



23 Apr 1997

## The Missouri Miner, April 23, 1997

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# MISSOURI MINER



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

April 23, 1997

Volume 86, Number 27

Sixteen pages

## Torpedo research for navy done at UMR



Keith Missey  
Staff Writer

Apparently, dolphins are not just famous TV stars or main attractions at Sea World. They are also a means of helping the Navy create silent-running torpedoes and vessels.

To do this, researchers at the University of Missouri-Rolla are simulating their stealthy skin. "Dolphins swim about silently," Dr. Wayne Huebner said. Huebner is the interim chair and an associate professor of ceramic engineering at UMR. "Their skins are not only streamlined, but can adjust to the various pressures of the water that can create noise."

A research team led by Huebner is trying to develop microscale transducers, tiny electronic sensors that will be attached to the outside skins of torpedoes and other naval objects. The re-

search effort is funded by the Office of Naval Research.

"The transducers react just like the skin of dolphins," explained Huebner. The tiny sensors are coated with a thin composite material of tiny rods, each one-third diameter of a human hair. They detect the pressure fluctuations on the skin that is caused by micro-turbulence.

"Those pressure fluctuations create noise," Huebner stated. "The microscale transducers detect the pressure pockets on the skin of the object and can change dimensions to minimize the noise."

The transducers can be attached to torpedoes, submarines, or ships by simply painting them on with a thin coating of polymers. "Our goal is to synthesize microscale transducers as small as possible and to get rid of all the noise factors dealing with objects that run through the water," Huebner said.

The research team is also working to create high-frequency

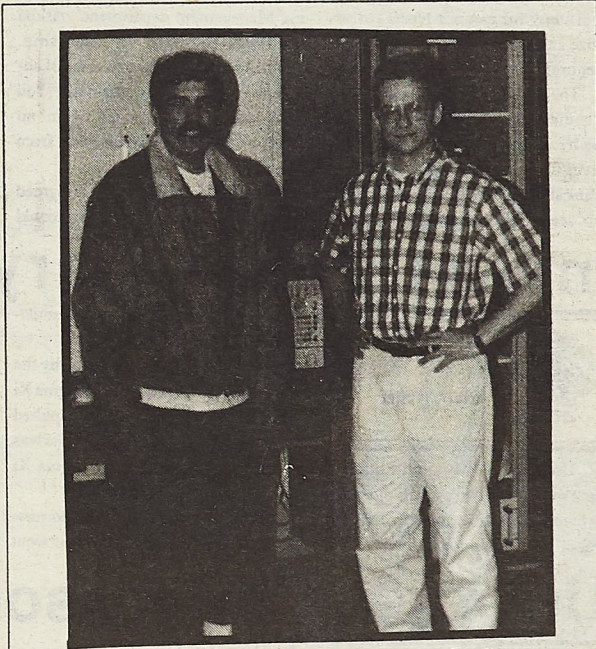
imaging devices that could detect small objects within 200 yards of a vessel. "Current technology has difficulty detecting small objects, such as a person or a mine in shallow water," Huebner explained. "There are simply too many sources of interference, including rough, uneven terrain of the ocean floor itself."

The researchers plan to use a hand-held camera-like device which will work interactively with transducers mounted on the outside of vessels for underwater imagery.

Huebner commented, "The same composites that can be used on torpedoes to detect micro-turbulence can be used to detect noise created by other objects in the water."

The research effort may result in other commercial uses.

"An excellent example of this would be preelectric arrays for three dimensional real-time medical ultrasound. It is hoped that the microscale transducer composites will have many uses in years to come," Huebner said.



Researchers Marvin Pennell and Dr. Wayne Huebner.

Ryan Shawgo



Ryan Shawgo

Keith Blackford, an applied mathematics, electrical engineering major is this year's recipient of the A.P. Green Medal, given to an outstanding UMR senior.

## Students to compete in bridge building contest



Keith Missey  
Staff Writer

Six civil engineering students from the University of Missouri-Rolla will compete in the steel-bridge building contest in Lawrence, Kan. on Thursday, April 24.

The team consists of Pete Manis of Northbrook, Ill., a graduate student and co-chairman of the team; Matthew Eiler of De Soto, Mo., a graduate student and co-chairman of the team; Karl Schoenicke of Columbia, Mo., a senior; Jeff Boyster of St. Louis, Mo., a senior; Keith Juedemann of

Union, Mo., a senior; and Chris Linneman of St. Charles, Mo., a senior.

The competition requires teams of civil engineering students to build 19 foot long steel bridges designed to withstand weights of up to 2,500 pounds. Their efforts are judged according to speed of construction, bridge weight, cost, capacity, capacity-to-weight ratio, and aesthetic value.


"Each team is ranked in each category. The team with the highest overall ranking wins the competition," Manis explained.

"Last year, we won second overall. We were also ranked first in the deflection and aesthetic cat-


see Bridge page 11

### In this Issue


#### News

 Student Council holds leadership banquet. ■ page 2

#### Features

 Sub concert to be held May 3. ■ page 5

#### Sports

 Tennis to compete in MIAA Championships. ■ page 7

Diversions ■ page 10

Comics ■ page 9

# Student Council holds leadership banquet



Casey Morriss  
News Editor

Approximately 200 people gathered in the UCE Cafeteria Saturday night for Student Council's Student Leadership Banquet. According to Student Body President Karl Schmitt, the banquet, which is now in its third year, is designed to recognize the student leaders of all the organizations on campus. Schmitt said the banquet is also "an opportunity for campus leaders to socialize and catch up on the activities of other organizations."

The evening started at 6 p.m. with a "social hour" consisting of hors d'oeuvres, punch and mingling in the Carver-Turner room. At 6:30 the doors to the cafeteria opened and people took their seats. Guests were treated to a

dinner of salad, bread, chicken kiev, potato, green beans and chocolate mousse.

The program began with the presentation of the Student Advocate Award. This award is presented annually to a member of the faculty or staff that has been judged by Student Council to be an advocate of the concerns of UMR students. Last year's recipient, Chancellor Park, presented the award to Jeff Cawfield in recognition of his work as president of Academic Council.

The speaker for the evening was Jim Highfill, a lecturer in the Engineering Management department. Asked by StuCo to speak on leadership, Highfill said there was one piece of advice he viewed as most important: "You can't lead to where you ain't goin' no more than you can come back from where you ain't been."

Highfill noted that he disagreed with the notion that leadership could

not be taught. Citing many examples from his military experience, he had five tips for the leaders in the room:

1) Challenge the process. With changes occurring faster and faster in today's world, it is incredibly important to constantly question whether one's process or product is as good as it can be.

2) Inspire a shared vision. The ability of a leader to focus followers on a common goal is critical to the leader's success. Highfill emphasized the fact that one must have exceptional communication skills in order to inspire a group of people.

3) Enable others to act. "Weak leaders don't like strong followers." Strong leaders empower the people under them to make decisions and act on their own.

4) Model the way. Good leaders lead by example.

5) Encourage the heart. Even

though leaders do not always have the authority to grant promotions or give raises, pats on the backs and the occasional "good work" can often be just as motivating as the chance for higher pay or status.

After the speaker Student Council presented several awards. The Campus Service Award went to UMR Techs for their work in helping inform students on subjects ranging from sexual awareness to time management.

Lambda Sigma Pi, a women's service organization was awarded the Community Service Award, and the Turnaround Organization Award went to Tau Kappa Epsilon Fraternity.

Next, each organization being represented was given an opportunity to have one of its members stand up and say something. Most of the speakers were officers who introduced the other representatives present and said a few short sentences about their organiza-

tion. StuCo awarded the Member of the Year award to John Johnson, after he was selected by a unanimous vote of the council. Alissa Bodenhamer received the Rookie of the Year Award as an outstanding new member of Student Council.

Schmitt made a special presentation on behalf of Student Council to Colleen Kapeller. Kapeller has been the StuCo secretary for the past five years but was recently promoted to a position in the Career Opportunities Center.

The last presentation of the evening was the Andrew Sears Award for Extraordinary Student Leadership. This award is presented when Student Council feels a campus leader has performed "above and beyond the call of duty." This year the Andrew Sears Award was presented to Brenda Wieseler.

## Indian missionary speaks



Deon Light  
Staff Writer

University of Missouri-Rolla students were given two opportunities this past week to hear lectures by Dr. Paul Brand. Dr. Brand spoke Monday night

at a public lecture, April 21, at Centennial Hall.

The lecture was sponsored by the University of Missouri-Rolla, Sigma Xi and the Electronic Materials Applied Research Center. Tuesday night he was the featured speaker at the Sigma Xi Initiation and Awards Banquet.

Brand was born in India to missionary parents in 1914. He later went

to Great Britain to train as a doctor.

He then returned to India, after World War II, to work among the lepers of the country. During the next 20 years he dedicated his talents to pioneering new surgical procedures in order to treat hand injuries.

He has since written "Fearfully and Wonderfully Made" and co-authored the book, "In His Image with Philip Yancey."

## University professor honored



Mat Rogers  
Staff Writer

This year's winner of the University of Missouri Presidential Award for Outstanding Teaching is

Dr. Donald Askeland, a professor of metallurgical engineering. This award honors excellence in teaching and includes a \$15,000 stipend. Faculty of ten or more years are eligible for this long term teaching achievement.

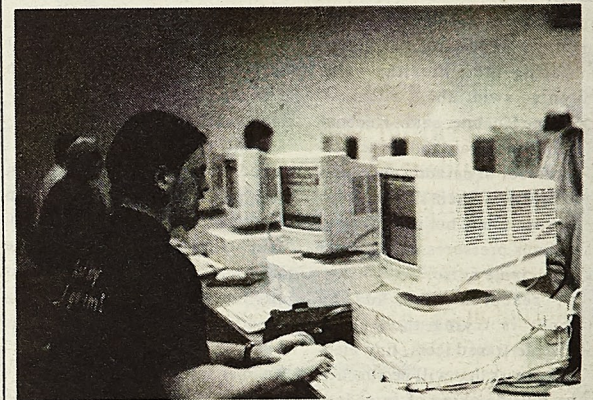
Each University of Missouri system nominates one teacher. A committee considers teaching evalu-

ations, peer reviews, class syllabi and other factors which indicate excellence in teaching.

Askeland has had over 25 years of teaching experience at UMR. He received his bachelors and masters degrees in engineering science from

see Prof page 11

## A wired campus



Josh Sutterfield working at a Computer Learning Center on campus. The UMR campus was listed as one of the most "wired" universities in the nation by Yahoo! Internet Life Magazine for having superior internet access.

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 will be withheld upon request.

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

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**Student Trainers** - Fall positions only - will be responsible for teaching the Computing Services student short courses, which are hands-on computer courses that teach basic computing skills. Qualifications include group presentation and experience with the following software:

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- Apps. like WordPerfect & Quattro Pro

**Lab Monitor** - General knowledge of campus-wide software is needed. Will be responsible for helping students, faculty, and staff both in person and over the phone, and checking the labs and lab equipment. Additional training is available. Position(s) available for fall semester only.

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# FEATURES

## ROCKO'S REVIEW: ANACONDA



Justin Sutherland  
Reviewer-at-Large

If the cold feeling from a slow and slimy slither around your ankles bothers you, then *Anaconda* is probably not your kind of movie.

