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The Missouri Miner, November 05, 1997

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The Missouri Miner

A publication of the students of the University of Missouri-Rolla

November 5, 1997

Volume 87, Number 10

Sixteen Pages

University Center Renovation: Blessing or Curse?

by Brian McBride
Staff Writer

Last Tuesday, Student Council voted on a University Center renovation plan. The plan that was voted for, Plan A, was a \$12 million renovation that includes demolishing the current UC West building and erecting a 30,000+ square foot addition to the UC East building. The result would be one University Center building containing all the services that the two buildings now hold.

The plan turned down, Plan B, was a less expensive, toned down version of the project that would have left the UC West building intact and merely renovated the UC East building without an addition. This plan would have cost approximately \$4 million.

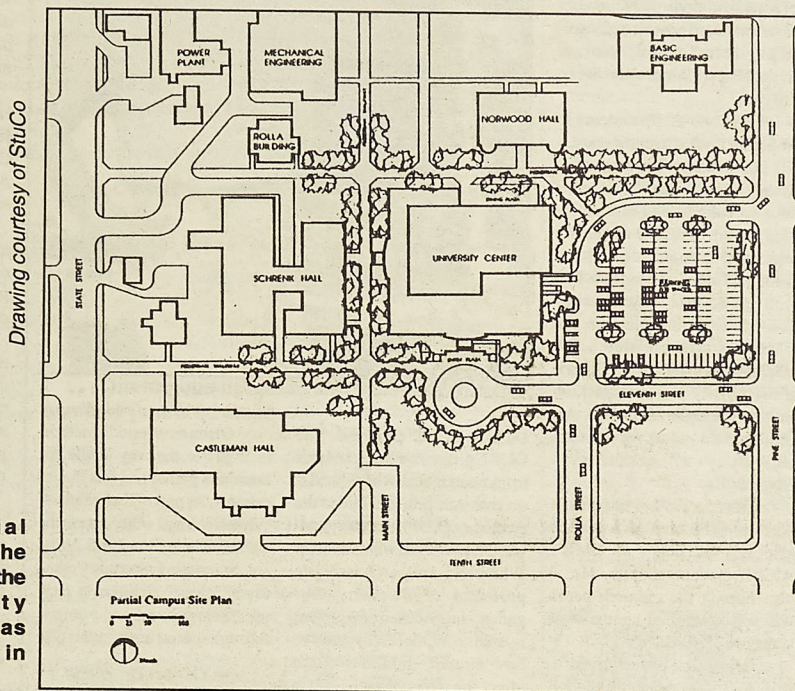
Among other things, this renovation will provide one center, instead of two for students to gather, study, purchase supplies and eat. The food service facilities will be expanded and updated, meeting rooms will be enlarged and the entries to the building will be more defined. In addition, all of the mechanical, electrical and plumbing systems will be modernized.

All plans have not been finalized. The current plans that have been voted on are still conceptual. Details concerning the exact layout of the building will be discussed at many intervals throughout the coming months.

Financing

Financing plans, as well, have not been finalized. There may be funding from the University system or outside

Conceptual layout of the area around the University Center as proposed in Plan A.



sources, but it is also very likely that there will be student fee increases. This is a sore spot for many students.

Although some feel that a social center on campus is long overdue, others like Troy Kelly feel that, "They could spend \$12 million on something better."

According to StuCo, the standard way of funding a project of this nature is to phase in a fee increase. This means that fees would increase slowly over several years. Another option is to pay

for the building when it is completed and the doors open.

Parking

Another problem concerning some students is parking. According to current plans, the addition to the UC East building will be constructed on top of what is currently visitor parking on the south side of the current UC East building.

There is a very tentative idea for more parking that has been included in the plan drawings. The idea is to purchase the KMNR and the Sunny Wall Florist/Grotto buildings and make the whole area a parking lot. The parking plans are still in the formative stages and will depend, again on funding, not to mention the City of Rolla.

Groundbreaking for the university center renovation is expected in the fall of 1999.

Student activity fee open forum to be held on November 11

by Matt Benz

Student Activities Fee Board

On Tuesday, November 11 there will be an Open Forum on Student Activity Fees starting at 6:30 p.m. in Centennial Hall, University Center - East. All organizations currently getting student activity fees will be there, along with members of the Student Activity Fee Board, the group that makes the recommendations.

The recommendations presented at this open forum will be the recommendations that the fee board, in consultation with these organizations, are making for the student activity fees for the 1998-99 school year. It is an opportunity for all students to have an impact on where their \$1,200,000 in student activity fees go.

A few things people might not know about the open forum:

1. The Open Forum is part of a regular Student Council meeting but is

see Fee Board on page 11

Briggs & Stratton save big with student's design

by Ellen Huggett
Staff Writer

Thanks to the work of a University of Missouri-Rolla student, small-engine maker Briggs & Stratton is becoming more cost effective in one of its die-casting processes.

A junior in mechanical engineering at UMR, Michael Reily of St. Charles, MO, works part time as an engineering assistant at the Briggs & Stratton plant in Rolla where he has been employed for 18 months.

While working one day, Reily noticed that the stainless steel ladle cups used to pour molten aluminum from a holding furnace into the die-casting machines just weren't holding up. "The molten aluminum would eat right through the bucket, causing it to leak," he said.

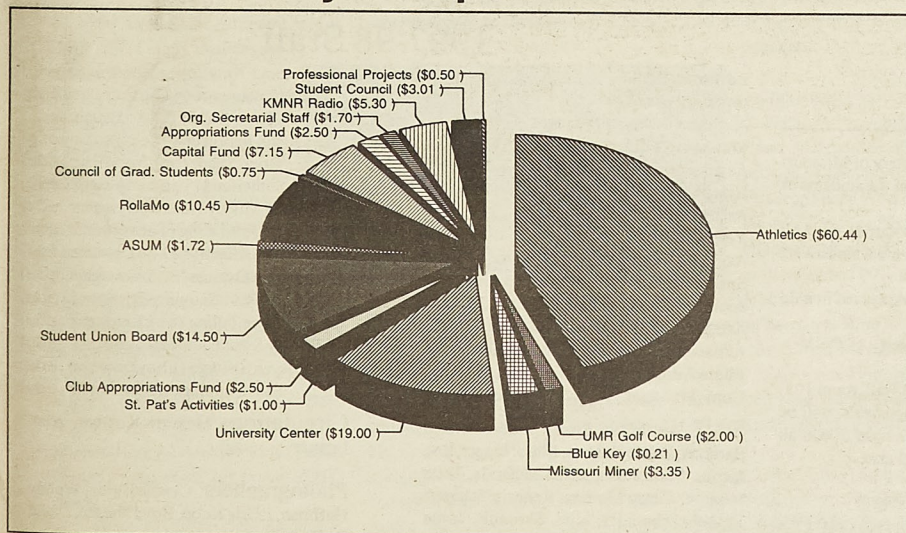
Reily thought he could come up with a more durable and longer-lasting design. To prove it, he made some prototypes at UMR's foundry, tested them in the Briggs & Stratton plant, and found that his product lasted several weeks - and cost about one-tenth the cost to make compared to the stainless steel ladles. Currently Reily's design is being used by the Briggs & Stratton plants in Rolla and Poplar Bluff, MO, as well as in foundries in St. Clair, MO, and Sparta, IL. The Briggs & Stratton headquarters in Milwaukee and the plant in Statesboro, AL also is phasing in Reily's ladles.

"It wasn't completely my idea," says Reily, commenting on the idea to create something new. "We were consuming one every three days. One day I was talking to one of the guys at work and said, 'Why don't we make something better'."

"So Reily took on the task. He approached Dr. Don Askeland, Distinguished Teaching Professor of metallurgical engineering at UMR, for advice and assistance. Reily then used the metallurgical engineering department's foundry facility to produce three prototype ladle cups, each out of cast iron.

Reily assembled a pattern for the ladle cup out of styrofoam, then he and a friend, metallurgical engineering student Alex Bowman, made a sample cup. "The first one lasted about six weeks," Reily says. "The second one lasted 11 to 12 weeks." But Reily's concept -- using cast iron -- is nothing new, he admits. "They used to use cast iron years ago," he says. "I kind of took old technology and adapted it to a new situation." He doesn't really know why die-casting operations ever switched from cast iron to steel for their ladles. "I'm sure somebody knows why, but I never could find out an answer," he said. Briggs & Stratton

see Ladle on page 11



Student Activity Fee Board recommendations for the meeting on November 11 (in \$/student/semester; except for RollaMo which is per year).

In A Nutshell

◆ The University Theatre will hold auditions for the spring musical, "A Funny Thing Happened on the Way to the Forum," on November 24 and 25 in 143 Castleman Hall at 6 p.m.

Auditions are open to all UMR students, faculty, and staff as well as surrounding communities. If you are interested in learning more about auditions for this musical, you can attend a pre-production meeting in 143 Castleman Hall on November 11 at 7 p.m.

◆ Pro/ENGINEER is installed on the network and can be accessed through any HP workstations on campus. Many students are using it. Many more are interested in it and asking lots of questions.

This is an effort to help faculty and students to get first hand information from someone who knows about the code.

Mr. Greg Kemner, associate application engineer, Parametric Technology Corp., St. Louis, will be on campus on Thursday, Nov. 6, 6-5 H-SS. From 1:30-3:30 p.m. there is a demonstration and question answering session. From 3:30-4:30 p.m. is the seminar.

Both graduate and undergraduate students are welcome.

You can also find out more about the products and services on the internet at: <http://www.ptc.com>

For more information contact Shen Ching Lee at (573) 341-4621 or e-mail at lee@umr.edu.

Olson to present research at chemical engineering contest

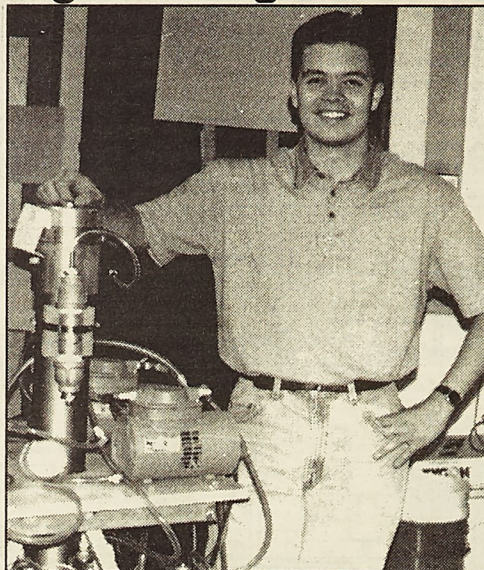
by Ellen Huggett
Staff Writer

Dustin Olson of Winfield, Missouri, a senior chemical engineering student at UMR, will present his research paper on how to better capture aircraft exhaust for scientific study on November 17 at American Institute of Chemical Engineers (AIChE) National Student Paper Competition in Los Angeles.

He is one of 10 students in the nation invited to participate in this competition. His paper has already won research competitions on campus and in a multi-state region. The title of Olson's paper is "Development of a Novel Dilution Technique for Sub-Micron Particulate Characterization." It won first place in the UMR Opportunities for Undergraduate Research Experience (OURE) 1996 competition and also in a regional AIChE competition held in last April at the University of Arkansas in Fayetteville.

Olson, a 1994 graduate of a Steelville, Illinois high school, is also vice president of UMR's AIChE student chapter. He is now hoping the research paper will win a national competition sponsored by AIChE.

Olson first got involved in this research project through



Dustin Olson with his research equipment.

photo by Wendy Hoffman

UMR's OURE program. The OURE program allows students to take part in real-world, hands-on research projects under the guidance of a UMR faculty member. Olson worked with Dr. Philip Whitefield, a research associate professor of chemistry. Together, they worked on a project related to Whitefield's study of how aircraft emissions might affect the ozone layer.

Olson developed a method to improve the way UMR researchers gather and test the jet exhaust. As part of their studies, Whitefield and other researchers in UMR's Cloud and Aerosol Sciences Laboratory routinely "chase" airliners to capture their exhaust and pump it through special instruments that

see Olson on page 11

Book drive is just another "day at the office" for one volunteer

by Casey Morriss
Staff Writer

Last spring, the Campbell Library in East Grand Forks, Minnesota lost all of its books in a flood that ravaged much of the upper Midwest. Maleah Arvieux, a Rolla teenager, has decided to help. She has organized a book drive and has established a drop off point on the UMR campus.

From now until the middle of December, people wishing to help can drop

off books or monetary donations in the MESP office located in 107 Norwood Hall.

Many people may remember the news coverage of the spring floods in Minnesota and the Dakotas. After a winter with record snow, a rapid thaw caused widespread flooding. One of the rivers that went over its banks was the Red River which forms the border between Minnesota and North Dakota as it flows north into Canada.

Arvieux saw the destruction from

this river first hand over the summer while participating in a theater apprenticeship at Moorhead State University. Moorhead lies on the border of Minnesota and North Dakota near Fargo. It is about two hours south of Grand Forks which received even more damage because of its position further north and further down river.

Hearing of the plight of the public library in East Grand Forks, Arvieux decided to help. She put up fliers and enlisted the help of friends in Kansas

City, St. Louis and even as far away as Georgia in an effort to collect books. She contacted UPS, Federal Express and Wal-Mart in hopes that some or all of the cost of shipping the books will be donated. She hopes to have the books in East Grand Forks, by Christmas.

