Day	Event	Winner
Monday	Target Shooting Olive-Eating	Sigma Pi Sigma Pi
Tuesday	Disc Stack Obstacle Course	Phi Kappa Theta Kappa Sigma Pi
Wednesday	Secret Key in Whipped Cream Twister	Chi Omega Pi Kappa Alpha
Thursday	Women's Jello Wrestling Men's Jello Wrestling Joe Miner Look-Alike	Sigma Nu Pi Kappa Alpha
Friday	Golf Tournament House Decorations Contest	Phi Kappa Theta
Saturday	Banner Competition Homecoming King Homecoming Queen	Pi Kappa Alpha Joe Schmidberger - Kappa Delta Ginger Appleberry - Chi Omega

Chad Cole's Culinary Corner: Pasta! It feeds the broke

Chad Cole
Columnist

College papers cover a host of on campus activities, sports, student groups, news, and even the occasional current world event, which is great - we need to know about that stuff. Almost everybody can relate to at least some of these subjects. But there is a favorite topic of mine which doesn't get its fair share of publicity in our paper. This subject is a ubiquitous one. Universal. Yes, folks, I'm talking food.

Food is a major part of my life, as I'm sure it is of yours if you're alive and healthy. I like to think my relationship with food is a little more intimate than the average Joe. First off, and probably most importantly, I was a wrestler in high

school. All of that cutting weight gave me a permanent hunger, which cannot always be tamed. Next, I have a nuclear metabolism, so without vast amounts of food, I can't function properly. Last year I was the business representative for my fraternity, which involves ordering food for our 65 members. This was no small task and taught me much of my great knowledge on food. O.K., so what this all means is that my opinion on food is highly accredited. Now that my credentials have been established, let's get down to this week's hot topic:

How to eat when you're broke (Part 1)

(This portion is mainly aimed at non Greek/dormitory people who don't have meals provided for them, but

everyone can benefit from these words of wisdom.)

Can you say PASTA?! PASTA, PASTA, PASTA!!! Yes, you can, because we all love PASTA! This stuff has the potential to feed all of the destitute students of UMR for a minimal fee. It's even healthy for you! Macaroni, fettuccini, Ramen noodles, little shells, big shells, mostacolli, whatever your favorite size and shape of noodle is, go get some. Put some cheese on it, or some butter, maybe some red sauce, or how about alfredo sauce? Whatever floats your boat in the great sea of pasta. This column will be continued next week with some recipes for some of my favorite pasta dishes...So, farewell for now, happy eating, and don't forget to brush those precious teeth.

Fashion:

Time for fall changes

Abere Karibi-Ikiriko
Fashion columnist

With all the homework to do and the tests to study for, students don't have time to worry about what they wear. For most students, anything would do. However, I searched the campus to bring you this week's campus fashion.

Yes, there is fashion at UMR this week. Rachel Vanderwerf saved the week last Friday looking a little formal yet casual. She wears a check patterned, all cotton, lined blazer. The blazer has one button that can be unbuttoned to give a more casual look when it gets warmer. Underneath the blazer she wears a gray cotton T-shirt with khaki colored pants which makes

a great combination for Fridays. She also wears a pair of all purpose sandals made by Teva making her look more comfortable. To complete the look she wears a wooden beaded choker and of course she has her backpack behind her. Looking this good, she is set for the breezy yet sunny day.

Fashion advice for girls: Have you been shoe shopping lately? If not, make a trip to a shoe shop and get

one of those sneakers with a little height on them. They are casual yet the raised heels give you a more feminine look and a little more attitude.



Rachel Vanderwerf looks classy and casual for a breezy Friday.

photo by Abere Karibi-Ikiriko

Fashion advice for guys: It's time for a change. Get your hair dyed, everyone is doing it. If you are dark haired a bronze look will do and if you are light haired go for the platinum blonde look.

But if you are less daring, go for the tinted look, get the ends highlighted. Warning: Don't go overboard with this. A bright red or green is a bad idea if you have an interview coming up soon.

Cutting computer slack

CJ Hammond
Computer Reviewer

First we will start things off by introducing the author, and letting you know what this section will be used for. CJ is a computer science student, and an all around good guy. As you may know the University of Missouri-Rolla has many computers spread around campus, you probably use a computer in every class you have here, and you probably have a lot of questions about the campus computers as well as your own personal computer. Well, CJ is here to try to help you answer all of your questions.