*Anaconda* takes the fear of snakes to new lengths—roughly 40 feet in length, to be more precise. Feeding off this fear, the filmmakers added humans to the dining habits of their com-

puter-generated anaconda. But, like so many other movies where wild animals are given Hollywood makeovers, it's always to get that last ounce of excitement for a cheap thriller. And that's exactly what they did for this movie.

### The Take:

Dr. Stephen Cale (Eric Stoltz) teams up with director Terri Fleron (Jennifer Lopez) and cameraman Danny Rich

(Ice Cube) to film a documentary about a lost tribe along the Rio Negro in the Amazon. On their journey, the crew happens upon the mysterious snake catcher, Paul Serone (Jon Voight). As soon as he comes aboard, Serone begins to manipulate the crew to sail into snake infested waters.

It's here that Serone plans to use the others to help him capture a live 40 foot, man-eating anaconda for his prize.

### Rocko's Two Cents:

The big question I had to ask myself when watching *Anaconda* was: Why was this movie made? The best answer I can give is that it was used to show off someone's ability to make an unnaturally large computer-generated snake that can devour a person, whole.

Don't get me wrong, though. The aforementioned reptile displayed some pretty nifty tricks on screen, such as,

see Rocko, page 11



## Concert Update: All shows in St. Louis unless otherwise noted

|  |  |   |  |
|--|--|---|--|
| 5/3  | SUB Concert - Radio Iodine, Gravity Kills, The Urge - Multipurpose Bldg, Rolla, MO | Boy - Hi-Pointe   |  |
|  |  | Social Blunder, Clear Glass Religion - Kennedy's              |  |
| <b>The Open Hand Concert List:</b>           |  |   |  |
| 4/25   | The Follow w/ The Jiva - Rock  | Sugardaddy - Side Door  |  |
| 4/26   | If 6 were 9 - Rock   | 4/27  | 30 Foot Fall, U.S. Bombs - Hi-Pointe         |
| 5/2  | Anthony Shriek - Rock  | Pavement, Apples In Stereo - Mississippi Nights               |  |
| 5/3  | Derlarm w/ SAUCY JACK - Covers/Rock  | 4/28  | US Bombs, Bristol - Hi-Pointe                |
| 5/9  | Celery w/ Geishamen - Harder Rock  | Shoot The Gift - Kennedy's                                    |  |
| 5/10   | Pseudo Blues - Blues   | 4/29  | Regatta 69, Pachinko - Hi-Pointe             |
| 5/16   | Fragile Porcelain Mice - Alt/Rock  | 4/30  | Mojo Nixon - Hi-Pointe                       |
| 5/23   | Capt. Krunch - Rock  | MxPx, Stavesacre, Puller - Mississippi Nights                 |  |
| 5/24   | Inhuman Condition - Covers/Rock  | Johnny Socko, Orange Tree - Side Door                         |  |
| 5/31   | Ned's Band of Merry Men - Covers/Rock  | 5/1   | They Might Be Giants (21+) - Gallery         |
| <b>The Rest of the Neighborhood Listing:</b> |  |   |  |
| 4/23   | Black Uhuru, Murder City Players, Dubtronics - Galaxy                              | 5/2   | Nuttstak '97 - Mississippi Nights            |
|  | Zen Corilla - Hi-Pointe  | UK Subs, AntiFlag - Hi-Pointe                                 |  |
|  | Kill Hannah - Side Door  | 5/3   | Erikah Badu, Eric Benet - Mississippi Nights |
| 4/24   | Hyanas In The Desert, Jungle Brothers, MOP - Galaxy                                | Ampage - Hi-Pointe  |  |
|  | MIRV - Gargoyle  | 5/4   | Hereafter, Midlife (21+) - Stagger Inn       |
|  | The Scofflaws (Show at 6pm.) - Hi-Pointe   | The Hunger - Galaxy   |  |
|  | Suicide Machines, Blount, The Paxidils - Hi-Pointe                                 | 5/5   | Bush w/ Veruca Salt - Sandstone, KC          |
|  | 5/8  | Olivia Tremor Control, Neutral Milk Hotel - Side Door         |  |
|  | 5/10   | Dash Rip Rock - Galaxy  |  |
| 4/25   | Radio Iodine - Gallery   | 5/10  | The Samples - Mississippi Nights             |
|  | Tenderloin - Hi-Pointe   | 5/11  | Shonen Knife, Cockeyed Ghost, Pluto - Galaxy |
| 4/26   | RUN DMC w/ Frogpond - U of MO - Columbia   | 5/12  | Dada - Galaxy                                |
|  | Hudson & The Hoodoo Cats - Broadway Oyster   | 5/14  | Joystick, One Hit Wonder - Hi-Pointe         |
|  | Soul Kiss, Pabulum - Gallery   | 5/14  | The Jayhawks - Mississippi Nights            |
|  | 5/25   | Descendents, Guttermouth, Less Than Jake - Mississippi Nights |  |
|  | Sinking Arizona, Sparkwood 21, Crime Cure  |   |  |

# THE MINER MUSIC REVIEW



Jimbo  
Music Reviewer

Congratulations, if you are reading this part of the review, you are entitled to one free "atta-boy" or "atta-girl" from your choice of writers in the *Miner*. If you haven't noticed peoples, things have been going by quicker than expected. The days left til the last run of tests in everyone's happy courses are dwindling. In this week's music section, we have a bit of interesting topics as well as the ever so popular concert listing. This issue will cover reviews by the Rollins band, a concert review of the Glitterball and maybe a few more not so interesting pieces on music related issues. So, to blanket the thought that I am just babbling here...let's just move on to the reviews...

### Concert Review: KMNRR's Glitterball @ The Open Hand

Well folks, before I start on my review, I want all the KMNRR people to know that this is an HONEST review and anyone having discrepancies with what I have to say, email me directly rather than make comments that somehow trickle back to the source (me). Soooo, to tell ya my thoughts and expe-

rience at this year's festivities...

The bands selected for this evening were Redbait, Kwikshot, and Unsound. The evening had started out a bit slow and rough when Redbait took stage at around 10 p.m. Redbait had taken stage with guitars in hand and cracked the evening off with loud rock'n'roll. The songlist was comprised mainly of originals with added bits of familiar tuneage that kept the attention of the crowd. The overall opinion of the band wasn't the greatest, but since everyone there was attending only to have a good time, it kept everything somewhat satisfied. The volume of these guys was pretty loud, but was compensated to the best of the ability of the club's sound-men to tame the loudness of the bands.

In between sets, 70's dance music was added to fill in time from stage teardown to the next band's setup. The funny thing about this "Glitterball," with my knowledge, was supposed to have that 70's feel to it well, the loud rock'n'roll and the 10 people that dressed down for it didn't really impress me as of yet.

The second band, Kwikshot, took the stage and again played hard rock tunes but left the crowd with a bit more pleased attitude. There were people standing on the dance floor watching

and bobbing heads to the rhythm of most of the songs played. Before the band had taken stage, I had done a bit of socializing with them and learned that they were good friends of the drummer from Fragile Porcelain Mice and the Geishamen. From this little tidbit, I knew these guys were going to be pretty hard players, and after seeing their set I was correct and somewhat happy. These guys played the best in my opinion with a bit of the Deftones vocal presence to the upbeat rhythms.

The evening was getting late, errr say midnightish...and still one band to go. More 70's dance music was inserted between breakdown and setup of Kwikshot. One interesting oddity I, as well as the owners of the club, noticed about the night was that after Kwikshot finished their set, the majority of KMNRR people left. I was not sure if they knew what was up with this last band, or if the evening was supposed to end at around midnight or if they even felt they needed to get home to study for Saturday's EIT tests. Either way, once the band had taken stage, everyone including the owners were in for a surprise.

The band Unsound consisted of only three members and no drums, so curiosity was really swelling. The first song by these guys and female

vocalist was a bit of Medieval sounding with a bit of similarity of recorder and acoustic guitar songs. Well, within five minutes of listening, the majority of the leftover crowd had heard enough and left or headed to the bar to comfort what was left of the evening. These guys were quite a bit on the suck side of the cool scale.

Soooo, this year's Glitterball was pretty interesting if I do say so myself. I don't want anyone thinking I am writing stuff for bashing cuz I really liked one of the bands. It was just that I was under the impression that this was supposed to be a 70's revival...but I guess I was wrong. However, I had a good time from what I saw and the crowd that stayed for the first two bands seemed to have enjoyed themselves. I hope next years G-Ball will be even better. Hope to see you all next year....

Jimbo  
jls@umr.edu

Rollins Band  
Come In and Burn  
Dreamworks Records  
Rock

Performance: 7  
Sound Quality: 6 (scratchy)

There's only one way to describe this CD: intense, Henry Rollins style. With Steve Thompson as the producer,

the Rollins band has a honed and more focused sound with their latest release, *Come In and Burn*.

Mr. Rollins is a very interesting artist because he seems to do as much acting as singing. Maybe you've seen him in movies like *The Chase*, *Johnny Mnemonic*, *Heat*, and most recently *Lost Highway*. One wonders whether he took time off from his acting career to make this album or if it is the other way around? Either way he always seems angry about something and doesn't hold back when he sings. That's what makes his music so great: it's mean, it's angry, and it's exciting. While probably none of the songs will be as popular as "Liar," there are a few excellent tracks that deserve a listen. "Starve" was my favorite and judging from the radio airplay it's getting, I'd guess others like it too. The band does plan to tour with this release, and I'd recommend seeing them if you have the chance because they put on one heck of a show.

So, since Mr. Rollins is such a big and angry man and I don't want to upset him by giving him a bad review, I suggest you go out and purchase his CD. But seriously though, the disc is pretty good and you should take a listen to it because you'll probably like it. Jason S.

# TECHnicalities: Tips for the Outdoors



Michael W. Weber  
TECHS Source

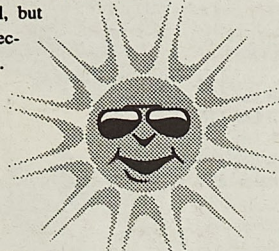
With the advent of spring, many of us are taking those first tentative steps out of the computer lab and into the moderate weather of April. This weather is perfect for football, volleyball, or whatever else peaks interest. This sudden burst of activity can also wreak havoc on our unconditioned bodies. Keep in mind the following ideas while beginning your outdoor season of play.

For starters, pale skin is unattractive, but bright red skin is painful, so make sure you wear sunscreen when necessary. If you overwork your muscles, try taking a cold shower, bath or swim as soon as possible to reduce

swelling. Avoid putting heat on your sore muscles until 24 hours after the initial workout. Adding heat will simply cause the blood vessels to open up more and contribute to fluid build-up. From a medicinal standpoint, anti-inflammatory drugs like aspirin or ibuprofen work well, but always follow the directions on the label. Sports creams like "IcyHot" make your skin feel warm or hot, but they really don't do anything for the aching muscle tissue below.

Many people think that a good massage is the key to recovering from a vigorous workout. When done correctly, a massage can promote circulation and accelerate the healing process. If a massage is given too soon

after the workout or done too vigorously, your muscles can become even more sore. The most important thing to remember is to listen to your body. Don't try to exceed your limitations. When you start hurting, it is time to slow down.



In addition to writing this article, UMR TECHS has been very involved in other recent activities. Members of UMR TECHS helped with the Earth Day celebration Saturday, April 19. In addition, they will be giving a presentation on fitness at Zeta Tau Alpha on May 1. UMR TECHS also interviewed prospective new members and are already busy planning events for next year.