The library there has managed to clean up much of the mess from the flood. Furniture books and shelving that were destroyed have all been removed.

see Arvieux on page 11

Miner Spotlights: Academic Affairs

by Keith Missey
Assistant News Editor

There are a large number of students on this campus who do not know the function of many important departments at UMR. These do not include the engineering departments or the arts and sciences department, but the various other entities that help this campus run its day-to-day operations. For the next few issues, a different department will be focused upon to help students learn more about the university around them.

The Academic Affairs office is located at 204 Parker Hall, right down the hall from Chancellor Park's office and for good reason too. One of the main functions of Vice Chancellor Walter J. Gajda, Jr., head of the Academic Affairs office, is to serve as the Chancellor when he is unable to perform his duties.

Jenny Ryle, Executive Staff Assistant with the department, explaining the other duties of the Academic Affairs office said, "This is actually one office where we don't like to see the students come in. We handle academic dishonesty charges against students such as plagiarism and cheating."

"We also handle many other things, but they don't necessarily require students to come to our office," Ryle continued. "We do promotion tenure, outreach programs, the granting of research equipment, awards programs, scholarship programs and the undergraduate research program. The library, computer center, the admissions and the registrar's office all report to us also."

According to Ryle, the library, computer center, admissions and registrar's office run very well autonomously. "Vice Chancellor Gajda doesn't have a hands on relationship with those entities. He is responsible for them, but they run their own offices."

The Academic Affairs office employs around 300 people. In the office itself at 204 Parker Hall, three people are employed.



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 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 drop box (first floor of Norwood Hall, room 103) by 3:30 p.m. on the Thursday before publication. Submissions, not including personals, 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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Parents of the year named during university's Parents' Day at Rolla

by Ellen Huggett
Staff Writer

Carol Rustemeyer and John Rustemeyer, both of St. Louis, have been named the 1997 Parents of the Year by the University of Missouri-Rolla Parents' Association. The Parents of the Year Award recipient is selected by a committee of the UMR Student Council from applications submitted by current UMR students.

The Rustemeyers were nominated by their son, Ben, currently a UMR sophomore in working towards a mechanical engineering degree.

The UMR Parents' Association honored the Rustemeyers during half-time activities Saturday, Oct. 25, at the Parents' Day football game at UMR's Jackling Field.

In the essay nominating his parents for the award, Ben talked about the constant love and support his parents have always shown for him and his brother, Nate. The Rustemeyers, knowing that the transition from high school to college is difficult at times, remained in close contact with Ben through phone calls, trips to Rolla and sending cards on special occasions.

"The qualities that truly reveal how

great my parents are, are found in the little things that they do for me," Ben said. "It is through the small acts of thoughtfulness and caring that shows just how important I am to them. My Mom calling me after I took an exam to see how I did really meant a lot to me.

"Driving me back to Rolla at 6:30 a.m. on a Monday, when it would have been more convenient to take me back Sunday evening, shows me how much my Dad cares. Returning on Monday morning gave me a little more time at home. Reading the cards they sent to me reassured me that despite being away, I am still thought of and loved."

Air Force ROTC aims high during summer months

by Deborah Hummel
UMR Air Force ROTC

It is getting to that time of the school year when students are beginning to seriously search for a job, either full-time or for the summer. How would you like to learn how to fly as a summer job?

For some of the Air Force ROTC cadets this is exactly what they get to do. The AFROTC cadets at UMR had a chance to participate in programs from Fairchild Air Force Base (AFB) in Washington to Lakenheath Royal Air Force (RAF) in England this summer.

Cadet Deborah Hummel spent over a week at the Air Force Academy in Colorado Springs, Colorado. She participated in the SOAR program where she learned how to fly a sailplane. Every day she spent two hours on the flight line perfecting her take-offs, landings and other aerial maneuvers. Such maneuvers included stall recoveries, spiral dives and spins.

She followed in the footsteps of Cadet Gina O'Brien, who flew the summer before and who now has been selected as a pilot for the USAF.

In England, Cadet Cathy Vornberg joined in the overseas Professional Development Training Program at Lakenheath RAF. She shadowed a variety of officers from pilots to civil and bioenvironmental engineers. To top it all off she got an incentive ride in an F-15E.

Cadet Katie Compiseno also spent some time this summer with the AF. She was down at Columbus AFB in Mississippi. During her few weeks there she was able to shadow an instructor pilot and even get an incentive ride in a T-37. She also spent over an hour in a flight simulator for the T-38 and T-37.

On the engineering side, Cadets Mike Dinwiddie and Kevin Gustke visited Brooks AFB, Texas and Kirtland AFB, New Mexico, respectively. They got a first hand look at Phillips Lab, where advanced technological experiments are worked on for the Air Force. Such experimental facilities include the Electromagnetic Pulse Facility, the Explosive Ordnance Disposal Squadron and the Starfire Optical Range.

Gustke was fortunate enough to participate with high frequency micro-

wave experiments, which are being developed for war time weapons. Dinwiddie, at Brooks AFB, received a ride in the United States' only Advanced Spatial Disorientation Demonstrator (ASDD). The ASDD is being tested for future use as a method to train pilots to recognize spatial disorientation - the leading killer of pilots in the military.

He also saw the Hyperbaric Chamber NASA uses to simulate the conditions on Mars, and the centrifuge used to train both Air Force pilots and NASA astronauts.

At Fairchild AFB, Washington, Cadet Schlueter spent a month participating in an Air Force shadow program. He had the opportunity to interact with a broad spectrum of officers from pilots to intelligence and doctors to security police. His first day he spent in the hip pocket of an intelligence officer being exposed to intelligence recovery and worldwide computer tracking of threats.

Later in his stay he patrolled the flight line and maintained security on base operations with the security po-

see Air Force on page 11

Army ROTC Competes in Ranger Challenge

by Anita Bull
UMR Army ROTC

The Army ROTC program here at UMR offers many challenging activities to the cadets. One activity in particular challenges both the minds and the bodies of a select few, the Ranger Challenge team.

The Ranger Challenge team consists of at least eight cadets. Eight cadets that correspond to the eight soldiers who make up a normal infantry squad. UMR's Ranger Challenge team consisted of 11 cadets: Brice Bicket, team captain, Jenni Nannini, Kirk Junker, Brett "Shaky" Adams, Rebeka Chavis, Anita Bull, Eddie Brown, Louis "Buddy" Bartels, Michael Henry, Jogn Miller and Gabriel Mareno, who is an Air Force ROTC cadet.

These 11 cadets train physically and mentally to compete. These same nine must compete in all events unless

they have been removed from the team due to physical injury.

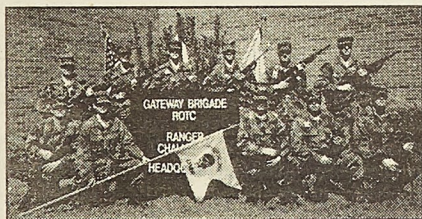
Nine schools competed at the last competition which took place on Octo-

carrying a 20 pound ruck sack, full canteens a dummy M-16A1 rifle. While marching, all cadets must remain within a 25 meter distance of the entire team is penalized.

The day began at approximately 4:30 a.m. with wake-up for an opening ceremony and the start of the competition. The UMR Ranger Challenge team first completed the APFT along with the other eight schools around 9:30 that morning. The UMR team then proceeded to the written exam.

Following the exam came the grenade assault course, weapons assembly/disassembly, and the one rope bridge. The 10K forced road march came last at around 2 p.m. with temperatures in the 90's.

The competition ranked as follows: SMSU, first; Truman, second; Lincoln, third; UMC, fourth; UMR, fifth; CMSU, sixth; MWSC, seventh; Kemper, eighth and Wenworth, ninth.



Opinions

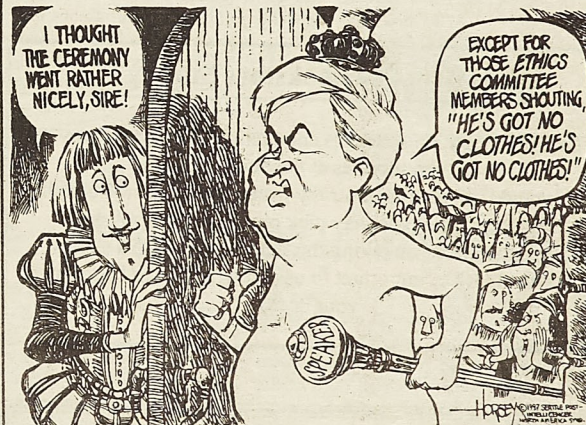
Twelve Mil? That's a lot of money!

an editorial by Managing Editor Justin Ferguson

Twelve million dollars for renovations to the University Center... money well spent? Not in my opinion. Twelve million dollars is a lot of money, money that could be better spent on a lot of things... more books for our sadly understocked (although also being renovated, a decision I do agree with) library, or perhaps some more upgrades to the overworked campus computing facilities, or even a revolutionary concept like building a parking garage for the campus to remedy the lack of parking on the campus.

How are these investments of the school's (and the student body's) finances different than the decision to renovate the University Center? These investments would (directly or indirectly) be investments in the quality of the education, or the accessibility of the education offered at the University of Missouri - Rolla. Sure, the renovations of the University Center were sold to the students as providing a better place to study, but to me it seems as if there are plenty of places to study on the campus (unlike places to park), and that the University Center is already being used as a place to study by those who are going to use it as a place to study.

Certainly renovations to the University Center is an expenditure that will be accessible by all students, but is a renovation that could be used by anyone as useful as a renovation that will be used by many students? To me it seems to make more sense to spend students' fees on a renovation that could save most students some work (or money) (or both) in the long run, be it saving us the time and trouble of driving to Columbia or requesting books through Inter-Library Loan to research a paper topic that our library doesn't cover, or saving students who commute to campus some of the cost of outrageously-priced parking stickers. Making our education more accessible seems like it should be the university's prime directive.



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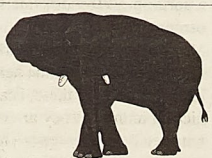
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Announcement:

Due to student demand, the Center for Writing Technologies will be extending its hours.

Beginning Monday, November 10, the hours will be Monday 11:30-9:00, Tuesday 11:30-4:30, Wednesday 11:30-9:00, Thursday 11:30-9:00, and Friday 11:30-4:30.

Tutors will be available during those hours.

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LAB MONITORS WANTED!

Computing Services will be hiring lab monitors for the Spring 1998 semester. Qualifications include a general knowledge of Windows (3.X and 95), UNIX, and Macintosh Operating Systems. Additional training will be provided at the beginning of and during the semester. Duties include monitoring CLCs in M/CS 104, 108, 207, 206, and 213, as well as answering both walk-in and phone-in questions.

Lab Monitors should expect to work anywhere from 6-16 hours a week, depending on the number of classes they have and the number of hours they want to work. Shifts range from 1-5 hours, and are available at all times of the day and night.

Interested parties should fill out the online application found on the HelpDesk Home Page, just click on the Job Opportunities link. Applications will be accepted until November 25, 1997.

University Bookstore Survey

The University Bookstore is conducting a student survey on the services at the bookstore.

If you do not receive a survey from your Student Council representative, you may pick one up at the bookstore.

We appreciate you taking the time to fill out this survey. Your feedback is important to us and will help us better meet your needs.

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Classified Ads are free for students and may be submitted to the Miner at 103B Norwood Hall, or via e-mail at miner@UMR.edu.

Verve

The importance of a crayon to a growing child

by Nick Skupnik, G.I.T.

Verve Writer

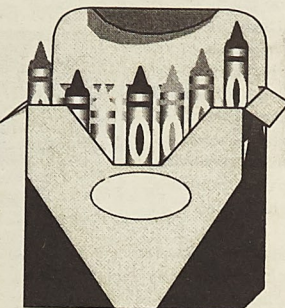
Colors. What would we do without colors? I'll tell you one thing, the world would be a lot more dull. How drab this life would be without colors! Colors are great to be perceived through our senses (most especially sight). But not only that, through the use of colors, we can create. We can make art.

That is why crayons are so important. Ever since we were little kids, we have used crayons. Once we learned to imitate letters, we wrote - with a crayon. We loved to see the colors... so many beautiful colors. It pleases us even more to find out that we can create those colors. Just think... don't you remember when you got your first box of crayons? Don't you remember how

happy that made you? When I received my first box of crayons, I felt that I was the king of the world. Right away, I went to my new coloring book, and beautified the pages. That wasn't enough - oh no! Then I had to see what else I could beautify. First, I grabbed my dad's newspaper, then my mom's magazine, then the tablecloth, and then I saw what really needed my artistic touch - the dining room walls. Even though the last one didn't receive as favorable a response, I still loved my crayons.

Crayons were great. Crayons are great. Without crayons, imagine how under-developed and primitive we'd be. I probably would not have learned to write as quickly without crayons. Creating words with crayons (writing) was part of the fun! I also would be a lot less creative. When I pick up a crayon,

inspirational artistic urges surge through my body. When I pick up a crayon, I



make art. My art - although not always of the best quality - is definitely of the best originality. It is definitely my own work - of which I am proud. I know that

everyone's a critic and that you can't satisfy everyone all of the time, but I can please myself by adding a touch of color.