Drop an email, christoc@umr.edu, with any questions or comments that you may have about any computing topic you can think of. He will try to answer all questions that are received and the questions that may pertain to many students will be answered and published here in the Miner. Here goes the first question:

"CJ, I am in a bind. I don't have enough money to go out and buy new software for my computer, and the software I have just doesn't do what I want. Do you have any ideas?" -Broke College Student

BCS - did you know that you can buy fully licensed Microsoft software on campus for far less than you can anywhere else? No, not downloading a copy from a friend's computer over the Ethernet, or buying a burnt copy of a friend's software, which are both illegal may we remind you.

see Computers, page 16

CD Review:

Supernatural Star Shines

Murray Gregson
CD Reviewer

Artist: Santana
Album: Supernatural
Label: Arista

Long before today's modern Latino stars like Ricky Martin and Jennifer Lopez, there was Santana. Over the past 30 years, Carlos Santana has grown into a living legend, both for his distinctive guitar playing and for his universal message of love and understanding.

It is an excellent return to form, with enough rock rip and Latin overtones to remind us of those early '70s glory days and enough '90s firepower to bring Mr. Santana right up to date. Supernatural features contributions from Dave Matthews, Wyclef Jean, Everlast, Lauryn Hill, Eagle-Eye Cherry, Matchbox 20's Rob Thomas, Mexican rockers ManE1 and Eric Clapton, everybody but Britney Spears and Meat Loaf. So how come most of it sounds so good?

The truth of the matter is, it's been too long since Carlos Santana delivered a new studio album worthy of his awesome gifts, and for what-

ever reasons, all the high-profile attention he receives here appears to have reinvigorated his muse. Eclectic, lively and soulful, Supernatural offers a glossy but winning context of musical fusion that highlights Santana's unique salsa-blues-rock style that is accentuated by his stunning guitar abilities.

Santana says, "Every musician who participated on this record was on the same wavelength and the same artistic energy as I was. They had been hearing my music and feeling my spirit and I in turn, had been feeling theirs. 'Supernatural' is a beautiful example of synchronicity."

"Smooth," the first single off the album that is rocketing up the singles chart, is a surprisingly spicy number that finds Rob Thomas rising to the soulful occasion. Likely to get a lot of notice is "Love of My Life," a lilting, romantic little gem that finds Dave Matthews sounding extremely Sting-like (the former Police lead singer/bass, not the wrestler!) and Santana answering back, playing with seasoned taste and passion.

Not everything is quite so appealing. "Do You Like the Way," featuring Hill and Cee-Lo of Goodie

Mob, seems a bit more forced, but fellow Fugee, Wyclef Jean, serves Santana admirably on the funky "Maria Maria."

The closing track "The Calling," in which Clapton and Santana trade guitar riffs is simply captivating. Also strong is the funky "Wishing It Was," in which Eagle-Eye Cherry inhabits a subtly updated Santana sound with considerable ease. Other tracks, like the opening "(De Le) Yaleo" and "El Farol," prove that Santana remains supernaturally graceful without too much help from anyone. Who could begrudge such an enduring guitar god another big, star-studded shot at living la vida loca?

This is truly a brilliant album from a music legend, it is easy to see why he has attained this status. Supernatural has it all. It makes you want to sit down and chill out and it makes you want to get up and try some Ricky Martin dance moves (well for some people anyway). What else can I say but this is an extremely good album that deserves a place in everyone's CD collection.

Rating: A+

Congratulations to the Homecoming Winners!

First Overall - Chi Omega
Second Overall - Pi Kappa Alpha
Third Overall - Sigma Nu



Student Life

October 6, 1999

The Missouri Miner

Page 15

Student council creates new mentoring program

Nandy Modlin

Student Council

Next semester, the Student Council Parent-Alumni Committee will be combining the Alumni Mentor program with the Career Opportunities Center's Career Ambassador program. This new program will be completely different from the existing Freshman Mentor Program.