## Army ROTC Announces 5K Run

Army ROTC Cadets Anthony Gibbs and Jason Reynolds are shown with a Rolla area United Way Representative. The UMR Army ROTC Department conducts a charity event called "Run for Your Life." The 5 K run/walk raises money for the Rolla area United Way. This event, scheduled for September 6, attracts runners and walkers of all different skill levels who share one common goal. All participants want to help the United Way continue its selfless service to the community.

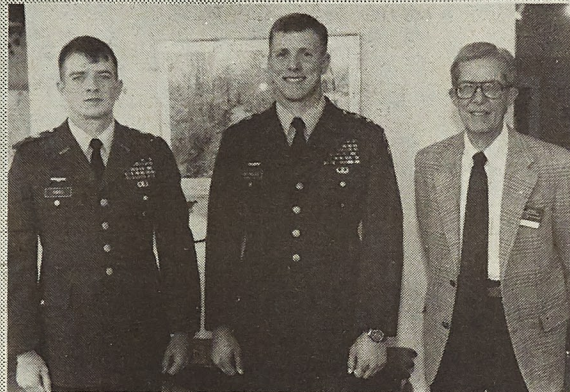


Photo provided by UMR Army ROTC

## SUBCONSCIOUS: SPRING CONCERT ANNOUNCEMENT

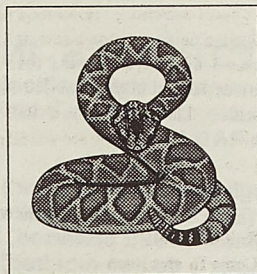


SUB  
Source

The Spring Concert will be on Saturday, May 3. Tickets are now on sale at the UC-West ticket window. The prices are \$10 for a UMR student (two tickets per ID) and \$15 for a public ticket. The show will feature the bands Radio Iodine, Gravity Kills, and The Urge. The show will take place at the Multipurpose Building with the doors opening at 6p.m. and the show starting at 7p.m.

After a packed house last Tuesday, the Student Union Board's April Fools Comedy Series continues this Tuesday night and Tuesday night next week. April 22 will feature the comedian/juggler Bill Fry. That afternoon there will be a juggling workshop. If you are interested in learning to juggle,

this is for you. Then that evening at 8p.m. in the UC East Cafeteria, Bill Fry will perform his original fast-paced comedy juggling with lots of audience participation. The following week on



April 29, comedian Vic Henley will be in town. Vic is a "good ol' boy" that has written, *Things You'd Never Expect a Southern to Say* and co-authored *Games Rednecks Play* with Jeff Foxworthy.

On April 23, Herps Alive will be

slithering onto campus. This hands-on reptile and amphibian program will feature a preview of all the creatures from 11 a.m. to 1p.m. at The Puck with a lecture/show at 7p.m. in 204 McNutt Hall.

The Student Union Board's annual indoor soccer tournament will be held April 26 and 27. Teams need to register before 3p.m. Friday, April 25. Prizes for the top three teams are \$160, \$80, and \$40. An entry fee of \$10 per team is required. Entry forms are available in the Student Union Board office, room 218 UC-West, 341-4220. Referees are also needed for this event. If interested, come by the office and sign up. This position pays \$5 a game.

The movie for the weekend of April 25 and 26 is *The Princess Bride*. This Rob Reiner film has a well assembled cast with the likes of "Andre the Giant" to Billy Crystal. The story is filled with witty humor and larger than life characters.

## Do you have exceptional parents?



Student Council  
Source

Do you feel your parent(s) has been especially supportive? Have they helped you through extenuating circumstances? Do you know of an exceptional staff member at UMR? Every year the Parent Alumni Relations Committee of Student Council sponsors a Parent of the Year Award, which will be presented during home-

coming festivities. An application may be picked up in the Student Council Office.

In addition to the Parent of the Year Award, there are two Staff Member of the Year Awards granted. This award is given to staff members who go beyond the call of duty. One staff member must be professional and the other must be either secretarial or technical. Please E-mail Andy Dare at "dare@umr.edu" with the name of the staff member(s) to be nominated. All nominations should be received by Friday, May 2, 1997.

## FREE CLASSIFIED ADS!

Yes, it's true. The Miner has opened up the classifieds section to all students, faculty & staff, free of charge. If you have something to sell, something to buy, need a roommate, et., et., this is the place to do it. All you need to do is drop off the ad by 3:30 Thursday in the drop box outside the Miner office, 103 Norwood.

Sorry, no event announcements for the classified section. These can be submitted to Student Activities, who in turn give us our Calendar of Events. The Miner reserves the right to edit all submissions for errors, grammar, and matters of good taste. The Miner also reserves the right to refuse to print any submission deemed unacceptable.



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FAMOUS BURRITOS  
11:30-2:00



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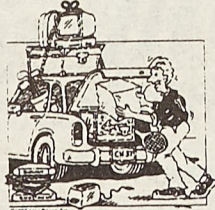
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### FINAL EXAMINATION SCHEDULE WINTER 1997

The final examination period will begin Monday, May 12, 1997 at 7:30 a.m. and end at 5:30 p.m., Friday, May 16, 1997. Common finals are scheduled for those courses listed in Section II below. Room assignments for common finals will be announced by the instructors. The courses not covered in Sections I, II, and III are to be arranged by the instructor in cooperation with the students in that course.

I. Evening Course Finals are scheduled for the evening session during final week. Evening courses are those courses beginning after 5:30 p.m.

II. Common Finals include All Sections of a course.

|                    |           |           |
|--------------------|-----------|-----------|
| B Eng 50           | Monday    | 1:00-3:00 |
| B Eng 110          | Thursday  | 7:30-9:30 |
| B Eng 140          | Friday    | 7:30-9:30 |
| B Eng 150          | Friday    | 7:30-9:30 |
| Chem 223           | Tuesday   | 7:30-9:30 |
| C.E. 233           | Tuesday   | 7:30-9:30 |
| Comp Sc 73         | Friday    | 7:30-9:30 |
| EE 151             | Tuesday   | 7:30-9:30 |
| EE 153             | Thursday  | 7:30-9:30 |
| EE 152             | Wednesday | 7:30-9:30 |
| EE 154             | Wednesday | 1:00-3:00 |
| EM 160             | Tuesday   | 7:30-9:30 |
| Hist 112, 175, 176 | Tuesday   | 7:30-9:30 |
| Math 8             | Monday    | 1:00-3:00 |
| Math 21, 22        | Thursday  | 7:30-9:30 |
| Math 204           | Wednesday | 7:30-9:30 |
| ME 208             | Thursday  | 7:30-9:30 |
| ME 211             | Wednesday | 1:00-3:00 |
| ME 213             | Tuesday   | 7:30-9:30 |
| ME 219             | Friday    | 7:30-9:30 |
| ME 240, 242        | Wednesday | 7:30-9:30 |
| ME 279             | Wednesday | 1:00-3:00 |
| ME 280             | Tuesday   | 7:30-9:30 |
| Phys 23, 24        | Wednesday | 1:00-3:00 |
| Pol Sci 90         | Tuesday   | 7:30-9:30 |

III. Regular Finals

| First Weekly Class Meeting Time | Final Exam Time       |
|---------------------------------|-----------------------|
| Monday 7:30                     | Thursday 3:30-5:30    |
| Monday 8:30                     | Wednesday 10:00-12:00 |
| Monday 9:30                     | Tuesday 1:00-3:00     |
| Monday 10:30                    | Monday 7:30-9:30      |
| Monday 11:30                    | Thursday 1:00-3:00    |
| Monday 12:30                    | Friday 10:00-12:00    |
| Monday 1:30                     | Tuesday 3:30-5:30     |
| Monday 2:30                     | Friday 1:00-3:00      |
| Tuesday 8:05 or 8:30            | Thursday 10:00-12:00  |
| Tuesday 9:30                    | Monday 10:00-12:00    |
| Tuesday 10:30                   | Monday 3:30-5:30      |
| Tuesday 11:05 or 11:30          | Tuesday 10:00-12:00   |
| Tuesday 12:30                   | Friday 3:30-5:30      |
| Tuesday 1:30 or 2:05            | Wednesday 3:30-5:30   |

According to the Student Academic Regulations all requests to change the final schedule because of conflicts or having three or more examinations scheduled on one day "are to be made in the Registrar's Office at least one week before the beginning of the final examination week" (Friday May 2).

## ENGINEERING OPPORTUNITIES

**LOWRANCE ELECTRONICS, INC.**, a manufacturer of Sonar Instruments, Aviation Instruments, Global Positioning Systems (GPS), Navigation Plotters, and Mapping Products, is currently interviewing for the following positions at its Tulsa, Oklahoma R&D facility.

- GPS Navigation Engineer (BSEE required)
- Software Engineer (BSEE or BSCS required)
- Manufacturing Engineer (BSEE preferred, BSME considered)
- GIS/Mapping (Bachelor's degree required)

If you wish to be part of a team developing state of the art electronic products, please contact the Career Opportunity Center to schedule an interview.

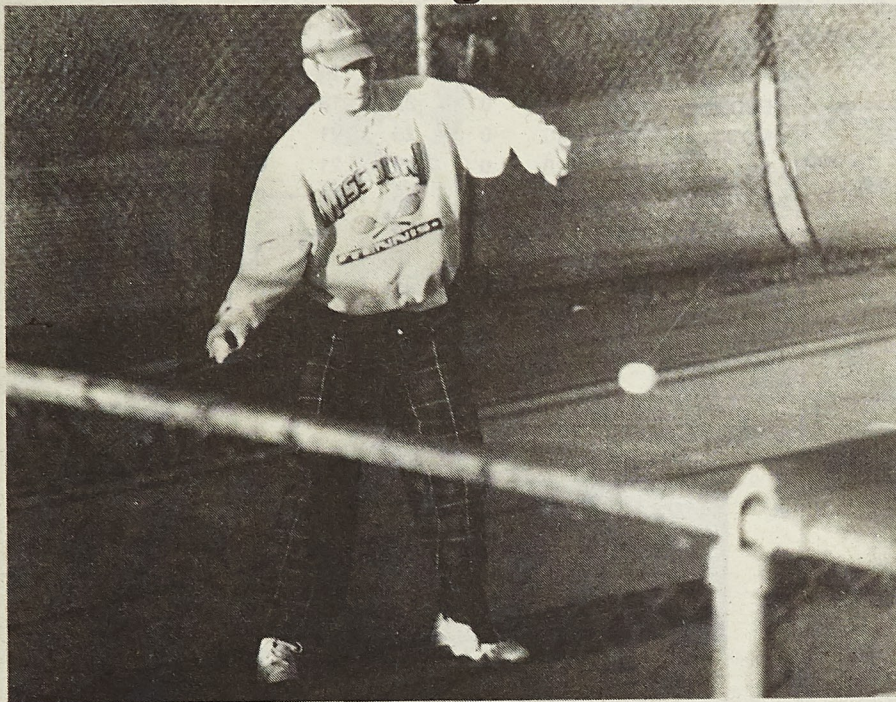
Information Session: Monday, April 28 7-9pm  
\* Contact Career Opportunity Center for location

On-Campus Interview: Tuesday, April 29 8 a.m.-3:30 p.m.

# SPORTS

## Miners face tough competition

# Tennis team goes 0-5 at Central Oklahoma



Justin Ferguson

A Miner tennis player gets ready to return the ball in a recent home game. The tennis team has fallen from a record of 7-3 to a record of 7-8.



Gina Godat

Staff Writer

On April 24-26 the University of Missouri-Rolla Miner Tennis Team will compete in the MIAA Championship.

