



25 Feb 1998

The Missouri Miner, February 25, 1998

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The Missouri Miner

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

February 25, 1998

Volume 87, Number 20

Twenty Pages

Wiring Greek Life: Is it worth the effort?

by **Daisie Hobson**
Assistant News Editor

As you may know, the University has undertaken the great task of networking the campus and the fraternities and sororities.

The task involves tearing up streets and spreading enormous amounts of cable in all directions. For example Delta Tau Delta is a mile from Thomas Jefferson Residential Hall. It will take a great deal of time and money to get them connected. Brian Johnson of Delta Tau believes that "this proves that, by taking this leap forward, the campus is committed to the excellence of their students."

UMR is financing most of the project, but the houses will have to fund the wiring inside the house. Networking the houses will provide the same access to campus that the residence halls already have. This includes saucer, rocket and internet access. Unfortunately it does not include services provided by the Novell network, such as WordPerfect or QuattroPro. This is due to the immense increase cost that would occur to license these programs.

Matt Willer of Kappa Sigma said, "This is not a problem. We already have better programs." Matt is really excited about getting online with campus: he said, "there is no downside, only positives can come from this. We are one of the first campuses to get connected and that is a great opportunity."

Although most of the feedback has been positive, there have been delays in getting the houses connected. Sarah Pulley, webmaster of Chi Omega said, "This is a great idea. It will take a lot of the load off the campus dialups. I just wish that they would give us a set date when this will take place. Originally they said last October and now they are saying the middle of summer. It is frustrating because we are ready."

Most of the delays are due to the city. It takes quite a bit of money and time to lay cable. It involves tearing up streets and yards. Current projections place wiring Greek Life into this coming summer.

Dinner II Jazz

This past Saturday, the Association of Black Students held their annual African American Heritage Month Celebration Banquet. For the second year the event was "Dinner II Jazz," a jazz-club event that included dinner and a live jazz performance. This year, the musical vibe grooved to the smooth sound of Zelfhia and the Jazz Rhythms, a St. Louis-based band.

Whereas, this was the second year for "Dinner II Jazz" variation of the ABS banquet, the banquet itself has been around since 1965. The 33 year old banquet is designed to recognize the efforts of African Americans.

During the event, awards were given to the winners of the Leila Flagg Art Contest and special thanks was given to the African American Cultural Recognition Committee. The artwork has been displayed in the Miner Lounge of UCE over the past month.

Overall, this event was a chance to enjoy good music with old friends, alumni and faculty. After dinner many of the guests stayed to dance and relax with the music.

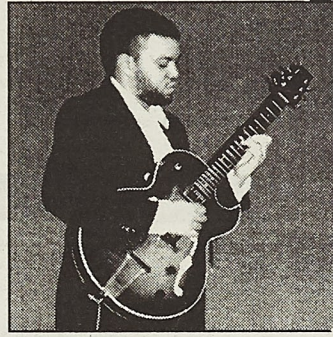
Above right: On saxophone, James Warfield, Jr. and on bass, Darryl Mixon.

Middle left: Guitarist Eric Slaughter.

Bottom right: Vocalist Zelfhia Robinson-Otis and saxophonist James Warfield.

Together with Al James (not pictured) on percussions they are Zelfhia and the Jazz Rhythms.

photos by Amy Jones



Student curator visits UMR

by **Justin Sutherland**
News Editor

Sarah Welch is a junior at the University of Missouri - St. Louis majoring in English and psychology. And for the next two years, she will represent the student bodies of all four UM campuses as the student curator to the UM System's Board of Curators.

Last Friday, Welch visited the UMR for the first time. By the time she left, she had accumulated an overall positive impression of the engineer-dominated campus as a "student's campus."

She was impressed by the amount of communication the students have with the chancellor and vice chancellors. "Everybody seems to want to work with the students," said Welch. She went on to qualify this by saying that she found it a little unusual to see faculty eating in the same cafeteria with students. Whereas this may be something taken for granted at UMR, it is not a regular occurrence on other campuses.

Welch also found it helpful during her visit to get firsthand knowledge and views of what is going on around UMR. This was especially so regarding future renovations slated for UCE and the Civil

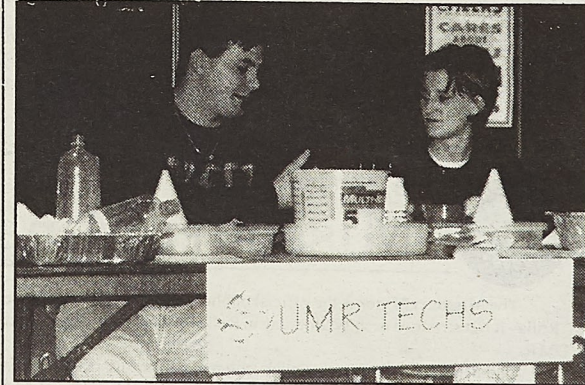
Engineering buildings, which will be continuing topics for the Board of Curators.

Not only is she going to be a voice for the collective student bodies, but she also wants to be a voice to the students. She is trying to get a column going to be published in the various campus newspapers. In this capacity, Welch can keep the campuses updated on what is coming to light in the Board of Curators.

Behind the scenes, though, the student curator position has certain obligations. Primarily, the student curator attends the Board of Curator's bimonthly meetings as a liaison between the students and the board. He or she is also allowed to sit in on some open meetings of board committees.

Aside from providing the Board of Curators with student views from all four campuses, the student curator is an ex-officio member of ASUM, the UM System's government interaction organization, and a voting member of the Intercampus Student Council.

The student curator position rotates among the four UM campuses every two years. UMR will fill the position in four years after UMC completes its turn in the rotation.



Last Wednesday, UMR TECHS, Student Health Services and Staff Council sponsored their annual Wellness Bash. The event took place in the Miner Lounge and Centennial Hall of UCE to promote the wholistic well being of UMR students, staff and faculty.

Booths covering physical, emotional, social, environmental and spiritual aspects of life were attended by trained professionals, counselors and students to help those who were looking for what the event had to offer.

Above: Jen Carlson and Jason Wagner attend the UMR TECHS booth to promote what they do on campus.

photo by Ryan Shawgo

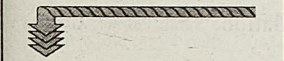


Do your opinions...

...match those of the rest of campus?

Find out using the Virtual Miner at <http://www.UMR.edu/~miner>. Login, answer the weekly question and find out in the next Missouri Miner if the rest of campus thinks the way you do.

The tallied results of the poll will appear on the front page for all to see.



This weeks question: What movies would you like to see in Rolla theaters, but can't?

Undergraduate Research

In A Nutshell

Campus, national and international news briefs

◆ The Opportunites for Undergraduate Research Experience program is conducted annually to provide an active

form of learning for UMR undergraduates through participation in "research" as an undergraduate student. The program is open to students in any discipline.

All full-time undergraduate students with a cumulative GPA greater than 2.5 are eligible. If you are interested in participating, further information and application material are available on the world wide web at <http://www. umr . edu / -ac -af rs /ou re .html> or you may pick up the information in the Office of the Vice Chancellor for Academic Affairs, 204 Parker Hall.

A listing of departmental coordinators is provided at the web address. You and your faculty sponsor need to discuss the potential project, come to an agreement and submit a one page application to the Office of the Vice Chancellor for Academic Affairs. The deadline for submitting application is March 13, 1998.

Projects may provide academic credit (typically 3-6 hours of 300 or 390 credit) and/or payment of a stipend to a limit of \$1000. One-half of the stipend is paid at the beginning of the project and the remainder when a final report, approved by the cooperating faculty member, is submitted. Up to \$500 is made available for expendable supplies.

E-mail for Graduates

◆ Don't miss out on your e-mail! If you are leaving campus, let the MSM-UMR Alumni Association help you keep those electronic cards and letters coming. Just advise the Alumni Association of your new e-mail address before the next semester begins, and they will take care of the rest. Your mail will be forwarded for one year, unless you ask the Alumni Association to stop forwarding sooner.

Two important things to remember:

1.) Until your e-mail is forwarded, you will need to get your e-mail off your old UMR account yourself. The Alumni Association cannot forward e-mail retroactively.

2.) Your UMR e-mail address will likely be cancelled three weeks after you leave campus, so you need to put in your forwarding request as soon as you possibly can. It is hard to forward e-mail from an account that no longer exists, although the Alumni Association would do it if they could.

To request forwarding, either send your full name, student number, UMR e-mail address and your new e-mail address to alumni@umr.edu, or see the website at <http://www. umr . edu / alumni /> and click on "e-mail forwarded," then follow the prompts.

This is a service of your MSM-UMR Alumni Association. They hope it helps make your transition

from campus to the "real world" a bit easier.

Golick Lecture Held Today

◆ Dr. Chang Young Choi, vice chairman of the Korea Zinc Co., will be the speaker for the 15th A. Frank Golick Lecture Series at 4 p.m. today, in Room 216 McNutt Hall at the University of Missouri-Rolla. Choi will speak on "Zinc Residue Treatment Processes."

The lecture is open to the public and is sponsored by the UMR department of metallurgical engineering.

The Korea Zinc Co. is an international producer of zinc with operations in Korea, Australia and the United States.

Choi received his bachelor of science degree in metallurgy from the Seoul University in 1969, and a Ph.D. in extractive metallurgy from Columbia University in 1976.

Choi also is chairman of the Korea Nickel Corp. and is active in the Korean Institute of Metals and Materials.

A. Frank Golick is a 1918 metallurgical engineering graduate of MSM/UMR. During his career, he developed a number of new applications for both ferrous and nonferrous metals. He joined the LaSalle Steel Co. in 1939 and was appointed vice president for sales in 1946, a position he held until his death in 1966.

Golick's widow established a memorial fund for her husband at UMR in 1969 to attract outstanding nationally recognized metallurgical engineers to the campus to interact with the faculty and students and to present a lecture series.

Egg Drop Contest Held Today

◆ The Society of Women Engineers' student chapter at the University of Missouri-Rolla will sponsor its second annual egg drop contest today, as part of Engineers Week activities at UMR.

The competition begins at 4:30 p.m. at the North Tower of Thomas Jefferson Hall on Highway 63 North near campus. Teams of up to four students each will use materials provided to them by SWE to design containers for their eggs. The object of the competition is to design a container that will protect the egg from damage.

The first-, second- and third-place teams will receive scholarships of \$1,000, \$750 and \$500 from the UMR School of Engineering. Dr. Robert Mitchell, dean of the School of Engineering, will judge the competition.

For more information, contact UMR's SWE office at (573) 341-6323.

National Engineers Week is celebrated each year to commemorate the birthday of George Washington, the nation's first president, who was also a military engineer and land surveyor. Several engineering organizations sponsor activities during the week to promote the engineering profession.

Utah scientist helps develop fire, explosion simulation software

**by Lee Siegel
College Press Exchange**

In a University of Utah laboratory, Chuck Wight uses a laser and a sensitive scale to study what happens at a molecular level when an explosive burns or blows up.

What he learns will be used to develop sophisticated computer software capable of simulating fires involving explosives, fuels or other materials.

"The objective is to build a computer program that can be used to simulate the ignition and spread of fires based on what the molecules are doing," said Wight, a chemistry professor.

"I hope aircraft companies will use the software to simulate fires on airplanes and design planes so they won't burn as easily. It can be used when designing explosives manufacturing plants to decrease the chances of catastrophic accidents. Simulation could be used to design spacecraft that are more fire-resistant. The software also could simulate the behavior and spread of fires inside ships or tunnels to make those spaces more survivable in case of an accident."

Wight is part of the university's new Center for the Simulation of Accidental Fires and Explosions, or C-SAFE, which was established with a \$2 million, five-year grant from the U.S. Department of Energy.

The Department of Energy has said it will spend up to \$250 million over the next decade at Utah and four other universities as part of a \$40 billion program to simulate nuclear weapons blasts.

The federal program aims to maintain the safety and reliability of America's nuclear stockpile now that underground nuclear test explosions are prohibited by the Comprehensive Test Ban Treaty.

President Clinton signed the treaty two years ago but the Senate has yet to ratify it.

Utah and other universities in the program emphasize the software they develop will not simulate nuclear blasts. Instead, each school will develop different complex computer simulation. The Department of Energy then will adapt the software to simulate nuclear weapons explosions on federal supercomputers.

Critic Matthew McKinzie, of the Natural Resources Defense Council in Washington, said the universities are encouraging nuclear proliferation and training a new generation of nuclear weapons experts under the guise of supporting the test ban.

"The University of Utah is contributing to the preservation of the U.S. nuclear deterrent and also to the ability to model nuclear weapons and explore new nuclear weapons concepts," he said. Wight said he has no qualms about scientists at federal nuclear weapons laboratories simulating nuclear blasts. "That allows us to adhere to the test ban treaty. Nuclear weapons will always be with us."

"It's much safer to understand how they work than to have an aging stockpile that we're not sure how it works." C-SAFE was inspired by the 1988 fire and explosions that leveled a Henderson, Nev., space shuttle rocket-fuel plant, he said. The \$75 million accident killed two people, injured 350 and forced 17,000 to evacuate. The facility was rebuilt near Cedar City.

Wight said he and colleagues "are primarily concerned about safety in manufacturing, storage and handling of explosives. So we want to answer some fundamental questions about how explosives will react to various insults."

Heat, sparks, friction and impact or other shock can ignite explosives, which are more sensitive to such insults if the explosives have been damaged. "Most undamaged plastic explosives will ignite and burn vigorously, but won't

see Fire on page 13



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.

All articles, features, photographs, and illustrations published are the property of the Missouri Miner and may not be reproduced or published without written permission.

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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Opinions

Letters To The Editor

Dear Editor:

Mr. Rogers' letter last week suggested that I "chose to deal in the hazy realm of half-truths...". Then, after offering the "truth", Mr. Rogers listed several false statements throughout the article. I would like to take a moment to set the record straight. First, the UMR Mining Department did not verbally attack Ms. Sarah Bantz. Only one faculty member was able to attend the meeting and he was only able to attend a short portion of the discussion. Second, Mr. Rogers compared Ms. Bantz's presentation to a debate. Her discussion had no mediator, no set rebuttal times, and quite frankly no order. This is why I created a format of 10 minute presentations followed by a 3 minute rebuttal time. I suggested that mediation should be done by a student representative from both SEAC and SME and I suggested penalties for interruption of a presenter's set speaking time. During the five months of preparation for this forum SEAC made no effort to help me with scheduling and refused to contact me outside of their own meetings in spite of my several requests for a one-on-one meeting to finalize any problems with my proposed format. At their first meeting of this semester I faced approximately one dozen of their members alone and bartered for an acceptable format. SEAC believed that 10 minutes was too long for a presentation: I agreed to 7 minutes, SEAC believed that if two students were responsible for mediation one would intimidate the other: I agreed to let them find an impartial mediator, SEAC thought that a rebuttal time was too confrontational: I stood firm and would not relinquish the rebuttal time. SEAC then agreed to the amended format and I excused myself from the meeting. One week later (three weeks short of the forum) SEAC had not secured a mediator so a member of my organization located an impartial

party that was willing to mediate. SEAC then agreed to accept this mediator. After the "foliage embracer" incident SEAC confronted me in their meeting (where once again I faced better than one dozen members with only one ally) and said they were canceling. After a long discussion, SEAC agreed to reconsider and hold a vote. I called Mr. Rogers that night and he told me that the forum would continue if their speakers agreed to attend. That was the last contact I had with Mr. Rogers until SEAC's next meeting on the 5th. I did not receive an official cancellation until the 10th. This cancellation was dated the 2nd but Mr. Rogers claimed that we were notified "soon after the meeting on January 29th. I left phone messages with Mr. Rogers requesting a yes or no answer on the cancellation of the meeting so I could inform my speakers. My requests went unanswered.

These are the facts concerning the construction of this public forum. SEAC's lack of involvement and indifference forced the majority of the work onto my shoulders. Little to no work was done by SEAC. I do agree with one statement Mr. Rogers made though, SEAC is a fledgling organization which is obviously not mature enough to handle the responsibilities which accompany such an undertaking as a public forum. I expect that Mr. Rogers will have something to say about my article next week but these will be my last words on the subject. Instead of continuing this back and forth bickering I have extended invitations to Heartwood and the Sierra Club to another forum which will be hosted by SME next semester. I am awaiting a reply and I sincerely hope that SME's vision for an informative public forum may be achieved.

Jon Carmack
VP, UMR-SME

Dear Editor:

As the professor referred to in Jon Carmack's submissions in the February 11 and February 18 issues of the Miner, I feel it appropriate that I provide an explanation for your readers.

It is not clear from Mr. Carmack's letter how "[u]sing such groups as SEAC, he [Sager] is able to spread fear..." Perhaps Mr. Carmack, or his professors and mentors would be willing to clarify this point.

Is he referring to SEAC's recycling program? For the first time in history, the UMR campus is now recycling plastics, and on its way toward a fully comprehensive campus recycling program, a program our sister campus in Columbia has had for years. Is this something to fear?

Or perhaps he is referring to last year's Earthday celebration in Shumann Park where good folks from town and campus got together for the first time in years for a day of music, crafts, games, food, and fun; celebrating the joy of springtime on this planet Earth? Or is he referring to this year's upcoming celebration on April 18, which SEAC hopes to make even bigger and better?

In truth, I can hardly take credit for any of it. The credit belongs to the dedicated students of UMR SEAC. They chose these worthwhile projects, not me. And they perform the hard work and organization to bring them to fruition.

Nor can I take credit for the very informative young speaker who SEAC brought to campus last February to present a slide show on "toxic lead mining in the Ozarks." But, I am forever indebted to her for inspiring me to embark on a study of lead toxicity and epidemiology which has kept me occupied for almost a year. Recently, I presented some results from the public health literature to the readers of the Rolla Daily News. Perhaps, this is what Mr. Carmack refers to when he claims I "spread fear, not facts." If so, he should take this matter up with the researchers and organizations which performed the studies which I cited; the U.S. Center for Disease Control and Prevention, the Missouri Department of Health, and the University of Pittsburgh Medical School, to mention a few. But, then again, maybe it is easier just to blame it all on Sager.