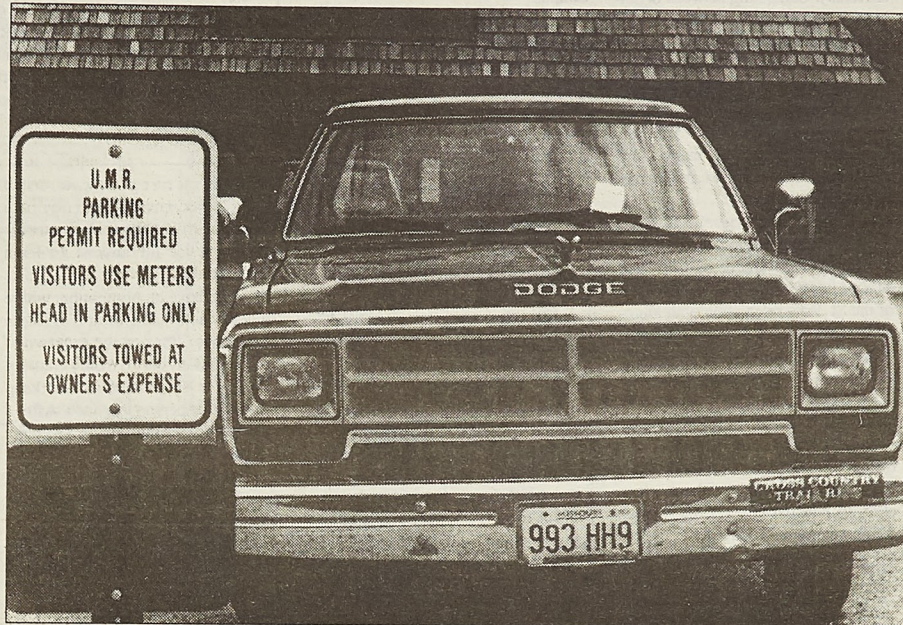
It will allow students to choose their mentor from the program's web page and will then be paired with whomever they match best with. An e-mail will be sent to both parties informing both the student and the mentor of their pairing.

The mentors will be University of Missouri-Rolla alumni who volunteer to participate in this program, so they are more than willing to offer advice and insight. Students who have questions about what they can do with

their degree would find this program beneficial to them. Also, those who have questions about a particular area of the country or what it is like to work for a certain company would find it useful also.

Parent-Alumni Committee Chair Kevin Lewis explained, "The intent (of this program) is to provide students the opportunity to obtain whatever career information they need through people who have had to make the same decisions."

If you are interested in participating in this program next semester, contact Kevin at kdl@umr.edu. Your name will be added to a list and you will be contacted as soon as the program is up and running. At that time, the committee will begin matching students and mentors. If you have any questions, please feel free to stop by the Student Council Office (202 UCW) or call us at 341-4280.



An illegally parked car is given a parking ticket. Parking tickets range from ten to thirty dollars depending on the offense. Students are allowed to park only in specified lots between 7:30 a.m. and 4:30 p.m. Mondays through Fridays. photo by Dozzle

Playing with weapons

Phillip Ballard

ROTC

What were you doing on Saturday, September 25? I know what I was doing. I was on Fort Leonard Wood with Army ROTC participating in our fall weapons and land navigation field training exercise or FTX for short.

OK, well, this is all well and good, but why does this pertain to you? It does if you were one of the students taking Military Science 20.

This class is called Military Marksmanship and is taught by Captain Russell Kirby. The course teaches basic rifle marksmanship and weapon's safety. During the course, the class goes to the air rifle range in the Multi-purpose building and during the FTX that ROTC goes on, the students get to fire the M16A2 rifle. Now how many of you can say that?

The class is one credit hour and the only obligation to ROTC is to listen to the recruitment information.

Signing up for the class does not mean you have signed your life away.

As for those of us that have signed our lives away, we spent the weekend firing the M16A2 and playing in the woods doing land navigation. In the morning and afternoon we played with weapons, zeroing and qualifying. Zeroing is where we adjust the rifle to shoot where we want to. Qualifying is, well, qualifying.

We go out, shoot our zeroed weapons at pop-up targets trying to knock down at least 23 out of 40 targets. Land navigation is where we are given a map, a set of points, and a time limit and told, "Go." Then we tromp around the woods trying to find the points. It can be a lot of fun. We do it during the day and at night.

Well, I've taken enough of your time, but if you think you might be interested in taking Military Science 20, just contact Army ROTC at arotc@umr.edu.

UMR parking rules explained

Riteshkumar Jain

Features Writer

Most students have encountered parking problems at some point in time, especially when they were new to the campus. Some of these students had problems because they did not know the rules. The Parking, Security and Traffic Committee at UMR has a set of well defined rules, known as, "The UMR Parking and Traffic Regulations." It is important to know and understand these rules properly.

According to the rules, "Parking" means stopping or standing regardless of whether the vehicle is left unattended or with a driver in the vehicle. Parking is restricted to the 36 various parking lots.