UMR competed in the Broncho Intercollegiate Tennis Tournament, hosted by The University of Central Oklahoma in Edmond, Oklahoma. The Miners lost to Ferris State, four matches to five. Sergio Esteban, the #1 singles player for UMR, defeated David Mix of FSU, 6-2, 6-2. Matt Davis of FSU defeated Stephen Kadyk, the #2 player for UMR, 6-1, 6-2. Jesse Hill of FSU defeated Chris Brannan, the #3 player for UMR, 6-3, 6-1. John Vett of FSU defeated Matt Hamlin, the #4 singles player for UMR, 6-3, 6-4. Nash Kulendran of FSU defeated the #5 player for UMR, Will Zung, 6-3, 6-4. Matt Balven, the #6 player for UMR, defeated Bryan McGinnis of FSU, 7-6, 6-1.

The combination of Esteban and Kadyk of UMR lost the first doubles match of the competition, 8-4. The Miner Team won the other two doubles matches. Brannan and Zung won by a score of 8-6, and Hamlin and Balven won with a score of 8 games to 5. UMR lost to Central Oklahoma in the second part of the Tournament by a score of 5 matches to 0. In the singles competition, Hamlin was defeated 6-0, 6-2; Zung was defeated 6-0, 6-2. In the doubles competition, Esteban/Kadyk was defeated 8-6; Brannan/Zung lost 8-4; and Hamlin/Balven were defeated 8-3. On Tuesday, April 15, the UMR Tennis Team played a home match with Drury College. The Miners

lost this competition by a score of 3 matches to 6. The Drury Team won the first five singles competitions. Karim Nadji defeated Esteban, 6-0, 6-3. Armando Espinosa defeated Kadyk, 6-1, 6-0. Brent Davidson defeated Brannan, 6-3, 6-3. Dan Schueleler defeated Zung in three sets, 6-2, 3-6, 6-1. UMR won the #6 match, Balven over Kevin Gannon, 6-2, 7-6 (9-7). Drury won the first doubles match over Esteban/Kadyk, 8-6. The Miners won the other two doubles matches. Brannan/Zung won by a score of 8-4, and Hamlin/Balven won eight games to five.

The Miners were shut out by Abilene Christian 5-0 on Fri, April 17. Esteban lost to Lee Griffith 6-1, 6-2. Balven was defeated by Ryan Hughes 6-0, 4-1. In doubles, Esteban and Kadyk lost to Griffith and Jason Kirkland 8-3. Brannan and Zung were defeated by Andrew Cole and Dustin Hawk by a score of 8-6. Hamlin and Balven lost 8-6, to David Galloway and Hughes.

UMR lost to Southwest Baptist University by a score of 3-5 on Sat, April 18. The Miners were swept by the Bearcats in the singles matches, but swept SBU in the doubles competition. Esteban and Kadyk defeated Obertop and Theres by a score of 8-4. Brannan and Zung won 9-8, (7-4) against Adam Austermann and Russel Vost. Hamlin and Balven defeated Josh McKinney and Mark Liter 8-4.

The Miners lost to the University of Minnesota-Duluth by a score of 4-5. Sat, April 18. Duluth swept doubles. Winners for the Miners, in singles, were Esteban 6-2, 6-4, Kadyk 6-4, 7-6, (9-7), Hamlin 3-6, 6-1, 7-7(7-3) and Balven 6-2, 3-6, 6-4. UMR's dual meet record now stands at 7-8.

## Track to compete in Edwardsville



Joseph McLain

Staff Writer

The UMR Miner track team will be very busy this week as they will travel to Edwardsville, Ill., to compete against SIU-Edwardsville Sat, Apr. 26. Then they will spend the rest of their weekend at Pittsburg, Kan., in the

MIAA Hep/Dec. It will start Sun., Apr. 27 and end Mon., Apr. 28.

Last week the Miners were in Warrensburg, Mo, competing in the Mule Relays. In the hammer throw Brian Gorman placed fourth for the Miners. Richard Words took second in the triple jump with a jump of 13.38 meters. The men's team also had three fifth place finishers: Ryan Unterreiner, Damian Johnson, and Kevin Johnson.

Last week on the women's side,

Alicia Klusmeyer took sixth in the discus and third in the javelin. Also, Sheryl Ziccardi placed third in the 3000 meter run for the Lady Miners.

In addition, the Lady Miners had two big finishers in the 10,000 meter run Sheri Lentz and Serena Jagtiani finished second and sixth respectively. In the pole vault it was Abigail Knapp who took second for the Lady Miners to cap off a successful meet for UMR.

## Softball season comes to a finish



Joseph McLain

Staff Writer

This weekend the UMR Lady Miner softball team will compete in the MIAA Tournament in Shawnee, Kan. The event will be held over Fri., Apr. 25 - Sat., Apr. 26. Also next week they will travel to Edwardsville, Ill., to challenge SIU-Edwardsville in a double-header starting at 5 p.m.

Last weekend the Lady Miners were battling in the MIAA Inter-Division Round Robin II on Fri., Apr. 18 - Sat., Apr. 19. In their first game they took on Truman State. The Lady

Miners manufactured four runs to Truman's two. Angie Bax had a two RBI single in the fifth to seal the victory giving Erin Collins the win. In the following game UMR played Missouri Western. Despite getting 10 hits, the Lady Miners could not manage to get any one across the plate. They lost the game 0-8. Becca Alt went 3-4 in the losing effort.

The next match up was against Emporia State. In this game the Lady Miners rallied for three runs in the fifth to take a 3-0 lead. In the final two innings though Emporia scored five to win 5-3.

Central Missouri was the next challenge for UMR. Alt and Candice Luehrs went 2-3 with Alt getting a

stolen base, but their efforts were in vain. UMR ended up dropping this one 9-0.

In the last two games, the Lady Miners faced Washburn and Northwest Missouri, and the final scores were 2-4 and 1-5 respectively, the Lady Miners fell short on both accounts.

Last Wed., Apr. 16 the UMR Lady Miners played a double-header against McKendree in Rolla. In the first game UMR had another big fifth inning. They scored all seven of their runs in the fifth to win 7-1, giving Collins the win. Alt had a big game going 3-4 and getting two stolen bases.

In the nightcap the Lady Miners defeated McKendree 4-2. Bax picked up the win striking out two.

### M-Club Athlete

**This week's athletes of the week are Chris Brannan and Will Zung. Chris and Will make up the #2 doubles team for the Miner Tennis Team. They have earned a record of 11-4 in number two doubles play and a 1-0 record in number one play this season.**

*of the week*



# Miner Scores & Stats

## Miner Baseball

**April 16 at Rolla**  
 Evangel 012 450 0--12 17 5  
 Miners 394 001 x--17 15 1  
 WP: Tom Winkelman (4-2) HR: Matt Bryant (7, solo)

Evangel 000 031 0--4 9 0  
 Miners 000 001 0--1 8 1  
 LP: Randy Root (2-1)

**April 17 at Rolla**  
 College of the Ozarks 200 000 1--3 9 4  
 Miners 004 300 x--7 7 0  
 WP: Jason Cerrano (1-2)

College of the Ozarks 202 003 0--7 7 2  
 Miners 100 005 2--8 10 0  
 WP: Mike Williams (2-1) HR: Matt Bryant (8, solo),  
 Vince Como (1, solo), Pat Sisco (1, 3-run)

**April 19 at Jefferson City, Mo.**  
 Miners 013 422 0--12 14 3  
 Lincoln 100 041 0--6 10 2  
 WP: Tim Rhodes (4-3) HR: Mike Williams (4, solo)

Miners 000 000 000--0 6 2  
 Lincoln 202 200 03x--9 9 4  
 LP: Kevin Hill (1-3)

|        | MIAA |    |   | Overall |    |   |
|--------|------|----|---|---------|----|---|
|        | W    | L  | I | W       | L  | I |
| x-CMSU | 16   | 2  | 0 | 25      | 9  | 0 |
| x-PSU  | 17   | 7  | 0 | 36      | 14 | 0 |
| x-ESU  | 12   | 7  | 0 | 22      | 12 | 0 |
| x-MSSC | 12   | 10 | 0 | 25      | 21 | 1 |
| x-WU   | 10   | 10 | 0 | 22      | 21 | 0 |
| x-MWSC | 8    | 9  | 0 | 18      | 16 | 0 |
| x-UMR  | 10   | 13 | 0 | 16      | 16 | 2 |
| NWMSU  | 7    | 10 | 0 | 15      | 18 | 0 |
| SBU    | 7    | 12 | 0 | 17      | 16 | 0 |
| LU     | 7    | 14 | 0 | 13      | 22 | 0 |
| TSU    | 3    | 15 | 0 | 8       | 27 | 0 |



## Lady Miner Softball

**April 16 at Rolla**  
 McKendree 000 010 0--1 4 1  
 Lady Miners 000 070 x--7 10 2  
 WP: Erin Collins (13-5)

McKendree 000 010 1--2 4 2  
 Lady Miners 022 000 x--4 4 1  
 WP: Angie Bax (15-5)

**April 18 at Shawnee, Kan.**  
 Lady Miners 100 021 0--4 10 0  
 Truman State 002 000 0--2 8 1  
 WP: Erin Collins (14-5)

Missouri Western 003 120 2--8 11 2  
 Lady Miners 000 000 0--0 10 4  
 LP: Angie Bax (15-6)

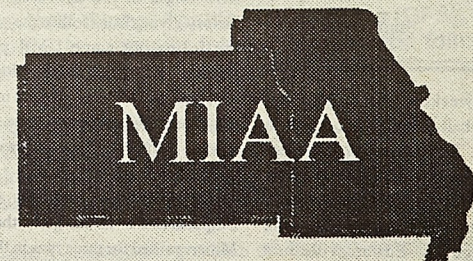
Emporia State 000 003 2--5 10 2  
 Lady Miners 000 030 0--3 7 3  
 LP: Erin Collins (14-6)

**April 19 at Shawnee, Kan.**  
 Central Missouri 041 112--9 16 0  
 Lady Miners 000 000--0 5 2  
 LP: Angie Bax (15-7)

Lady Miners 001 001 0--2 8 0  
 Washburn 103 000 x--4 7 0  
 LP: Erin Collins (14-7)

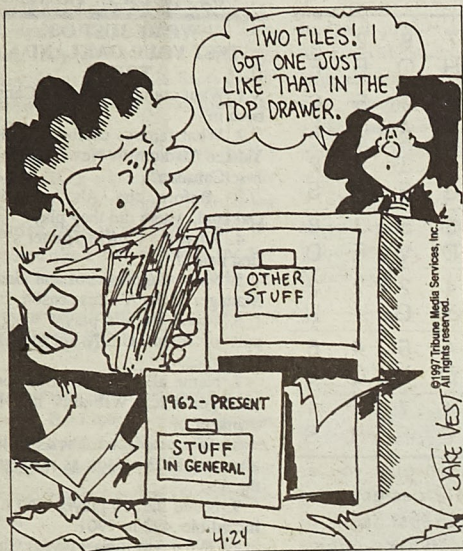
Lady Miners 000 000 1--1 6 2  
 Northwest Missouri 102 101 x--5 10 0  
 LP: Angie Bax (15-8)

|         | MIAA |    |   | Overall |    |   |
|---------|------|----|---|---------|----|---|
|         | W    | L  | I | W       | L  | I |
| x-CMSU  | 14   | 1  | 0 | 26      | 7  | 0 |
| x-PSU   | 10   | 4  | 0 | 22      | 13 | 0 |
| x-NWMSU | 10   | 5  | 0 | 21      | 14 | 0 |
| x-WU    | 8    | 5  | 0 | 22      | 18 | 0 |
| x-MWSC  | 7    | 6  | 0 | 26      | 13 | 0 |
| x-ESU   | 7    | 8  | 0 | 17      | 15 | 0 |
| x-SBU   | 6    | 8  | 0 | 20      | 14 | 1 |
| x-MSSC  | 6    | 8  | 0 | 16      | 14 | 0 |
| UMR     | 5    | 9  | 0 | 29      | 17 | 0 |
| TSU     | 5    | 10 | 0 | 18      | 15 | 0 |
| LU      | 0    | 14 | 0 | 4       | 32 | 0 |

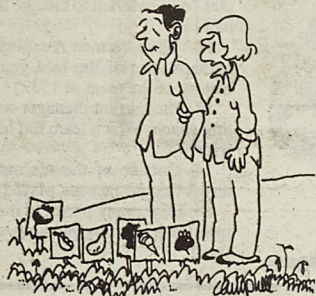




### THAT'S JAKE by Jake Vest



'I think when you only have one file, it kinda defeats the purpose of a file cabinet.'