Mr. Carmack seems to be worried about employment prospects, and this concern is understandable. But I wonder if he is aware of all the jobs and employment opportunities environmentalists create, here on campus and in the outside world as well.

We are all familiar with the wonderful project on this campus to develop a soy-based fog oil for the Army to use at Fort Leonard Wood. But how

many are aware that it was two environmentalists, a UMR graduate and a Sierra Club researcher, who discovered that the fog oil that the Army has been using for years is mutagenic? Without this unpaid research by environmentalists, this project would never have come into existence.

And consider the \$5 million contract that UMR won to research better ways to detect and defuse the millions of landmines that kill and maim thousands of civilians every year. How many are aware that environmentalists and health and welfare advocates have been lobbying for this project for decades? Even as I write, environmentalists are lobbying for increased funding for anti-landmine research, funding which is certain to provide jobs and benefits for UMR and its graduates.

And in Mr. Carmack's own field, how many jobs were created by the recent upgrade of Doe Run's Herculaneum smelter? This upgrade, which is much appreciated by all environmentalists and child welfare advocates, came in the wake of decades of pressure on Doe Run to bring its operations into compliance with the Federal Clean Air Act. Were it not for this pressure from environmentalists, it is highly unlikely that these jobs would ever have been created. And with more pressure from environmentalists, and more million dollar penalties from the regulatory agencies, ASARCO will also cave in and create many exciting well-paying jobs, upgrading its facilities into compliance with the Clean Air Act.

In short, environmentalism means more and better jobs as well as a higher quality of life. This is why there are so many millions of environmentalists. This is why environmental concerns carried the elections in 1996, and likely will again in 1998.

In closing, I wish to say that I appreciate very much Mr. Carmack's statement on engineering ethics; and I understand his disappointment at the cancellation of the joint SME-SEAC forum. I was also disappointed. I had spent much time and energy putting together a presentation on lead toxicity and epidemiology. I hope to be able to give this presentation on campus in the near future, preferably at a joint SME-SEAC forum. It is my hope that this program can be resurrected. It is my hope that soon we can all meet together in mutual respect for our differences.

Sincerely,

Tom Sager,
Faculty Advisor of UMR SEAC and
Associate Professor of Computer Science
University of Missouri-Rolla
tomsager@umr.edu



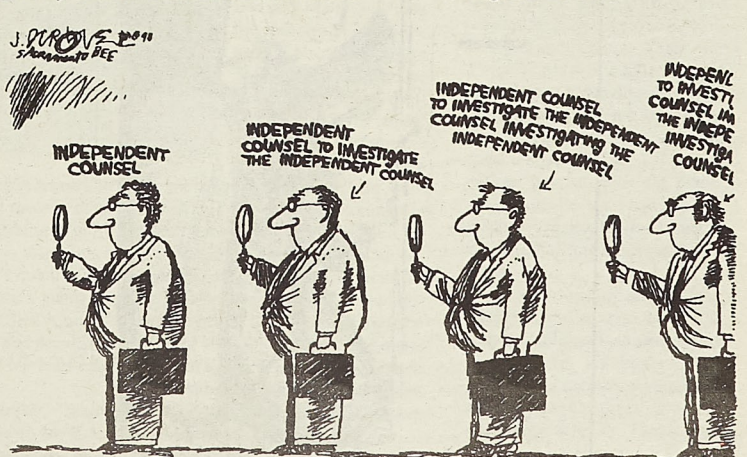
Priorities?

A look into media ethics

An editorial by Photography Editor Ryan Shawgo

It seems lately the media has had its priorities in the wrong place. War is immanent with Iraq and the media is more interested with who the president looked at yesterday. I believe that the Constitution of the United States reads that all people are innocent until proven guilty. I think someone needs to remind the press of that fact. Think back to the O.J. Simpson trial. The helicopters and reporters were on the scene informing the world that O.J. is now speeding away from the scene where he murdered his wife and her lover. They never said that there was a remote chance that he was innocent. To the media, it was always he did it. Unbiased. The newspapers and television shows should be unbiased and report only the facts. That never happens. The reporter or anchor person has to throw in their opinion of the situation.

The recent scandal involving President Clinton and Monica Lewinski was unveiled to the public before all sides of the situation were known. Because Newsweek chose to sit on the facts that they had uncovered involving the possible covering up of trial information they were not the first to release that information to the public. Someone else beat them to the punch, but before they had all the facts. The story broke that President Clinton had an affair with one of his aids and then ordered her to lie about it while under oath. It is amazing in my opinion the speed at which a White House rumor can become fact to the general public. I hope in the future the press can worry less about the sex life of the president and more about the bombs that we are going to drop on Iraq.





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|-----------|--------------|-------------|----------|
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| Newcastle | Samuel Adams | Miller Lite | Icehouse |

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27th and 28th

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Wednesday, February 25, 1998 at 6:30 p.m.
Engineering Management Auditorium
Room 103

*All majors are welcome. Casual attire is appropriate.
Snacks and beverages will be served.*

Verve

UMR Raiders offers challenges and adventure

by Eddie Brown
Army Raiders

For those out there looking for some adventure in their monastic life on campus, Raiders can offer a temporary escape. Raiders take the skills of the United States Army and make them available to anyone interested in getting outside the classroom. Anyone can learn about the tactics and equipment of our armed forces with no service commitment, haircut or oath required.

Raiders was originally conceived to give Army cadets an extra edge in their future careers by exposing them to the skills and tactical knowledge needed to be technically competent leader, in the United States Army. The organization was first opened to all students last year and has had good results from the change. The adventuresome spirits of those who have joined from outside the cadet ranks have given a new excitement and energy to the organization. This has boosted pride in the individuals and an overall improvement in the moral of the Raiders as a unit.

This has meant expanded training above and beyond the minimum. Already the training schedule has been expanded this semester. Originally the

class on military radio procedure as an indoor session only. With the suggestion from members, the Raiders found themselves doing a reconnaissance mission on a stretch of roadway near Frat Row. All this happened because the Raiders wanted extra training calling in reports. The Raiders wanted more and the organization listened.

The training schedule for this semester includes classes on an assortment of "high speed" topics. A former Ranger/Special Forces officer will teach a block of instruction on personal camouflage. Another topic will be Pathfinder Operations. This class will cover steps in scouting, selecting and preparing a Landing Zone for helicopters and will be taught by an Air Assault qualified cadet. Another will cover the first three battle



UMR Army Raiders challenge members with exciting and fun adventures, some even include the use of guns as shown here.

photo contributed by UMR Army Raiders

drills used by our troops that enable them to react instantly to situations on the battlefield saving their own lives while eliminating the enemy. Paintball guns are planned to be used to spice up this block of instruction. These classes and a rappel from a 35-foot fire tower make for an exciting semester of training.

All this contributes to the learning experience that Raiders can facilitate. All this adds to the camaraderie that exists in Raiders. All this is why "Raiders lead the way."

For more information on joining Raiders, e-mail CDT Eddie Brown at ejb@umr.edu.

Flower Power: See the light at the end of the UMR tunnel

by Daisie Hobson

Verve Writer

"My favorite thing is to go where I've never been." —Diane Arbust

Last semester I tried to write positive articles about succeeding and not giving up no matter how bad it is. Well I have to be honest, last semester was an awful semester for me. I was writing "happy happy joy joy," but I was feeling "Yucky!"

The writing did help some, but it was really hard to stay so positive when everything around me was so negative. This semester everything is going a whole lot better, and I hope my writing helps everyone be a little more positive. I really enjoy writing this article because it helps me express some of my concerns. I guess they aren't really concerns but more like feelings. I am a senior and I've been there. I know how it is to be an average student struggling in Rolla. I'm trying to help those of you who don't see the light at the end of the tunnel. Believe me, it is there, and if I can get there, anyone can.

Last week I wrote about goals. I can not express how important it is to believe in yourself and your abilities. If you don't know what you want to do, don't worry about it. You have time. If you think you don't have time and you are stressed because you don't know what you want to do with your life, you are so wrong!

Most of us are in our early twenties and some mid-twenties. Time is not important. We literally have a lifetime to figure out what we want to do with our lives. Just because you graduate from UMR doesn't mean that your life is now set in stone. You can do anything you want to do. Life is full of possibilities. Enjoy them. I am so excited about getting a job because it is just another step. Right now everything is so new and exciting. I don't know what will await me in May. I do know that it will be new and exciting. I will make new friends, but I'll miss old ones. I'll go new places, but I'll miss old places (maybe not Rolla). I have the rest of my life to decide what I want to do and what kind of person I want to be.

I want to enjoy the job I get, but if I don't I'm outta there! I'm only 21, and there is so much I want to do and see. If I decide I don't want to be an engineer anymore, I'll do something else (but I'll have the company pay for it). That sounds

see Light on page 13

"South Park" rudely goes where no show has gone before

by Nick Skipnik, G.I.T.

Verve Writer

Do you watch television? Do you watch prime time dramas? Do you watch made-for-TV mini-series? Do you watch animated specials? Do you watch comedies? Do you watch "South Park?"

"South Park" is an animated television show aired on Comedy Central. I don't know the exact times; I just wait for the mad rush of residents on my dorm floor to the TV lounge. Now, I watch every "South Park" episode that comes on. I was hooked last May when it aired for the first time. "South Park" is that special kind of show that somehow manages to bring a bit of humor to a cold and cynical world.

What I find so amazing about "South Park" is its character. It displays a nineties-sense of vulgar humor. Although it may be crude, it is darn funny! It also manages (somehow, I don't know how, but it does) not to offend anyone. It may offend someone, but in my experience, only laughter has come about by the show. That kind of show is timeless, and this one is most especially humorous.

"South Park" is a show of four kids in the town of South Park and all the strange happenings of the town. Eric Cartman is an overweight kid with a selfish demeanor and a mean attitude. Stan is an athletic kid who keeps the friends together. Kyle is a Jewish friend who exclaims curses after the death of the fourth kid, Kenny. Kenny is a poor boy with an implied vulgar "knowledge" of certain things (that is all I am going to say about that). These four friends

witness strange things in the town of South Park.

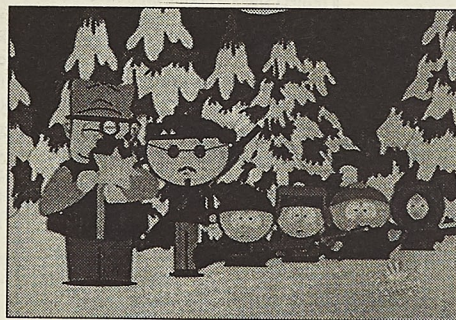
There are also two other characters of South Park who happen to be favorites of mine. They add an extra bit of humor. First there is Jesus. Yes, that's right; the Son of God is alive and living in the town of South Park. He even has his own television show on public access television in South Park, "Jesus and Friends." Jesus' demeanor in the show adds a lot of humor. It is kind of satirical toward religion, but it's only a show. Plus, this satire is funny (I think).

Then there is my favorite character in all of South Park, Chef. Chef is the school cafeteria's cook and the boy's unofficial "mentor." Chef is soul man, a love-machine, an imaginative adult, and an overall cool guy. Many times Chef will be depicted as romancing a young lady friend, maybe with a song such as "Gonna make love to ya, woman . . ." See what I mean about him being the man? Anyway, it's funny regardless. If you've seen the show, you know what I'm talking about.

Well, one of the funniest things about "South Park" is the continuing trend of the inevitable death of Kenny. Kenny always comes to a dangerous situation in the show, and his untimely death is always the outcome. Well, every time except for the Christmas episode. In a recent episode, Kenny was killed by his own misfortune at a tether ball pole (you know, the pole with the ball on the string . . . I think they play hand-ball on it . . .). Well, there are too many different deaths of Kenny (the

show's been on for a while, you know) for me to illustrate and/or describe all of them for you. However, these untimely and humorous demises of Kenny are worth watching the show.

As a matter of fact, last semester, a group of guys from my dorm floor (I among them) made a snowman Kenny. Out on the mound on the entrance into TJ's main parking lot, we created a snowman in the shape of Kenny from "South Park." Then we went up and got some cans of spray paint (no comment



and painted Kenny just as he appears on "South Park." Then we made another snowman who is stabbing Kenny through the head with a flag with a "Rising Sun" on it, the symbol of my floor. Then, with the black paint, we painted "Oh no! 4 N Killed Kenny!" Later that day, someone else decided to "kill" Kenny again, and our snowman creation was no more.

Anyway, this semester, "South Park" is a theme for our wing. My R.A., Seamus McGrath, printed up door signs with a "South Park" theme. Each is a

collage of pictures from various "South Park" episodes, and a unique quote for every person on the wing. So you can tell, "South Park" has become an integral part of the floor. Whenever an episode comes on, the TV lounge is packed (I had to sit on the floor last time). If you want a good laugh, I'm sure you'll join us.

"South Park" is a show that not only displays a satirical and perhaps vulgar humor of the world today, but also it depicts humorous representations of popular icons. For instance,

Sidney Poiter is a being with supernatural robotic powers. He is called upon to fight the Mega-Streisand (a mutated robotic version of Barbara Streisand).

However, Mega-Streisand was too much for him and Leonard Maltin. It took the robot-punch of the Cure's Robert Smith to take out Mega-Streisand, as Jesus exclaimed, Robert Smith is "Our Savior" (more of that satire I referred to earlier). That is just a

sample of my favorite quotes from "South Park." I would tell you more, but I don't know if they are printable.

Anyway, "South Park" is an enjoyable show depicting the cynicism of the world today in a satirical and humorous manner. It is a timeless show to be watched through the ages. The many deaths of Kenny keep me going through the harshness of the day. I just shout, "You killed Kenny!" and then I feel more relaxed. Hey it works for me.

"South Park" makes me laugh; what about you?"

Tips and Quips for Writers: Go visual in your writing process

by Barbara Baird
Writing Assistant

Are you ready to "go visual" in your writing process? A secret tool to enhance the power of your paper or report is to arrange your words in such a way as to create contrast and balance.

A well-balanced page of writing allows the reader to locate and comprehend the important points. It also allows the reader to let his/her eyes rest occasionally. White space, the term used for the blank free space in a text, is the little secret good writers use when putting together a good piece of writing.

White space is used in margins and heads of papers. Indentations of para-

graphs and spacing of lines also create nice white space, making the art of reading a bit easier for the reader (especially if that reader is a professor who has 35 papers to read in one sitting).

Another way to use white space in writing is to avoid using full justification of line endings. Ouch! These lines really hurt the reader's eyes, whereas uneven, ragged looking edges break up the monotony of the lines and create even spaces between the words of the lines. Adjusting the leading (spacing above and below lines of type) can greatly improve the legibility level of the paper. Leading that smashes the lines together proves to be a difficult read for the reader. Lines that are tightly packed

together also darken the look of the paper.

In order to use the horizontal white space effectively, try making paragraphs in compositions at least a third of a page long. When columns are called for, remember to the vertical white space for balance. Often, one column can be omitted and replaced by publishing information, pull quotes, a table of contents or some other visual aid.

Use the white space effectively so your writing will look good, and hopefully, better communicate itself to your reader.

Quip: Editors often disregard the use of white space in publications. —B. Baird

UMR Film Festival presents Jean Seberg



UMR Announcement

The UMR Film Festival proudly presents "From the Journals of Jean Seberg" starring Mary Beth Hurt and directed by Mark Rappaport. Jean Seberg's story, from her Cinderella-like rise to celebrity in Otto Preminger's "Saint Joan" to her equally precipitous fall after the movie was released, through her resurrection as a star in Godard's "Breathless" to her death in 1979, is examined through clips from a wide range of her films and other films of the period. "From the Journals of Jean Seberg" explores the ideological attitudes that commercial films subliminally offer above and beyond the story. 1995-PG-13.

Can previous lovers become just friends?

by Wire Service
College Press Exchange

It's the standard blow off line that you have either uttered yourself or heard while maneuvering your way through the sticky dating swap meet, "I don't want to date you, but we can STILL BE FRIENDS!" Goody. Like all you need is one more friend to worry about. Besides, is it really possible to go backwards and be JUST FRIENDS? That is the question and its impossible answer plays like a current "GENERAL HOSPITAL" story line: Jason and Robin were in an intense relationship, broke up and now ARE JUST FRIENDS. (Sure, friends worked well when she was out of the country.) But now with that shared history and those wanton looks across crowded rooms?

Tell me they're not going to sleep together in a couple of months! Is that how it works in real life? Is the only way to maintain a friendship with an old lover to keep your distance or leave the country, lest you be sucked back into the old relationship vortex? Can old lovers be just pals? From our informal interrogations this week most people said "with time" it is possible to have some sort of friendship with someone with whom you have had a physical relationship. But do you want to be friends with him or her? That's another question.

Although Jonathan, a University of Minnesota junior, is not friends with any of his ex's, he does believe it is possible to be just friends. But first you have to break the habit of having them in your life. "I think there has to be a

separation experience," said Jonathan. But after this separation experience has occurred what has kept Jonathan from resuming a relationship with his past? "Respect," he said, "Out of respect for the new person, out of respect for Michelle." (And trust me, there is nothing worse to a new girlfriend, than having the old one around. Even if she's knocked-up and married.)

To Julie, an art history graduate from the University of Minnesota, old lovers are like the SWAT team or 911. They are good for back up in an

emergency. "They're not best friends I'd call everyday," Julie said, "But I know I'd be there for them to call. You've shared a lot together," she says "And they knew you pretty well. [There were] a lot of common interests." And Julie has put this philosophy to work. More than once an old boyfriend of hers has swept in at the last moment to save a project she's working on from crumbling. "I know they'd be there for me."