When I am feeling down right rotten, then there's something I've forgotten. I just grab a box of crayons, a coloring book (or sometimes just a blank piece of paper), and create. By adding a few touches of green here, a few splashes of red there, a little blue here and just a bit of yellow over there, I can create the nicest pictures. They are not Picassos but they definitely are made with all of the major ingredients - which makes them priceless (to me).

Here's my recipe: First, you get the picture and the crayons. Then, add colors so it comes out a nice healthy-looking blend (just eyeball it). After that, add a little more color. Fine tune it - fix the edges, touch up the streaks,

finish the blends. Then, you add the two most important ingredients - a genuine smile and a little love. Remember, the final ingredient is love. That last one is very important. Sometimes it helps to think back when you were a child (and remember the love). Then, wall-ah! A masterpiece! Also, remember, these are better off shared. This recipe serves any number of guests.

So, whenever you're feeling down in the dumps, grab a few crayons and create. The only trick is remembering the love. A lot of times, it comes with the smile. I recommend the Crayola 64 crayon box with built-in sharpener. It sure comes in handy when you're trying to brighten someone's day (figuratively as well as literally). So, next time you get these urges, remember the importance of a crayon.

THE MINER MUSIC REVIEW: GRETCHEN MEMBER UPDATE

by Jimbob

Music Reviewer

I'm dying here folks! It's just a few weeks till Thanksgiving and then another couple weeks till the semester is over. This is REALLY scary for those that are starting to cram for the last run of tests and soon to be horrid finals. Anyway, I am just going to take a deep breath and hope for the best, do my usual studying and make an extra special effort to get 100% on everything. Now for those that didn't think I was open on reviews, I have done quite a bit this semester. I hit the techno, rap, rock, blues, folk labels, so I can honestly say that it's been a successful section so far this semester. I am still looking for people to write some reviews, so anyone that is interested...please speak up, e-mail or show up at the Miner meetings on Thursday at 4:30 p.m. in 103a Norwood Hall.

Anyone watch the VH-1 fashion awards? What did Courtney Love do to herself? She looks better, yeah, she seems to have a new personality...yeah, but I think once you have an image, don't try to be something you're not. All this "I know I am beautiful now, it was my immature stage" crap makes me sick. As for Fionna Apple, she looked pretty good with her Joan Osbourne hair, and those blue eyes, but for a live show, at least from what I watched...she doesn't cut it. I just hit the mute button and watched her sing. I guess I am just a critic that thinks that people should sound like they do on their CDs. If they don't, then they are way too produced and better stick to records and no touring. As for the Rolling Stones, I will admit their music is influential throughout the years of rock, but man, these guys are WAY TOO OLD!! Just CALL IT QUIT!! On that note, I will move on to the reviews before I have an aneurism. -- Jimbob

Gretchen update: What are they doing now???

Okay folks, it's been a while since anyone has heard from them. Their last show was June 13 at the Open Hand and since then, it seems they have fallen off the face of the Earth. Well, since I know the guys pretty well, I figured I would enlighten the rest of the Gretchen-ites with what's been happening.

Gus Rechten, the bassist, had migrated to Yale to get his master's in theology. He has made the Dean's List...kudos for him...and has been working on writing music in his free time.

Jason Adams, the lead guitarist, has been keeping himself beyond busy with the running of his antique store and guitar lessons with students from Woolf's Music.

Kevin Williams, the man with the keys, has been working hard at Patty's Bookstore and has been doing quite a bit of writing, songs and poetry to name a few. He still can be seen barhopping from time to time at Jimmy's and Bruno's.

John Correy, a.k.a. Bob-a-lou, is in Columbia working on his degree in medicine. He plans to be a doctor...so all you ladies looking, he is still single and may need a surgical assistant.

Alex Turkovich, drummer and rhythm man, is still attending school and giving lessons. He has a new girlfriend last I heard and is pretty happy.

Last, but not least, is Michael Culkins, front man and lead vocalist. He is doing pretty well. He is a manager at one of the local eating establishments and spends quite a bit of his time socializing at clubs and bars.

The newest info I can release without causing a riot, or getting my ass handed to me by the guys



is that Mike, Jason, Kevin and Alex have been talking and been getting together secretly to work on material that they originally wrote back when Gretchen was only three members (Mike, Jason and Kevin.) They planned on taking more of a raw

sound, more droned, almost trancing method but still play stuff that is upbeat and pure soul. This is an almost Morphine approach, but can't really be described as anything but original. I know from listening that it's pretty cool and can't wait till they get themselves together and start playing, if they decide on working on this project.

Last, but not least, on rumors of the band: there is a possibility that when Gus and John come back from school, the band might get together a

couple more times...but that isn't written in stone.

CD Releases:

Judas Priest - Jugulator
Ozzy Osbourne - The Ozzman Cometh 11/11
Sublime - Second Hand Smoke 11/18
Metallica - Re-Load 11/18



Rocko's Review: "The Imaginary Invalid"

by Justin Sutherland
Reviewer-at-Large

Before Jerry Seinfeld, Tim Allen or Robin Williams were making people laugh on television and the silver screen, there was the rip-roaring social satire of Moliere.

Moliere was the pseudonym of the French playwright and dramatist Jean-Baptiste Poquelin, whose plays centered around making fun of obsessive behavior and repressive customs. And despite their age of 250 years, they haven't lost a bit of hilarity.

The University Theatre Players will perform Moliere's last play, "The Imaginary Invalid," in Leach Theater on November 6, 7 and 8 at 8 p.m. and November 9 at 2 p.m. Tickets are available at the University Box Office, \$6 for general admission and \$3 for students and patrons 18 years old and under.

It's interesting to note that while performing the title role in "The Imaginary Invalid," Moliere virtually died on stage. King Louis XIV permitted late Moliere to have a burial ceremony in consecrated ground after he was originally denied a Christian burial because he was an actor.

The Take:

Monsieur Argan (Jeff Hansen) is a cantankerous hypochondriac who craves constant medical attention. To satisfy his own desire for this attention, he is determined to marry his beautiful daughter, Angelique (Kate Carter), to

the Thomas Deaforus (Adam Lowry), a bespectacled young medical student.

Angelique's heart, though, belongs to the handsome Cleante (Jay Stone). She is determined, with the help of her uncle, Beralde (Shawn Maloney), and servant, Toinette (P.J. Cala), to find a way out of her father's marriage arrangement so she can devote her life and love to Cleante.

Argan's wife and Angelique's stepmother, Beline (Sandi Smith), has other plans for Angelique, Argan's younger daughter, Louise (Jamie Layton), and Argan's money. Beline wishes to eliminate Angelique and Louise's claim to their father's property by sending them to a convent and having Argan draw up a new will to favor herself.

All the while, Beralde and Toinette are working to expose Beline's greed and remind Argan of his daughters' devotion.

Rocko's Two Cents:

I was able to catch a rehearsal of the play and it left me rolling on the floor (metaphorically speaking, of course). And given that this was an unfinished product, I can't wait to witness the mirth and frivolity that will ensue during the regular performance.

The play is full of sly and clever wit and insults from each of the characters. Much of the fun, also, comes from the highly animated antics of the main characters. I urge you not to miss "The Imaginary Invalid." It's well worth your time, money and laughter.

Flower Power: There's no need for explanation

by **Daisie H.M. Hobson**
Verve Writer

"Never retract, never explain, never apologize...get the thing done and let them howl!" —Nellie McClery

Aooooo! That's how I've been feeling lately. I would like to thank all of my followers for yelling at me for not writing last week. The pressure got to me and I folded like a cardboard box in the wind. Sorry, I was too busy trying to pass my classes. I should have known better! I let the school down...oh the guilt! Anyway, it is good to be back and I am trying to stay positive about the whole school thing.

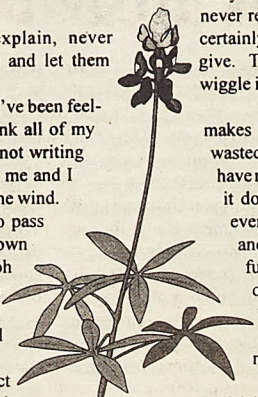
I think this quote is a perfect description of engineers. We solve the problem by any means necessary and then let the other people try to figure out what we did. I use that same method everyday. I just do what I have

to do and move on. Professors also use this method.

They never fully explain the problem, they never retract a mistake they make and they certainly don't apologize for the grades they give. They just give it to us and watch us wiggle in our seats.

If you think about it, this quote makes perfect sense. Too much time is wasted on worrying about things you really have no control over. Just move ahead. Get it done! Well, mid-terms are over and everyone survived. So reward yourself and have a piece of chocolate! In the future, take control and move on. Just do what you have to do without burning bridges. Don't make someone mad who you might need later as a reference.

I hope everyone had a safe and goulash holiday. I think the EIT forgot to take off its mask because it scared the life out of me this weekend. Have a good week! I wish everyone lots of love, peace and graduation!



UMR Fall Film Festival "Breaking the Waves"

Next week's fall film is "Breaking the Waves." This film stars Emily Watson, is directed by Lars Von Trier and is rated R. "Breaking the Waves" is a soaring story of love and devotion, sacrifice and miracles set in a remote coastal village in Northern Scotland in the 1970s. Extraordinarily intense and fiercely

emotional, "Breaking the Waves" won the Grand Prix at the Cannes Film Festival in 1997. Erotic, spiritual, magical and haunting, "Breaking the Waves" defines the expression "cutting edge cinema." This film is free and will be screened on November 11 in Leach Theatre of Castleman Hall.



A scene from "Breaking the Waves."

Photo courtesy of Performing Arts

Concert Update: All shows are in St. Louis unless otherwise noted. Courtesy of Jimbob.

11/6	Moriskey @ American	Entombed @ Galaxy	
	Veruca Salt @ American	11/19	Puff Daddy & Family @ Kiel Center
11/7	Soup Kitchen - Modern Rock @ The Coffee		Johnathon Butler @ Mississippi Nights
	Grind - Rolla	11/21	Ricky Skaggs @ The Sheldon Theatre
	Pat Metheny Group @ American	11/22	The Indigo Girls @ The Fox Theatre
	Superball! One of Rolla's finest! @ Down Under		Smashmouth @ The Galaxy
	- Columbia MO	11/23	The Toadies @ The Galaxy
11/8	U2 @ Trans World Dome	11/26	The Cramps @ Mississippi Nights
	Big Head Todd and the Monsters @ Mississippi	11/28	Stir @ American Theatre
11/9	Tribute to Oliver Sain @ Mississippi Nights	11/29	Mannheim Steamroller @ Kiel Center
	Primus, Limp Bizkit, Powerman 5k @ American	11/30	Fiona Apple @ American Theatre
11/11	G-Love w/ Special Sauce @ Mississippi Nights	12/4	Atari Teenage Riot @ The Galaxy
	Bob Dylan @ Fox Theatre	12/5	Amy Grant, Cece Winans, Michael W. Smith @ Kiel Center
11/12	Mike Watt @ Side Door		Soup Kitchen - Acoustic Rock Covers @
	Overkill @ Galaxy	12/5	The Coffee Grind - Rolla
	Genesis @ Fox Theatre	12/8	EC8OR @ The Galaxy
	Paula Cole @ Mississippi Nights	12/10	The Deftones @ Mississippi Nights
11/13	Todd Rundgren @ Mississippi Nights	12/11	The Rolling Stone @ Trans World Dome
11/15	Rose Colored Glasses - Acoustic Femme	12/12	Everspinning Real @ Rockin' R' - St. Robert
	Fatales @ The Coffee Grind - Rolla	12/22	The Urge @ Mississippi Nights
11/17	Acetone @ The Galaxy	12/25	NIL-8 @ Mississippi Nights
	Fleetwood Mac @ Kiel Center		

SUBCONSCIOUS

ADAM SANDLER COMING SOON

by **Diana Alt**
SUB

November offers many great Student Union Board activities to the campus. Upcoming Student Union Board movies include "Private Parts" on November 7 and 8 and "The Fifth Element" on November 14 and 15, with all showings at 7 and 9 p.m. in ME 104.

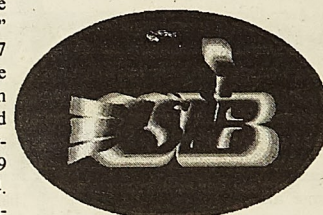
On November 11, the Variety Committee is sponsoring a show by hypnotist Fred Winters in the UCE cafeteria.

Finally, on November 19, at 7:30

p.m., SUB is sponsoring "An Evening with Adam Sandler" in the Gale-Bullman Multipurpose Building.

There is still a very limited amount of \$12 students tickets available, and public tickets are \$15. Student tickets may be purchased at the UC ticket window and you may get two per student ID. Public tickets are available at the UC ticket window as well as Adventuretime Video.

As always, if you have questions about any Student Union Board event or are interested in joining a SUB committee, feel free to stop by our office, 218 UCW, at any time.