"You are raising something, dear. And a fine rabbit it is, too."



"Don't argue with your grandmother. I've been grounded since 1937!"

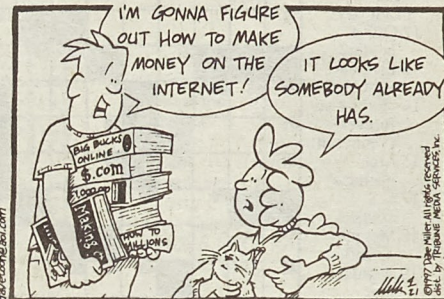


"To your left a little. There - you're right on top of it."

# COMICS



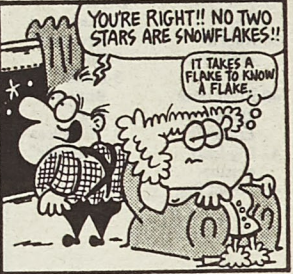
### DAVE by David Miller



### GEORGE by MARK SZORADY



### THE SPATS by JEFF PICKERING



### BUTCH AND DOUGIE by ALEX HOWELL



### OUT ON A LIMB by GARY KOPERVAS

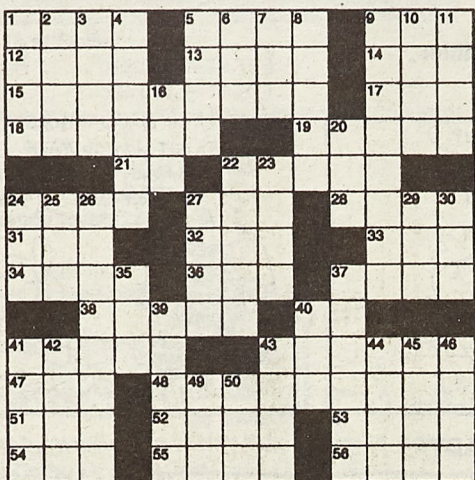
ANOTHER DAY IN THE LIFE OF THE MAN WITH THE PERMANENT GRIN ON HIS FACE...



# DIVERSIONS

## KING CROSSWORD

- ACROSS**  
 1 Noble Italian name  
 5 Gridiron stat  
 9 Deli buy  
 12 Office holder?  
 13 Earthenware pot  
 14 "But — on forever" (Tennyson)  
 15 Arch enemies?  
 17 U.S. soldiers  
 18 Met presentations  
 19 A Muskeeteer  
 21 Breakfast quaff  
 22 Let  
 24 Actor  
 27 Lindstrom or Zadora  
 28 Do this before you break a bone  
 31 Jackie's second  
 32 Clumsy craft  
 33 Greek P  
 34 Comical sorts  
 36 Tiny  
 37 9 Across, e.g.  
 38 Huckleberry, for one  
 40 River once known as Eridanus  
 41 Big Easy cuisine  
 43 Soviet flag



- symbol  
 47 Grounded Aussie  
 48 Mealtime seat  
 51 Herbert of "The Pink Panther"  
 52 "Tosca" tune  
 53 Part of A.D.  
 54 Backtalk  
 55 See to  
 56 Spots  
**DOWN**  
 1 Musical repetition  
 2 Chit  
 3 Buster Brown's dog  
 4 "Sleepless in Seattle"  
 5 Leaves  
 6 Stout relative  
 7 Poorly  
 8 Like some French vowels  
 9 Tightrope  
 10 Exchange premium  
 11 Model Kate  
 16 Uris' "The"  
 20 AAA job  
 22 Broadcast  
 23 Controversial TV  
 24 Chew the rag  
 25 Man-mouse link  
 26 Decathlon event  
 27 Use as collateral  
 29 — Na Na  
 30 Stolen  
 35 Without a — (broke)  
 37 Coffee blends  
 39 Remove headgear  
 40 Snap  
 41 Honeycomb compartment  
 42 Mine, in Marseilles  
 43 Herringlike fish  
 44 Rosebud's owner  
 45 Occupation  
 46 Piccadilly statue  
 49 Dander  
 50 Martini ingredient

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 B A B S R S N H N H O B E  
 4 8 2 7 5 6 8 2 6 7 3 5 6  
 I B L I P E O I W F A O L  
 5 3 7 6 5 6 4 7 6 4 3 8 2  
 S R T I I F N T E G E U S  
 4 6 8 3 2 5 7 5 4 3 5 3 8  
 J B N I S T O I O D V E D  
 2 7 8 2 3 6 2 5 8 4 2 7 2  
 I H S S A E Y E F Y O I U  
 7 8 2 7 4 6 3 8 6 4 6 4 6  
 G O R H T G S R I O N O S  
 8 2 8 7 4 8 7 4 7 4 7 4 4  
 Y S O G T U E H A E R R S

HERE IS A PLEASANT LITTLE GAME that will give you a message every day. It's a numerical puzzle designed to spell out your fortune. Count the letters in your first name. If the number of letters is 6 or more, subtract 4. If the number is less than 6, add 3. The result is your key number. Start at the upper left-hand corner and check one of your key numbers, left to right. Then read the message the letters under the checked figures give you.

## challenger® THE INTERNATIONAL CROSSNUMBER GAME

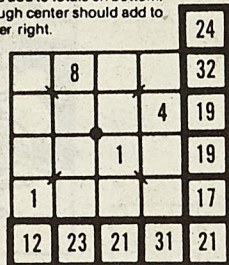
**DIRECTIONS:**  
 Fill each square with a number, one through nine.  
 • Horizontal squares should add to totals on right.  
 • Vertical squares should add to totals on bottom.  
 • Diagonal squares through center should add to total in upper and lower right.

THERE MAY BE MORE THAN ONE SOLUTION.

Today's Challenge

Time **5** Minutes  
**2** Seconds

Your Working  
 Time Minutes  
 Seconds



## Trivia Test

by Aaron E. Tucker

1. What does the "Q" in Q-TIPS stand for?
2. Where was Barbra Streisand born?
3. What state is New York Yankee owner George Steinbrenner originally from?
4. How did Mr. Steinbrenner build his fortune?
5. What country does Alex Trebek of "Jeopardy" hail from?
6. What state does Diana Ross live in the U.S.?
7. Name Bea Arthur's grandson's character's name on the great 1970s' sitcom, "Maude."
8. What town and state did the famous "Maude" sitcom supposedly take place in?
9. Who portrays the construction worker in "The Village People"?
10. What former member from the cast of the hit sitcom, "Rhoda," starring Valerie Harper, portrayed D.L. Brock on "General Hospital"?
11. What prime-time sitcom did Christopher Rich appear in? (Chris was a favorite from "Another World".)
12. What do the late Tallulah Bankhead and Jennifer Bassey of "All My Children" have in common?
13. When she was 22 and he was 44, they dated, and opened eyes. Name this country & western couple.
14. What was Jackie Gleason's funniest line on "The Honeymooners"?
15. Name the actress who portrayed Granny Clampett on "The Beverly Hillbillies".

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 see Solutions, page 11

## Sports Quiz

by Aaron E. Tucker

### WE'RE JUST O.K. TEST YOUR OAKLAND A's TRIVIA

1. What country was Jose Canseco born in?
2. What famous celebrity came to Yankee Stadium in New York to see Jose Canseco?
3. Before the A's moved to Oakland, where did they play?
4. What is "Catfish Hunter's" real first name?
5. Name the president and General Manager of the A's this season.
6. Name the A's player who was part of Team U.S.A. in the 1984 Olympics.
7. Name all six teams that former manager Dick Williams has been manager of.
8. Who replaced Dick Williams after the 1973 season as manager of the A's?
9. Name the A's player who hit an incredible .422 in 1901.
10. What was former owner Charlie O. Finley's favorite color?
11. What color did former owner Charlie O. Finley want the powers-that-be in baseball to change the baseball to?
12. What former A's player had, perhaps, one of the best year in the history of the team in 1932?
13. The current manager was a hitting coach. Which team did he do this with?
14. Outside of the A's, name two teams Reggie Jackson played for.
15. How many wins did the A's get from their starting pitching staff last year?

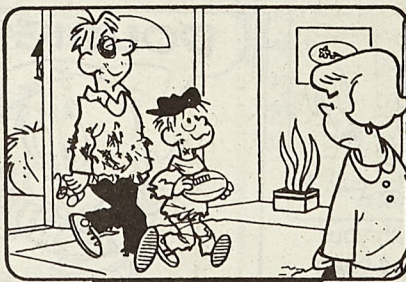
## MAGIC MAZE

### RHYMES WITH RHYME

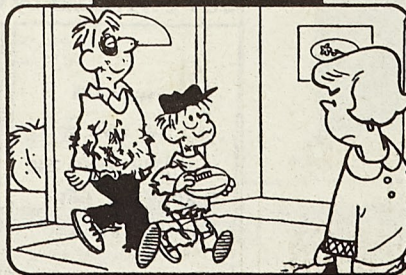
Z B X U Q M J F B Y U R O K H  
 D A X S U Q N K H E B Y V S P  
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 B E Y B W T R P M K I F D B Y  
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 B Z X I W U S E Q O N L M M L  
 J H F M T E M I L S D C I E E  
 A Y W E M I T D E B V R T M T  
 S E M I R P R Q M P G N Y I B  
 L Y H C K I H A I F E H N D C  
 L C E M Y Z N E M I T Y A D B

Find the listed words in the diagram. They run in all directions—forward, backward, up, down and diagonally.

- |         |         |          |         |
|---------|---------|----------|---------|
| Anytime | Crime   | Lyme     | Slime   |
| Bedtime | Daytime | Maritime | Sublime |
| Chime   | Enzyme  | Mime     | Thyme   |
| Climb   | Grime   | Prime    |         |



## HOCUS-FOCUS



FIND AT LEAST 6 DIFFERENCES BETWEEN PANELS.

### Bridge

from page 1

egories. Nationally, we ended up achieving 10th out of 41 teams."

Out of the eight teams that enter the regional competitions, only the first and second place finishers qualify for the National Steel Bridge Building competition. This year they will be held Saturday, May 24 at California State Polytechnic University in Pomona, Calif.