"To me, personally I've never ex-

see Friends on page 13

Siskel's Flick of the Week

by Gene Siskel
College Press Exchange

Our flick of the week is "Palmetto," a stylish film, but too convoluted by a half-bit of trickery involving what is in danger of becoming a hackneyed plot device — the inside-job kidnapping with one family member extorting another. "Fargo" and "Excess Baggage" are recent examples.

In "Palmetto," Woody Harrelson plays a man just released from prison who is immediately hit on by a wily sexpot (Elisabeth Shue from "Leaving Las Vegas") who wants him to help extort her

wealthy husband by serving as bagman for a kidnapping gambit involving her stepdaughter. When Harrelson meets the leggy daughter, the plot becomes more hot and bothersome.



Harrelson and Shue are strong actors, but I would rather have seen them simply extemporize a series of encounters than serve this overwritten script. R. 2-1/2 stars.

Organizational Update

TECHnicalities: Keep it safe on Spring Break

by Keith Steiner
UMR Techs

Guess what? Only a few more days till Spring Break! Many of us are preparing to journey to another location, but before you leave make sure to incorporate the following suggestions in your gear.

Heading for sunny skies or snowy mountains, remember a bottle of sunscreen, lip balm and aloe. In case you get a sunburn, apply aloe to the irritated skin, but hopefully you'll remember to use your sunscreen. Skiers should also wear lip balm to

protect your lips from windburn and chapping.

Whatever your plans are calling for, keep in mind that the most important thing is your safety. If you plan to consume alcoholic beverages or be sexually active, take the necessary precautions to insure your health and life. Any questions? If so, please contact Student Health and while you there ask about receiving condoms, birth control or even a free confidential Home HIV test kit (Supplies are limited for Home HIV test kits).

UMR TECHS hopes you have a fun and safe Spring Break '98!

Interfraternity Council: Zeus and other mythical Godz to tour Rolla next year

by Mark MacDonald and Tim Moran
UMR-IFC

Once again the Godz will descend from Mount Olympus to survey the pending actions of mere mortals in this Fall's Greek Week. The Games, Theme Parties, Idi-Odysseys, Carnival and Greek Bar-B-Que are all scheduled for September 18-26.

Also scheduled are events like a Walkathon to benefit Multiple Sclerosis, the Canned Food Drive to benefit the Salvation Army, the Blood Drive to benefit the Red Cross, the Aluminum Drive to benefit Big Brothers/Big Sisters of Rolla and the ROTC Run/Walk to benefit Rolla United Way. With all this going on, it should be able to keep the Godz mindful and exemplary.

The UMR Interfraternity and Panhellenic Councils are proud to put on this much-anticipated yearly event for all the Greek chapters here at UMR. We are also proud to announce that every chapter has elected a new representative (congratulations to all of you), and we are confident they will make sure everyone has a good time at Greek Week '98.

Irish Times: Members still being accepted

by Daniel K. McCulley Jr.
St. Pat's Committee

Rolla is going to be a scary place come Monday, March 9 because we are going to be invaded by snakes! Luckily we have the freshmen to protect us from those deadly creatures. Armed with shillelaghs, the freshman class will beat back the hordes of snakes saving Rolla for another year. This may seem like a lot of responsibility for freshmen but they have been successfully protecting Rolla for 54 years now.

Another tradition that has lasted through the years is membership in

Greek members, mark your calendars so that when you are done with the first rounds of tests, you'll be ready to cut a rug at another DJ or 70's party. And Senior Reps—start counting down the days!!!

Tentative Schedule for the next year

| | |
|-------------|--|
| March 14 | Kappa Delta Paintball Tournament |
| March 19-24 | Greek Pride Day Canned Food Drive Greek Sing |
| March 28 | UMR-IFC Skate-a-thon |
| April 2 | Sigma Phi Epsilon Softball Tournament |
| April 18 | Greek Pride Day |
| April 24 | Greek Week Blood Drive |
| Sept. 15-17 | Greek Week BBQ |
| Sept. 18-26 | Greek Week |
| Sept. 24 | Greek Carnival |
| Sept. 25 | Greek Carnival |

All dates are subject to change.

If you would like to add an event to further postings of the schedule please place a typed letter involving a description of the event, who will be involved and the date it takes place. All additions to further postings of the schedule are subject to approval by the UMR-IFC.

St. Pat's. Ever since the St. Pat's Board was founded on December 11, 1930, it ranks have boasted some of the most influential and successful leaders on campus. They put on several St. Pat's Celebrations through good and bad times and are responsible for most of the traditions present at UMR.

Now the St. Pat's Committee strives to keep this tradition alive so all may experience the same fun and excitement as in years past. The St. Pat's Committee will still accept new members this year until just before St.

see Members on page 13

Sports

Miners first in region; qualify 11 to nationals

by **Kristen Hartman**
Staff Writer

The University of Missouri-Rolla swim team is the Mideast Regional Swimming Champion, a title it holds for the fifth time in six years. The Miners won the regional meet, held Feb. 19-21 in St. Peters, Mo., by a narrow margin of 20 points over Truman State, their closest competition, and also qualified two more swimmers to the national meet, making a total of 11 national qualifiers which is the most the team has ever had.

It was a tremendous meet for the Miners from all standpoints.

"It was a great win. It's probably even more satisfying because we weren't at full strength for the meet," head coach Mark Mullin said.

The Miners went into the meet with 10 swimmers rested and shaved and eight who were not. Truman State had all but two of its swimmers rested and shaved. With a disadvantage from the beginning, the UMR swimmers had to step up their performances.

"We swam a lot harder because we knew it was going to be a close meet, and Truman was a lot more rested than us," sophomore David Nurre said.

The team's positive and determined mind set also had a significant affect on their performances.

"The guys who were shaved were really pumped up and swam their hardest. We [the unrested swimmers] owed it to them to match that so they could have a good championship meet like last year, and we won last year," sophomore Kris Leftwich said.

The Miners' victory came as the result of strategy and team effort.

"It was back and forth all the way," Mullin said. "The first day's a good day for us scoring wise, and

we came out on top. The second day is our weakest day, and we were surpassed. On the third day, everyone came out and swam really hard [in the prelims] to get the positions we needed [in the finals]."

At the end of the first day of competition, the Miners had 206 points. Truman State had scored 193. At the end of the second day, Truman State had 450 points. The Miners had 439.

Junior Todd Lundberg finished first in the 1650-yard freestyle, the first event of finals on the third day, to begin the team's trek toward a victory. The victory was clinched with a strong first place finish by the 400-yard freestyle relay team of senior Randy Jones, junior Jeff Rueschhoff, and sophomores Leftwich and Tom Beccue. The final score was 672-652, UMR over Truman State.

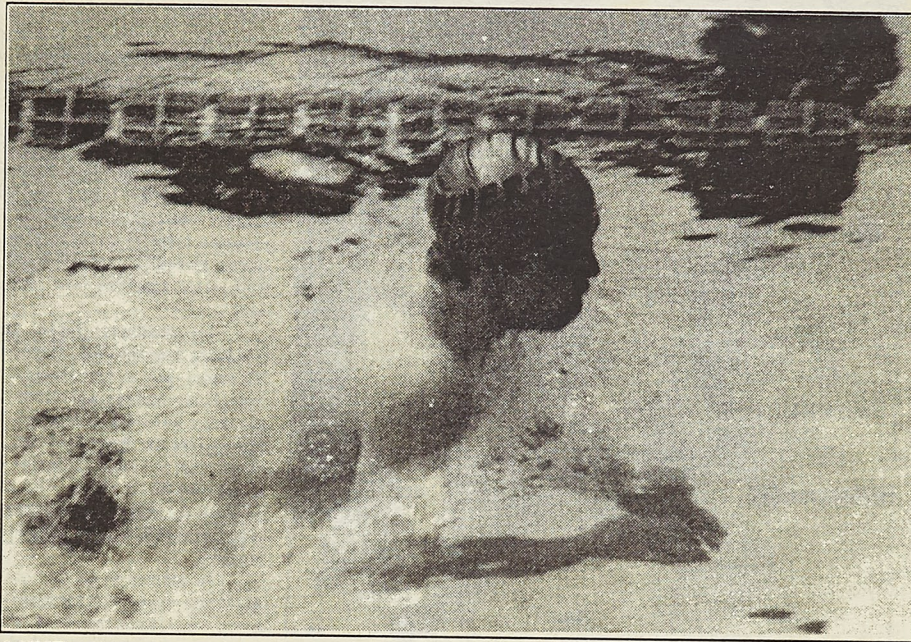
"At crunch time, we always exceed expectations. We're far and away the strongest team in the region," Leftwich said.

The Miners had numerous strong performances throughout the meet.

The 200-yard freestyle relay team of Jones, Rueschhoff, Leftwich and Beccue finished first with a time of 1:24.45 which is an improvement on the time of 1:24.61 that qualified the event for nationals at the Little Rock meet in Dec. This time also qualified Rueschhoff for nationals in that relay and allowed him to qualify in the 50-yard and 100-yard freestyles and the 100-yard butterfly as well.

Sophomore Bruno Amizic had a first place finish in the 200-yard breaststroke with a time of 2:07.70 which beat the national cutoff by 0.09 seconds. Amizic also qualified in the 100-yard breaststroke.

Nurre had a first place finish in the 500-yard freestyle; Beccue finished second in the 50-yard freestyle and third in the 100-yard freestyle;



A UMR swimmer competes in a recent home meet. The Miners have qualified 11 team members for the national competition.
photo by Wendy Hoffman

freshman Eric Carter had a third place finish in the 200-yard IM and a second place finish in the 400-yard IM; freshman Josh Jolly finished third in the 100-yard backstroke, and sophomore Steve Caruso finished third in the 400-yard IM and second in the 200-yard butterfly.

The Miners' regional victory

was a team effort both mentally and physically.

"For our team it [the ability to win] is attitude. Our team is very open and very loud. We're the most competitive team I know," Caruso said.

Mullin agrees.

"It was a team effort. Swim-

ming at UMR is not an individual sport as it's listed in the NCAA manual. They [the swimmers] pull together and lift each other up. I couldn't be more pleased," Mullin said.

The Miners' next meet will be the NCAA Division II Championships in Canton, Ohio, March 11-14.

National Swimming Qualifiers



Event: Qualifier(s), Qualifying time

- 400 Freestyle Relay: UMR (David Nurre, Evan Aspinwall, Mark Pearce, Tom Beccue), 3:05.75.
- 200 Freestyle Relay: UMR (Randy Jones, Kris Leftwich, Jeff Rueschhoff, Beccue), 1:24.45.
- 400 Medley Relay: UMR (Josh Jolly, Tyler Christensen, Steve Caruso, Beccue), 3:29.36.*
- 100 Backstroke: Jolly, 53.47.
- 200 Backstroke: Jolly, 1:55.65.
- 100 Butterfly: Caruso, 51.17; Rueschhoff, 51.81.
- 200 Butterfly: Caruso, 1:53.27.*
- 400 Individual Medley: Pearce, 4:06.04; Caruso, 4:15.47.
- 100 Breaststroke: Christensen, 59.82; Bruno Amizic, 1:00.17.
- 200 Breaststroke: Amizic, 2:07.70; Christensen, 2:10.90.
- 500 Freestyle: Nurre, 4:42.00.
- 200 Freestyle: Nurre, 1:42.14*; Beccue, 1:44.70.
- 100 Freestyle: Beccue, 46.50; Jones, 47.15; Leftwich, 47.25.
- 50 Freestyle: Beccue, 21.02; Jones, 21.62.

* denotes School Record

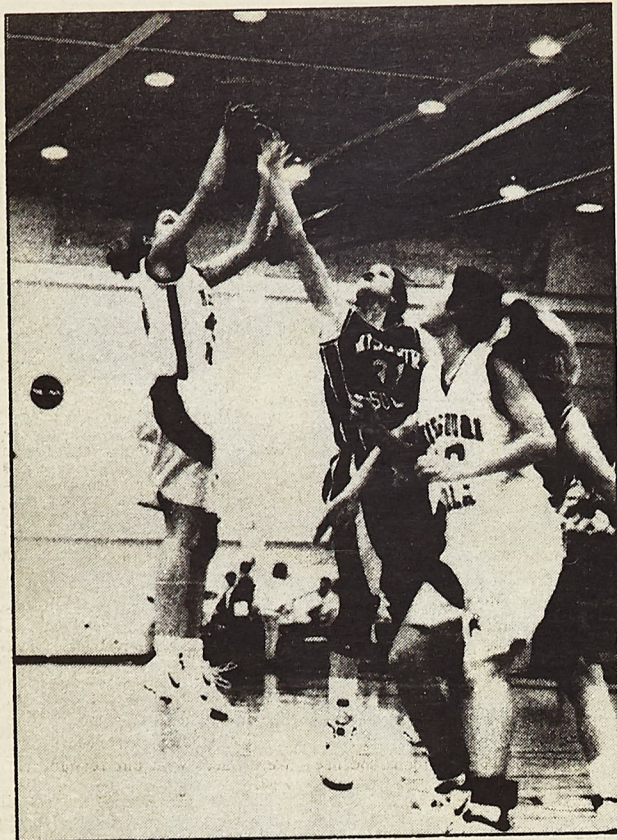
M-Club Athlete



This week's M-Club athlete of the week is track and field distance runner Matt Hagen. His 4:26.07 time in the mile at the Mule Relays was a two second personal best. Hagen was 4th out of 39 runners in the field.

"Matt has been training exceptionally well for the 3000," coach Sarah Preston said. "[He] has gained strength and speed to give him an outstanding race in the mile."

of the week



A Lady Miner goes for two in UMR's final home game. The Lady Miners have a record of 8-18 and 2-14 in the MIAA.
photo by Brian Holley

Lady Miners end season, look to gain backcourt experience

by Chuck Aukland
Staff Writer

The University of Missouri-Rolla Lady Miners basketball team finished the 1997-98 season with a road loss to the Southwest Baptist University Lady Bearcats in Bolivar on Saturday, January 21. The loss wraps up a tough season for the Miners who finished with just two wins in the Mid-America Intercollegiate Athletic Association (MIAA) conference in 16 games. Overall, they finished with an 8-18 record equalling their 1996-97 mark.

The Southwest Baptist game was tough from the start. The Miners fell behind early by not taking care of the ball, not hustling and committing too many turnovers and fouls. The Miners sent the Bearcats to the free throw strip 14 times in the first half where they hit 11 shots. This compares to the Miners who attempted only four foul shots in the half converting three.

In addition to the foul trouble, the Miners committed 13 first half turnovers which were converted to easy buckets by the Bearcats who had nine points off turnovers in the half. Nine of the Bearcats 16 buckets in the half came by way of lay ups. The Miners were already down by 20 with only 10 minutes played in the game. By the end of the half, they trailed by 17, 27-44.

Turnovers and fouls continued to plague the Miners in the second half as well. They committed 16 more turnovers and 18 additional fouls sending

the Bearcats to the line 27 more times where they converted 16.

Unfortunately, the offense did not have a good night either. The Miners hit on only 34% of their shots from the field going 20-59, and only 21% from beyond the three point arc. The Bearcats shot 48% from the field.

"We cannot shoot to save us," head coach Linda Roberts said. "We execute the offense and miss on easy shots," she added.

The Miners were led again in scoring by freshman Amy Milliken led the team with 14 points followed by fellow freshman Miranda Beadles who had 11. Unfortunately, they were the only two Miners in double figures. Debra Gronewoller added eight points in the losing effort followed by Shannon Perry and Jamie Martens who had six a piece.

Senior guard Martens led the team in rebounds grabbing seven boards. She was followed by Amber Fischer with six and Milliken with four.

The game was the last for four of the teams seniors. LeAnn Farmer, Emily Mills, Fischer and Martens played their last games as Miners. Mills finished with 104 career three pointers which puts her second on the Miners all time list.

The loss of Martens and Farmer, the teams two point guards, leaves a hole in the lineup next year for coach Roberts.

"We're going to hit the recruiting trail hard this year. We need a point guard. Hopefully we can get a Ju-co (junior college transfer) player in here with some experience," Roberts said.

The Miners also had trouble shooting and playing with intensity against Missouri Southern University on Wednesday, February 18 in Rolla.

"We can't get the point across you have to play with intensity. You've got to play stronger. We didn't play aggressive early. We had our hands at our sides and didn't go after them on defense," Roberts said.

Again, the Miners were broken early trailing by as much as 12 points in the first half and down by nine at half.

The Lady Lions were on fire in the first half hitting on 49% from the field while the Miners struggled converting only 33% into points. The Lions were tough as well on the post where they grabbed 41 rebounds compared to the Miners' 34, contributing to the high field goal percentage by the Lions who had a lot of easy second opportunities underneath the basket on the offensive end.

The game was one that coach Roberts was hoping for an aggressive effort by her team to avenge an earlier overtime loss to the Lions in Joplin.

"If we didn't turnover the ball like we did against Washburn (University, February 14), we win. We just can't make that many unforced errors and expect to win," Roberts noted.

Milliken was the only Miner in double figures for the night leading the team with 12 points. She was followed by Martens who had nine and three players, Gronewoller, Perry and Sarah Wilcox, had eight each.

Wilcox led the team with seven rebounds followed by Gronewoller with six.