TECHS:

Tourette's is an often misunderstood illness

Dave Visnich

TECHS

Through television and movies, Tourette's Syndrome (TS) has been portrayed as an odd and often comical illness which is comprised of profane outbursts and twitching movements. Unfortunately for the estimated 100,000 Americans that have full-blown TS, this disease is not so humorous.

What exactly is TS? Tourette's Syndrome is an inherited neurological disorder characterized by repeated and involuntary body movements

(tics) and uncontrollable vocal sounds.

The tics typically involve the head and other parts of the body, such as the torso and upper and lower limbs. The vocal tics include various sounds such as clicks, grunts, yelps, barks, sniffs, coughs, or words. Complex motor tics involve touching, squatting, deep knee bends, retracing steps, and twirling when walking are often present.

Coprolalia, a vocal tic involving the vocalizations of socially inappropriate words and phrases, is not present in all individuals. The frequency

with which Coprolalia exists varies among studies from between 1 person out of 50 cases to 1 person out of every 3 cases.

The term, "involuntary", used to describe TS tics, is sometimes confusing because it is known that most people with TS have at least a little control over their symptoms. However, this control, which may be exercised anywhere from seconds to hours at a time, may only delay more severe outbursts of symptoms. Tics are experienced as irresistible and must be expressed.

The residents' parking at Thomas Jefferson Hall, Nagogami Terrace and the Stuart Apartments are "Special Residence" lots. These lots are open to parking by those with a special designation permit.

The "Visitor" lot located south of the University Center (Lot #21) is

see *Parking*, page 16

Don't run from Green Rep

Azurdee M. Garland

St. Pat's Committee

Okay kiddies its only 161 days 'till the best ever St. Pat's 2000. I know many of you are burnt out and tired of all activities going on at the Puck. Never fear the St. Pat's guys (and girls) are here. You have less than five months to get psyched up, recharged and ready to celebrate the best celebration on campus.

I challenge everyone, this does include you, to participate in the last St. Pat's of the millennium. I am tired of just seeing fraternities and sororities participating. This years games promise to entice and enchant the non greek students at UMR. There will be games and contests for EVERYONE.

If you have any questions, I challenge you to not runaway from your friendly Green Rep at the Puck, but to stop and ask them your questions.

see *Tourette's*, page 16

Homecoming

From page 11

a close race," Esarey said.

"Homecoming completely boosts school spirit... It definitely makes students proud to attend this university. Competing between organizations also gives students more pride in their own organizations," Esarey said.

Although student involvement was great this year, students were not the only participants in *Mission: Homecoming*. There were many alumni events that composed the homecoming agenda, as well.

During "Memories Of St. Pat's Fifty Years Ago" Lenore (Jones) Morris, the St. Pat's Queen of Love and Beauty in 1946, shared her memories of the St. Pat's celebration with alumni. Tom Shipley of Brewer & Shipley ("One Toke Over the Line") talked to alumni about his experiences in the world of music at the "Life On The Road" presentation. Students mingled with Corporate Develop Council members at the Excel Leadership Banquet on Thursday, and the alumni class of 1939 boogied down at the homecoming dance on Friday.

The preparation began last

semester in the planning stage and was in constant development until the actual event. The amount of preparation necessary for a successful homecoming is very extensive, somewhat stressful and very rewarding. The boost in school spirit brought on by the homecoming events is evident to the entire campus.

"We begin preparing in April... It's a full-time job. I cannot begin to express how much work goes into it, but the end result is definitely worth the effort," Esarey said.

Parking

From page 13

reserved for visitors only. Employees, students, and members of their families are not allowed to park in the visitor lot unless they park at the parking meters.

Any student who has registered his vehicle with university police department can park at lot #20 near the Multi purpose building.

Parking regulations are in effect Monday through Friday throughout the calendar year except for official holidays. Hours of enforcement are from 7:30 a.m. to 4:30 p.m. Exact parking regulations

Computers

From page 12

UMR Printing and Mail Services (QuickCopy) has almost every single Microsoft title you could want to ever purchase.

Have you priced MS Office 97, or even Office 2000, lately? Well go to <http://www.umn.edu/~pmumr> and click on the Microsoft Select Software link and view the prices in your

are available at <http://www.umn.edu/~police/parking/parkingrule.htm> But aren't these regulations a lot for anyone to learn immediately?