The actual preparation for the event takes approximately a year according to Manis. The team started back in August. They received their list of rules for the competition, and then they began

to think of ideas for their bridge. They then started fabricating the bridge in February, and three weeks ago they finished the project.

Manis said, "We take the bridge in prefabricated boxes that are specified measurements to the competition. Before the competition, we practice putting it together, and we also make sure it meets the load-mass test requirement."

Manis hopes they go to nationals again. "I think we have a good chance, but who knows," Manis said.

### Rocko

from page 4

regurgitating the person it had just swallowed. But I spent the rest of the time, when the snake wasn't around, wondering how many pairs of shoes and purses I could manufacture from a 40 foot snakeskin.

Aside from this general lack of interest in the storyline, the movie was also rather predictable. So, basically, what this means is that when I wasn't thinking about snakeskin shoes (and actually paying attention), I was ruining the end by telling myself what was going to happen.

In case you are still having a little trouble catching my drift about *Anaconda*, then allow me to translate: This movie was a wee bit lame.

**New Video Releases as of Tuesday, April 22:**

- Big Night*
- The Rich Man's Wife*
- To Gillian on Her 37th Birthday*
- Dear God*
- The Visitors*
- The Ex*
- Wasp Woman*
- Inside*
- Small Wonders*
- Mother Night*
- Set It Off*



### Prof

from page 2

Dartmouth College. After gaining his doctorate in 1970 in metallurgical engineering from the University of Michigan, Askeland joined the UMR faculty.

There have been many awards bestowed upon Askeland in his years of teaching. He won the UMR Outstanding Teaching award every school year from 1982-83 to 1991-92. He was named UMR Distinguished Teaching Professor in 1990 and received the Governor's Award for Excellence in Teaching in 1992. Askeland has been honored with the AMOCO Teaching Award, Burlington-Northern Faculty Achievement Award, UMR Faculty Excellence Award, and named UMR outstanding advisor.

### Solutions

from page 10

#### Hocus Focus Differences

1. Light is missing.
2. Glasses are missing.
3. Cap is reversed.
4. Plant is missing.
5. Collar is different.
6. Cuff is added.

#### ATHLETIC ANSWERS

1. Havana, Cuba; 2. Madonna; 3. Kansas City; 4. Jim; 5. Sandy Alderson; 6. Mark McGwire; 7. Boston, Oakland, Montreal, California, San Diego and Seattle; 8. Alvin Dark; 9. Napoleon Lajoie; 10. green; 11. orange; 12. Jimmy Foxx had 58 HR's and 169 RBI's; 13. with Don Baylor and the Colorado Rockies; 14. Baltimore Orioles and New York Yankees; 15. 47, the third worst in the A.L.

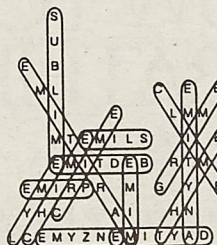
#### TRIVIA ANSWERS

1. Quilted 2. Brooklyn, N.Y.; 3. Cleveland, Ohio; 4. shipping; 5. Canada; 6. Greenwich, Conn.; 7. Phillip; 8. Tuckahoe, N.Y.; 9. David Hodo; 10. David Groh; 11. "The Charmings"; 12. they call everyone "Darling"; 13. Tanya Tucker and Glen Campbell; 14. "IT CERTAINLY LOOKS LIKE RAIN TONIGHT!"; 15. Irene Ryan

solution

|    |    |    |    |    |
|----|----|----|----|----|
| 6  | 8  | 9  | 9  | 32 |
| 3  | 5  | 7  | 4  | 19 |
| 2  | 7  | 1  | 9  | 19 |
| 1  | 3  | 4  | 9  | 17 |
| 12 | 23 | 21 | 31 | 21 |

#### RHYMES WITH RHYME



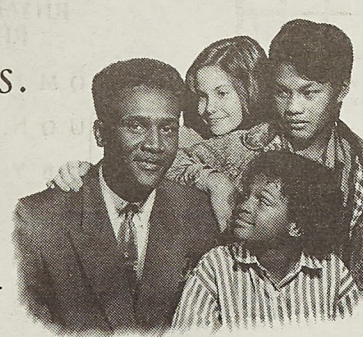
#### Answers to King Crossword

|       |        |       |     |
|-------|--------|-------|-----|
| EST   | E      | GAIN  | HAM |
| CLIP  | O      | LLA   | IGO |
| HIGH  | H      | EELS  | GIS |
| OPERA | S      | ATHOS |     |
| O     | J      | ALLOW |     |
| JOHN  | PIA    | WISH  |     |
| ARI   | ARK    | RHO   |     |
| WAGS  | WEE    | MEAT  |     |
| HOUND | PO     |       |     |
| CAJUN | SICKLE |       |     |
| EMU   | HIGH   | CHAIR |     |
| LOM   | ARIA   | ANNO  |     |
| LIP   | TEND   | SEES  |     |

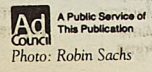
# GIVE FIVE.

# A GOAL THAT REALLY COUNTS

Ivan Neal has put out a lot of fires. He's not a firefighter—he's a teacher. But to the kids he's reached, he's a hero.



**BE A TEACHER. BE A HERO.**  
Call 1-800-45-TEACH.




## MERGE

When we all work together, great things can happen.

**MDA**  
Muscular Dystrophy Association  
1-800-572-1717  
People help MDA...because MDA helps people.

Whatever causes you're giving to now, set a goal to increase your giving to a level that will make a permanent and positive difference. Give Five - 5 hours a week and 5% of your income. The rewards will make you feel like a winner every day of your life. For more information, call 1-800-55-GIVE-5.



# INDOOR SOCCER TOURNAMENT

TEAM ENTRY DEADLINE: 3:00 P.M. FRIDAY APRIL 25, 1997

**GAMES WILL BE HELD ON SATURDAY & SUNDAY APRIL 26 - 27**

MINIMUM AMOUNT OF PRIZES:

**1st Place \$160  
2nd Place \$80  
3rd Place \$40**

Entry forms are available NOW in the Student Union Board office rm 218 UC-West, 341-4220

A \$10 ENTRY FEE IS REQUIRED PER TEAM

REFEREES ARE ALSO NEEDED. IF INTERESTED COME BY THE SUB OFFICE AND SIGN-UP REFEREEING PAYS \$5.00 PER GAME

## HOW TO USE THE BATHROOM.

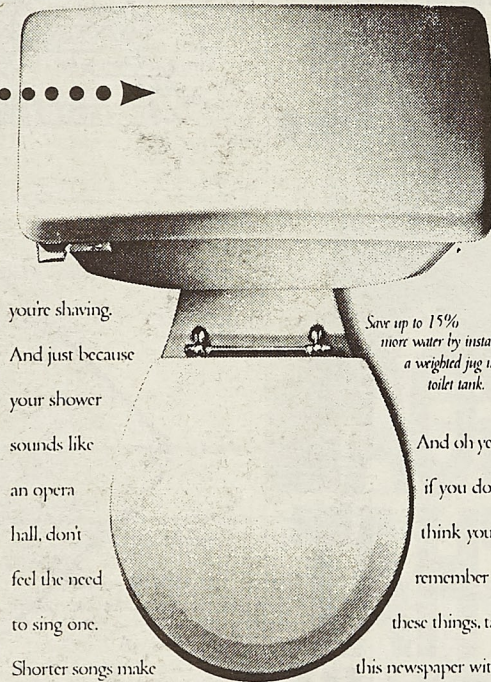
You're probably saying

to yourself, any four-year-old knows how to use the bathroom. But you may not know that you use more water in the bathroom than anyplace else in your home. In fact, between the



You could end up using 30 to 40% less water by using a low-flow shower head.

toilet, the shower and the sink you can use up to 55 gallons a day. Multiply that by the number of homes in the world, and that's a lot of natural resources going down the drain. Now, we're not saying you should stop taking showers or brushing your teeth. We're just suggesting some simple bathroom training. For instance, when you're brushing your teeth, turn off the water. Do the same when



Save up to 15% more water by installing a weighted jug in your toilet tank.

you're shaving. And just because your shower sounds like an opera hall, don't feel the need to sing one. Shorter songs make

for shorter showers. And for the biggest culprit of them all, the toilet, try putting a weighted jug in the tank. It will help save water every time you flush. Plus, don't forget to turn out the lights when you leave. You'll be helping to conserve electricity.

And oh yeah, if you don't think you'll remember these things, take

you the next time you go.

This message brought to you by the 43 environmental charities that make up Earth Share.

For more tips or information on how you can help, write Earth Share, 3400 International Drive NW, Suite

2K (AD2), Washington,

D.C. 20008.



Earth Share

**TWELVE MILLION**

**POOR REPORT CARDS.**

**TWELVE MILLION**

**SHORTER LIFESPANS.**

**TWELVE MILLION**

**DREAMS UNREACHED.**

**EVERY YEAR,**

**HUNGER CONSUMES**

**TWELVE MILLION**

**AMERICAN CHILDREN.**

We met him at a local food pantry on a day when it had food. On some days it doesn't, and that's where you come in. Our free brochure describes the many ways you can help feed the many hungry children in your community. Do you have a more important call to make?

**SECOND HARVEST**  
HUNGER'S HOPE

Buy recycled. It would mean the world to them.

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# EMPLOYMENT

## FULL-TIME

**EFCO, INC.** Method: PRS-FCFS  
 P.O. Box 609 Interview Date: 05/01  
 Monet, MO 65708  
 Attn: Mr. Richard H. Collins,  
 Degree Level: B M Minimum GPA: 3.000  
 Majors: CIVL  
 Grad Dates: 0597 00  
 Citizenship: US/Perm  
 Position Available: Entry Level Civil Engr.  
 Position Location: Monett, MO  
 Information on position available in 301 Norwood Hall  
 Schedule from resumes company received from COC.

**LITTELFUSE, INC.** Method: Open  
 100 West Johnson Interview Date: 04/25  
 Centralia, IL 62801  
 Ms. Diane Boswell, Administrative Assistant  
 Degree Level: B M Minimum GPA: 2.950  
 Majors: EMAN MECH  
 Grad Dates: 1296 0597 0797  
 Position Available: Manufacturing Engineer; Production Supervisor  
 Position Location: Centralia, IL  
 OPEN SIGN-UP DATE: Immediately  
 Take transcript to the interview.

**LOWRANCE ELECTRONICS** Method: PRS-OPEN  
 12000 East Skelly Drive Interview Date: 04/29  
 Tulsa, OK 74128  
 Attn: Ms. Rachel Tripp, Engr Administ. Coordinator  
 Degree Level: B M Minimum GPA: 2.950  
 Majors: ELEC CMPS MECH  
 Grad Dates: 1297 0597 0797  
 Citizenship: US/Perm  
 Position Available: Software Design Engineer; Manufacturing Engineer  
 Position Location: Tulsa, OK  
 Deadline for submitting resumes: April 24 - 12:00 noon  
 Information on position available in 301 Norwood Hall  
 PRE-RECRUITMENT MEETING: Monday, April 28 - 7:00 p.m.-Silver & Gold Room  
 www.lowrance.com

**LOWRANCE ELECTRONICS** Method: PRS-OPEN  
 12000 East Skelly Drive Interview Date: 04/29  
 Tulsa, OK 74128  
 Attn: Ms. Rachel Tripp, Engr Administ. Coordinator  
 Degree Level: B M Minimum GPA: 2.000  
 Majors: ENG M&M A&S  
 Grad Dates: 1296 0597 0797  
 Citizenship: US/Perm  
 Position Available: Geographical Information Systems - Mapping  
 Interested in anyone with a Bachelor's degree interested in mapping  
 Position Location: Tulsa, OK  
 Deadline for submitting resumes: April 24 - 12:00 Noon  
 Information on position available in 301 Norwood Hall  
 PRE-RECRUITMENT MEETING: Monday, April 28 - 7:00 p.m.-Silver & Gold Room  
 www.lowrance.com

**OLIN CORPORATION** Method: Open  
 427 North Shamrock Interview Date: 04/24  
 East Alton, IL 62024-1174  
 Attn: Ms. Angela Standefer, Placement Specialist  
 Degree Level: B M Minimum GPA: 2.700  
 Majors: MET  
 Grad Dates: 0597 0797 1297  
 Citizenship: US Only Position Available: Metallurgical Engineer  
 Position Location: East Alton, IL  
 OPEN SIGN-UP DATE: April 17 - 8:00 a.m.  
 THIS WILL BE A VIEWNET INTERVIEW.  
 See Room 302 Norwood Hall for information and instructions on this interview.