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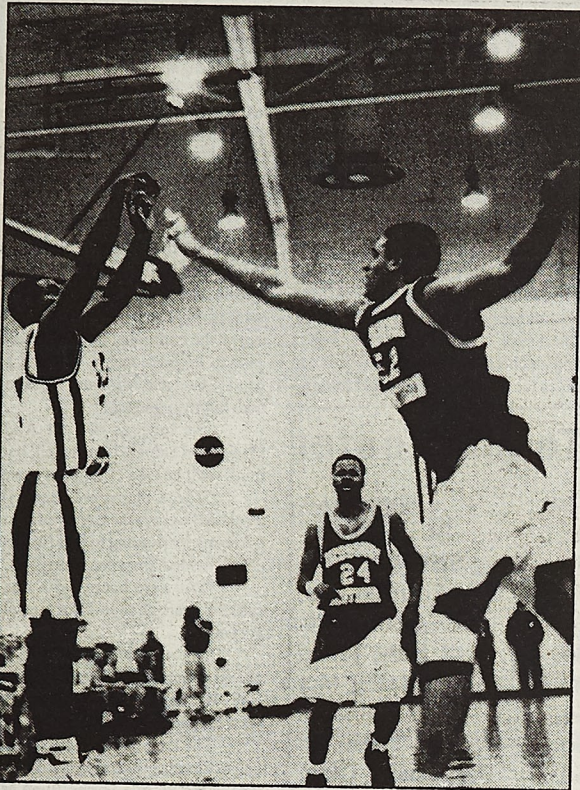
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Miners end regular season, enter playoffs

by **Todd Monroe**
Staff Writer



Miner Scott Holly takes a shot in the Miners' last home game. The Miners defeated the Lions 82-73. UMR's team played its last regular season game against SBU, in which, it lost by a score of 94-81.
photo by Brian Holley

The University of Missouri-Rolla men's basketball team opened the playoffs last night, Tuesday, February 24, on the road against Northwest Missouri. Results for the game were not available at press time. The teams split their two regular season games, each team winning at home. The Miners (12-14, 7-9) battled for a chance to compete in the playoffs while Northwest Missouri (21-5, 13-3) finished the regular season tied for the top ranking in conference.

Players that have been on the injured list for the past few weeks hope to be able to see action during the playoffs. Kevin Robertson has been seeing steadily more gametime in each contest as he recovers and Antoine Lucas, after suffering a knee injury, reports that his knee is in good condition. He saw limited playing time in the Miners' final regular season game.

Forward Marc Tompkins is reportedly day-to-day due to a troublesome back. Coach Dale Martin hopes to escalate the roles of some of these returning players, to ease the strain on the players who have been holding the team during games with little bench support.

The Miners shooting percentage has been climbing. For a good period of the season UMR was routinely finishing games with a field goal percentage in the thirties. As of late, however, the numbers have risen into the forties

with increased support in the backcourt. For a stretch during the season Holly was the only real consistent threat offensively, according to Martin. During the recent games, fellow backcourt mates Robert Guster and Cory Brunson have picked up the slack creating a more potent Miner attack.

Holly said that he thinks that the team has gained a little confidence in its offensive capability.

"I talked to coach about it a while back. It seemed like, for a while, there that whenever I shot the ball well, Cory would fizzle, or when Antoine was in, if he was shooting well, then I wouldn't have a good game," Holly said. He figured that if they could ever start clicking together, however, that they would be in pretty good shape. He said that there is no one on the team that is really afraid to shoot the ball."

The Miners split the last two games of the regular season this past week, including a win at home, and a loss on the road.

The win came against Missouri Southern on Wednesday, February 18. The Miners, after being down 36-26 at half, came back in the second half to take the victory. The Miners scored 56 second half points to Missouri Southern's 37, sealing the Miners' 82-73 victory.

"It was a big win for us, and nice for the seniors," Holly said. "It pretty much secured us a spot in the postseason."

Leading the Miners was Guster with 24 points, four rebounds and three

assists. Following were Brunson with 23 points and three rebounds, Holly with 18 points, seven rebounds and four assists and Ryan Pippett with 13 points and six rebounds. Kevin Conkright contributed two points and four rebounds and Tompkins also pitched in two points. Also seeing game action were Ryan Matthews with two rebounds and Robertson with three rebounds.

Leading the Missouri Southern charge was Matt Olson with 18 points and five rebounds.

The Miners final regular season game was last Saturday, February 21, in Bolivar, Missouri against Southwest Baptist. Down 42-37 at half the Miners could not crawl back, facing nearly 70% shooting from the field on the part of Southwest Baptist in the second half aided by their forward Mark Deveaux who shot seven of eight from three-point land and 11 of 15 overall. The final ended as 94-81 in favor of Southwest Baptist.

Leading the Miners was Holly with 28 points and five rebounds. Following him were Brunson with 22 points and three assists, Pippett with 17 points and seven rebounds, Guster with six points and three rebounds, Conkright with five points and Matthews with three points.

Also adding to the Miner cause were Lucas with one rebound and Robertson with three assists.

Southwest Baptist was lead by Deveaux who scored 32 points in 29 minutes of play and also had three rebounds.

Congratulations To Kappa Delta Sorority

The Alumnae of the Kappa Delta would like to Congratulate the Epsilon Alpha Chapter for getting First in Grades among the Sororities and for beating the All Women's Average for Fall of 1997.



Lady Miner softball team begins season with three wins

by Brad Neuville

Assistant Sports Editor

The University of Missouri-Rolla softball team began their season with a bang this past weekend, winning three games in a rain-shortened North Alabama Tournament.

The Lady Miners played two games on Saturday, February 21 and one game on Sunday, February 22 before their final game was rained out. In Saturday's first game the Lady Miners took a 4-0 decision from Central Arkansas (2-5). Three Lady Miners were 2-for-2 at the plate; outfielder Becca Alt, outfielder Tory Atwood and shortstop Gina Daugherty. In addition to her two hits Daugherty also scored two runs, being driven in by Atwood and sophomore Candice Luehrs. Senior Erin Collins got the victory for the Lady Miners, pitching all seven innings with five strikeouts and only three hits.

In Saturday's second game, the Lady Miners had to come from behind to beat a tough Delta State (2-4) team 9-8. UMR scored seven runs in the bottom of the sixth inning to seal the victory. Alt, Atwood (2), Daugherty and outfielder Kari Kavanagh all had runs batted in (RBI) but the biggest hit of the game was provided by firstbaseman Jaimie Ostman. After reaching base on a single to lead off the sixth inning and then being forced out at second, Ostman came to the plate with two outs and the bases loaded later in the inning. She delivered a double which drove in Daugherty. Alt and Atwood

for the 9-8 lead and the victory. Ostman finished the game with four RBIs.

"The second game [on Saturday] rocked," Daugherty said. "We came back from an 8-2 deficit in the last inning. Jaimie [Ostman] and Tory [Atwood] nailed the ball. Both of them almost hit it over the fence."

"We came from behind twice [last weekend]," thirdbaseman Shawna Morris said. "We also came from behind on Sunday."

The Lady Miners used a final inning rally in Sunday's game to get the victory. Due to the game running up against a time limit and the score being

tied 1-1 a tie-breaking format was installed. Each team played a half an inning beginning with a runner on second base. The Lady Miners converted four runs in that inning for the victory.

The victory was not without its disappointment, however, as starting catcher Sabrina Greenwell suffered an injury to her left knee.

"It's [the injury] still being evaluated," coach Dave Burwell said. "We didn't get much of a diagnosis at the tournament. We're waiting for trainer here to evaluate her."

The injury to Greenwell and an offseason ankle injury to pitcher An-

drea Sager point to what is perhaps the only glaring weakness of the Lady Miner team, the lack of a deep bench with only 13 players on the roster.

"Andrea Sager has a broken left ankle," Burwell said. "She gets her cast off [Tuesday, February 24]. Hopefully in a week we'll know her progress in rehabilitation. She'll be pitching in 2 weeks if all goes well."

"As I talk today we only have 11 healthy people. Even when we're all healthy we have no depth on the bench. The bench is usually reserve pitchers and catchers and that limits what I can do as far as pinch runners and hitters."

"Our motto is no one can get hurt," Daugherty said.

"It's [the lack of bench depth] just something we're going to have to work around," Burwell said.

The team seemed cautiously optimistic when discussing their chances in the upcoming conference season.

"We could be somewhere in the middle of the [conference] pack," Burwell said. "We usually get a better idea in late March when we see how some of the other teams are doing. You expect the traditional powers in conference to be there again. Central Missouri [State] and Missouri Western are both highly regarded."

"As long as we get Andrea [Sager] and Sabrina [Greenwell] back, I think we'll be OK," Daugherty said.

"These teams we faced [this weekend] weren't the caliber of some of the teams we're going to face [in conference]," added Shawna Morris.

"We were happy with our results," Kavanagh said. "But we need to get better."

"We're 3-0," Burwell said. "We played average to good teams this weekend. We looked at this weekend as a good building block."

The Lady Miners will be traveling to Florida over spring break to compete in the Florida Spring Fling Monday, March 2 through Saturday, March 7. The March 2-5 will consist of round-robin action which will determine the seeding for the tournament which will be held on March 6 and 7.

1998 Lady Miner Softball Team Roster

| No. | Name | Pos. | Ht. | Year | Hometown |
|-----|-------------------|-------|-----|------|---------------------|
| 3 | Becca Alt | OF | 5-7 | Sr. | St. Louis, Mo. |
| 5 | Erin Collins | P-OF | 5-3 | Sr. | Schuyler, Neb. |
| 7 | Janice Brush | P | 5-8 | Fr. | New Franklin, Mo. |
| 11 | Heather Davenport | C | 5-7 | Fr. | Godfrey, Ill. |
| 13 | Tory Atwood | OF | 5-4 | So. | Katy, Texas |
| 15 | Jaimie Ostman | 1B | 5-8 | Jr. | Wright City, Mo. |
| 16 | Gina Daugherty | IF | 5-4 | So. | St. Clair, Mo. |
| 17 | Andrea Sager | P-OF | 5-9 | So. | Pekin, Ill. |
| 23 | Shawna Morris | 3B | 5-4 | So. | Bartlesville, Okla. |
| 24 | Candice Luehrs | OF-IF | 5-7 | So. | San Lorenzo, Calif. |
| 25 | Kerri Bokath | 2B-OF | 5-2 | So. | Greendale, Wis. |
| 27 | Kari Kavanagh | OF | 5-6 | Jr. | Downers Grove, Ill. |
| 31 | Sabrina Greenwell | C | 5-8 | Fr. | Harrisonville, Mo. |

Baseball season opens; Miners to travel to Florida

by Jonathan Erdman

Sports Editor

The University of Missouri-Rolla Miner baseball team is going on the road Feb. 27 as they travel to Panama City, Fla. to participate in the Gulf Coast Classic which lasts until March 5.

The Miners opened their season with two losses to College of the Ozarks Feb. 21. Last season, the Miners made it to the conference championships, but lost both games of the series to Central Missouri State University.

The Miners earned a record of 20-19-2 last season and will return most of the 1997 team. Two members of the 1997 team that will not be returning are shortstop Scott Hopper and catcher Mike Williams. Randy Root, last seasons Mid-America Athletic Association "Freshman of the Year," will return for UMR in two roles. His first is as a pitcher. Last season he had a 5.60 earned run average and a record of 3-1. The Miner pitching staff is ranked third in the MIAA and had a team ERA of 5.53. Other returning pitchers include Tom Winkelman, Tim Rhodes, Kevin Hill and Brock Lercher, as well as other starters Jason Cerrano and Steve Ingram. The Miners relievers include leftys Alan Woodyard and Derek Engelstad.

Miner right handers are Brian Eisenloffel, Pat Sisco, Eric Lubeck and Matt Bryant.

Vince Como and Root are both contenders for the starting shortstop position. The two will share the position, but Como may receive more starts because of Root's position as a pitcher.

There are three players in line for the catching position, Kory Mitchell, John McReynolds and Kyle Bruemmer.

The outfield will be staffed by starters Bryant, Dwight Ipock and Andy Dial. Other outfield contenders are Eric Gamble, Jon Blazic and Traveon Northern. The infield is staffed by shortstop as well as Sisco at third base with back up Jeff Morris, Ted Ingalls and Jim Van Iten at second and Jeff Ulrich at first.

The Miners lost their first game against College of the Ozarks by a score of 3-2. The Miners' only runs were earned in the fifth inning. Mitchell hit a home run, and Dial scored after a base on balls and a double by Root giving the Miners a total of two. College of the Ozarks scored runs in the first the fifth and the game ended with their final run in the bottom of the seventh.

The Miners lost the second game 3-4. Ipock scored in the first. Mitchell and Blazic scored in the seventh inning.



Are you interested in sports?

Do you want to make money attending sports events?

Do you want to learn about the journalism process?

Then send an email to Jonathan Erdman at erdman@umr.edu.

Miner Match-up



UMR at MIAA Championships

Site: Warrensburg, Mo.
Date: Sunday and Monday,
March 1 and 2, 1998
Time: TBA

M i n e r s T o W a t c h

Men: Matt Hagen, Ben Mulvaney. Women: Jennifer Frazer, Tracy Jones.

Miner Scores & Stats

Women's Basketball

Wednesday, Feb. 21

Missouri Southern at UMR

| Team | 1st half | 2nd half | Final |
|-----------|----------|----------|-------|
| MO South. | 36 | 33 | 69 |
| UMR | 27 | 32 | 59 |

Saturday, Feb. 21

UMR at Southwest Baptist

| Team | 1st half | 2nd half | Final |
|------|----------|----------|-------|
| UMR | 27 | 31 | 58 |
| SWBU | 44 | 42 | 86 |

Final Season Record: 8-18, 2-14.

Men's Basketball

Missouri Southern at UMR

| Team | 1st half | 2nd half | Final |
|-----------|----------|----------|-------|
| MO South. | 36 | 37 | 73 |
| UMR | 26 | 56 | 82 |

Leading Scorers

UMR: Robert Guster 28, Cory Brunson 23, Scott Holly 18, Ryan Pippett 13.

UMR at Southwest Baptist

| Team | 1st half | 2nd half | Final |
|------|----------|----------|-------|
| UMR | 37 | 44 | 81 |
| SWBU | 42 | 52 | 94 |

Leading Scorers

UMR: Holly 28, Brunson 22, Pippett 17.

Final Regular Season Record: 12-14, 7-9.

Softball

Saturday, Feb. 21

UMR 4, Central Arkansas 0
UMR 9, Delta State 8

Sunday, Feb. 22

UMR 4, Arkansas Moticello 1

Swimming

Mideast Regional

Final Team Scores

UMR 672.5, Truman State 652.5, Northern Iowa 563, Eastern Illinois 457, Indianapolis 372, St. Louis 288, Vincennes 212, Bradley 179.

The Miners enter the national meet as the 3rd ranked NCAA Division II team in the nation!

Baseball

Saturday, Feb. 21

College of the Ozarks 3, UMR 2

College of the Ozarks 4, UMR 3

Season Record: 0-2

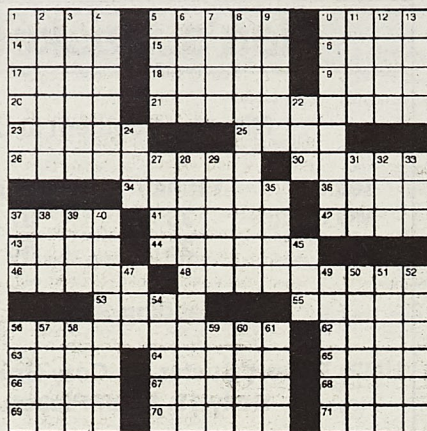
Correction

The records for the UMR Lady Miner Basketball game against Lincoln as reported in the February 18, 1998 edition of the Miner should have been UMR (8-15 overall, 2-11 in conference), Lincoln (5-18, 4-9).

Comics / Diversions

Tribune Crossword

- ACROSS
- Silent greeting
 - Shoestrings
 - Grouch
 - Arkin or King
 - Type of orange
 - Bindlestiff
 - Look after
 - Pacific island group
 - Hardships
 - Pakistani language
 - Eyeglasses
 - Ringo or Bart
 - Sports channel's letters
 - Land in the Irish Sea
 - Examinations
 - Contaminates
 - Mets stadium
 - Tedious undertaking
 - Madagascar primate
 - Tight closure
 - Algerian port
 - Roller coaster again?
 - Doles (out)
 - Withdrawal from the Union
 - Sunup direction
 - Black-and-white animal
 - Relative by marriage
 - Various functions



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2/25/98

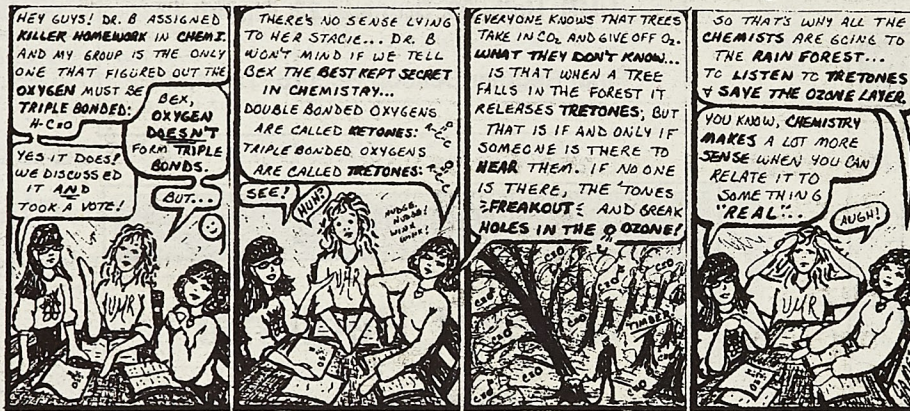
- 63 Byron poem
- 64 "My Cousin Vinnie" actress
- 65 Those opposed
- 66 Parched
- 67 Occupied
- 68 Different
- 69 Soprano Lily
- 70 Prepares to lay eggs
- 71 Clairvoyant
- DOWN
- Popular dance of 1961
 - Periods of readiness
 - Malicious destroyer
 - Last

- Appropriate
- Balderdash
- Mediocre
- Italian soup
- Agassi of tennis
- That girl
- Drink for two?
- Magle of baseball
- Viewpoint
- Manx male
- "We the World"
- Pre-college exam
- Joint protectors
- Psychic's gift
- Dolt
- Tasty toppings
- Extra strip in a shoe
- Danish port
- Former Egyptian leader
- Glossy finish
- "Shot," Newman movie
- Source of poi
- Poetic name of Ireland
- Flightless birds
- Leaf home
- Equal scores

Answers: page 13

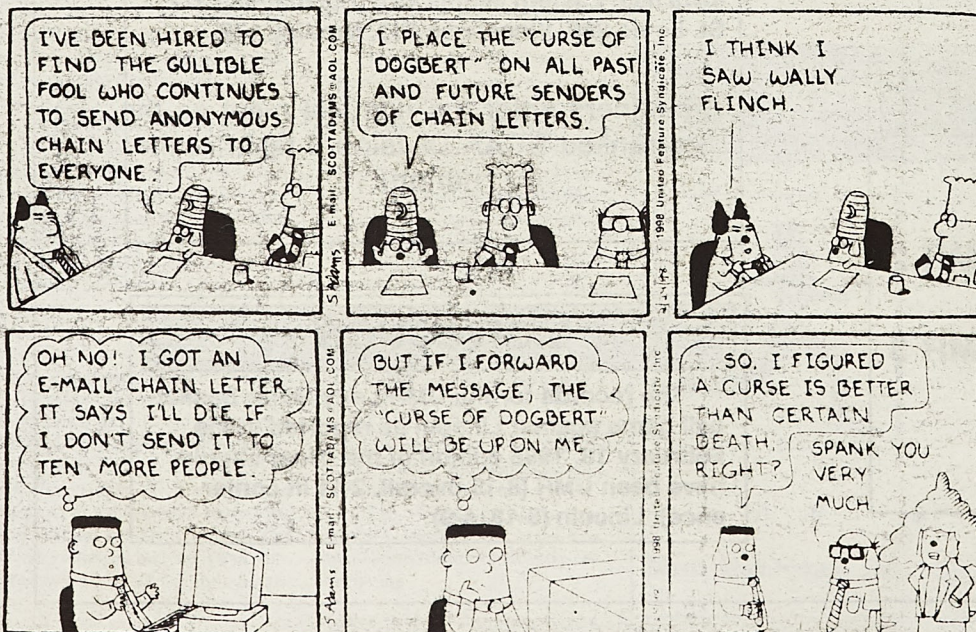
MINER ADJUSTMENTS

By C. James



Dilbert

by Scott Adams



Campus Gossip

Congrats Jamie J!!!
We knew you could do it!
AOT,
Rachel & Kate

Congratulations to the new
Resident Assistants! Good luck on
staff next year.