"We have an orientation, where students are made aware of these regulations. For first week or two of each semester, we give only warning tickets for any violation and keep track of that person involved. After a couple of warnings he is booked," Rodney explained.

A student can always go to Parking Committee to contest a fine. This committee is comprised of students, faculty and staff, and decides the traffic and parking regulations.

Adobe Acrobat Reader. They also have operating system and software development products available as well.

There is a catch with the low prices that Printing and Mail Services offer, you only get a CD with the software, so you are missing out on the "pretty packaging" material, and those "helpful manuals."

You don't need the box or the manuals, almost everything you might need can be found on the Internet. Speaking of the Internet, all questions and answers received can be found at

CJ's web site <http://www.umn.edu/~christoc>, feel free to submit your own computer questions either through email or from the web site.

Disclaimer: As with all computer related issues things may not always work correctly, CJ and the Missouri Miner will not be held responsible for any damage to your computer incurred by following this advice. Also, the opinions expressed in this column do not reflect the opinions of the Missouri Miner or its staff.

Tourette's

From page 13

There are multiple complications associated with TS which include physical injury, such as blindness, orthopedic problems, skin problems, and, in extreme cases, self-mutilation.

Other associated conditions can include obsessiveness, attention problems, impulsiveness, learning disabilities, and sleep disorders. One of the greatest obstacles, however, that individuals with TS must overcome is the ignorance and lack of understanding of the general populace.

Most people with TS can lead productive lives and participate in

nearly every profession. Jim Eisenreich, a former baseball player for the Florida Marlins and Kansas City Royals, and Mahumoud Abdul-Rauf of the NBA Denver Nuggets have both announced that they have TS. Another famous individual with TS was Samuel Johnson, the inventor of the English dictionary.

Unfortunately, there is no known cure for TS. Medication may be prescribed to help the individual control the tics, but nothing has been found to alleviate the symptoms entirely. The disorder is usually lifelong, though periods of remission can last from weeks to years. The best treatment and help that TS sufferers can obtain is understanding and support.



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October 6, 1999

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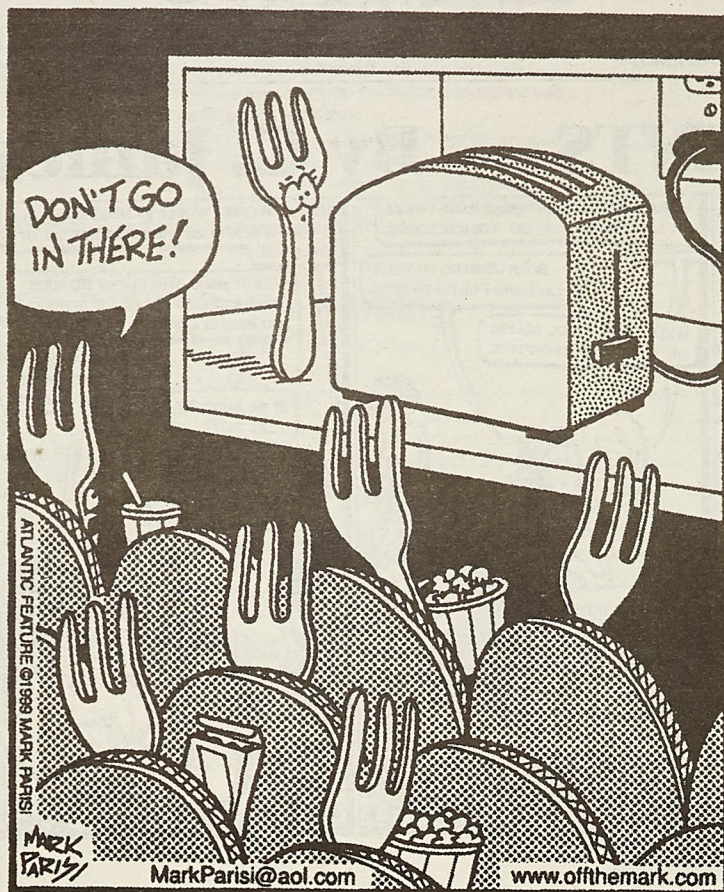
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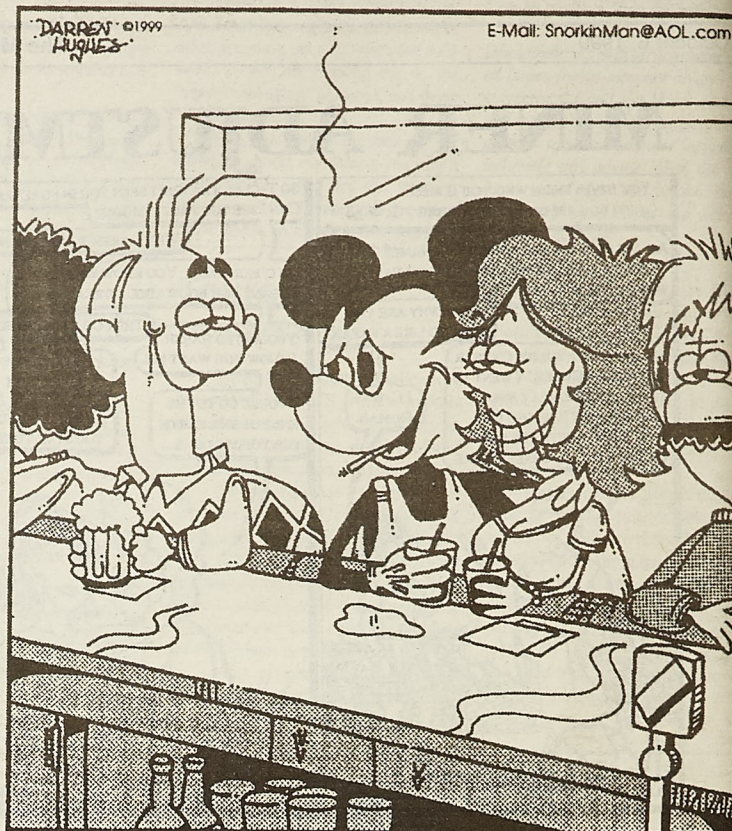
TIC
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off the mark