**WOODWARD CLYDE CONSULTING** Method: Open  
 10975 El Monte, Suite 100 Interview Date: 04/29  
 Overland Park, KS 66211  
 Attn: Mr. Curt Elmore, Project Engineer  
 Degree Level: M Minimum GPA: 2.450  
 Majors: CIVL GEE  
 Grad Dates: 1296 0597 0797  
 Position Available: Staff Geotechnical Engineer  
 Position Location: Overland Park, KS  
 OPEN SIGN-UP DATE: Immediately  
 http://www.wcc.com/

## SUMMER

**CANON U.S.A. INC.** Method: PRS-OPEN  
 3200 Regent Boulevard Date of Interview:  
 Irving, TX 75063  
 Ms. Heather Chudzinski  
 Majors: ELEC CMPS MGTS  
 Minimum GPA: 2.000  
 Must be at least Junior standing.  
 Position Available: Summer Intern Program - Southwest Region  
 Position Location: Austin, Dallas, San Antonio, TX  
 APPLICANT MUST SUBMIT RESUMES BY THURSDAY, MAY 1, 1997  
 Information on position and Application Procedures in 301 Norwood Hall.

LITTLE BY LITTLE,  
 OUR WATERS ARE LOOKING  
 LESS LIKE ART  
 AND MORE LIKE TRASH.

You can help protect our water by using natural lawn care products, less toxic household cleaners and by recycling used motor oil.  
 Call 1-800-504-8484 and we'll send you more on how you can help protect our rivers, lakes and oceans forever.

**CLEAN WATER.  
 IF WE ALL DO A LITTLE,  
 WE CAN DO A LOT.**

NRD DC Natural Resources Defense Council AC Japan Ad Council Ad Green EPA

# WHAT'S UP AT UMR

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

## Wednesday

**11:00 am:** Student Union Board Herps Alive petting zoo, Puck

**11:30 am:** Student Council Blood Drive, Centennial Hall, UCE

**12:00 pm:** Booster Club, Barracks Restaurant

**4:00 pm:** Volleyball Club Women's practice, Rec Center

**4:30 pm:** Student Council, Walnut Rm, UCW

**5:30 pm:** Sigma Gamma Epsilon, 206 McNutt

**6:00 pm:** Eta Kappa Nu, 104 EE

**6:00 pm:** Spelunkers Club, 204 McNutt

**6:00 pm:** Chess Club, Gallery, UCE

**6:00 pm:** ASME, 104 ME

**7:00 pm:** Amateur Radio Club, 110 Buehler

**7:00 pm:** IEEE, 117 CE

**7:00 pm:** College Democrats, 216 McNutt

**7:00 pm:** Student Union Board Herps Alice lecture, 204 McNutt

**7:00 pm:** AICHE, G-3 Schrenk

**7:30 pm:** Kappa Kappa Psi, 125 Schrenk

**7:30 pm:** Tau Beta Sigma, 126 Schrenk

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

**7:30 pm:** Bahai Club, Meramec Rm, UCE

**8:30 pm:** Phi Eta Sigma officer elections, G-5 HSS

**9:00 pm:** Student Union Board, Homecoming planning committee, 216 ME

## Thursday

**11:30 am:** Student Council Blood Drive, Centennial Hall, UCE

**1:30 pm:** Academic Council, 204 McNutt

**3:30 pm:** Computer Science Colloquium, "Object-Oriented VHDL," by Peter Ashenden, 209 MCS

**4:00 pm:** Student Council, Walnut Rm, UCW

**4:00 pm:** Volleyball Club, Women's practice, Rec Center

**4:30 pm:** Civil Engineering Graduate seminar, "Stress-Strain Relationships of Reinforcing Bars Under Biaxial Stress Field," by Amlan Sengupta, 217 CE

**5:00 pm:** Pi Tau Sigma, 107C ME Annex

**6:00 pm:** AICHE Committee on Legislation, 109 CSF

**7:00 pm:** Koinonia, Walnut Rm, UCW

**7:00 pm:** Intervarsity Christian Fellowship, Sunrise Rm, UCE

**7:00 pm:** Gaming Association, 231 McNutt

**7:00 pm:** Sigma Phi Epsilon, 139 Schrenk

**7:00 pm:** SHPE, 216 McNutt

**7:00 pm:** Toastmasters, 109 CSF

**8:00 pm:** Academic Competition Organization, 314 CE

**8:00 pm:** Solar Car Team, EMgt Bldg

## Friday

**12:30 pm:** National Society of Black Engineers, Mark Twain Rm, UCE

**3:00 pm:** Trap and Skeet Club, 107 Buehler

**6:00 pm:** Spanish Club, Mark Twain Rm, UCE

**7:00 pm:** Show Me Anime, 204 McNutt

**7:00 pm & 9:00 pm:** SUB Spring Films, *Princess Bride*, 104 ME

## Saturday

**9:00 am:** Delta Sigma Theta Art Show, Carver-Turner Rm, UCE

**9:00 am:** C. L. Dake Society Mineral Auction, 2nd Floor McNutt

**2:00 pm:** Chess Club, Gallery, UCE

**5:00 pm:** Society of Women Engineers, 206 McNutt

**7:00 pm & 9:00 pm:** SUB Spring Films, *Princess Bride*, 104 ME

**8:00 pm:** Campus Performing Arts Series, t. Louis Symphony Orchestra, Leach Theatre, Castleman

## Sunday

**8:00 am:** Baptist Student Union, Missouri Rm, UCE

**2:00 pm:** Turkish Student Assn., Children's Day Luncheon, Centennial Hall, UCE

**2:00 pm:** Chinese Student Assn., 216 ME

**2:00 pm:** University Choir and the University Symphony Orchestra to perform concert, Leach Theatre, Castleman

**3:00 pm:** Panhellenic Council, Walnut Rm, UCW

**4:00 pm:** Alpha Phi Alpha, Walnut Rm, UCW

**7:00 pm:** Sigma Phi Epsilon, 139 Schrenk

**8:00 pm:** KMNR, 107C ME Annex

**8:30 pm:** Omega Sigma, 204 McNutt

## Monday

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

**4:30 pm:** Chemistry Seminar, "Therapeutic Role of Various Antioxidants in Lead Poisoning," by Hande Gurer, G-3 Schrenk

**5:30 pm:** Spanish Club, 203 HSS

**7:00 pm:** National Society of Black Engineers, 204 McNutt

**7:00 pm:** Christian Science, Sunrise Rm, UCE

**7:30 pm:** Arnold Air Society, 201 Harris

**8:00 pm:** Academic Competition Organization, 314 CE

## Tuesday

**2:05 pm:** "The Missouri Quality Award Program," by John Politi, 204 McNutt

**4:00 pm:** General Faculty Meeting, 104 ME

**4:30 pm:** SMSTA, G-8 HSS

**5:00 pm:** IFC, 216 McNutt

**6:30 pm:** Society of Women Engineers, Missouri Rm, UCE

**7:00 pm:** Tau Beta Pi, G-3 Schrenk

**7:00 pm:** Alpha Phi Omega, 114 CE

**7:00 pm:** Film Festival - "Angels & Insects," Leach Theatre, Castleman

**8:00 pm:** Student Union Board Comedian Vic Henley, UCE Cafeteria

**9:00 pm:** Arnold Air Society, 208 Harris

**9:30 pm:** Juggling Club, Rec Center

**9:30 pm:** Delta Omicron Lambda, 126 Schrenk

## Next Wednesday

**10:30 am:** Tau Beta Pi, Pizza sales, Puck

**12:00 pm:** Psi Club Banquet, Gallery UCE

**4:30 pm:** Student Council, Walnut Rm, UCW

**4:00 pm:** Volleyball Club, womens practice, Rec Center

**5:30 pm:** Sigma Gamma Epsilon, 206 McNutt

**6:00 pm:** Chess Club, Gallery UCE

**6:00 pm:** Spelunkers Club, 204 McNutt

**6:00 pm:** Eta Kappa Nu, 104 EE

**6:30 pm:** Blue Key, 216 ME

**7:00 pm:** Amateur Radio Club, 110 Buehler

**7:00 pm:** UMR College Democrats, 216 McNutt

**7:30 pm:** Bahai Club, Meramec Rm, UCE

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

**7:30 pm:** Kappa Kappa Psi, 125 Schrenk

**7:30 pm:** Tau Beta Sigma, 126 Schrenk



## Classifieds

### House for Rent

3 blocks from UMR, 408 E. 12th St.; 5 rooms: living room, dining room, 2 bedrooms, bath, kitchen. Accessories include electric stove, refrig, dishwasher, electric heat with room thermostats, ceiling fans and central air conditioning. **Downstairs:** 2 rooms, bath/shower. Leasing: June 1 for \$410.00. For appointment, call 1-314-638-8374

### Service available

**Affordable Typing and Resume Service.** Call 341-5084

### Help Wanted

**Men/Women earn \$480 weekly** assembling circuit boards/electronic components at home. Experience unnecessary, will train. Immediate openings in your local area. Call 1-520-680-7891 EXT C200.

### Position Available

Immediate positions available for contract programming, design and development for a St. Louis based technology company. Must be at least a junior in Computer Science or Electrical Engineering. Pay will be \$15.00 per hour. Must be able to devote 20 hours per week. Visual Basic, Omnis, or SQL experience a plus. Send resume to GTM Enterprises, Inc., 411 West Orchard, Ballwin, MO 63011, or fax to (314)256-8539, or send to our e-mail address on the Internet at [GMORRISGTM@AOL.COM](mailto:GMORRISGTM@AOL.COM)



## Extra! Extra!

The Missouri Miner reserves the right to edit all submitted announcements for style, grammar, punctuation, spelling, length, and matters of good taste. Announcements must be submitted by 3:30 p.m. on Thursday before publication.

### UMR to host CBCO Blood Drive

The Community Blood Center of the Ozarks' blood drive, sponsored by the UMR Student Council, will be on campus, Wednesday and Thursday, April 23rd and 24th, at Centennial Hall, from 11:00 am to 5:00pm both days.

### Attention May Graduates

Commencement announcements are

Wednesday  
now available  
for all studen  
on May  
announceme  
University at

Report sum  
Students are  
summer job  
Career Opp  
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www.umr.e  
Center in roc

Coffee Talk  
The Multicu  
Program in  
students to a  
9-11am on  
Office in R  
Free coffee,  
good convers  
third Thurs  
will have  
discussions.  
is: Stress  
May 15.