Campus Gossip is now being accepted free of charge via the WWW only, on a limited basis. Gossip may be submitted at:

<http://www.umr.edu/~miner/gossip.html>

from 8 a.m. Wednesday until noon on Saturday. Submissions are limited to one per person per week and a total of five lines per submission.

Horoscope

for Wednesday, February 25, 1998
from <http://www.astrology.net>

Aries:

You feel the call of the wild today, but it is unlikely to summon you anywhere useful. Irresponsible friends may get you into trouble. You are better off as a leader than as a follower.

Taurus:

This is not a good day for working with others, but there may be no choice in the matter. Your own ambitions make it difficult to accept someone else's reality. A third party may have to intervene.

Gemini:

Take a new approach today. A normal appearance makes unconventional behavior startlingly effective. Your creativity comes as a pleasant surprise.

Cancer:

You are unhappy with the way a group decision has gone after you put in your two cents. If everything always went your way, life would be boring. Take this lesson with you to the next phase.

Leo:

You could be the butt of a practical joke today. Going along with it may get you the last laugh by turning the joke back on the joker. The worst thing you can do is to lose your temper.

Virgo:

A change in routine gives you the chance to experiment. You make a pleasant discovery that would fit well into your life. Today's criticism is more useful than annoying.

Libra:

Friendship and partnership begin on an intellectual level today. Couples will communicate beautifully, while singles will create a favorable climate for telepathy. Play with this moment.

Scorpio:

Older people may dismiss or trivialize your accomplishments. Try not to invite criticism with your attitude. Your sense of style or decoration could be a little off today.

Sagittarius:

Keep your mind and schedule open today. You are quick to comprehend and apply new ideas. Ignore your mother's advice and talk to strangers. Go someplace different and pretend to be someone else.

Capricorn:

Money passes through your hands today, whether you are a buyer or a seller. If buying, carefully consider the value of the purchase you are about to make. If selling, make sure the buyer knows what she's getting.

Aquarius:

With the Moon in Aquarius' house, this is a time for creative thought and original deeds. You find yourself with a loyal entourage who is convinced of your ability to walk on water. Do not disappoint them!

Pisces:

You are easily distracted today, making you useless for anything important. This could be a fun time if you are able to get out of your responsibilities. Anyone who talks to you recognizes your wisdom.

Fire

continued from page 2

explode," Wight said.

"Undamaged explosive usually will burn at a rate of one inch per second if you have a block and light one end. Because hot gases can move through damaged explosives, those materials can burn up to several hundred yards per second. Sometimes damaged explosives can undergo a transition from burning to detonation, and a shock wave will travel up to 9,000 yards per second through the material. That's an extremely violent detonation."

So "it is important to characterize how explosives are damaged."

C-SAFE initially will develop software to simulate heating of explosives in a fire, such as a jet-fuel fire after the crash of a plane carrying an atomic bomb, which contains conventional and nuclear explosives.

To test the software's accuracy, explosions will be set off at Thiokol Corp.'s Promontory facility, west of Brigham City.

"They will take a small container filled with explosives and suspend it over a fire from a pool of kerosene, and they will measure temperatures and pressures inside the container of explosives as a function of time," Wight said.

Thiokol chemist Jerry Hinshaw said initial explosions "will be relatively small. Later tests could involve much larger explosions."

Wight's research group uses two methods to study molecular steps involved when an explosive ignites and burns before detonating. He said he uses such small amounts there is no danger of a blast in his lab.

The first method uses lasers "to simulate conditions of explosions," by burning rather than blowing up the explosive.

A tiny amount of explosive is applied to a thin, glasslike disk, then zapped by a laser for 35 millionths of a second, heating the explosive to 1,112 degrees Fahrenheit and igniting it.

But the process is immediately halted, literally frozen because the explosive is sandwiched between blocks of cesium iodide salt chilled to 423 degrees below zero Fahrenheit. The explosive cools in 100 millionths of a second, capturing byproducts of the first chemical reaction involved when the explosive ignites.

"We shine infrared light through the sample and measure what wavelengths are absorbed," said Wight. "That tells us the chemical composition" of the byproducts and thus molecular details of an explosion's first step.

Wight also uses a method called thermogravimetric analysis.

"We hang a small sample of explosive or propellant in a balance," and a small furnace surrounds the sample and burns it.

By tracking the explosive's dwindling weight as it burns, "we measure the rate at which the material is converted to gases," he said. "That allows us to predict how fast reactions occur as a function of time and temperature."

Information from both methods will help Wight and his students devise formulas that predict, under various conditions, the details of chemical reactions in fires and explosions. Those formulas will become part of the fire-simulation software.

Wight's work is only one part of C-SAFE, which so far includes about 50 faculty, postdoctoral fellows, graduate students and undergraduates at Utah, plus some from Utah State and Brigham Young universities and staff from Thiokol. The project includes chemists, engineers, materials scientists and computer scientists.

The fire-simulation software first will run on powerful computers at Utah and later on supercomputers at two national laboratories: Los Alamos in New Mexico and Lawrence Livermore in California, Wight said.

Past simulations of fires and explosions were based on data collected in the laboratory that related fire to variables like temperature and gas pressure, he said. If the computer tried to simulate a fire at temperatures and pressures beyond what could be done in a lab, the simulation could be inaccurate.

C-SAFE's fire simulations will be different because they will use a database that includes not only conditions during a fire, but what is happening at the molecular level during a fire.

"We can do calculations on a molecular level and make a more intelligent estimate of the real behavior of the fire," said Wight.

"When we get into unknown conditions, we can ask what are the molecules doing and how does that translate into the larger-scale behavior of fires and explosions."

Friends

from page 6

perienced it," said Kim a June grad from the University of Minnesota. "You can be friends, but more or less it's acquaintances. It would be hard thing [to be friends]. You share so much when you're dating if, when you break up, it's not for great reasons there are hard feelings," she said.

"And if there are not hard feelings you can still have feelings for them. Memories still linger," she added. But aren't memories what can keep you close and connected? Maybe for a while.

"You can put in a valiant effort," said Danna, "but you move on." And

that's easy for Danna to say since she is getting married to her University of Minnesota college sweetheart very soon and has that security of shoving off with a bird in the hand. "I'm not friends with any of my ex-boyfriends." Although, when asked, she said that if she needed a favor she could call an ex and they'd help her out.

"Yes, but it's not a friendship in the maintain-on-a-regular-basis [way]." But why not, especially since she's getting married and there's no threat of a re-match? "It would be a little awkward." But what's a little awkwardness between friends? Like Arty said, "I mean you've seen them naked so... of course you're friends."

"Well, I'm friends with all my ex's," said Arty, a University of Wisconsin grad hiding in Portland, "No, really. At some stage in your relationship you've been just friends. So unless they have done some irreparable harm..." You're friends. "Yes!" And Arty said he would hang out with his exs if they lived in the same state, but for now, he talks to them often on the phone. "Of course you can be just friends. Just look Jerry [Seinfeld] and Elaine!"

So go ahead and call up all your old lovers and try and be best pals. Tell them you want to try the Jerry and Elaine just-friends-thing. But beware, aren't Jerry and Elaine suppose to get married at the end of season?

Classifieds

1987 Nissan 300ZX. 3.0 liter V6 and 5-speed manual. Loaded with power everything and t-tops. Black ext. and black/gray int. High miles and needs some TLC. Accepting bids over \$1000. 368-2976 or spr@umr.edu.

Wanted: Used Mountain Bike in good condition. \$75-\$100. Call Dan at 341-8754.

BEST HOTELS, LOWEST PRICES
All SPRINGBREAK locations.
From \$89. Reserve rooms now or be our ICP Campus Rep. 800-828-7015

HELP WANTED.....
Men/Women earn \$375 weekly processing/assembling Medical I.D. Cards at home. Immediate openings, your local area. Experience unnecessary, will train. Call Medicaid 1-541-386-5290 Ext. 118M

Classified Ads are free for students and may be submitted to the Miner at 1200 N. Pine, or via e-mail at miner@umr.edu.

CHANGE THE WORLD ONE TOOTHBRUSH AT A TIME.

Call 1-800-27-START for a brochure on volunteer opportunities with Head Start.



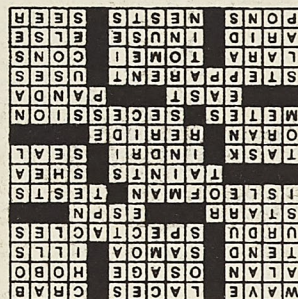
NO U TURN

This is no time to turn back. Keep MDA's lifesaving research moving forward.

MDA
Muscular Dystrophy Association
1-800-572-1717

Solution to Tribune Crossword Puzzle.

Puzzle appears on page 12.



Members

from page 6

Pat's begins. If you want to be part of the best organization on campus and carry on a tradition that has lasted 90 years, don't wait. Call our recruitment chairman, Jasin Randazzo, at 341-5528 or e-mail randazzo@umr.edu and join this semester.

We will be hold a meeting tonight in ME 104 to discuss rules, participation, and most importantly new membership. So come out get the information and get ready because the 90th Annual Best Ever St. Pat's 1998 is only 22 daze away!

Light

from page 5

negative, but it really isn't. You really have to think about yourself and what you want out of life. No one is going to "give" you anything. Not even a job. You have to work at it, but you also have to like what you are doing or you'll be miserable.

The point is life is so full of new and exciting things. Even if you can't see the light yet look forward to these new things. Just work hard and try to stay positive and everything you want will happen. It takes work, but once you are there it is so worth it. I hope everyone has a safe and wonderful Spring Break! Remember to wish me luck before you leave. "HAPPY HAPPY JOY JOY!"

Engineer

MANUFACTURING TEST ENGINEER

White-Rodgers has an immediate opening for a Manufacturing Engineer to establish and maintain high quality and cost effective methods, equipment and tooling for test procedures.

Your primary responsibilities will be to develop specifications for replacement test equipment, tooling and procedures to improve productivity of production processes; provide technical advice and service to support production; insure ISO 9000 compliance, implement preventive maintenance program, as well as analyze and troubleshoot equipment problems to minimize downtime.

Ideal candidates will possess a minimum 3-5 years experience or equivalent in fields directly related to testing of gas valves or related products, and possess a working knowledge of valve testing requirements, electrical control systems and test devices.

White-Rodgers offers a competitive wage and benefit package, including medical, dental, STD, life insurance as well as retirement savings plan and pension plan. Qualified candidates should submit resume and salary history in confidence to: **White-Rodgers, Attn: Human Resources Manager, 303 N. Industrial Park Rd., Harrison, AR 72601. eoe mfdv.**

White-Rodgers, Division of Emerson Electric Co.



Employment

Full-Time

ALVERY SYSTEMS INC Method: PRS-OPEN
 9301 Olive Interview Date: 03/24
 St. Louis, MO 63132
 Attn: Ms. Kathy Abernathy, Human Resources Manager
 Degree Level: B Minimum GPA: 2.000
 Majors: MECH
 Grad Dates: 0598 0798
 Citizenship:
 Position Available: Mechanical Design Engineer
 Position Location: St. Louis, MO
 Deadline for submitting resumes: March 2
 www.alvey.com

AMERICAN CYANAMID Method: PRS-OPEN
 PO Box 817 Interview Date: 02/27
 Hannibal, MO 63401
 Attn: Ms. Kristi Mitchell, Human Resources Clerk
 Degree Level: B Minimum GPA: 2.950
 Majors: CHE
 Grad Dates: 1297 0598 0798
 Citizenship:
 Position Available: Process Engineer
 Position Location: Hannibal, MO
 Deadline for submitting resumes: February 20
 These will be one hour interviews - one half hour each with two different recruiters

BETZDEARBORN Method: PRS-OPEN
 4636 Somerton Road Interview Date: 03/23
 Trevoise, PA 19053
 Attn: Mr. Michael Cuff, Sr. Staffing Specialist
 Degree Level: B Minimum GPA: 2.000
 Majors: CHE MET NUCL CER CIVL ENPL MECH PETR
 Grad Dates: 0598 0798 1298
 Citizenship:
 Position Available: Sales Trainees
 Position Location: Midwest
 Deadline for submitting resumes: March 2
 www.betzdearborn.com

CERNER CORPORATION Method: PRS-OPEN
 2800 Rockcreek Parkway Interview Date: 03/26
 Kansas City, MO 64117-2551
 Attn: Ms. Sue Hochhalter, Campus Recruiter
 Degree Level: B M Minimum GPA: 2.000
 Majors: ELEC CMPS MGTS
 Grad Dates: 1297 0598 0798
 Citizenship:
 Position Available: Programmer; Analyst
 Position Location: Kansas City, MO
 Deadline for submitting resumes: March 4
 PRE-RECRUITMENT MEETING: Wednes, March 25, 7:00 p.m. - Details to follow
 Information on position available in 301 Norwood Hall
 www.cerner.com

EMPIRE DISTRICT ELECTR Method: PRS-OPEN
 602 Joplin Street Interview Date: 03/25
 Joplin, MO 64801
 Attn: Ms. Lynne Teaford, Sr. HR Assistant
 Degree Level: B Minimum GPA: 2.000
 Majors: CMPS MGTS
 Grad Dates: 0598 0798
 Citizenship:
 Position Available: Information Systems Analyst
 Position Location: Joplin, MO
 Deadline for submitting resumes: March 4
 Information on position available in 301 Norwood Hall
 www.empiredistrict.com

FISHER CONTROLS/VALVE Method: PRS-OPEN
 205 South Center Street Interview Date: 03/24
 Marshalltown, IA 50158-2823
 Attn: Ms. Margaret Allen, Human Resources Secretary
 Degree Level: B Minimum GPA: 2.450
 Majors: CHE ELEC EMAN MECH
 Grad Dates: 0598 0798
 Citizenship: US Only
 Position Available: Application Engineer
 Position Location: Marshalltown, IA
 Deadline for submitting resumes: March 3
 PRE-RECRUITMENT MEETING: Mond, March 23, 6:30 p.m. - Details to follow
 Information on position available in 301 Norwood Hall

FRU-CON ENGINEERING, INC Method: PRS-OPEN
 15933 Clayton Road Interview Date: 03/18
 Ballwin, MO 63011
 Attn: Mr. Gary Maule, Director of Training & Performance Dev
 Degree Level: B Minimum GPA: 2.950
 Majors: CIVL ELEC EMAN MECH
 Grad Dates: 0598 0798
 Citizenship: US/Perm
 Position Available: Engineers
 Position Location: St. Louis, MO
 Deadline for submitting resumes: March 2

INET, INC. Method: PRS-OPEN
 1255 West 15th Street Interview Date: 03/24
 Plano, TX 75075
 Attn: Ms. Glenda Barrett, Recruiting Mgr.
 Degree Level: B M Minimum GPA: 2.950
 Majors: ELEC CMPS
 Grad Dates: 0598 0798
 Citizenship:
 Position Available: Software Engr/Programer; Tech Support Engr
 Position Location: Plano, TX
 Deadline for submitting resumes: March 3
 www.inetinc.com

INGERSOLL-RAND COMPANY Method: Open
 Highway 45 South Interview Date: 02/24
 Mayfield, KY 42066
 Attn: Ms. Shannon Crisp, Human Resources
 Degree Level: B Minimum GPA: 2.700
 Majors: EMAN MECH
 Grad Dates: 1297 0598 0798
 Citizenship:
 Position Available: Engineer-in-Training
 Position Location: Mayfield, KY
 OPEN SIGN-UP DATE: Immediately