Irish Times: Green is a good color

by **Daniel McCulley, Jr.**
St. Pat's Committee

I've been out on campus a lot this semester and I've noticed that this year, unlike past years, there is a shortage of green worn on Fridays. Fridays, after all, are designated days for the entire campus to show their spirit by wearing St. Pat's sweatshirts. If you are in need of a sweatshirt for Friday, just stop by the puck and we can remedy that in no time. So everyone wear your green, especially Joanne and Erin.

In last week's, article I talked about baby reps. Although there will be many people interested in joining, it takes a special kind of person to be a St. Pat's rep. He or she must be hard working and

outgoing, someone who you would be proud to have representing your organization and someone who would represent the quality of your organization by excelling as a St. Pat's rep. Interviews are next January so you should start deciding who they are going to be and get their names to Jasyn Randazzo at Lambda Chi Alpha or at randazzo@umr.edu.

Remember float sign-ups are this weekend at Alpha Epsilon Pi starting at 3 p.m. on Friday Nov. 7. For more info contact Pat Roth at roth@umr.edu or at Tau Kappa Epsilon 341-8115.

So start working on your Float and Cudgel because time is running out, there are only 134 DAZE left 'til the 90th annual Best Ever St. Pat's Celebration.

TECHnicalities: Looking to hire new members

by **Jenny Lynn Devereux**
UMR TECHS

UMR TECHS (Teaching, Encouraging, Caring and Helping Students) is currently hiring new members. TECHS is a group of students who provide interactive programs for students on issues such as stress management, low-risk alcohol use and sexual responsibility. TECHS strives to provide students with information on the many out-of-class concerns students often have so that they can make informed decisions. They also assist with events such as IMPACT Month (Intelligent Miners Promoting Alcohol Concern Together) and the annual Wellness Bash.

Most recently TECHS sponsored Hot Shots '97 at the Student Recreation Center.

Being a member of TECHS has many benefits. Students improve their communication and public speaking skills, gain leadership experience and have fun. They also become experienced at putting interactive, informative programs together. TECHS are paid for their work.

Applications may be picked up at Student Health or 106 Norwood Hall. Applications are due by November 21. For more information about TECHS, please call the Wellness Office in Student Health at 341-4225.

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Sports

Soccer to play last game

by Todd Monroe
Staff Writer

The University of Missouri-Rolla men's soccer team takes the field for their final game of the season tonight versus Washington University in St. Louis. Gametime is slated for 7:30 p.m. The men currently hold joint custody of the conference title.

The men are coming off of a Wednesday night game versus Truman State, here at home, in which they were defeated 2-1 in overtime.

UMR opened the scoring with a goal by B.J. Stuhlsatz 15 minutes into the competition, assisted by Chris Leonard. The Miners held the lead throughout the first half.

Truman countered in the second period when Heine Andersen scored an unassisted goal 88 minutes into the game to force the overtime.

Truman was able to deliver the game winning score when, with 104 minutes gone by, Lee Letourneau put Truman State ahead, assisted by Brian Werner.

Yellow cards were issued to Miners Gevan McCoy and Leonard and to TSU players Jimmy Duran and Scott Meis.

Starting for UMR were John Almeida, Brian Koscielski, Mike Kiefer, Nathan Wojtiekiewicz, Ashley Dupree, Scott Vogelsang, Alan McMahon, Stuhlsatz, Leonard, Matt Long and Kevin Levy.

TSU starters were composed of Mike Enright, Duran, Steve Wilhusen, Andersen, Letourneau, Meis, Matt Barry, Mike Quante, Jeremy Jackson, Chris Rahe and Jon Gohl.

Coach Mark Salisbury said of the game, "We were very close to winning this game. The referee gave the other team a penalty kick with two minutes left, and then Truman won in overtime. If we had finished the chances we had, we could have drove them. We just didn't get it done. One of our captains, Gevan McCoy, he had at least three golden chances that he missed, and I know he didn't have an easy night or day after because he kept thinking about if he had done one or two of the chances we had, we would be having a different conversation. I think Truman is a little over-rated, and it was an important experience for our kids because they know that now they feel that they can beat that team. We had our chances and we didn't finish."

The team had different results on Saturday, November 1, against Lincoln, also here in Rolla. UMR racked up 12 goals to Lincoln's one for the victory.

Five goals for UMR came in the

first half. The first was a goal by Stuhlsatz five minutes into the contest with a head ball, assisted by Jon Kwantes and McCoy. The second came when McCoy knocked one in from 15 yards out, assisted by Kiefer. Wojtiekiewicz scored the third assisted by Joe Young. The fourth goal came from Kiefer off of a steal and assist by Wojtiekiewicz. John Almeida closed the first half with a goal assisted by McCoy.

The second half was more of the same. Matt Long converted a goal with an assist by Greg Naslund at the 56 minute mark from 10 yards out, followed by a goal from Kiefer, assisted by McCoy. Kiefer assisted a goal from McMahon at a distance of about 8 yards. LU scored their only goal of the game at the 69 minute mark when Mark Steward converted a free kick. Stuhlsatz scored two more

goals with right around 70 minutes past, one assisted by Wojtiekiewicz, and the other unassisted. Wojtiekiewicz scored on a wide-open shot, assisted by Stuhlsatz, and Joe Young ended the scoring with an unassisted goal of his own.

Yellow cards were issued to UMR's John Almeida and two LU players.

Starting for UMR were Levy, Almeida, Koscielski, Kiefer, Dupree, McMahon, Stuhlsatz, Leonard, Kwantes, McCoy and Long.

LU starters were made up of James McDevitt, Raymond Thomas, Anthony Roberts, Alfred Okawa, Lonzell Grinnell, Raymond Clarke, Steward, Tyrell, Kornel Brown and Rexroy Scott.

Salisbury said of the game, "We definitely wanted to make a statement. Lincoln struggled a little bit, they are not a real strong team. I know our team wanted to make a statement to the conference, make a statement to Truman, and make a statement to everyone that 'Hey, we deserve to be one of the best teams in the conference, we deserve to be conference champions. We beat Lincoln up pretty good, and I don't think running up a score was really what was going on. At halftime we went over some things that we could do to keep the score down and still continue to play, and when we went out there some of our guys got fouled really hard, and our guys said to heck with that and decided to beat the heck out of them. It was a fun game, and it was good for the seniors to have a big win, and to finish the year as the conference co-champion."



Miner Gevan McCoy works the ball around Lincoln's goalie in the Miners 12-1 victory.

photo by Boyd Niesen

Miner swim team rolls over Washington University, DePauw in double dual

by Brad Neuville
Assistant Sports Editor

The UMR men's swimming team started off the 1997-98 season with a bang on Saturday, sweeping a double dual meet at Washington University in St. Louis. The Miners beat Washington 132-97 and DePauw University of Greencastle, Indiana 136-99 to begin the season with a 2-0 dual meet record.

The Miners took first place in seven of the 11 races in the double dual meet format which pits each team against each other in the same race but scores two separate meets based on times.

"This was a very good meet to open up with," coach Mark Mullin said. "Even though the scores really didn't show it, we were in a lot of very close races. We won most of those races, however, and that is very important. We stress finishing races and for the most part we did that."

The meet began with the 400 yard relay which the Miners won with a time of 3:36.86. Freshman Josh Jolly started the race with a 54.56 second split in the backstroke. He was followed by sophomore Tyler Christensen with a 1:01.56 in the breaststroke, sophomore Steve Caruso with a 52.44 split in the butterfly and sophomore Tom Beccue with a 48.30 in the freestyle.

The next event was the 1,000 yard freestyle in which the Miners took second and third place. Sophomore

David Nurre finished second in 10:25.25 while junior Todd Lundberg was right behind finishing in 10:34.64.

The Miners ended up winning the next five events to essentially secure the victory. In the 200 freestyle the Miners went one, two with Caruso taking first in 1:48.57 and junior Evan Aspinwall following close behind in 1:49.60. Beccue then won a tight 50 yard freestyle race in 22.23 seconds with sophomore Kris Leftwich coming in third in 22.55 seconds.

Next came the 200 yard individual medley which requires a swimmer to swim 50 yards of each of the four strokes. The Miners also went one, two in this event with freshman Eric Carter taking first in 2:03.08 and sophomore Mark Pearce finishing in 2:03.64.

"Eric (Carter) can really help us in a lot of areas this year," Mullin said. "His best stroke is probably the IM (individual medley) but he can also help us in backstroke, too."

The following race was the 200 yard butterfly which was won by Caruso. He blew away the competition, finishing over six seconds ahead of the second place finisher from Washington. The string of consecutive wins was punctuated by a one, two, three finish for UMR in the 100 yard freestyle. Nurre finished first with a time of 48.42 seconds. He was followed by Leftwich in with 49.00 and Beccue with a 49.81.

In the 200 yard backstroke Jolly

and Rieker finished second and third, respectively, behind Andrew Carton of Washington. Jolly touched the wall in 2:02.79 and was followed by Rieker who finished in 2:08.82.

Despite not winning the race, Mullin is encouraged by the Miners' chances in the backstroke this year. "We knew that Josh (Jolly) was very good. He was actually better in high school than Eric Jelinek (last year's top backstroke who graduated). With Josh and Jeff (Rieker) we feel very good about the backstroke."

The next event was the 500 yard freestyle. It was a very close race with Pearce and sophomore Brian Cunningham coming in third and fourth respectively. Pearce touched the wall in 5:05.21 just one second behind second place while Cunningham finished in 5:08.01. Next came the 200 breaststroke in which the Miners went one, two. Christensen finished first in 2:15.90 and was followed by sophomore Bruno Amizic who touched in 2:18.31. In the final meet of the day, the 400 freestyle relay, UMR was disqualified.

"Overall we did I really good job," Mullin said. "I was really happy with our finishes. But we have a lot of improving to do. This team has lofty goals and we will need to improve to reach them."

The Miners will get the chance to move closer toward those lofty goals this weekend as they head to Truman

see Swim on page 11

Swimming Preview

Miner swim team looks to build on eighth at Nationals

by Brad Neuville

Assistant Sports Editor

The University of Missouri-Rolla men's swimming team has high hopes for their upcoming season. And for good reason. The Miners, coming off their fourth first place finish at the Mideast regional in five years and an eighth place finish at nationals, return almost all of last year's top contributors and add several new promising members to this year's team.

The Miners should once again be strong in the freestyle events. In the 50 yard and 100 yard freestyle, UMR returns senior Randy Jones and sophomore Kris Leftwich, each of whom swam under 22 seconds in the 50 yard and under 48 seconds in the 100 yard. Tom Beccue, a member of last year's nationals team adds excellent depth to the freestyle sprint position. Beccue also went under the 22 second and 48 second marks in the 50 and 100 yard freestyles.

In the distance freestyle events the Miners return sophomore David Nurre who, as only a freshman, was one of the top distance swimmers in the country last year. Nurre's times in the 200, 400, 800, 1000 and 1,650 yard were each among the top 15 in the nation. In fact, Nurre's time of 1:42.66 in the 200 yard freestyle broke the longest standing swimming record at UMR. Nurre is not without team support, however, as junior Todd Lundberg consistently pushed Nurre in the distance events and actually had a better time in the 1000 yard freestyle last year at 10:03.21. Brian Cunningham and Brian Rueschhoff, two returning letterwinners, should add depth to this position as well.

"I think our overall team strength comes from the fact that we have a fairly balanced team," head coach Mark Mullin said. "It may be weighted a bit toward the freestyle events, but we are covered in all of our strokes. I feel good about our chances to qualify several members of this team for nationals."

Mullin's words are backed up by the numbers in the stroke events. In the breaststroke UMR returns sophomore Bruno Amizic who was among the top 20 in the nation as a freshman last year in both the 100 and 200 yard breaststroke with times of 59.83 and 2:09.62, respectively. Tyler Christensen, coming off of a two year mission to the Ukraine, was the 1995 team's top breaststroker and should contribute nicely this year.

The Miners had another big freshman contributor last year in Steve Caruso who specialized in the butterfly. Caruso peaked at the end of last year, swimming his best races at the NCAA Division II Nationals. He recorded a time of 51.62 in the 100 yard butterfly and a 1:53.92 in the 200 yard butterfly.

In the backstroke junior Jeff Rieker, who lead the team in both the 100 yard and 200 yard distances last year, is back and should once again lead the team. His time of 1:58.47 in the 200 yard backstroke was the 20th fastest time in the nation last year. Eric Jelinek and John Mikrut both extinguished their eligibility last year so the Miners will have to look elsewhere for depth at the backstroke. This help may come from freshmen Josh Jolley and Eric Carter, both of whom are promising backstrokers.

If there is a small kink in the armor on the team it would prob-

see Miners on page 11

M-Club Athlete

Matt Brueckner

This Week's Athlete of the week is sophomore football quarterback Matt Brueckner. Brueckner was awarded athlete of the week for his performance in the Miners' win over Mo. Western



of the week

Miner Match-up



UMR Miners at Truman State

Site: Kirksville, Mo.