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Student Fir

now available in the Registrar's Office for all students who will be graduating on May 17, 1997. These announcements are provided by the University at no cost to the graduate.

**Report summer jobs to COC**

Students are reminded to report their summer jobs and internships to the Career Opportunities Center if they have not already done so. Forms are available on the COC website at [www.UMR.edu/~career/](http://www.UMR.edu/~career/) and also at the Center in room 304 Norwood Hall.

**Coffee Talks**

The Multicultural Educational Support Program invites faculty, staff and students to a series of coffee talks from 9-11am on Thursdays at the MESP Office in Room 107 Norwood Hall. Free coffee, homemade pastries and good conversation are included. On the third Thursday of every month, MESP will have a guest host to lead discussions. The remaining guest host is: Stress Reliever with Ann Wilks, May 15.

**Freshman Orientation needs your help**

Volunteers are needed to assist with the Freshman Orientation weekends. You can make a difference by informing prospective students of why UMR should be their first choice, have fun and take a break from your normal routine. Freshman Orientation dates are: April 25, June 11, and June 13, 1997. For more information, contact OSAC at 341-4211 or [pfrisbee@umr.edu](mailto:pfrisbee@umr.edu), or stop by the Center for Personal and Professional Development, 204 Norwood Hall.

**Financial Aid Information**

**Federal Work-Study Requisition Deadline**

For departments to be considered for Fall 97/Winter 98 work-study assistants, departmental requisition forms for Fall 97/Winter 98, must be completed and returned to the Student Financial Aid Office, G-1 Parker Hall, by July 21, 1997. If you need requisition forms, please contact Linda Sands in the Admissions/Student Financial Aid Office at ext. 4282.

**Tau Beta Pi Scholarship**

**CRITERIA:**

- \* Currently enrolled at UMR
  - \* Full-time undergraduate engineering student (includes Eng. Mgt. and Eng. Mech.)
  - \* Completed a minimum of 30 credit hours
  - \* Have a minimum 3.5 cumulative GPA
  - \* Previous winners are ineligible
- Applications available in the Student Financial Aid, G-1 Parker Hall. Application deadline: Return to the Student Financial Aid Office, or the Tau

Beta Pi mailbox by April 25, 1997.

**Air & Waste Management Association's Midwest Section Scholarship**

**ELIGIBILITY:**

Individuals must be full-time or part-time graduate students pursuing courses of study and research leading to careers in air pollution control and/or waste management at the start of the 1997-98 academic year. The Scholarship is only a one-year award. To qualify for a second year, individuals must reapply. Applications available in the Student Financial Aid Office, G-1 Parker Hall. Application deadline must be postmarked by: May 30, 1997.

**Society of Fire Protection Engineers Greater St. Louis Chapter**

Our intent is to promote the study of all engineering disciplines to help develop individuals with the knowledge and ability to meet the future technical needs of our country and the world. While our scholarships will only partially help meet the financial needs of an aspiring engineering student, we hope it reassures the students that there are concerned parties that wish them success in their quest for knowledge.

**CRITERIA:**

- \* Native St. Louisian, or be interested in working in St. Louis after graduation.
- \* Full time student with minimum 60 credit hours in an engineering curriculum at a BS or MS level.
- \* Financial need, past academic achievements, and community involvement will be considered in the scholarship selection process.

**Missouri Industrial Development Council 1997 MIDC Heartland BEDC Scholarships**

MIDC will again be offering two \$475.00 scholarships for worthy students who are wanting to attend the Heartland BEDC this year. The one week course in basis economic development will be held June 1-6, 1997, at the Holiday Inn Crowne Plaza in Kansas City. These prospective students who wish to apply for the scholarship must complete an application and return to the MIDC office no later than May 1, 1997.

**Sigma Nu Tristan G. Pinzke Memorial Scholarship**

Student 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. Financial need shall not be a requirement. Applications available in the Student Financial Aid Office, G-1 Parker Hall. Application deadline must be submit to the Student Financial Aid Office by: April 30, 1997.

**Carat Scholarship Foundation**

Carat Scholarship Foundation is funded by the contributions of civic-minded individuals, businesses and various fund raisers. The Foundation offers \$500 - \$1000 scholarships semiannually to graduate and undergraduate students who are United States citizens. The scholarship are awarded on the basis of career goals, financial needs and academic records. To receive current information packets and applications for The Carat Scholarship, send a stamped self addressed envelope to: Carat Scholarship Foundation, Attn.: Carol McAuliffe-Director, 5 Magnolia Parkway, Hawthorn Woods, IL 60047. November 1, 1997 for a December 15 distribution, April 1, 1998 for a June 15, 1998 distribution, and November 1, 1998 for a December 15, 1998 Distribution.

**Heavy Constructors Association of the Greater Kansas City Area**

The Heavy Constructors Association Industry Advancement Fund (HCA-IAF) Scholarship is directed toward individuals pursuing degrees in civil engineering, construction management, business administration, computer science, management information systems, mathematics or any other technical field. The prerequisite is that the student demonstrates a commitment toward a career in construction. Additionally, the student will also be required to work in summer construction while in school. The Association will assist with placement if necessary. Applications available in the Student Financial Aid Office, G-1 Parker Hall. Application deadline: April 25, 1997. Please submit applications to the Student Financial Aid Office.

**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.

**The William M. Reiss Foundation Scholarship Fund**

Scholarship recipients are limited to Graduates of publicly supported High schools located within the city limits of Belleville, Illinois. Students working toward a degree in medicine, but not nursing, are excluded. Post Baccalaureate students will not be considered. Applications available in the Student Financial Aid Office, G-1 Parker Hall. Application must be sent by: May 1, 1997.

**The Midwest Concrete Industry Board, Inc.**

The Mid-West Concrete Industry Board has established a perpetual fund

known as the Mid-West Concrete Industry Board Education Fund. This Fund is an endowment fund that will provide financial assistance to college engineering students pursuing a Bachelor of Science or higher degree that includes concrete and concrete design courses as an integral part of their degree program.

**APPLICATION REQUIREMENTS:**

\* The applicant's permanent residence as indicated on college or high school 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 or 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.

\* The application must be typewritten. Responses to questions on the application must be answered on the form, with the exception of the essay questions, which may be typed on a separate sheet and attached to the application. The application must be accompanied by a college transcript.

\* (a) A statement appraisal of the applicant in terms of potential for growth, character, leadership capacity, and career interest from three evaluators is required: at least one should be from a faculty member. The statements must be returned directly to MCIB by each evaluator. Recommendations sent to MCIB by the applicant will not be

accepted.

(b) Applicants must ensure that MCIB has received these appraisals before application deadline. Applications available in the Student Financial Aid Office. Application must be received by: April 30, 1997.

**Missouri Council of the Blind**

Any legally blind person enrolled in or under consideration for admission to post secondary training programs, who are Missouri residents, and have submitted a completed application and all required supporting materials, are eligible to be considered for a MCB scholarship. The definition of legal blindness is as follows: Visual acuity of 20/200 or less in the better corrected eye or a visual field of 20 degrees or less in the better corrected eye. To be eligible you must be legally blind in BOTH eyes. Applications available in the Student Financial Aid Office, G-1 Parker Hall. Applications must be received by: May 1, 1997.

**The John Gyles Education Fund**

The John Gyles Education Fund is a private, benevolent endeavor established seven years ago with the help of a Canadian/American benefactor. Full Canadian or American citizenship is a requirement. Awards are available to both male and female students for all areas of post-secondary study. A minimum GPA of 2.7 is required. Criteria other than strictly academic ability and financial need are considered in the selection process. Selected students will receive up to \$3,000.00. Filing dates for mailing applications in 1997 are June 15th, and November 15th. To receive an application please send only a stamped\*\*\* (US 32), self-addressed, standard letter size (No. 10) envelope to the following address: The John Gyles Education Fund Attention: R. James Cogle P. O. Box 4808, 712 Riverside Drive Fredericton, New Brunswick Canada E3B 5G4 \*\*\*We use international mail services, therefore U.S. postage is acceptable.

**STUDENT PARKING PERMITS REMINDER**

The date to begin signing up for the 1997-98 parking permits is May 1, 1997. Sign-up takes place at the University Police Department, located in the H.I.S. Building, at the corner of 14th & Bishop Streets.

If you have a parking permit now, you need to pay for it by May 31, 1997, to renew it for next year.

If you wish to upgrade to another lot, or if you don't have a permit at this time, you will need to sign up on a waiting list. You will then be contacted as parking spaces become available on a first come, first serve basis.





With your help,  
MDA is building  
a tomorrow without  
neuromuscular diseases.



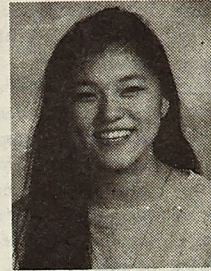
Muscular Dystrophy Association

1-800-572-1717

Age 7, 1982



Age 15, 1990



Age 18, 1993



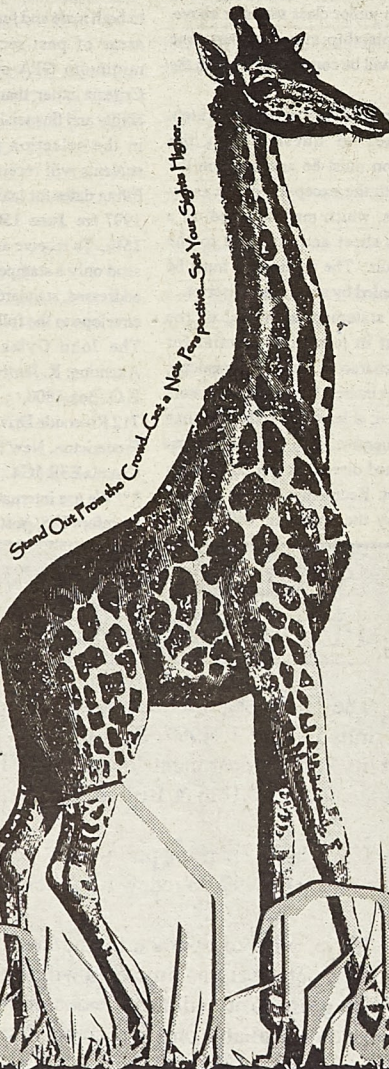
Elizabeth Suto.

Killed by a drunk driver on February 27, 1994, on Bell Blvd.  
in Cedar Park, Texas.

### SIUE Summer Session '97 Go Ahead and Get Ahead This Summer

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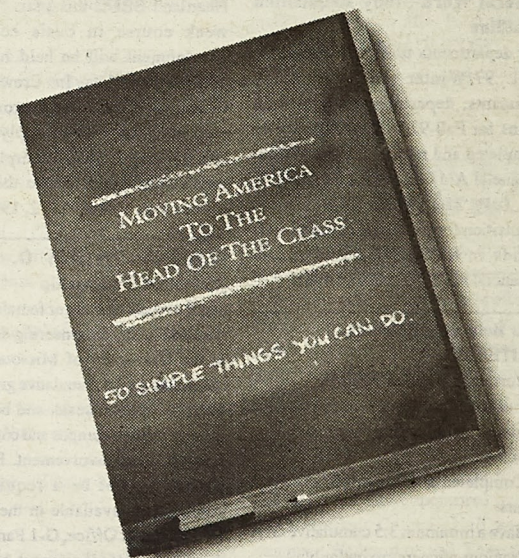
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