LEXMARK INTERNATIONAL Method: PRS-FCFS
 740 New Circle Road Interview Date: 02/24
 Lexington, KY 40511
 Attn: Ms. Lesley Sizemore-Hardin, Manager of Recruiting
 Degree Level: B Minimum GPA: 3.500
 Majors: CMPS
 Grad Dates: 0598 00
 Citizenship: US/Perm
 Position Available: Information not available
 Position Location: Unknow but probably Lexington, KY
 List of names received from company

MINNESOTA MINING & MFG Method: PRS-OPEN
 3M Center Bldg. 224-1W Interview Date: 03/24
 St. Paul, MN 55144
 Attn: Ms. Pam Brokaw, College Rel Coordinator
 Degree Level: B Minimum GPA: 2.950
 Majors: CHE EMAN
 Grad Dates: 1297 0598 0798
 Citizenship: US/Perm
 Position Available: Engineer
 Position Location: Nationwide
 Deadline for submitting resumes: March 2
 PRE-RECRUITMENT MEETING: Mond, March 23, 6:00 p.m. - Details to follow
 Information on position available in 301 Norwood Hall
 www.mmm.com

MOTOROLA - CELLULAR GROUP Method: PRS-OPEN
 600 North US Hwy 45 Interview Date: 03/23
 Libertyville, IL 60047
 Attn: Ms. Diane Zimmer, College Relations - HR
 Degree Level: B M Minimum GPA: 2.750
 Majors: ELEC CMPS MGTS
 Grad Dates: 1295 0598 0798
 Citizenship:
 Position Available: Information not available
 Position Location: Unknown
 Deadline for submitting resumes: February 26

MOTOROLA - CELLULAR GROUP Method: PRS-OPEN
 5555 North Beach Street Interview Date: 03/25
 Ft. Worth, TX 76137-2794
 Attn: Ms. Lynita Rogers, College Recruiting Coord
 Degree Level: B M Minimum GPA: 2.000
 Majors: ELEC CMPS
 Grad Dates: 1297 0598 0798
 Citizenship: US/Perm
 Position Available: Engineers
 Position Location: Ft. Worth, TX
 Deadline for submitting resumes: March 4

OLIN BRASS Method: PRS-OPEN
 PO Box 51519 Interview Date: 03/24
 Indianapolis, IN 46251-0519
 Attn: Mr. Terry Sitze, Mgr Admin Services
 Degree Level: B M Minimum GPA: 2.250
 Majors: ELEC MECH
 Grad Dates: 1297 0598 0798
 Citizenship: US/Perm
 Position Available: Engineers
 Position Location: Indianapolis, IN
 Deadline for submitting resumes: March 3

SBC COMMUNICATIONS INC Method: PRS-OPEN
 One Bell Center, Suite 224 Interview Date: 03/24
 St. Louis, MO 63101
 Attn: Mr. Mark Jacobi, Manager, Corp Staffing
 Degree Level: B Minimum GPA: 3.100
 Majors: ELEC EMAN MECH CMPS MGTS
 Grad Dates: 0598 0798
 Citizenship: US Only
 Position Available: Information not available
 Position Location: Midwest
 Deadline for submitting resumes: March 3
 www.sbc.com

Wednesday, February 25, 1998
 BERGER-GE...
 South Dairy Ashb...
 TX 77077
 Mr. Robert Hench...
 Level: B M M...
 GEOL AMT...
 Dates: 1297 0598...
 US/Perm...
 Available: Fiel...
 Location: Hou...
 for submit...
 RECRUITMENT...
 www.sbc.com
 WITH TOOLS...
 North Waverly...
 City, OK 74601...
 Mr. Robert Slaug...
 Level: B M M...
 MECH...
 Dates: 0598 0798...
 US/Perm...
 Available: Pro...
 Location: Pon...
 for submit...
 RECRUITMENT...
 www.smith-intl.com
 ANACOM...
 West Park...
 Louis, MO 63110...
 Mr. Craig Colv...
 Level: B M M...
 ELEC EM...
 Dates: 1297 0598...
 US/Perm...
 Available: Pro...
 Location: St...
 for submit...
 www.scom.com
 SOUTHWESTERN PU...
 Blake St. Suite...
 Denver, CO 80202...
 Mr. Mark Genki...
 Level: B M M...
 ELEC...
 Dates: 0598 0798...
 US/Perm...
 Available: El...
 Location: Ros...
 for submit...
 RECRUITMENT...
 Information on position...
 www.ncenergies.com
 PRINT...
 Metcalf KSOPKE...
 land Park, KS 66...
 Ms. Michelle r...
 Level: B M M...
 ELEC...
 Dates: 0598 0798...
 US/Perm...
 Available: Ne...
 Location: Kan...
 for submit...
 RECRUITMENT...
 www.sprint.com
 RECRUITING DATE C...
 Enterprise Rent A...
 M...
 BETZDEARBORN...
 Somerton Road...
 Trevoise, PA 19053...
 Mr. Michael Cuf...
 Minimum GPA: 2.000...
 Majors: CHE MET...
 Level: Must be k...
 Citizenship: Must be k...
 Position Available: Su...
 Position Location: Mid...
 OPEN SIGN-UP DATE...
 www.betzdearborn.com
 COORS CERAMICS C...
 800 9th Street...
 Golden, CO 80401...
 Mr. Matthew Sc...
 Minimum GPA: 2.000...
 Majors: CER...
 Level: Must be k...
 Citizenship: Must be k...
 Position Available: Su...
 Position Location: Gol...
 for submit...
 www.coorsceramics.com

SCHLUMBERGER-GECO-PRAK Method: PRS-OPEN
 1325 South Dairy Ashfo Interview Date: 03/24
 Houston, TX 77077
 Attn: Mr. Robert Henchoz, Recruiting Mgr/N&S America
 Degree Level: B M Minimum GPA: 2.650
 Majors: GEOL AMTH ELEC PHYS CMPS
 Grad Dates: 1297 0598 0798 1298
 Citizenship: US/Perm
 Position Available: Field Engr; Seismic Data Process; Field Data Proce
 Position Location: Houston; Commute International
 Deadline for submitting resumes: February 26
 PRE-RECRUITMENT MEETING: Mond, March 23, 6:00 p.m.-Details to follow
 www.slb.com

SMITH TOOLS Method: PRS-OPEN
 1405 North Waverly Interview Date: 03/24
 Ponca City, OK 74601
 Attn: Mr. Robert Slaughter, Manager of Mining Bit Engr
 Degree Level: B M Minimum GPA: 2.950
 Majors: MECH
 Grad Dates: 0598 0798
 Citizenship: US/Perm
 Position Available: Project Engr; Associate Engr
 Position Location: Ponca City, OK
 Deadline for submitting resumes: March 3
 PRE-RECRUITMENT MEETING: Mond, March 23, 6:00 p.m.-Details to follow
 www.smith-intl.com

SONACOM Method: PRS-OPEN
 5555 West Park Interview Date: 03/13
 St. Louis, MO 53110
 Attn: Mr. Craig Colvin, Director of Project Management
 Degree Level: B Minimum GPA: 2.300
 Majors: ELEC EMAN
 Grad Dates: 1297 0598 0798
 Citizenship:
 Position Available: Project Management
 Position Location: St. Louis, MO
 Deadline for submitting resumes: February 27
 www.sonacom.com

SOUTHWESTERN PUBLIC SERVICE Method: PRS-OPEN
 1730 Blake St Suite 1 Interview Date: 03/24
 Denver, CO 80202
 Attn: Mr. Mark Genkinger, Staffing Specialist
 Degree Level: B M Minimum GPA: 2.000
 Majors: ELEC
 Grad Dates: 0598 0798
 Citizenship: US/Perm
 Position Available: Electricla Engineer
 Position Location: Roswell, NM; Amarillo, TX; Lubbock, TX
 Deadline for submitting resumes: March 2
 PRE-RECRUITMENT MEETING: Mond, March 23, 6:00 p.m.-Details to follow
 Information on position available in 301 Norwood Hall
 www.ncenergies.com

SPRINT Method: PRS-OPEN
 9300 Metcalf KSOPKB100 Interview Date: 03/26
 Overland Park, KS 66212
 Attn: Ms. Michelle r. Davila, College Relations Coordinator
 Degree Level: B M Minimum GPA: 2.950
 Majors: ELEC
 Grad Dates: 0598 0798 1298
 Citizenship:
 Position Available: Network Engineer
 Position Location: Kansas City, MO/KS
 Deadline for submitting resumes: March 3
 PRE-RECRUITMENT MEETING: Wednes, March 25, 6:30 p.m.-Details to follow
 www.sprint.com

SPRINT Method: PRS-OPEN
 9300 Metcalf KSOPKB100 Interview Date: 03/26
 Overland Park, KS 66212
 Attn: Ms. Michelle R. Davila, college Relations Coord
 Degree Level: B M Minimum GPA: 2.950
 Majors: ELEC EMAN CMPS
 Grad Dates: 0598 0798 1298
 Citizenship:
 Position Available: Associate Financial Analyst
 Position Location: Kansas City, MO/KS Metro Area
 Deadline for submitting resumes: March 3
 PRE-RECRUITMENT MEETING: Wednes, March 25, 6:30 p.m.-Details to follow
 www.sprint.com

SPRINT Method: PRS-OPEN
 9300 Metcalf KSOPKB100 Interview Date: 03/26
 Overland Park, KS 66212
 Attn: Ms. Michelle R. Davila, College Relations Coord
 Degree Level: M PhD Minimum GPA: 2.950
 Majors: AMTH ELEC PHYS CMPS
 Grad Dates: 0598 0798 1298
 Citizenship:
 Position Available: Member Technical Staff
 Position Location: Kansas City, MO/KS Metro Area
 Deadline for submitting resumes: March 3
 PRE-RECRUITMENT MEETING: Wednes, March 25, 6:30 p.m.-Details to follow
 www.sprint.com

VSM ABRASIVES Method: PRS-OPEN
 PO Box 250 Interview Date: 03/09
 O'Fallon, MO 63366
 Attn: Mr. Scott David, Sr. Applications Engineer
 Degree Level: B Minimum GPA: 2.950
 Majors: EMAN MECH
 Grad Dates: 0598 0798
 Citizenship: US/Perm
 Position Available: Applications Engineer
 Position Location: O'Fallon, MO
 Deadline for submitting resumes: February 25
 Information on position available in 301 Norwood Hall

WESTINGHOUSE SAVANNA RIVER CO Method: PRS-OPEN
 Building 719-4A Interview Date: 03/23
 Aiken, SC 29808
 Attn: Mr. Lamar Cherry, Senior HR Representative
 Degree Level: B Minimum GPA: 2.750
 Majors: CHE ELEC GEE MET NUCL MECH
 Grad Dates: 1297 0598 0798
 Citizenship: US Only
 Position Available: Associate Engineer
 Position Location: Aiken, SC
 Deadline for submitting resumes: February 26

CLIENT SERVER SOLUTIONS, INC. Method: PRS-OPEN
 2008 Altom Ct., Suite 100 Interview Date: 03/25
 St. Louis, MO 63146-4151
 Attn: Mr. Mark Childers, Director, Software Development
 Degree Level: B M Minimum GPS: 2.000
 Majors: CMPS MGTS
 Grad Dates: 1297 0598 0798
 Citizenship: US/Perm
 Position Available: Software Developer
 Position Location: St. Louis, MO
 Deadline for submitting resumes: February 26
 www.csrads.com

NOTE: The above listing appeared last week under "Sprint". That is incorrect and this is the correct company and information.

Changes

RECRUITING DATE CHANGE:
 Enterprise Rent A Car - Recruiting date CHANGED TO
 March 27, 1998

CANCELLATIONS:
 MidCon/Natural Gas Pipeline - CANCELLED March 12
 Ingram Micro - CANCELLED February 24
 Texas Instruments - CANCELLED Sales & Marketing only
 March 11 and 12

Summer

BETZDEARBORN Method: Open
 4636 Somerton Road Interview Date: 03/23
 Trevose, PA 19053
 Attn: Mr. Michael Cuff, Sr. Staffing Specialist
 Minimum GPA: 2.000
 Majors: CHE MET NUCL CER CIVL ENPL MECH PETR
 Grad Level: Must be Freshman, Sophomore or Junior
 Citizenship:
 Position Available: Summer Intern
 Position Location: Midwest
 OPEN SIGN-UP DATE: March 16 - 8:00 a.m.
 www.betzdearborn.com

COORS CERAMICS COMPANY Method: PRS-OPEN
 800 9th Street Interview Date: 03/23
 Golden, CO 80401
 Attn: Mr. Matthew Schaefer, Materials Engineer
 Minimum GPA: 2.000
 Majors: CER
 Grad Level: Must be at least a Sophomore
 Citizenship:
 Position Available: Summer Intern
 Position Location: Golden, CO
 Deadline for submitting resumes: March 2
 www.coorsceramics.com

MOTOROLA - CELLULAR GROUP Method: PRS-OPEN
 600 North US Hwy 45 Interview Date: 03/23
 Libertyville, IL 60047
 Attn: Ms. Diane Zimmer, College Relations - HR
 Minimum GPA: 2.750
 Majors: ELEC CMPS MGTS
 Grad Level: Must be at least a Sophomore
 Citizenship:
 Position Available: Summer Intern
 Position Location: Unknown
 Deadline for submitting resumes: February 26

SBC COMMUNICATIONS INC Method: PRS-OPEN
 One Bell Center, Suite Interview Date: 03/24
 St. Louis, MO 63101
 Attn: Mr. Mark Jacobi, Manager, Corp Staffing
 Minimum GPA: 3.100
 Majors: ELEC EMAN MECH CMPS MGTS
 Grad Level: Must be at least a Sophomore
 Citizenship: US Only
 Position Available: Summer Intern
 Position Location: Midwest
 Deadline for submitting resumes: March 3
 www.sbc.com

SCHLUMBERGER-GECO-PRAK Method: PRS-OPEN
 1325 South Dairy Ashford Interview Date: 03/24
 Houston, TX 77077
 Attn: Mr. Robert Henchoz, Recruiting Mgr/N&S America
 Minimum GPA: 2.650
 Majors: GEOL AMTH ELEC PHYS CMPS
 Grad Level: Junior
 Citizenship: US/Perm
 Position Available: Summer Intern
 Position Location: Unknown
 Deadline for submitting resumes: February 26
 PRE-RECRUITMENT MEETING: Mond, March 23, 6:00 p.m. -Details to Follow
 www.slb.com

SPRINT Method: PRS-OPEN
 9300 Metcalf KSOPKB100 Interview Date: 03/26
 Overland Park, KS 66212
 Attn: Ms. Michelle R. Davila, College Relations Coord
 Minimum GPA: 2.950
 Majors: ELEC EMAN CMPS
 Grad Level: Must be at least a Sophomore
 Citizenship:
 Position Available: Summer Intern - Access Analyst
 Position Location: Kansas City, MO/KS Metro area
 Deadline for submitting resumes: March 3
 PRE-RECRUITMENT MEETING: Wednes, March 25, 6:30 p.m. -Details to follow
 www.sprint.com

SPRINT Method: PRS-OPEN
 9300 Metcalf KSOPKB100 Interview Date: 03/26
 Overland Park, KS 66212
 Attn: Ms. Michelle R. Davila, College Relations Coord
 Minimum GPA: 2.950
 Majors: AMTH ELEC PHYS CMPS
 Grad Level: Must be at least a Sophomore
 Citizenship:
 Position Available: Summer Intern - Member Technical Staff
 Position Location: Kansas City, MO/KS Metro Area
 Deadline for submitting resumes: March 3
 PRE-RECRUITMENT MEETING: Wednes, March 25, 6:30 p.m. -Details to follow
 www.sprint.com

AB Chance Sign-up Method: PRS-OPEN
 Date of Interview: 03/27
 Majors: EMAN MECH CHE
 Minimum GPA: 2.750 Must be Sophomore Junior Senior standing.
 Sign-up released 2/10/98 SCHEDULE CLOSED FOR SIGN-UPS 3/13/98 8AM
 WORK LOCATION: CENTRALIA, MISSOURI START 1ST CO-OP WORK SESSION MAY/JUNE 1998

AB Chance Sign-up Method: PRS-OPEN
 Date of Interview: 04/06
 Majors: ELEC
 Minimum GPA: 2.750 Must be Sophomore Junior Senior standing.
 Sign-up released 2/10/98 SCHEDULE CLOSED FOR SIGN-UPS 3/16/98 8AM
 WORK LOCATION: CENTRALIA, MISSOURI
 START 1ST CO-OP WORK SESSION MAY/JUNE 1998

Adtran, Inc. Sign-up Method: Open
 Date of Interview: 03/10
 Majors: ELEC
 US/Perm
 Minimum GPA: 2.950 Must be Sophomore Junior standing
 Sign-up released 2/24/98 Schedule closed for sign-ups 3/4/98 8am
 Work Location: Huntsville, Alabama
 start 1st co-op work session May/June 1998, August 1998
 IF SELECTED TO INTERVIEW, PICK UP APPLICATION 303D NORWOOD HALL, CO-OP OFFICE

Advanced Circuitry Div-Litton Sys. Sign-up Method: Open
 Date of Interview: 03/18
 Majors: MECH CHE
 US/Perm
 Minimum GPA: 2.450 Must be Junior Senior standing
 Sign-up released 2/23/98 SCHEDULE CLOSED FOR SIGN-UPS 3/13/98
 WORK LOCATION: SPRINGFIELD, MO
 TITLE - ENGINEERING ASSISTANT
 webpage address - littonacdpc.com

Aluminum Co. of America Sign-up Method: PRS-CLOSED
 Date of Interview: 02/26
 Majors: ELEC CMPS
 Minimum GPA: 2.350 Must be Sophomore Junior Senior standing.
 Sign-up released 1/20/98 Schedule closed for sign-ups 2/9/98 8am
 Work Location: Davenport, Iowa
 START 1ST CO-OP WORK SESSION JUNE 1998, AUGUST 1998, OR JANUARY 1998