by Mark Parisi



SNORKIN™



Don't tell Minnie.

HOROSCOPES

by Jen Ann Tonic and Martine Eee



Libra (Sept. 22 to Oct. 22) A makeover is long overdue. Send your picture to Oprah and maybe she'll take pity on you. A new look will improve your confidence since you are known for being very dependent. Try something new this week - think on your own.



Scorpio (Oct. 23 to Nov. 21) Beware this week if any cat tries to cross your path. Don't try to reason with the animal. Kitties have minds of their own. This week is ideal for catching up on homework. We all know your grades could use improvement. If this doesn't work, a change in major may be the next step.



Sagittarius (Nov. 22 to Dec. 20) You are truly a smart individual. Show your kindness and don't wait until the last minute to do your homework. Think about all of the people you could help. This also applies to studying with future guests. Since you are such a gifted individual, it is assumed that you have a lot of free time on your hands. Watch the Conan O'Brien Show.



Capricorn (Dec. 21 to Jan. 19) You have finally taken our advice to heart, even though it has only taken you five weeks. Hopefully you aren't this slow in your schoolwork. Since your attitude has much improved, reward yourself with a treat. See Libra for additional advice.



Aquarius (Jan. 20 to Feb. 17) It has been quite evident to everyone this past week that you like to inflict torture on innocent bystanders. Your mean streak must stop. Follow the Golden Rule. Your fast-paced lifestyle will lead you only to trouble. Pick up a hobby and go.



Pisces (Feb. 18 to Mar. 19) Our advice to you is to follow the rules you learned in kindergarten (i.e. look both ways before you cross the street). It is generally not a good idea to walk in front of moving vehicles, especially since many people are aiming at you. Pay off old debts of any kind. Your creditors could be hired assassins.



Aries (Mar. 20 to Apr. 19) Cleanliness is next to godliness, so go out and buy that new vacuum cleaner you've had your eye on. Don't deny others the joy of vacuuming. Since you have been so good, be a devil and get dirty.



Taurus (Apr. 20 to May 19) StuCo free day is the perfect opportunity to venture out to shop for new clothes. If you are a guy, make sure you take a girl with you because you have no natural shopping instincts. Remember this rule of fashion: DO NOT mix three different patterns in one outfit.



Gemini (May 20 to June 20) You are not romantically inclined. To spice up the romance in your life, invite a sexy friend over for a candlelit dinner. To ensure the evening is pleasurable, dress down for this occasion. Don't let your nervousness hide your feelings. Let it all out.



Cancer (June 21 to July 21) Focus your attention on your health. With mid-terms nearing, it would not be good to be sick. Eat more vegetables and fruit. Once you are at optimal health, feel free to partake in social gatherings. Food and beverages are a must.