Date: Friday and Saturday, Nov. 8th and 9th, 1997

Time: 5 p.m. CDT Friday (begins)

Opponents: Truman State, South Dakota, Indianapolis



Swimmers To Watch

UMR: David Nurre (1st and 2nd place finishes), Steve Caruso (2 1st places), Eric Carter (1st and 2 fourth places), Josh Jolly (2nd), Kris Leftwich (2nd and 3rd) and Tom Beccue (1st and 3rd places)

Lady Miners finish season against SIU-Edwardsville at home on Sunday

by Todd Monroe

Staff Writer

The University of Missouri-Rolla women's soccer team engages in its last contest of the season Sunday, November 9, at home, versus SIU-Edwardsville. Gametime is scheduled for 1 p.m. The Lady Miners have set many records this year according to Coach Mark Salisbury, and need to receive some more fan support. Salisbury said that if UMR wins the game, the women could have a chance of reaching the tournament.

The Rolla team is coming off of

two games this past week against, first, Truman State, and then Bellarmine.

Wednesday, October 29, the Lady Miners hosted the team from Truman State, in a game regarded to be the biggest of the year for UMR, ranked 22nd in Division II heading into the game. The women suffered a 1-0 double-overtime loss. The lone, decisive goal of the game came 111 minutes into the battle, when Truman State's Kim Mannion scored from 15 yards out, with an assist from Beckey Sparks.

Starting the game for UMR were Jen Splaingard, Kim Hydeman, Tami Bowman, Sara Rudy, Natalie Sanders,

Amber Fischer, Lori Douglas, Denise McMillan, Connie Meyers, Lizz Szkrybalo and Michelle Johnson. Truman State started Jill Harlan, Stephanie Toczylowski, Sparks, Nicole Taylor, Jocelyn Parisi, Carie Toczylowski, Jill Benson, Mannion, Sarah Waters, Brooke Stephens and Jenny Miller.

Coach Salisbury said, "Wednesday was disappointing, we played well enough to win. Soccer is one of those games where sometimes things don't work out the way you planned. It is the

see Lady Miners on page 11

Miner football loses to MSSC; Will face Emporia State's formidable offense

by Jonathan Erdman

Sports Editor

The University of Missouri-Rolla Miner Football Team will face the Emporia State Hornets Sat. Nov. 8 at Jackling field in Rolla at 1 p.m. The Miners are coming off a 35-3 loss to Missouri Southern State College.

The Miners last encounter with the Hornets in 1996 resulted in a 52-20 loss for UMR. Coach Jim Anderson believes that the Miners will need to step up their offensive and defensive game to fight the Hornets. The Miners will need to keep the Emporia State offense off the field as much as possible. As of Oct. 31, the Hornets averaged 250.2 rushing yards per game and 266.2 passing yards per game for a total of 516.4 total yards compared to UMR's 129.3 rushing and 119.4 passing for a total of 248.7 average offensive yards per game.

The Miners lost to MSSC Sat. Nov. 1. The majority of the Lions points were scored during the first quarter. UMR had first possession of the ball after kickoff at the UMR 35. The Lions gained possession on UMR's second play, when Miner Matt Brueckner fumbled on the UMR 32, and Missouri Southern's Shad Burns recovered at the UMR 27.

Missouri Southern then began to pound the UMR defense, scoring 28 points in the first quarter. UMR held the Lions to no score in the second quarter. MSSC's final touchdown was scored in the third quarter on a 19 yard rush by Lion Wallace Clay. UMR scored its only three points of the game with a field goal by Brandon Risner early in the fourth quarter. The game remained scoreless afterwards for a final score of 35-3.

Miner Match-up



Emporia State at UMR Miners



Site: Jackling Field
Date: Nov. 8, 1997
Time: 1 p.m. CDT



1997 Record
UMR: 2-7
Emporia St.: 6-3

Players To Watch

UMR: Offense- Matt Brueckner (QB), Elliot Jackson (WR), Jason Wagoner (TB)
Defense- Brian Lewis (DL), Jeff Fulks (DB)

Miner Scores & Stats

Women's Soccer

Wednesday
Truman State - 1
UMR - 0

Saturday
UMR - 1
Bellarmino - 0

Swimming

Washington University Double Dual

UMR - 132
Washington University - 97

UMR - 136
DePauw (Ind.) - 99

Men's Soccer

Wednesday
Truman State - 2
UMR - 1

Saturday
UMR - 12
Lincoln - 1

Miner Football

Miners (2-7, 1-6) vs. Missouri Southern Lions (5-3, 4-3)
 November 1, 1997 at Fred G. Hughes Stadium, Joplin, Missouri

Missouri-Rolla 0 0 0 3 -- 3
 Mo. Southern 28 0 7 0 -- 35

First Quarter

MSSC--Wallace Clay 5 yd. run, Caleb Lewis kick (13:56)

MSSC--Tyson Sims 20 yd. pass from Brad Cornelsen, Lewis kick (8:58)

MSSC--Justin Taylor 6 yd. run, Lewis kick (4:40)

MSSC--Cornelsen 46 yd. run, Lewis kick (1:00)

Second Quarter

No scoring.

Third Quarter

MSSC--Clay 19 yd. run, Lewis kick (4:34)

Fourth Quarter

UMR--Brandon Risner 30 yd. field goal (14:06)

Team Statistics

	UMR	MSSC
First Downs	11	24
Rushes-Yards	46-103	43-289
Passing Yards	15	106
Passes-Att-Comp-Int	12-2-1	20-11-1
Total Yards	118	395
Punts-Average	8-31.5	4-37.8
Fumbles-Lost	4-1	3-2
Time of Possession	32:35	27:25

Rushing: UMR--Ed Starks 6-42, William Feickert 8-25, Matt Brueckner 13-22, Jason Wagoner 4-18, Elliot Jackson 8-14, Brad Clarke 2-2, David McCormack 5-(-20).

MSSC: Wallace Clay 14-121, Brad Cornelsen 9-97, Justin Taylor 8-45, Lydell Williams 2-16, Mac Whitehead 5-12, Mark Lloyd 1-2, Tony Colenburg 2-1, Andy Anderson 2-(-5).

Passing: UMR--David McCormack 6-2-1-15, Matt Brueckner 6-0-0-0. MSSC--Brad Cornelsen 18-11-1-106, Andy Anderson 2-0-0-0.

Receiving: UMR--Mark Smith 1-10, Elliot Jackson 1-5. MSSC--Carnell Matthews 4-18, Tyson Sims 2-30, Brad Hocker 2-24, Justin Taylor 2-(-2), Wallace Clay 1-6.

UMR Tackle Leaders: Bryan Lewis 11, Richard Crowe 8, Dean DeSherlia 7.

UMR Interceptions: Bobby Barton 1-0.

Attendance: 5,105

Weather: Sunny, 62 degrees.

Statistics courtesy of UMR Sports information

Comics

DAVE by David Miller



MINER ADJUSTMENTS

By C. James



That's Jake



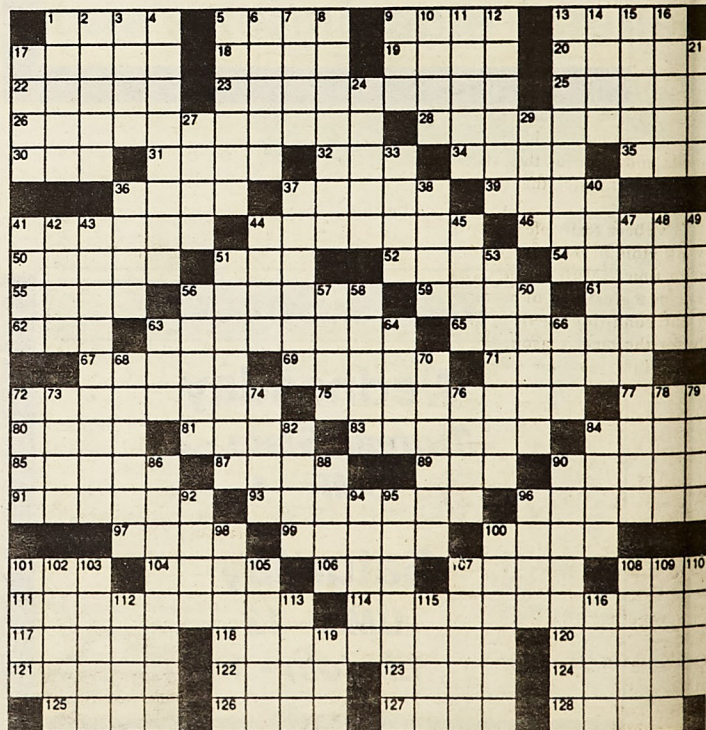
'Now here's an old shirt. The washing instructions say "Beat gently against rocks in stream, hang in trees to dry. Beware of Indians.''

Diversions

Super Crossword

ACROSS

- 1 Nag, nag, nag
- 5 D'Urberville lass
- 9 Go to the mall
- 13 Engrave with acid
- 17 Island group north of Tonga
- 18 Native American
- 19 Gypsy
- 20 Set's forte
- 22 Pindar, for one
- 23 River flowing to Hudson Bay
- 25 Valuable dark wood
- 26 Huckleberry Finn's river
- 28 U.S.-Mexico border river
- 30 Bat wood
- 31 TV soap star
- 32 Guido's highest note
- 34 Relic
- 35 Dangerous curve
- 36 Presently
- 37 Game bird of the marshes
- 39 Pet of Nick and Nora
- 41 Recognizes as valid
- 44 Selects for special duty
- 46 Work
- 50 Investigative clues
- 51 Round or mount starter
- 52 Word of woe
- 54 Winter forecast
- 55 Cooking spice
- 56 Branching
- 59 American author/critic
- 61 Christie or Karenina
- 62 It landed on
- 63 Washington crossed it
- 65 Long river in Georgia
- 67 — Gay; historic plane
- 69 Contemptible person
- 71 Nick of Hollywood
- 72 Unobstructed view
- 75 River to the Ohio
- 77 Mrs. in Madrid
- 80 Cutting tool
- 81 Canine cries
- 83 Construction serviceman
- 84 Russian despot
- 85 Bonnie of songdom
- 87 Wife of Siva
- 89 Footlike organ
- 90 Lakes or
- 91 Not ours
- 93 Regain one's health
- 96 Engenders
- 97 Meadow munchers
- 99 DDE's home state
- 100 Dry, as wine
- 101 Political incumbents
- 104 Muni or McCartney
- 106 Capitol VIP
- 107 Lotion ingredient
- 108 Chew the fat
- 111 Alabama river
- 114 Missouri River feeder
- 117 Uncomplaining one
- 118 River rising in Big Stone Lake
- 120 Being in debt
- 121 Sicilian
- 122 Potent or volcano: var.
- 123 Attack the fly
- 124 Rich sources
- 125 Blind
- 126 — Hamilton Woman* (1941 movie)
- 127 Sale condition
- 128 Cake ingredients
- 129 — Hamilton Woman* (1941 movie)
- 130 Swells with fluid
- 101 "— girl"
- 102 Observes
- 103 Struck heavily
- 105 The original "Scarlett"
- 107 Asian mountain system
- 108 "— My Way"
- 109 Baxter and Bancroft
- 110 Asks for charity
- 112 Twining stem
- 113 Sicilian tourist town
- 115 Makes meadow sounds
- 116 Small branch
- 119 — picker (overly fussy one)
- 40 Obliquely
- 41 — mater
- 42 Beloved
- 43 River rising in Great Slave Lake
- 44 Russian council
- 45 Droops in the middle
- 47 River feeding the Ohio
- 48 Chantreuse
- 49 Greenland settlement
- 51 Highly seasoned sausages
- 53 Medium's sessions
- 56 Kind of race
- 57 Siamese measure
- 58 Lake, port and canal
- 60 Call forth
- 63 June beetle
- 64 Nine: comb. form
- 66 Like a pub drink
- 68 Existing in the intellect
- 70 Public warehouses
- 72 Actor's portion?
- 73 Esau's wife
- 74 On — (equivalent to)
- 76 Above, in Aachen
- 78 Electric
- 79 Part of B.A.
- 82 Proofreader's mark
- 84 Weight allowance
- 86 Sultury
- 88 Cooling desserts
- 90 Repulsive
- 92 Stolen goods
- 94 Kind of daisy
- 95 Redgrave of the theater
- 96 Forehead
- 98 Put forward an opinion
- 130 Swells with fluid
- 101 "— girl"
- 102 Observes
- 103 Struck heavily
- 105 The original "Scarlett"
- 107 Asian mountain system
- 108 "— My Way"
- 109 Baxter and Bancroft
- 110 Asks for charity
- 112 Twining stem
- 113 Sicilian tourist town
- 115 Makes meadow sounds
- 116 Small branch
- 119 — picker (overly fussy one)



Arvieux
from page 2

"They've gotten rid of that was lost in the pretty bare," Arvieux are starting to rebuild. According to Arvieux, most needed are children reference books, and Arvieux is nine months after attending Georgia, moved to Roanoke, was transferred to college. Arvieux made a year off to work in the United States. The federal program allowance to people one year of volume.

If you get
you won't
Just

This year, millions will be using TeleFile, a free service and referrals are fast. Check the Department of the Treasury Internal Revenue Service at <http://www.irs.ustrea.gov>

liners
from page 8

be in the individual Linziker, who had in the entire nation of individual medley used his eligibility, part of last year that went to national and Rieker should in the 200 and individual medleys.

Team depth will be in the relay even would be particularly stylish relays, the strength. Last year's team finish in the top 10 and look for to at least match the pace.