American Airlines Sign-up Method: PRS-OPEN
 Date of Interview: 03/31
 Majors: AERO ELEC MECH MET
 Minimum GPA: 2.450 Must be Sophomore Junior standing.
 Sign-up released 1/20/98 SCHEDULE CLOSED FOR SIGN-UPS 2/27/98
 WORK LOCATION: TULSA, OKLAHOMA AND FT. WORTH, TEXAS START 1ST CO-OP WORK SESSION MAY/JUNE 1998 NOTE: INTERVIEW DATE CHANGED FROM 3/24 TO 3/31 FT. WORTH, TX WORK LOCATION ADDED

American Cyanamid Company Sign-up Method: PRS-CLOSED
 Date of Interview: 02/26
 Majors: CHE CHEM CMPS
 Minimum GPA: 2.950 Must be Sophomore Junior standing.
 Sign-up released 1/20/98 Schedule closed for sign-ups 2/9/98
 Work Location: Hannibal, Missouri
 start 1st co-op work session May/June 1998, August 1998 or January 1999

Amsted Industries Sign-up Method: PRS-CLOSED
 Date of Interview: 03/17
 Majors: MECH
 US/Perm
 Minimum GPA: 2.450 Must be Sophomore Junior Senior standing.
 Sign-up released 1/20/98 Schedule closed for sign-ups 2/17/98 8am
 Work Location: various locations
 START 1ST CO-OP WORK SESSION MAY/JUNE 98 AUGUST 1998

Anh Busch - 5 groups Sign-up Method: PRS-CLOSED
 Date of Interview: 03/09
 Majors: ELEC CMPS EMAN MECH CIVL MGTS
 Minimum GPA: 2.450 Must be Sophomore Junior Senior standing
 Sign-up released 1/29/98 SCHEDULE CLOSED FOR SIGN-UPS 2/13/98 8AM
 WORK LOCATION: ST. LOUIS, MO - PICK UP #224 JOB DESCRIPTION AT THE CO-OP OFC
 START 1ST CO-OP WORK SESSION MAY/JUNE 1998
 ENGR SERV GROUP, MANUFACTURING SYSTEMS GROUP, ESTIMATING GROUP, POWER AND CONTROLS - CIVL ELEC EMAN MECH CMPS MGTS (NOTE: INTERVIEW DATE STRUCTURAL/CIVIL - NOT ENVIRONMENTAL CIVIL 4-9)

Co-Op

Anh-Busch-Project Management Group Sign-up Method: PRS-OPEN
 Date of Interview: 03/25
 Majors: CIVL ELEC MECH
 Minimum GPA: 2.450 Must be Sophomore Junior Senior standing.
 Sign-up released 1/29/98 SCHEDULE CLOSED FOR SIGN-UPS 3/9/98 8AM
 WORK LOCATION: ST. LOUIS, MO
 START 1ST CO-OP WORK SESSION May/June 1998
 Project Management Group - Corporate Engineering CIVL ELEC MECH
 PICK UP #223 JOB DESCRIPTION AT THE CO-OP OFFICE

AnhBusch-Project Engineering Group Sign-up Method: PRS-OPEN
 Date of Interview: 03/25
 Majors: MECH CHE
 US/Perm
 Minimum GPA: 2.450 Must be Sophomore Junior Senior standing.
 Sign-up released 1/29/98 SCHEDULE CLOSED FOR SIGN-UPS 3/9/98 8AM
 WORK LOCATION: ST. LOUIS, MO 45 MINUTE INTERVIEWS
 JOB DESCRIPTIONS AVAILABLE AT THE CO-OP OFFICE #122-
 START 1ST CO-OP WORK SESSION MAY/JUNE 1998
 PROJECT ENGINEERING GROUP - MECH CHE
 PICK UP JOB DESCRIPTION CO-OP OFFICE

Baxter Healthcare Sign-up Method: PRS-OPEN
 Date of Interview: 03/24
 Majors: EMAN MECH ELEC CHE
 Minimum GPA: 2.950 Must be Sophomore Junior Senior standing.
 Sign-up released 1/20/98 Schedule closed for sign-ups 2/27/98 8am
 Work Location: Mountain Home, Arkansas
 START 1ST CO-OP WORK SESSION May/June 1998, and/or August 1998
 BAXTER IS REQUIRING EACH STUDENT TO PICK UP A BROCHURE AND READ IT BEFORE INTERVIEW AND LOOK AT ANNUAL REPORT.

Birmingham Steel Sign-up Method: PRS-CLOSED
 Date of Interview: 02/24
 Majors: MECH ELEC MET
 US/Perm
 Minimum GPA: 2.700 Must be Freshman Sophomore Junior Senior standing.
 Sign-up released 1/27/98 SCHEDULE CLOSED FOR SIGN-UPS 2/13/98 8AM
 Work Location: Birmingham, AL; CLEVELAND, OH; KANKANKEE, IL;
 JOLIET, IL; SEATTLE, WA; MEMPHIS, TN; JACKSON, MS; CARTERSVILLE, GA
 start 1st co-op work session MAY/JUNE 1998 AND/OR AUGUST 1998

Boeing Sign-up Method: PRS-CLOSED
 Date of Interview: 03/16
 Majors: AERO ELEC EMAN CMPS MGTS MECH
 US Only
 Minimum GPA: 2.950 Must be Sophomore Junior standing.
 Sign-up released 1/20/98 SCHEDULE CLOSED FOR SIGN-UPS 2/13/98 8AM
 WORK LOCATION: ST. LOUIS, MISSOURI
 START 1ST CO-OP WORK SESSION SUMMER AND OR FALL 1998
 must be able to work at least 3 co-op work sessions

Centex-Rooney Construction Sign-up Method: PRS-CLOSED
 Date of Interview: 02/23
 Majors: CIVL
 Minimum GPA: 2.450 Must be standing.
 Sign-up released 1/28/98 SCHEDULE CLOSED FOR SIGN-UPS 2/11/98
 WORK LOCATION: FT. LAUDERDALE, FLORIDA AND OTHER LOCATIONS THROUGHOUT FLORIDA - ORLANDO, FLORIDA
 START 1ST CO-OP WORK SESSION MAY/JUNE 98
 INFORMATION MEETING 2/22/98 6:30-8:00PM UCE 211 MERAMEC ROOM

Chaparral Steel Sign-up Method: Open
 Date of Interview: 03/10
 Majors: MECH CIVL
 Minimum GPA: 2.750 Must be Sophomore Junior standing.
 Sign-up released 2/10/98 SCHEDULE CLOSED FOR SIGN-UPS 2/27/98 8AM
 Work Location: Midlothian, Texas
 START 1ST CO-OP WORK SESSION MAY/JUNE 1998 OR JANUARY 1999

Chemical Lime Sign-up Method: PRS-OPEN
 Date of Interview: 04/11
 Majors: MECH CMPS
 Minimum GPA: 2.450 Must be Freshman Sophomore Junior standing.
 Sign-up released 2/19/98 SCHEDULE CLOSED FOR SIGN-UPS 3/24/98
 WORK LOCATION: STE. GENEVIEVE, MISSOURI
 START 1ST CO-OP WORK SESSION MAY/JUNE 1998

Clark Refining & Marketing Inc. Sign-up Method: PRS-CLOSED
 Date of Interview: 03/09
 Majors: CHE PETR
 Minimum GPA: 2.750 Must be Sophomore Junior Senior standing
 Sign-up released 1/20/98 SCHEDULE CLOSED FOR SIGN-UPS 2/11/98
 WORK LOCATION: ST. LOUIS, MO (CLAYTON, MO)
 START 1ST CO-OP WORK SESSION MAY/JUNE 1998

Copeland Sign-up Method: Open
 Date of Interview: 03/09
 Majors: MECH ELEC
 Minimum GPA: 2.000 Must be Junior Senior standing
 Sign-up released 2/10/98 SCHEDULE CLOSED FOR SIGN-UPS 2/27/98
 WORK LOCATION: AVA, MISSOURI
 START 1ST CO-OP WORK SESSION MAY/JUNE 1998

CPI Corporation Sign-up Method: PRS-OPEN
 Date of Interview: 03/16
 Majors: ELEC CMPS MGTS
 Minimum GPA: 2.950 Must be Freshman Sophomore Junior standing
 Sign-up released 2/2/98 SCHEDULE CLOSED FOR SIGN-UPS 2/20/98 8AM
 WORK LOCATION: ST. LOUIS, MISSOURI
 START 1ST CO-OP WORK SESSION MAY/JUNE 98 AND OR AUGUST 1998, OR
 JANUARY 1999
 INFORMATION MEETING: MARCH 15, 6-7:30PM UCE 211 Meramce Room

Dames & Moore Sign-up Method: PRS-OPEN
 Date of Interview: 03/26
 Majors: CHE CIVL GEE
 Minimum GPA: 2.750 Must be Sophomore Junior standing
 Sign-up released 1/20/98 Schedule closed for sign-ups 3/6/98 8am
 Work Location: St. Louis, Missouri
 start 1st co-op work session May/June 1998, and/or August 1998
 BROCHURES AVAILABLE 304 NORWOOD HALL
 Job Title - Co-op: Assistant Environmental Engineer

Deere and Company Sign-up Method: PRS-OPEN
 Date of Interview: 03/17
 Majors: CMPS MGTS
 US/Perm
 Minimum GPA: 2.950 Must be Sophomore Junior standing
 Sign-up released 1/20/98 SCHEDULE CLOSED FOR SIGN-UPS 2/27/98 8am
 WORK LOCATION: POSSIBLE ANY DEERE UNIT IN THE US
 START 1ST CO-OP WORK SESSION MAY/JUNE 1998 AND OR AUGUST 1998
 INFORMATION MEETING - MONDAY, MARCH 16, 6:30PM - PIZZA INN,
 KINGSHIGHWAY 45 MINUTE INTERVIEWS
 HOMEPAGE ADDRESS: <http://www.deere.com>

Dow Chemical Company Sign-up Method: PRS-CLOSED
 Date of Interview: 02/25
 Majors: CHE ELEC
 US Only
 Minimum GPA: 2.700 Must be Sophomore Junior standing
 Sign-up released 1/21/98 Deadline 2/19/98 8:00am
 Work Location: Freeport, TX, (1st work term)
 CHE START 1ST CO-OP WORK SESSION AUGUST 1998 OR JANUARY 1999
 EE START 1ST CO-OP WORK SESSION MAY/JUNE, AUGUST, OR JANUARY 1999
 IF SELECTED TO INTERVIEW - PICK UP A DOW "DEGREE PLAN" FROM THE CO-OP
 OFFICE, 303D NORWOOD HALL BEFORE THE INTERVIEW

Eastman Chemical Company Sign-up Method: PRS-OPEN
 Date of Interview: 03/25
 Majors: MECH ELEC
 Minimum GPA: 2.950 Must be Sophomore Junior standing
 Sign-up released 1/20/98 Schedule closed for sign-ups 3/9/98 8:00am
 Work Location: Batesville, Arkansas
 Great benefits. Housing available. small city but total population
 in the county is 35,000 -3 work terms and keep a min 3.25, you will get
 a scholarship of \$1500
 start 1st co-op work session August 1998

Emerson Electric Sign-up Method: PRS-OPEN
 Date of Interview: 03/17
 Majors: MECH
 Minimum GPA: 2.450 Must be Junior Senior standing
 Sign-up released 2/4/98 SCHEDULE CLOSED FOR SIGN-UPS 2/27/98 8AM
 Work location: Paragould, Arkansas, Office & Manufacturing
 Environment - work in final assembly area
 start 1st co-op work session MAY/JUNE 1998 AND OR FALL 1998

Fisher Controls Sign-up Method: PRS-OPEN
 Date of Interview: 03/25
 Majors: CHE ELEC EMAN MECH
 US Only
 Minimum GPA: 2.450 Must be Junior standing
 Sign-up released 1/20/98 SCHEDULES CLOSED FOR SIGN-UPS 2/27/98 8AM
 WORK LOCATION: MARSHALLTOWN, IOWA
 INFORMATION MEETING 3/23/98 6:30-7:30 pm (location announced later)
 START 1ST CO-OP WORK SESSION May/June 1998 and/or August 1998

General Electric Company Sign-up Method: PRS-FCFS
 Date of Interview: 02/24
 Majors: MECH ELEC EMAN
 Minimum GPA: 2.950 Must be Sophomore Junior standing
 Sign-up released 1/20/98 Schedule closed for sign-ups 2/9/98 8AM
 Work Location: FT. WAYNE, INDIANA: VARIOUS PLANT LOCATIONS
 GE MOTORS & INDUSTRIAL SYSTEMS - 45 MINUTE INTERVIEWS
 CANDIDATES FOR THE CO-OP ASSIGNMENTS WORK IN THE AREAS OF DESIGN,
 ANALYSIS, MANUFACTURING, AND SOURCING OF ELECTRIC MOTORS.
 MINIMUM 3 WORK ASSIGNMENTS (PICK UP JOB DESCRIPTIONS, 303D NORWOOD)

General Motors-Ok City Assembly Sign-up Method: PRS-CLOSED
 Date of Interview: 02/26
 Majors: ELEC EMAN MECH
 US Only
 Minimum GPA: 2.750 Must be Sophomore Junior standing
 Sign-up released 1/23/98 SCHEDULE CLOSED FOR SIGN-UPS 2/9/98 8AM
 WORK LOCATION: OKLAHOMA CITY, OKLA
 START 1ST CO-OP WORK SESSION MAY/JUNE 98, AUGUST 98 OR JANUARY 99

General Physics Corporation Sign-up Method: PRS-OPEN
 Date of Interview: 03/24
 Majors: ELEC EMAN MECH MET
 Minimum GPA: 2.650 Must be Junior Senior standing
 Sign-up released 1/20/98 SCHEDULE CLOSED FOR SIGN-UPS 3/9/98 8AM
 WORK LOCATION: ST. LOUIS, MO (CHRYSLER CORPORATION, FENTON, MO)
 START 1ST CO-OP WORK SESSION SUMMER AND OR FALL 1998, or SPRING 1999

Heckethorne Manufacturing Sign-up Method: PRS-OPEN
 Date of Interview: 04/01
 Majors: EMAN MECH
 Minimum GPA: 2.750 Must be Junior Senior Grad Stu. standing
 Sign-up released 2/16/98 SCHEDULE CLOSED FOR SIGN-UPS 3/13/98
 Work Location: Dyersburg, Tennessee
 START 1ST CO-OP WORK SESSION MAY/JUNE 1998 AND OR AUGUST 1998, JAN 99

Hewlett Packard Sign-up Method: Open
 Date of Interview: 02/26
 Majors: ELEC CMPS MECH
 US Only
 Minimum GPA: 2.950 Must be Sophomore Junior Senior standing
 Sign-up released 2/9/98 Schedule closed for sign-ups 2/20/98 8am
 Work Location: Richardson, Texas
 Start 1st co-op work session August 1998
 CHANGED INTERVIEW DATE AND CHANGED TO OPEN SIGN-UPS

Huffman Engineering Sign-up Method: PRS-OPEN
 Date of Interview: 03/16
 Majors: ELEC CMPS
 Minimum GPA: 2.450 Must be Freshman Sophomore Junior Senior standing
 Sign-up released 2/3/98 DEADLINE 2/26/98 8AM
 WORK LOCATION: LINCOLN, NEBRASKA
 START 1ST CO-OP WORK SESSION MAY/JUNE 1998

Hunter Engineering Company Sign-up Method: PRS-OPEN
 Date of Interview: 03/25
 Majors: ELEC MECH CMPS
 US/Perm
 Minimum GPA: 2.750 Must be Junior Senior standing
 Sign-up released 2/9/98 SCHEDULE CLOSED FOR SIGN-UPS 3/13/98 8AM
 Work Location: Bridgeton, MO near St. Louis Airport
 START 1ST CO-OP WORK SESSION MAY/JUNE 1998 AND OR AUGUST 1998

IL Dept. of Transportation Sign-up Method: PRS-CLOSED
 Date of Interview: 02/26
 Majors: CIVL
 Minimum GPA: 2.000 Must be Junior Senior standing
 Sign-up released 1/20/98 SCHEDULE CLOSED FOR SIGN-UPS 2/6/98 8AM
 WORK LOCATION: 15 COUNTY AREA AROUND SPRINGFIELD, ILLINOIS
 START 1ST CO-OP WORK SESSION MAY/JUNE 1998 AND OR AUGUST 1998

Lexmark International, Inc. Sign-up Method: PRS-FCFS
 Date of Interview: 02/24
 Majors: ELEC CMPS
 Minimum GPA: 3.150 Must be Sophomore Junior Senior standing
 Sign-up released 1/20/98 Schedule closed for sign-ups 2/9/98 8am
 Work Location: Lexington, Kentucky
 start 1st co-op work session summer/fall 1998
 Job Title: Engineer/Programmer Co-op

Magnum Technologies Sign-up Method: PRS-CLOSED
 Date of Interview: 03/13
 Majors: CHE ELEC EMAN CMPS MECH
 Minimum GPA: 2.450 Must be Sophomore Junior standing
 Sign-up released 1/20/98 Schedule closed for sign-ups 2/13/98 8am
 Work Location: Fairview Heights, IL; Houston, Tx; Los Angeles, CA
 Chicago, IL start 1st co-op work session May/June 1998
 Information Meeting: March 12, 7-8pm 216 McNutt Hall
 Homepage - <http://www.magnumtech.com>

Modine Manufacturing Sign-up Method: PRS-OPEN
 Date of Interview: 03/10
 Majors: MECH
 Minimum GPA: 2.000 Must be Sophomore Junior Senior standing
 Sign-up released 2/11/98 SCHEDULE CLOSED FOR SIGN-UPS 2/37/98 8AM
 WORK LOCATION: JOPLIN, MISSOURI
 JOB DESCRIPTION AVAILABLE CO-OP OFFICE, 303D NORWOOD HALL
 HEAT TRANSFER PRODUCTS FOR DIESEL ENGINE MANUFACTURES
 START 1ST CO-OP WORK SESSION MAY/JUNE 1998 (ROTATE 2 STUDENTS YEAR
 ROUND)