Leo (July 22 to Aug. 22) Your school spirit is astounding. You set a fine example for others with your spunkiness. However, don't expect others to follow. Everyone is special in their own way. Once you have made this realization, your worries will be at ease.



Virgo (Aug. 23 to Sept. 21) Okay, jealousy is not an attractive quality. Instead of worrying about what everyone else is doing, take care of yourself. Don't let your insecurities rub off on other people.



ACROSS

1 Light

5 Sore

9 Feminine pronoun

12 S. African nation pl

13 Unusual

14 Silhouette Arabic

15 Stellar

17 Raised railway

18 Decay

19 Levitate

21 Across over (pref)

23 One who leaves

27 Indicates plural for

28 Architectural design

29 Drooping of head

31 Place

34 Mother (informal)

35 Driving towing care

37 Escavate

38 Southern state (abbr)

40 Finis

42 Potato

44 Servant

46 Bone

48 Unending

ROOMMATE

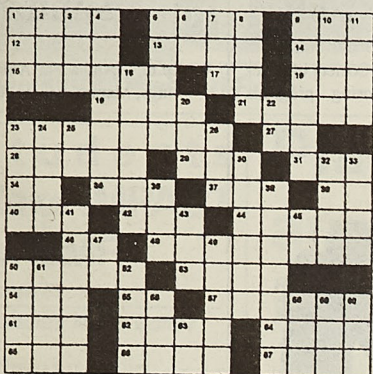
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Contact Katie

For Sale: N
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446-8355
breaks.com

Student E
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Crossword Puzzle



22 For example
23 Wife of knight
24 Dash
25 Yes (Span.)
26 Fishing pole
30 Distract
32 Nights before
33 Fashions lace
36 Feline
38 Helmet-shaped
41 Give
43 Error (pref.)
45 Football position (abbr.)
47 Consequently
49 Wet
50 Result of election
51 Tied
52 Man
56 Levied fee
58 Cover
59 Native of (suff.)
60 Against
63 16th Greek letter

ACROSS

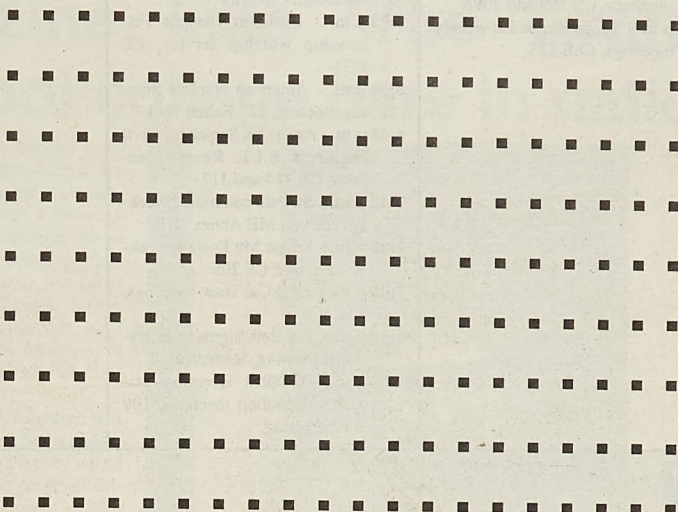
1 Light
5 Snare
9 Feminine pronoun
12 S. African native plant
13 Unusual
14 Sleeveless Arabic garment
15 Stellar
17 Raised railway
18 Decay
19 Lewd
21 Across; over (pref.)
23 One who leaves
27 Indicates plural form
28 Architectural design
29 Drooping of head
31 Place
34 Mother (informal)
35 Giving loving care (abbr.)
37 Excavate
39 Southern state (abbr.)
40 Fins
42 Potato
44 Servant
46 Bone
48 Unending

DOWN

50 Poison
53 Painful
54 Eggs
55 Near
57 Slanted type
61 Vietnam offensive
62 Circuits
64 Yugoslav statesman
65 Direction (abbr.)
66 Way to go out
67 First garden
1 Vegas
2 High note in music
3 Flightless bird
4 Part of
5 Arranged meeting place
6 Egyptian sun god
7 Be (p.t.)
8 Animal skin
9 Irritate persistently
10 Black
11 Rodents
16 Not usually
20 Even (poetic)

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.



Classified Ads

ROOMMATE NEEDED:

Mine is graduating in December and I need a roommate for the spring. Across street from campus and inexpensive. Contact katie@umr.edu.