"I've been really pleased with the work ethic of our team in time," Mullin made a great deal of our conditioning ready for the meet season right into our with this meet (against W. University on November next weekend at Tr. team is very excited started. They have goals this year and we want."

Look for the Mi to duplicate last year's success again this year. If we can't together just r would be able to improve on our eighth place finish. And with all the swimmer's be in the UMR race for years to come.

Arvieux

from page 2

"They've gotten rid of all the stuff that was lost in the flood, so it's pretty bare," Arvieux said. "They are starting to rebuild from scratch." According to Arvieux, the books most needed are children's books, reference books, and adult fiction.

Arvieux is nineteen years old, and after attending high school in Georgia, moved to Rolla when her father was transferred here. Before going to college, Arvieux decided to take a year off to work with the Americorps Program.

"It's like the Peace Corps, except in the United States," Arvieux said. The federal program awards a living allowance to people who agree to one year of volunteer service.

Arvieux is volunteering 40 hours per week as an assistant teacher of science and math at the St. James Middle School. Specifically, she is working with seventh grade girls. "I'm trying to make these girls believe they can succeed in math and science," Arvieux said.

In addition to her work at the middle school, Arvieux is planning math and science camps for girls. The camps are being planned for next summer in cooperation with UMR. She is also working on a project to paint a house for an elderly couple in Newburg, Missouri. All of this is on top of a part-time job at Waffle House.

After completing her year with Americorps, Arvieux will get \$5000 to help pay for college. She is planning on studying either political science or theater.

Fee Board

from page 1

open to all students. Its the best chance for a non-Student Council member to have a real impact on campus during the school year. Complaints surface from students all the time about where their student activity fee money is going. If you are one of those students, you need to show up on November 11 and let your opinion be known.

2. This is the one chance during the

year when you get to ask questions of or give suggestions to the organizations that get student activity fees and they actually have to listen to you. You can give your opinion about any phase of the organization's operations, questions and comments are not limited to just budgetary items for the organizations.

3. The Fee Board's recommendations are not final. Student Council will vote on them at the Student Council meeting on December 2, so there is plenty of time to make changes if you

show up on November 11 and make your opinion known.

4. You do not have to be an irate and disgruntled student to show up. The open forum is an excellent way to be "in the know" about where your money goes and what improvements these organizations have planned.

The forum will be broadcast on KMNR and the public can call in with questions. If you have any other questions about the fee board recommendations or open forum, you can send email to tombenz@umr.edu.

Ladle

from page 1

was interested in using Riely's longer-lasting design. Through Askeland, Reily connected with William F. Priesmeyer, a 1960 graduate of UMR and the vice president at Excelsior Foundry in Belleville, IL, to mass-produce the ladles for Briggs & Stratton. Priesmeyer works with Askeland and others in UMR's metallurgical engineering department through the Foundry Educational Foundation, an organization that grants scholarships to students. Briggs & Stratton's Rolla plant recognized Reily through its "business improvement team," or BIT. He also has been recognized by the North American Die-Casting Association. The association chapter that covers Missouri and southern Illinois awarded him a \$1,500 scholarship, and in November he will become one of four students in the nation to receive the association's \$2,000 David Lane Scholarship.

Reily notes that Briggs & Stratton encourages employees to come up with new ideas and that suits him just fine. "I'm always looking for ways to improve things," he says.

Air Force

from page 3

lice. He also received an incentive ride from Fairchild AFB, Washington to Roswell, New Mexico on a KC-135 to air refuel a flight of four F-117 stealth fighters.

Michael Schlueter also spent three days with a helicopter pararescue team at the Air Force's survival school. There he went into the field for a day of survival training, spent a day of flight in a UH-1 helicopter doing vectoring pick-ups, and a final day of training for helicopter air-to-ground rescue and lifting.

All of these programs help to give the cadets incite on the real life of an Air Force officer. "I feel that this was probably the biggest and most helpful learning experience of my military career thus far, through my exposure and interaction with top notch military officers!" Michael Schlueter said.

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Department of the Treasury
Internal Revenue Service
<http://www.irs.ustreas.gov>

Miners

from page 8

ably be in the individual medley. Bill Unziker, who had the fastest time in the entire nation in the 400 yard individual medley last year, also used up his eligibility. Mark Pearce, part of last year's contingent that went to nationals, Carter, Jolly and Rieker should vie for the positions in the 200 and 400 yard individual medleys.

Team depth will help the Miners in the relay events. UMR should be particularly strong in the freestyle relays, the team's strength. Last year's team saw five relays finish in the top 11 spots at nationals and look for this year's team to at least match that performance.

"I've been really pleased with the work ethic of our team at this point in time," Mullin said. "We have made a great deal of progress with our conditioning in getting ready for the meet season. We're jumping right into our schedule with this meet (against Washington University on November 1) and then next weekend at Truman, but our team is very excited about getting started. They have set some lofty goals this year and that's what we want."

Look for the Miner swim team to duplicate last year's success again this year. If everything comes together just right they should be able to improve on last season's eighth place finish at nationals. And with almost all of their top swimmers being underclassmen, look for UMR to dominate for years to come.

Lady Miners

from page 8

way it is going to be sometimes, there is always going to be a winner and a loser, and we just came up a little bit short.

"We really dominated the first 80 minutes of the game, we had a lot of shots on goal, and we had one chance real late in the game, at about 85 minutes, to get it in that would have put it away. It was a good chance, but we hit it right at the keeper. From that point on, Truman, being a little bigger and a little more athletic, dominated the game late, especially the overtime, and objectively it was really just a matter of time. They really started creating some problems for us, and we couldn't sustain. We never really got into a rhythm, I know some of it is nerves, we're the new kid on the block, and maybe we needed the experience of getting close and not quite getting there. Both teams had a chance to win and they took advantage of their chances. I'll bet that if we played that game over and over again half of the time we would win and half of the time they would win."

When the topic of attendance was discussed, Salisbury stated that he was disappointed and searching for words in order not to sound too negative, explained that he had hoped for much more fan support during a game of the proportions of the Truman State game. He acknowledged the faithful and said that he understands that the student body has academic commitments, but hopes that in the future more UMR

students will come out and show their support. He said that some added crowd support could have helped the flow of the game for the Lady Miners, and given some additional energy to the team.

UMR came back from their loss to defeat Bellarmine on Saturday, November 1, with a 1-0 score. Alison Hanson scored the solitary goal 54 minutes into the game from 18 yards out, assisted by Sanders. This victory ended a two-game losing streak and lengthened their single-season win total to a record 14 games.

Starting for the Lady Miners were Splaingard, Kelly Thomas, Bowman, Rudy, Sanders, Fischer, Douglas, McMillan, Meyers, Szkrybalo and Johnson. The Bellarmine starters included Diane Dandson, Dawn Geiger, Melissa Bolte, Emily Bryant, Tanya Wheeler, J.J. McGinnis, Brenda Blazer, Jenny Rudolph, Andrea Johnson, Katherine Weiss and Kristina Heard.

Salisbury discussed the game and said, "We kind of came out a little shaken at first, it took us a while to get into a rhythm. Once we did, it was a lot better. We beat them one to zero, but we hit the post a couple of times, and had some chances that were like 'I can't believe you didn't score there' type chances, and we got more dominant as the game wore on. It was a good win, we needed it, and we started to get back to what made us a good team in the first place."

The team's health was reported to be fairly good.

Swim

from page 7

State for two grueling days of swimming. On Friday night UMR will face Truman in a dual meet. Then on Saturday the Miners will swim two separate meets, against South Dakota in the morning and versus Indianapolis, In. in the afternoon.

"This is an excellent meet for us," Mullin said. "There is a lot of events crammed into two days and we are facing three tough opponents in Truman, South Dakota, and Indianapolis. It will also be very beneficial in terms of training since we will be swimming so much."

Look for the Miners team depth to pull through this weekend. The large number of quality swimmers on the team should help offset, at least in part, the fatigue factor.

Olson

from page 2

characterize the exhaust's chemical makeup. But the researchers' instrumentation was not equipped to deal with such a high concentration of particles from the jet exhaust, so Olson designed a method to "dilute" the samples and make it easier for researchers to test them.

"It's a very simple design that's easy to use," Olson said. "It's beauty is in its simplicity. It is reliable, compact and efficient." The process involves using a capillary tube in the filtering system. The researchers most recently used Olson's method during a trip to Ireland, where they investigated the effects of jet exhaust on the atmosphere over the much-traveled North Atlantic flight corridor.

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Employment

Co-Op

Company: Chaparral Steel
Date of Interview: 11/13
Majors: MECH
Minimum GPA: 2.000 Must be Sophomore Junior Senior standing.
Sign-up released 10/29/97
Work Location: Midlothian, Texas
START 1ST CO-OP WORK SESSION JANUARY 1998
AND OF MAY/JUNE 1998 START

Sign-up Method: Open

Company: Dana Spicer Axle
Date of Interview: 11/05, 11/11
Majors: ELEC MECH
Minimum GPA: 2.000 Must be standing.
Sign-up released 10/7/97 Deadline 10/22/97 8am
WORK LOCATION: COLUMBIA, MISSOURI

Sign-up Method: PRS-FCFS

Company: Design Nine Inc.
Date of Interview: 11/11
Majors: CIVL
Minimum GPA: 2.650 Must be Sophomore Junior standing.
Sign-up released 10/21/97 Deadline 10/29/97 8am
Work Location: St. Louis, MO
Start 1st co-op work session January 1998

Sign-up Method: PRS-CLOSED

Company: Detroit Tool
Date of Interview: 11/06
Majors: MECH ELEC
Minimum GPA: 2.000 Must be Sophomore Junior Senior Grad Stu. standing.
Sign-up released 10/27/97
WORK LOCATION: LEBANON, MO
THIS IS THE ENGINEERING DIVISION
2 DIFFERENT DIVISIONS COMING IN - SAME WORK LOCATION
STUDENTS CAN INTERVIEW FOR BOTH DIVISIONS

Sign-up Method: Open

Company: Emerson Motor Tech. Center
Date of Interview: 11/06
Majors: CMPS MECH CER
US/Perm
Minimum GPA: 2.950 Must be Sophomore Junior standing.
Sign-up released 10/21/97 Deadline 10/29/97
Work Location: St. Louis, Missouri
start 1st co-op work session January 1998

Sign-up Method: PRS-CLOSED

Company: Federal Highway Department
Date of Interview: 11/05
Majors: CIVL
Minimum GPA: 2.000 Must be Sophomore Junior Senior standing.
Sign-up released 10/23/97 DEADLINE 11/3/97
WORK LOCATION: JEFFERSON CITY, MISSOURI
START 1ST CO-OP WORK SESSION JANUARY - AUGUST 1998 OR
JUNE - DEC 1998

Sign-up Method: Open

Company: Marathon Oil Company
Date of Interview: 11/12
Majors: CIVL ELEC MECH
US/Perm
Minimum GPA: 2.950 Must be Sophomore Junior standing.
Sign-up released 10/27/97 DEADLINE 11/7/97 HOMEPAGE www.Marathon.com
WORK LOCATION: WYOMING, INDIANA, OHIO, ILLINOIS
SOME MIDWEST LOCATIONS
INFORMATION MEETING 11/11/97 - UCE215 SILVER & GOLD ROOM
6-8PM CASUAL DRESS IS APPROPRIATE AT INFORMATION MEETING
PICK UP PACKET BEFORE INTERVIEW AT CO-OP OFFICE

Sign-up Method: Open

Company: Olin Corporation
Date of Interview: 11/12
Majors: MECH MET CMPS ELEC CER EMAN MGTS
US/Perm
Minimum GPA: 2.650 Must be Sophomore Junior standing.
Sign-up released 9/23/97 Deadline 10/15/97 8am
Work Location: E. Alton, Illinois (close to St. Louis)
1ST WORK CO-OP JANUARY OR MAY 1998
INTERVIEW DATE CHANGED TO 11/12

Sign-up Method: PRS-CLOSED

Company: Praxair
Date of Interview: 11/12
Majors: AERO MECH
Minimum GPA: 2.450 Must be Freshman Sophomore Junior standing.
Sign-up released 10/28/97 Deadline 11/7/97
Work Location: Kansas City, Missouri
Manufacturing Engineering Co-op
Start 1st co-op work session January 1998
INFORMATION MEETING TUESDAY, NOV 11 6-8PM UCE 211 MERAMEC ROOM

Sign-up Method: Open

Company: Systems & Electronics Inc.
Date of Interview: 11/05
Majors: MECH EMAN
Minimum GPA: 2.450 Must be Freshman Sophomore Junior standing.
Sign-up released 10/29/97
Work Location: St. Louis, Missouri or West Plains, Missouri
start 1st co-op work session January 1998
job description will be faxed 10/30

Sign-up Method: Open

Company: Von Weise Gear Company
Date of Interview: 11/07
Majors: MECH
Minimum GPA: 2.000 Must be Sophomore Junior standing.
Sign-up released WILL SELECT FROM RESUMES MAILED
WORK LOCATION: ST. CLAIR, MISSOURI
START 1ST CO-OP WORK SESSION JANUARY 1998

Sign-up Method: PRS-CLOSED

Full-Time

AFG INDUSTRIES
17300 Silcan Drive
Victorville, CA 92392
Attn: Mr. Pete Morse, Human Resources Manager
Degree Level: B M Minimum GPA: 2.450
Majors: CHE CER MECH
Grad Dates: 05/97 12/97
Citizenship: US/Perm
Position Available: Production Supervisor
Position Location: Victorville, CA
OPEN SIGN-UP DATE: November 6, 8:00 a.m.