Nellcor Puritan Bennett Sign-up Method: PRS-OPEN
 Date of Interview: 03/16
 Majors: ELEC MECH EMAN
 Minimum GPA: 2.650 Must be Junior Senior standing
 Sign-up released 2/10/98 SCHEDULE CLOSED FOR SIGN-UPS 2/27/98 8AM
 WORK LOCATION: ST. CHARLES, MISSOURI
 START 1ST CO-OP WORK SESSION MAY/JUNE 1998 AND/OR AUGUST 1998 OR
 JANUARY 1999

Noranda Aluminum Sign-up Method: Open
 Date of Interview: 02/26
 Majors: ELEC MECH
 Minimum GPA: 2.700 Must be Junior Senior standing
 Sign-up released 2/5/98 SCHEDULE CLOSED FOR SIGN-UPS 2/23/98 8AM
 Work location: New Madrid, MO

Olin Corporation Sign-up Method: Open
 Date of Interview: 03/12
 Majors: CMPS
 US/Perm
 Minimum GPA: DETAILS UNAVAILABLE AT THIS TIME
 Sign-up released UNAVAILABLE AT THIS TIME
 Work Location: E. Alton, Illinois (close to St. Louis)

Olin Corporation Sign-up Method: PRS-OPEN
 Date of Interview: 03/23
 Majors: ELEC
 US/Perm
 Minimum GPA: 2.200 Must be Freshman Sophomore Junior standing
 Sign-up released 1/28/98 SCHEDULE CLOSED FOR SIGN-UPS 3/9/98 8AM
 Work Location: Indianapolis, Indiana
 START 1ST CO-OP WORK SESSION MAY/JUNE 1998

Paulo Products Sign-up Method: Open
 Date of Interview: 03/09
 Majors: MET
 Minimum GPA: 2.000 Must be Sophomore Junior Senior standing.
 Sign-up released 2/9/98 SCHEDULE CLOSED FOR SIGN-UPS 2/20/98 8AM
 WORK LOCATION: ST. LOUIS, MO
 START 1ST CO-OP WORK SESSION AUGUST 1998 OR JANUARY 1999

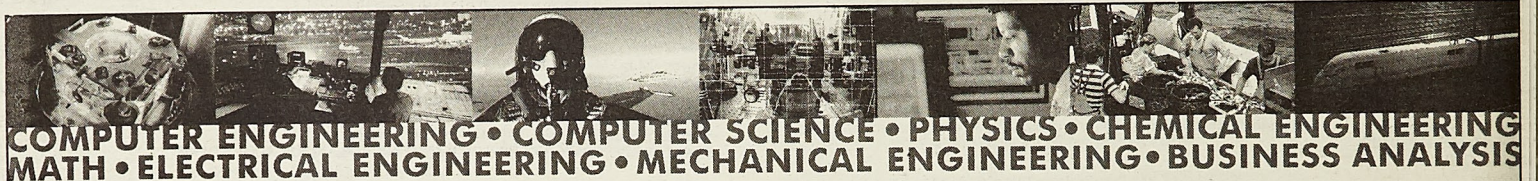
Shell Wood River Refining Co. Sign-up Method: Open
 Date of Interview: 03/17
 Majors: CHE MECH
 US/Perm
 Minimum GPA: 3.150 Must be Freshman Sophomore Junior standing.
 Sign-up released 2/24/98 SCHEDULE CLOSED FOR SIGN-UPS 3/11/98 8AM
 WORK LOCATION: WOOD RIVER, ILLINOIS
 START 1ST CO-OP WORK SESSION MAY/JUNE 1998

Sigma Chemical Company Sign-up Method: PRS-FCFS
 Date of Interview: 02/27
 Majors: CHEM LIFS
 US Only
 Minimum GPA: 2.450 Must be Sophomore Junior standing.
 Sign-up released 1/20/98 Schedule closed for sign-ups 2/11/98 8am
 Work location: St. Louis, Missouri
 start work as a co-op student May/June, August 1998 or January 1999
 INFORMATION MEETING 2/25/98, 5 PM Mark Twain Room UCE
 JOB DESCRIPTION AVAILABLE AT THE CO-OP OFFICE

US Gypsum Company Sign-up Method: PRS-FCFS
 Date of Interview: 02/26
 Majors: CIVL ELEC EMAN MECH MIN
 Minimum GPA: 2.250 Must be Junior Senior standing.
 Sign-up released 1/20/98 SCHEDULE CLOSED FOR SIGN-UPS 2/13/98 8AM
 WORK LOCATION: VARIOUS LOCATIONS
 START 1ST CO-OP WORK SESSION MAY/JUNE 1998
 INFORMATION MEETING: 2/25 6:30-8:30 MISSOURI ROOM, UCE

Von Weise Gear Company Sign-up Method: PRS-OPEN
 Date of Interview: 03/13
 Majors: MECH
 Minimum GPA: 2.000 Must be Sophomore Junior standing.
 Sign-up released 1/20/98 SCHEDULED CLOSED FOR SIGN-UPS 2/20/98
 WORK LOCATION: ST. CLAIR, MISSOURI
 START 1ST CO-OP WORK SESSION MAY/JUNE 1998 AND OR AUGUST 1998

Wolf Creek Nuclear Operating Sign-up Method: PRS-OPEN
 Date of Interview: 01/01
 Majors: ELEC MECH NUCL CIVL CHE
 US/Perm
 Minimum GPA: 2.700 Must be Junior Senior standing.
 Sign-up released 1/28/97 - Deadline 3/9/98 Company not interviewing on
 -campus Work Location: Burlington, Kansas
 IF INTERESTED, SUBMIT NAME ON SYSTEM AND WE WILL
 SEND YOUR RESUME TO WOLF CREEK



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 MATH • ELECTRICAL ENGINEERING • MECHANICAL ENGINEERING • BUSINESS ANALYSIS**



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Financial Aid

RURAL MISSOURI, INC.

If you have been employed as a farmworker in the past two years, you may be eligible to receive free tuition assistance for your education. If you have worked as a farm, orchard, greenhouse or poultry/egg production employee, you may qualify. To obtain details and the field representative closest to you call 1-800-234-4971.

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

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.

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.**

ROLLA LIONS CLUB VANCE SCHOLARSHIP FUND

REQUIREMENTS:
Students must have 3.0 or better gpa
Be a U.S. Citizen

Student must have graduated from St. James, Newburg, or Rolla High School

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

Completed applications must be returned by: **April 1, 1998.**

MARK BOUCKAERT MEMORIAL SCHOLARSHIP

The Mark Bouckaert Memorial Scholarship is \$800 for Fall 98.

REQUIREMENTS:

Super senior - graduating Fall 98 or Winter 99

Member of Kappa Sigma Fraternity OR graduated from Lindbergh High School, St. Louis, MO.

Have a "need" for Financial Aid (complete the FAFSA for 98/99 academic year)

NO minimum grade point average

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

Return application form to Student Financial Aid Office no later than: **March 1, 1998.**

THE SCHOLARSHIP FOUNDATION OF ST. LOUIS OFFERS INTEREST-FREE LOAN PROGRAM AND THE AMEREN SCHOLARSHIP PROGRAM

GENERAL REQUIREMENTS:

Be a citizen of the United States or in possession of a Alien Registration Card.

Be a permanent resident of St. Louis City, St. Louis County, Franklin County, Jefferson County, or St. Charles County for at least two years prior to the date of application. Ameren Scholarship Program applicants must live in Ameren (formerly Union Electric or CIPS) service area within Missouri or Illinois.

Demonstrate financial need (must complete a Free Application for Federal Student Aid)

Be a responsible borrower, without history of educational loan default or bankruptcy

Have achieved a minimum cumulative 2.0 grade point average on a 4.0 scale

Plan to enroll in or be currently enrolled in a degree program at an accredited college, graduate, professional, vocational or technical school. All fields of study, except ministry, are eligible for funding. Ameren Scholarship Program applicants must be full-time undergraduate students attending schools within Missouri or Illinois.

DEADLINE FOR THE INTEREST-FREE LOAN PROGRAM IS APRIL 15, 1998 AND NOVEMBER 15, 1998.

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

Application deadline for The Ameren Scholarship Program is

only: **April 15, 1998.**

AMERICAN INSTITUTE OF CERTIFIED PUBLIC ACCOUNTANTS 1998-99 JOHN L. CAREY SCHOLARSHIP

Liberal arts students wishing to pursue graduate accounting study can receive financial aid through the AICPA John L. Carey Scholarship Program. Scholarships are available to all liberal arts degree holders of a regionally-accredited U.S. institution who wish to pursue a CPA certificate. Scholarships are given based on academic achievement, leadership and future career interests and are contingent upon acceptance in a graduate accounting program.

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

Application deadline must be submitted by: **April 1, 1998.**

1998-99 COTERIE SCHOLARSHIP

ELIGIBILITY REQUIREMENTS:

The recipient must be a female at UMR.

She must have completed 50% of the hours necessary for completion of her degree from UMR.

She must be enrolled with a minimum of 9 hours in a degree program at the time of scholarship payment and must show evidence of satisfactory progress toward that degree.

She must demonstrate financial need

She must submit a written statement outlining her reasons for application to the Coterie Scholarship Committee

She must not be a member of the family of any UMR faculty, full-time staff, or other personnel. (She may be an employee herself.)

PREFERENCE WILL BE GIVEN TO:

The woman with added personal obligations (e.g., children, invalid dependent, physical disabilities, etc.)

The woman who had her college education interrupted and is returning to complete her graduate or undergraduate degree at UMR. (Grade point average will be taken into consideration.)

Please send letter of application explaining your qualifications to: Coterie, P. O. Box 1638, Rolla, MO 65402.

Deadline is: **Wednesday, April 1, 1998.**

SIGMA NU TRISTAN G. PINZKE MEMORIAL SCHOLARSHIP

Applications are now being accepted for the Pinzke Memorial Scholarship. Applicants shall be male or female student enrolled in any Engineering discipline at the University of Missouri-Rolla, maintaining a 2.5 cumulative grade point average on a 4.0 scale,

and be chosen because of their campus and community leadership and involvement.

Applications available in the Student Financial Aid Office, G-1 Parker Hall, Rolla, MO 65401

Application deadline: Must be submitted to the Student Financial Aid Office by: **March 20, 1998.**

KIDS' CHANCE INC. OF MISSOURI

What is Kids' Chance? It is a nonprofit corporation developed by interested employers, attorneys, laborers, insurers, third party administrators, government officials, health care representatives and rehabilitation providers. The purpose of Kids' Chance is to provide educational scholarships to financially assist 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? To be eligible for the scholarship the child's parent must have sustained a serious injury or fatality in a Missouri work related accident covered by workers compensation. The parent's injury or death must be compensable under Missouri Workers' Compensation Law, Chapter 287 RSMo. The child must be between the ages of 16 and 25.

When do you apply? Applications are accepted at any time. **KIDS' CHANCE**

Scholarships are awarded on basis of need throughout the year as funds are available. The deadline for accepting applications for a one year scholarship (fall and spring semesters) is **May 15, 1998.** The deadline for accepting applications for the spring semester only is **October 30, 1998.**

Applications available in the Student Financial Aid Office, G-1 Parker Hall, Rolla, MO 65409-0250 or by calling 1-800-484-5733 - code 5437 (KIDS).

NAWIC NATIONAL ASSOCIATION OF WOMEN IN CONSTRUCTION THE GREATER KANSAS CITY, MO

The Greater Kansas City, Missouri NAWIC Scholarship Foundation offers scholarships for the 98/99 academic year to students pursuing a career in the construction industry.

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

Application must be postmarked on or before: **March 31, 1998.**

AIR & WASTE MANAGEMENT ASSOCIATION MIDWEST SECTION

This scholarship is awarded to a full or part-time graduate student pursuing a course of study and research leading to a

career in air pollution control and/or waste management at the start of the 1998-99 academic year. Undergraduate students are eligible to apply if they have been accepted into a program of graduate study.

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

Application must be postmarked by: **May 30, 1998.**

1998 MISSOURI ECONOMIC DEVELOPMENT COUNCIL HEARTLAND BEDC SCHOLARSHIPS

MEDC will again be offering two \$475.00 scholarships for worthy students who are wanting to attend the Heartland BEDC this year.

The on week course in basic economic development will be held April 19-24 in Kansas City.

Those prospective student who wish to apply for this scholarship must complete an application available in the Student Financial Aid Office, G-1 Parker Hall.

Application must be returned by: **March 6, 1998.**

THE MID-WEST CONCRETE INDUSTRY BOARD, INC.

The Fund in an endowment fund that will provide financial assistance to college engineering students pursuing a Bachelor of Science of higher degree that includes concrete and concrete design courses as an integral part of their degree program.

REQUIREMENTS:

Applicant's permanent residence as indicated on college records or the high school of record must be within the states of Kansas or Missouri and either (a) within a 150-mile radius from a point on the Kansas/Missouri state line at highway I-35; or (b) within a 25-mile radius of the main U.S. Post Office at the mailing address of a current MCIB member.

Applicant must be pursuing a Bachelor of Science or higher degree that includes concrete and concrete design courses as an integral part of their degree program at an accredited college or university.

Applicant must be enrolled in or have completed concrete or concrete design courses.

Applicant must not be a son, daughter, grandson, granddaughter, niece, or nephew of an Advisory Committee member.

Part-time student applicants will be limited to junior class status or above. The scholarship award to part-time students will be commensurate with the costs.

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

Applications must be received by **April 30, 1998.**

-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

6:00 pm: MSM Spelunkers Club, 204 McNutt

7:00 pm: Solar Car Team, Design meeting, 104 EMgt.

7:00 pm: IEEE, EEG 31

8:00 pm: Tau Beta Sigma, 206 CHE

Thursday

4:30 pm: American Ceramic Society, 206 McNutt

5:30 pm: Society of Hispanic Professional Engineers, McNutt 245

6:00 pm: Toastmasters, CSF 109

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

6:30 p.m.: American Nuclear Society, 227 Fulton

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

7:00 pm: Koinonia, Walnut Rm, UCW

8:00 pm: Academic Competition Org., CE 312

8:00 pm: Solar Car Team, General meeting, E Mgt 103

10:00 pm: UMR Ultimate Frisbee Club, frat row fields

Friday

3:00 pm: UMR Trap & Skeet, 107 Buchler Bldg.

6:30 pm: UMR Gaming Club, 201 & 208 Norwood

7:00 pm: Show Me Anime, 204 McNutt

Saturday

Spring Break Begins!!!

Schlumberger Wireline & Testing, an oilfield services company, is currently seeking highly motivated individuals for Field Engineering Positions.

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WITH A BS OR MS DEGREE IN
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Schlumberger Wireline & Testing seeks individuals with initiative, take charge attitude and strong sense of responsibility. The field engineer is completely responsible for all aspects of the field operation which involves complex technical measurements of the physical properties of underground rock formations. This data helps our clients locate, evaluate and produce oil and gas reservoirs more efficiently. The job requires strong communication skills, a high degree of independence, the ability to work under pressure and a willingness to work in varying conditions. Sense of adventure and ambition are a must.

Schlumberger will offer you an extensive training program to build your knowledge and confidence, along with very competitive salaries, benefits, and bonuses. And if that's not enough, you will have one of the most significant opportunities for growth anywhere.

Schlumberger is proud to be participating in the Missouri Career Fair. Please stop by our booth to sign up for an interview.

**Information Meeting:
March 11th
Check with your Placement Center
for more details.**

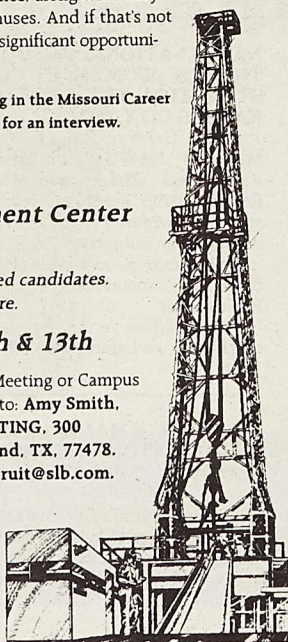
*Open to ALL qualified and interested candidates.
Refreshments provided. Casual Attire.*

Interviewing: March 12th & 13th

If unable to attend our Information Meeting or Campus Interviews, please send your resume to: **Amy Smith, SCHLUMBERGER WIRELINE & TESTING, 300 Schlumberger Drive, #25, Sugar Land, TX, 77478. Fax: 281-285-4274. E-mail: wtn-recruit@slb.com. Please include reference code: UMR.**

www.slb.com

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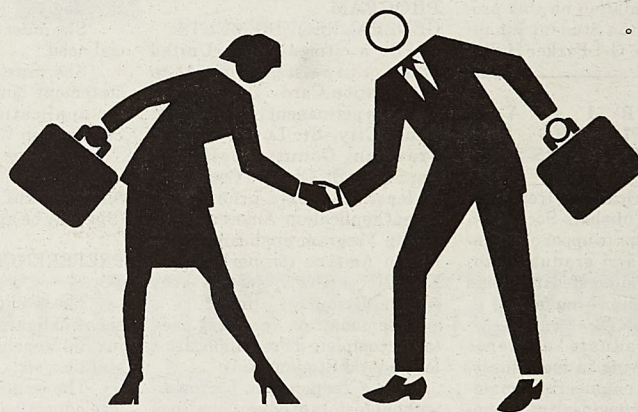
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Monday's at 7pm from March 2 - April 6,
Rolla Seventh-day Adventist Church - Gym,
810 Hwy. O, Rolla.

For more information call 341-2569.

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at UMR spring
Career Fair
Wed., February 25, 1998

9 a.m. - 3 p.m.

Multi-Purpose Building

Meet Recruiters

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March 11,

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by Justin Su
News Editor

March 16-20
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