For Sale: NEC Laptop, win95, MS office. \$395 rdhenson@umr.edu 341-0221

Spring Break '00 Cancun, Mazatlan, or Jamaica From \$399. Lowest Prices Guaranteed!!! Info: Call 1-800-446-8355 www.sun-breaks.com

Student Employees Needed: Delivery and Maintenance positions available Salary dependent upon experi-

ence. Hours are flexible - work around class schedule. Must possess a valid drivers license. For more information contact: Gary Welty or Joanne Zap 341-6486 jzap@umr.edu

Wafflehouse Wanted: part-time, full time. All positions available. Will work around your schedule. 1910 N. Bishop

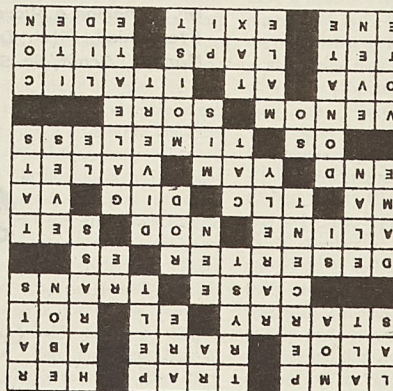
For Sale: Paintball Guns! I have two '97 Autocockers and two Stingray II's for sale. Stingray package comes with tank, hopper and mask: \$75. Call on Autocockers. 368-7209, or sbern@umr.edu.

Students may submit FREE classified ads to the Missouri Miner by sending student number and ad to miner@umr.edu.

WANTED

Assistant editors, photographers, and writers who are interested in making money by joining the staff of the Missouri Miner. Meetings are 4:30pm on Thursday and editors must be available to work most of the day every Monday. If interested, please contact us at miner@umr.edu.

Answers to Crossword Puzzle




Calendar of Events

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The Missouri Miner

October 6, 1997

6 Today	7 Thursday	8 Friday	9 Saturday	10 Sunday
<p>6:20 p.m. - American Concrete Institute business meeting, CE 117</p> <p>8:00 p.m. - Residence Hall Assn. meetings, CS 209 and 209A</p> <p>8:00 p.m. - Kappa Kappa Psi weekly meetings, ChE 125</p>	<p>3:30 p.m. - Russian Club meeting, CSF 109</p> <p>6:00 p.m. - Toastmasters speaking meetings, CSF 109</p> <p>6:00 p.m. - Christian Campus Fellowship worship service, EE G31</p> <p>6:00 p.m. - American Nuclear Society meeting, 227 Fulton Hall</p> <p>6:45 p.m. - American Society of Civil Engineers E.I.T. Review sessions, CE 114 and 117</p> <p>7:45 p.m. - St. Pats committee weekly meeting, ME Annex 107C</p> <p>7:00 p.m. - Kappa Mu Epsilon weekly meetings, CS 205</p> <p>7:00 p.m. - Solar Car Team meetings, EM 103</p> <p>8:30 p.m. - Tau Beta Sigma organizational meeting, Schrenk Hall</p> <p>8:00 p.m. - Student Environmental Action Coalition meetings, 109 Buehler Bldg.</p>	<p>7:00 p.m. - Show Me Anime meetings, McN 204</p>	<p>1:00 p.m. - National Society of Black Engineers tutoring program, McN 204</p>	<p>4:00 p.m. - Alpha Phi Alpha meetings, Meramec room, UCE</p>
11 Monday	12 Tuesday			
<p>7:00 p.m. - Christian Campus Fellowship prayer meetings, Sunrise room, UCE</p>	<p>5:30 p.m. - IFC weekly meetings, McN 206/216</p> <p>6:45 p.m. - American Society of Civil Engineers E.I.T. Review sessions, CE 114 and 117</p> <p>7:00 p.m. - Solar Car Team design meetings, EM 103</p>	<p>7:30 p.m. - Upsilon Pi Epsilon meetings, CS</p>		



What is Management Systems?



Management Systems = Computer Science + Business + People

Core Courses

- Computer Science
- Economics
- Engineering Management
- Psychology

Emphasis Areas

- Business
- Finance
- Government
- Human Relations
- International Affairs

Management Systems is a broad-based, interdisciplinary major that is technically challenging and offers excellent career opportunities. Students learn to apply Computer Science and ensure that the potential of new technology is fully realized in complex business settings. We have a 100% placement rate, and our recent graduates had a median starting salary of \$46,500.

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