Method: Open
Interview Date: 11/13

DAXCON, INC.
5607 S. Washington Str
Bartonville, IL 61607
Attn: Mr. Bruce Kohlmeier, Human Resources
Degree Level: B Minimum GPA: 3.000
Majors: MECH
Grad Dates: 12/97 00
Citizenship: US/Perm
Position Available: Information not available
Position Location: Information not available
SCHEDULE SET UP FROM RESUMES COLLECTED AT THE CAREER FAIR.
www.daxcon.com

Method: PRS-FCFS
Interview Date: 11/12, 11/13

JOST CHEMICAL
8130 Lackland Road
St. Louis, MO 63114
Attn: Mr. Jerry Jost, President
Degree Level: B Minimum GPA: 3.000
Majors: CHEM CHE
Grad Dates: 12/97 00
Citizenship:
Position Available: Process Engr; Quality Control Chemist
Position Location: St. Louis, MO
SCHEDULE SET UP FROM RESUMES SENT TO THE COMPANY BY THE COC
www.jostchemical.com

Method: PRS-FCFS
Interview Date: 11/07

LOCKHEED MARTIN
PO Box 8048
Philadelphia, PA 19101
Attn: Ms. Doreen Dwyer, College Recruiting
Degree Level: B M Minimum GPA: 2.750
Majors: CMPS
Grad Dates: 12/97 05/98 07/98
Citizenship: US Only
Position Available: Associate Software Engineer
Position Location: Valley Forge, PA
Deadline for submitting resumes: November 6

Method: PRS-OPEN
Interview Date: 11/18

MARCO SALES
1100 Macklind Avenue
St. Louis, MO 63110
Attn: Mr. J. Arthur McManus, Commercial Sales Manager
Degree Level: B Minimum GPA: 2.300
Majors: ELEC CIVL EMAN MECH AMTH
Grad Dates: 12/97 00
Citizenship: US/Perm
Position Available: Inside Sales Engineer
Position Location: St. Louis, MO
OPEN SIGN-UP DATE: November 6 - 8:00 a.m.
Information on position available in 301 Norwood Hall

Method: Open
Interview Date: 11/13

R.G. BRINKMAN CONSTRUCTION CO.
15450 S Outer Forty Rd
Chesterfield, MO 63017
Attn: Mr. Kent Koenemann, Vice President
Degree Level: B Minimum GPA: 2.000
Majors: CIVL
Grad Dates: 05/97 12/97 05/98 07/98
Position Available: Project Engineer/Construction
Position Location: St. Louis/May Vary by Project
Deadline for submitting resumes: November 3
www.rgbrinkman.com

Method: PRS-OPEN
Interview Date: 11/11

T. LOUIS BRIDGE COMPANY Method: PRS-OPEN
 55 Landmark Drive Interview Date: 11/14
 Arnold, MO 63010
 Attn: Ms. Janet M. Webb, VP Administration
 Degree Level: B Minimum GPA: 2.000
 Majors: CIVL
 Grad Dates: 1297 00
 Citizenship:
 Position Available: Project Engineer
 Position Location: Arnold, MO
 Deadline for submitting resumes: November 3

SYSTEMS & ELECTRONICS Method: Open
 51 Evans Lane Interview Date: 11/05
 St. Louis, MO 63121
 Attn: Mr. Al Kaste, Recruiter
 Degree Level: B Minimum GPA: 2.500
 Majors: MECH EMAN
 Grad Dates: 1297 00
 Citizenship: US/Perm
 Position Available: Engineers
 Position Location: St. Louis, MO
 PEN SIGN-UP DATE: Immediately

U.S. MARINE CORPS Method: Open
 222 Spruce St Suite 1 Interview Date: 11/18
 St. Louis, MO 63103-2817
 Attn: 1st Lt. James P. Sniffen, Marine Corp Recruiting Serv
 Degree Level: B M Minimum GPA: 2.000
 Majors: ENG A&S
 Grad Dates: 0597 1297 0598 0798
 Citizenship: US Only
 Position Available: 2nd Lt USMC Pilots/Ground
 Position Location: East & West Coast of U.S.; Overseas
 PEN SIGN-UP DATE: November 11 - 8:00 a.m.

CANCELLATIONS

AK Steel Company - October 27, 1997 - CANCELLED

Inso Corporation - October 28, 1997 - CANCELLED

Shafer Kline & Warren - Oct 29, 1997 - CANCELLED

Summer

ST. LOUIS BRIDGE COMPANY Method: PRS-OPEN
 655 Landmark Drive Interview Date: 11/14
 Arnold, MO 63010
 Attn: Ms. Janet M. Webb, VP Administration
 Sophomore and Junior Level Minimum GPA: 2.000
 Majors: CIVL
 Citizenship:
 Position Available: Summer Intern
 Position Location: Arnold, MO
 Deadline for submitting resumes: November 3

Financial Aid

URAL MISSOURI, INC.

If you have been employed as farmworker in the past two years, you may be eligible to receive free tuition assistance for your education. If you have worked on a farm, orchard, greenhouse or poultry/egg production employee, you may qualify. To obtain details and the field representative closest to you call 1-800-234-071.

CHRYSLER ANNOUNCES NEW SCHOLARSHIP PROGRAM

With an eye toward assisting outstanding college bound students, Chrysler Corporation recently awarded 1,000 grants to recipients through its new Junior Golf Scholarship Program. Even though the majority of the winners play golf, all selections are made based upon their academic and extracurricular effort. For more information on this exciting program call 1-800-856-64.

DEPARTMENT OF THE ARMY U.S. ARMY HEALTH PROFESSIONAL SUPPORT AGENCY

Let the Army pay your way through Medical, Dental Optometry School, or a Doctoral level degree in Clinical/Research Psychology. Scholarship includes: full tuition, required books, lab fees, required equipment rental, \$865.00 monthly stipend.

FOR MORE INFORMATION ON MY SCHOLARSHIP OPPOR-

TUNITIES CONTACT: CAPTAIN DINO L. MURPHY OR MRS. SHARON MACKENZIE AT 1-800-829-0924.

THE JOHN GYLES EDUCATION FUND SCHOLARSHIP

The John Gyles Education Fund is a private, benevolent endeavor established seven years ago with the help of a Canadian/American benefactor. Each year financial assistance is available to students in both Canada and the United States. Full Canadian or American citizenship is a requirement. Awards are available to both male and female students for all areas of post-secondary study. A minimum GPA of 2.7 is required. Criteria other than strictly academic ability and financial need are considered in the selection process. Selected students will receive up to \$3,000.00. Filing dates for mailing application in 1997 are April 1st, June 15th, November 15th. Applications must be mailed by these dates.

To receive an application please send a stamped *** (US 32 cents), self-addressed, standard letter size (No. 10) envelope to the following address: The John Gyles Education Fund, Attention: R. James Cogle, Administrator, P. O. Box 4808, 712 Riverside Drive, Frederickton, New Brunswick Canada E5B 5G4.

We use international mail services, therefore U.S. postage is acceptable.

KIDS' CHANCE INC. OF MISSOURI

What is Kids' Chance? It is a

nonprofit corporation developed by interested insurers, employers, attorneys, labor, medical and rehabilitation groups. The purpose of Kids' Chance is to provide financial scholarships to complete the education of children of workers who have been seriously injured or killed in Missouri work related injuries.

Which Children are Eligible for the Scholarship? Children who have a parent who was permanently or catastrophically injured or killed in a Missouri compensable injury or occupational disease, and who are Missouri residents between the ages of 16 and 25.

Applications available in the Student Financial Aid Office, G-1 Parker Hall, Rolla, MO 65409-0250 or by calling 1-800-522-0938.

AMERICORPS EDUCATION AWARDS PROGRAM

The AmeriCorps Education Awards Program offers members the standard AmeriCorps education stipend of over \$4,700 for one year of community service, but unlike AmeriCorps USA, it does not provide a living allowance or other benefits.

For information on this program contact the Student Financial Aid Office, G-1 Parker Hall.

CHARLES P. BELL CONSERVATION \$500 SCHOLARSHIPS

QUALIFICATIONS

Applicant must be a Missouri resident. Applicants enrolled in Missouri schools will be given preference.

Applicant must be involved in the management of natural re-

sources, specifically: Fish, Wildlife, Forest, Soil, Water.

Applicants must already have earned at least 60 hours of college credits.

Applications available in the Student Financial Aid Office, G-1 Parker Hall.

Application deadline must be received by: **January 15, 1998.**

PETER D. COURTOIS CONCRETE CONSTRUCTION SCHOLARSHIPS

Two \$1,000 (U.S.) awards are available through the ACI Concrete Research and Education Foundation (ConREF) for undergraduate study in concrete construction for the 1998-99 academic year. The Peter D. Courtois Concrete Construction Scholarship honor the memory of Peter D. Courtois, whose long-term commitment to practical achievements in construction focused on the fields of formwork and tilt-up construction.

REQUIREMENTS:

These awards are open to any undergraduate student in the United States or Canada. The student shall have achieved senior status in a four-year or longer undergraduate program in engineering, construction, or technology during the year for which the awards are presented. The awards will be made on the basis of demonstrated interest and ability to work in the field of concrete construction.

The student must have a course load of 6 or more credit hours each semester during the

period for which the award is made.

The student must be a senior during the year for which the award is made (not necessarily at the time of application).

Transcripts, recommendations, and an essay must be submitted as outlined on the application form. Applications available in the Student Financial Aid Office, G-1 Parker Hall. Application deadline must be received by: **January 15, 1998.**

CONCRETE RESEARCH AND EDUCATIONAL FOUNDATION OF ACI INTERNATIONAL

\$3,000 (U.S.) awards are now available through the ACI International Concrete Research and Education Foundation (ConREF) for graduate study in the field of concrete for the 1998-99 academic year. The awards include the Katharine and Bryant Mather Fellowship, ACI - W.R. Grace Fellowship, V. Mohan Malhorta Fellowship, Stewart C. Watson Fellowship, and ACI Fellowships.

REQUIREMENTS:

These awards are open to any student completing studies toward the bachelor degree or one who has received a bachelor degree from a higher education institution which is accredited by the responsible regional or national agency.

The following criteria must be met by the applicant:

Must have possession of a bachelor degree from an accredited program by the summer of 1998.

At the time of acceptance of
continued on page 14

THE BARRY M. GOLDWATER

be considered. To be eligible for a scholarship from the Kansas City Chapter an applicant must meet

dividuals with a baccalaureat

than 30 semester hours of equivalent

tracurricular activities.
Applications available

Wednesday, November 1988
Student Financial Aid
Parker Hall.
Application deadline
postmarked no later than
day, December 1988

**NATIONAL AERONAUTICS
AND SPACE ADMINISTRATION
NUCLEAR ENGINEERING
SCHOLARSHIP**

REQUIREMENTS:
• a U.S. citizen
• considering nuclear power in
college/university curriculum
• related to a nuclear power in
nuclear engineering or
chemical engineering or
power option), engineering,
(nuclear electrical engineering
power option), power option,
health physics free of post-graduate
(e.g. ROTC or NROTC)
military service minimum GPA
scale of 1.0 to 4.0) 1998

at least one but not more than
three academic years remaining to
graduation (including education
student six in-school semesters
quarters)

Applications to Student Financial Aid
Parker Hall. Application deadline
be postmarked by 1998.

**A M E R I C A N
ELECTROPLATING SURFACE FINISHING
INDUSTRY**

The Electroplaters and Finishing Society offers an upper class undergraduate students interested in careers in the finishing field.

REQUIREMENTS:
• Undergraduate must be studying metallurgical engineering, science or engineering, chemical engineering, environmental engineering
• Selection based on achievement, scholastic, motivation and the finishing technique
• Must be a full-time student during the academic year
• Scholarship is received for one year
• Financial need not be a factor
• Applications to Student Financial Aid
Parker Hall. Application deadline
postmarked by: April 1998

**MARY R. NORRIS
FUND FOR WOMEN
NATIONAL SCHOLARSHIP**

Student Financial Aid Office, G-1 Parker Hall.

Application deadline must be postmarked no later than Wednesday, December 3, 1997.

NATIONAL ACADEMY FOR NUCLEAR TRAINING SCHOLARSHIP PROGRAM

REQUIREMENTS:

a U.S. citizen or U.S. national considering a career in the nuclear power industry enrolled at an accredited U.S. college/university in an approved curriculum

related to a career in the nuclear power industry, such as: nuclear engineering,

chemical engineering (nuclear or power option), mechanical engineering, (nuclear power option), electrical engineering (nuclear or power option), power generation health physics

free of post-college obligations (e.g. ROTC or NUPOC) or active military service

minimum GPA of 3.0 (on a scale of 1.0 to 4.0) as of January 1, 1998

at least one but no more than three academic years of study remaining to

graduation (for co-operative education students, no more than six in-school semester or nine quarters)

Applications available in the Student Financial Aid Office, G-1 Parker Hall.

Application deadline must be postmarked by: February 1, 1998.

AMERICAN ELECTROPLATERS AND SURFACE FINISHERS SOCIETY

The American Electroplaters and Surface Finishers Society offers scholarships to upper class undergraduate and graduate students who are interested in careers in the surface finishing field.

REQUIREMENTS:

Undergraduate students must be studying in metallurgy, metallurgical engineering, materials science or engineering, chemistry, chemical engineering, or environmental engineering.

Selection factors include achievement, scholarship potential, motivation and interest in the finishing technologies

Must be a full-time student during the academic year the scholarship is received

Financial need is not a factor. Applications available in the Student Financial Aid Office, G-1 Parker Hall.

Application deadline must be postmarked by: April 15, 1998.

MARY R. NORTON MEMORIAL SCHOLARSHIP AWARD FOR WOMEN

Committee E-4 of American Society of Testing and Materials (ASTM) is sponsoring a scholarship for a woman college senior or first year graduate student enrolled in Metallurgy or Materials Science. The amount of the award is \$500.00.

REQUIREMENTS:

Student must be registered full-time and must expect to be classified as a senior or first year graduate student during the academic year 1997-98.

Applications available in the Student Financial Aid Office, G-1 Parker Hall.

Application deadline: December 15, 1997.

GLAMOUR MAGAZINE'S 1998 TOP TEN COLLEGE WOMEN COMPETITION

Any woman who is a full-time junior (third year of undergraduate study) at an accredited college or university for the 1997-98 academic year.

REQUIREMENTS:

leadership experience involvement on campus and in your community

excellence in your field of study unique, inspiring goals

Applications available in the Student Financial Aid Office, G-1 Parker Hall.

Application deadline must be postmarked by: January 31, 1998.

1998 HARRY S. TRUMAN SCHOLARSHIPS

In 1975 the US Congress established the Harry S. Truman Scholarship Foundation as a memorial to Missouri's native son. The Foundation grants scholarships to college students who are committed to public service.

The Foundation defines public service as employment in "government at any level, uniformed services, public-interest organizations, non-governmental research and/or educational organizations, and public-service oriented non-profit organizations such as those whose primary purposes are to help needy or disadvantaged persons or to protect the environment."

The scholarships are monetarily generous but limited in number. Students eligible to be nominated by their colleges and universities must be juniors who are full-time students. They must rank in the upper fourth of their class and be US citizens or US nationals.

Students who are awarded scholarships will receive up to \$3,000 for their Senior year of undergraduate education and as much as \$27,000 for graduate studies.

The University of Missouri-

Rolla campus faculty representative is Michael E. Meagher, Assistant Professor of Political Science. He is currently actively soliciting possible nominations from the faculty. In addition, prospective nominees can contact Professor Meagher directly.

Since any nomination package must be in the hands of the Truman Scholarship Foundation no later than January 27, 1998, names for possible nomination must be submitted to Professor Meagher no later than November 15, 1997.

INDUSTRIAL HYGIENE GRADUATE FELLOWSHIP ANNOUNCED

Looking for the opportunity to become a professional in a rewarding profession? If so, the Industrial Hygiene Graduate Fellowship program is for you. Industrial hygienists anticipate, recognize, evaluate, and control those environmental factors or stressors arising in or from the workplace that may cause sickness, impaired

health, significant discomfort, or inefficiency among workers.

Sponsored by the U.S. Department of Energy, Office of Worker Safety and Health, the fellowship program is accepting applications for the academic year beginning September 1998. The deadline for receipt of applications is January 26, 1998.

The primary goal of the fellowship program is to increase the number of industrial hygienists at the master's degree level to help ensure healthful working conditions for employees of DOE research and development facilities throughout the United States.

Administered by the Oak Ridge Institute for Science and Education (ORISE), appointments in the Industrial Hygiene Graduate Fellowship are for 21 months. Fellows are required, however, to submit a renewal application at the end of the first 12 months. The program pays an annual stipend of \$15,600 in 12 monthly payments of \$1,300 and full tuition and fees.

Participation in a three-month practicum, a practical,

hands-on work experience, at a DOE-designated facility is required. Transportation expenses to and from the practicum site are reimbursed and a dislocation allowance of \$400 per month is paid. The program required that fellows agree to a service obligation of one year for each academic year in the fellowship program.

The program is open to U.S. citizens who hold the baccalaureate degree and who have not completed more than one academic year of graduate studies by the effective date of the fellowship appointment. For application materials or additional information, please contact: Mary Kinney, Industrial Hygiene Graduate Fellowship program, Education and Training Division, Oak Ridge Institute for Science and Education, 105 Mitchell Rd., MS 16, PO Box 117, Oak Ridge, TN, 37831-0117; telephone (423) 576-9655; e-mail kinneym@orau.gov. More information is also available on the Internet at <http://www.orau.gov/orise/edu/uggrad/ih1.htm>.

Hypermedia poet to visit UMR

by Gene Doty

English Department

Dr. Randy Brooks, Associate Professor of English at Millikin University (Decatur, IL), will visit UMR on November 11 and 12. Dr. Brooks will bring his expertise as a teacher, poet, editor and publisher to UMR in events for faculty, students and the public.

On Tuesday, November 11, Dr. Brooks will read his and other authors' haiku in the Missouri Room of UCE. This free reading takes place at 7 p.m. and is open to the UMR community and the public.

On Wednesday, Nov. 12, Dr. Brooks will present "Lions, Beavers, Otters and Retrievers: Designing Hypermedia for All Types of Users." This presentation is for students and will be from 3 p.m. - 4 p.m. in 103 Engineering Management.

Dr. Brooks will also lead a workshop for faculty from 1:30-3:30 p.m. The title of this workshop is "Creating Web Resources for College Classes." It will be in the Center for Writing Technologies in 114 Campus Support Facility Building.

Dr. Brooks' blend of technical and humanistic knowledge and his commitment to education makes him uniquely

qualified to contribute to our campus. His academic research includes professional writing curriculum, rhetorical theory, hypermedia, web publishing, technical writing and computer-aided publishing. He will share his experience and ideas with faculty in a workshop and individual meetings, and with students in classes and a presentation.

Dr. Brooks has over 20 years of literary and small press editing experience and has published 52 poetry titles and four journals. Over 500 of his own poems have been published. He will present a reading of his poetry as part of his visit to UMR.

Calendar of Events

All organizational meeting times and places are provided by the Student Activity Center, 218 UCW. Please send all changes to the aforementioned office.

Wednesday

12:00 pm: Booster Club, Pizza Inn 1735 N. Bishop Ave

4:00 pm: Rugby team practice, Rugby fields

4:00 pm: UMR Chemical Engineering seminar, "North American Phosphorus/Phosphate Industry", 125 Schrenk

5:45 pm: Christian Science Org., Sunrise Rm UCW

6:00 pm: Chess club, Cafeteria UCE

6:00 pm: MSM Spelunkers Club, 204 McNutt

6:00 pm: Panhellenic Council Rush Rule Revision, Meramec Rm UCE

6:30 pm: Blue Key, 216 ME

7:00 pm: AICHe, G-3 ChE

7:00 pm: Institute of Electrical and Electronics Engineers, G-31 EE

7:30 pm: Society of Mining Engineers, 212 McNutt

7:30 pm: UMR Miner soccer vs. Washington University, St. Louis

8:00 pm: Alpha Chi Sigma, G-3 Schrenk

9:00 pm: Women's volleyball club practice, Multi-purpose Bldg

Thursday

2:00 pm: Spanish Club, 205 H-SS

3:00 pm: Men's volleyball club practice, Multi-purpose Bldg

3:30 pm: Computer Science Dept. Seminar, "The Future of Telecommunications", 209 M-CS

3:30 pm: UMR Mechanical and Aerospace Engineering and Engineering Mechanics seminar, "Pro/Engineer: CAD/CAM from Conceptual Design, to Stress and Kinematic Analysis, into Manufacturing/Production", 214 ME Annex

3:30 pm: Student Council lawyer, Walnut Rm UCW

4:00 pm: Air Force ROTC Veteran Day Ceremony, 104 ME

4:00 pm: Rugby team practice, Rugby fields

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from page 15

6:00 pm: Christian Campus Fellowship, Mark Twain or Missouri Rms UCE

6:00 pm: Toastmasters, 109 CSF

6:00 pm: Intercollegiate Knights, 204 McNutt

6:30 pm: Student Assn. of Management Systems, 107 Harris Hall

6:30 pm: American Nuclear Society, 227 Fulton Hall

7:00 pm: St. Pats, 107C ME Annex

8:00 pm: Theatre Players performance "The Imaginary Invalid", Leach Theatre Castleman Hall

8:00 pm: Academic Competition Org., 314 CE

8:00 pm: Solar Car Team, 103 Eman

Friday

3:00 pm: Trap & Skeet Club, 107 Beuhler

5:00 pm: UMR swimming vs. Truman State University, Kirksville, Mo.

7:00 pm: Show Me Anime, 204 McNutt

7:00 pm: Visitors' Night at the UMR observatory, UMR Observatory

7:00 & 9:00 pm: SUB Fall Film *Private Parts*, 104 ME

8:00 pm: Theatre Players performance "The Imaginary Invalid", Leach Theatre Castleman Hall

8:00 pm: UMR Lady Miner basketball vs. St. Louis Gold's Gym, Multi-Purpose Building

Saturday

12th & PINE 364-3311
RIGHT NEXT TO CAMPUS

November 20
Thursday
Pool Tournament
Sign up at The Grotto

THE MINERS FAVORITE HANGOUT WE CATER
TO UMR

ENJOY OUR LARGE SELECTION OF GAMES AND
MUSIC

Friday Lunch Special Tacos & The Grotto's
Famous Burritos
11:30-2:00

9:00 am: Student Council, Bluekey, RHA campus-wide leadership forum, 31, 236, 239, 240 EE

1:00 pm: UMR Miner football vs. Emporia State University, Jackling Field

2:00 pm: Chess Club, Gallery UCE

4:00 pm: Kappa Delta Sorority 25th Anniversary dinner, Centennial Hall UCE

7:00 & 9:00 pm: SUB Fall Film *Private Parts*, 104 ME

8:00 pm: Theatre Players performance "The Imaginary Invalid", Leach Theatre Castleman Hall

Sunday

1:00 pm: UMR Lady Miner soccer vs. Southern Illinois University-Edwardsville, UMR Soccer Complex

1:30 pm: Chinese Student Assn., 105, 117, 215, 216 ME

6:30 pm: Christian Campus Fellowship Sunday evening Church Service, 104 ME

7:00 pm: Men's and women's volleyball club practice, Multi-purpose Bldg

8:00 pm: Theatre Players performance "The Imaginary Invalid", Leach Theatre Castleman Hall

Monday

11:30 am: University Orators Chapter of Toastmasters International, Missouri Rm UCE

4:30 pm: Chemistry Dept. Seminar, "Chiral Separation by Capillary Electrophoresis", G-3 Schrenk

6:00 pm: UMR Independents officers meeting, Walnut Rm UCW

7:00 pm: National Society of Black Engineers/Assn. of Black Students, 204 McNutt

7:00 pm: Air Mobility Command Band of Scott Air Force Base in Illinois, Leach Theatre Castleman Hall

8:00 pm: Academic Competition Org., 314 CE

Tuesday

3:30 pm: Christian Campus Fellowship, 106 Eman

4:00 pm: Rugby team practice, Rugby fields

4:30 pm: Student Missouri State Teachers Assn., G-8 H-SS

5:00 pm: IFC, 216 McNutt

6:30 pm: Student Council Student Activity Fee Board open forum, Centennial Hall UCE

7:00 pm: Poetry reader Randy Brooks, Missouri Rm UCE

7:00 pm: Alpha Phi Omega, 114 CE

7:00 pm: Tau Beta Pi, G-3 ChE

7:00 pm: Film Festival *Breaking the Waves*, Leach Theatre Castleman Hall

7:00 pm: Bridge club, Miner Lounge UCE

7:30 pm: Hypnotist Fred Winters, Cafeteria UCE

8:00 pm: Amateur Radio Club, 110 Beuhler Bldg.

9:00 pm: Delta Omicron Lambda, 126 Schrenk Hall

Next Wednesday

12:00 pm: Residence Hall Association Mock-Car-Crash, Mall/Library

4:00 pm: UMR Chemical Engineering seminars, "Mass Transfer of a Solubilize in a Micellar Solution and Across and Interface", 125 Schrenk

4:00 pm: Rugby team practice, Rugby fields

5:45 pm: Christian Science Org., Sunrise Rm UCW

6:00 pm: Chess club, Gallery UCE

6:00 pm: MSM Spelunkers Club, 204 McNutt

6:20 pm: Associated General Contractors, 217 CE

6:20 pm: American Concrete Institute, 118 CE

7:00 pm: American Society of Civil Engineers, 117 CE

7:30 pm: Society of Mining Engineers, 212 McNutt

8:00 pm: Alpha Chi Sigma, G-3 Schrenk

9:00 pm: Women's volleyball club practice, Multi-purpose Bldg

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CHINESE FOOD,
VARIETY &
FRESHNESS!

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