



06 Oct 1993

## The Missouri Miner, October 06, 1993

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# Missouri Miner



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

October 6, 1993

Volume 83, Number 7

Twenty Eight pages

## Chem safety course sparks discontent

John Kilpatrick - Staff Writer

Chem 4 seems to be the most controversial freshman class this year. The administration in general sees it as necessary and helpful while the students see it as an unnecessary nuisance. The class is now mandated by OSHA to take any laboratory class in chemistry and it will soon be necessary at every university. The teacher of the class, Dr. Hardtke, called the class boring and mostly common sense. It is already mandatory to attend every class of the three week course here. Dr. Hardtke went to extreme measures to make sure that everyone in the class had the lecture of the day, he even put it on tape. Some students had stronger words for it and I did not talk to any students that thought it was a good class. The opinions from the class ranged from it was a complete waste of time to it was all right but... The students also thought that OSHA should mind their own business. I also heard an opinion that the reason for this is chemistry students who graduate from college do not have any idea what is safe and what is extremely dangerous in the work place. Most of the students I talked to said that it would be better to have it as part of the lab course instead of separate. The students in general viewed it as a necessary evil and did not like the way it was done and felt that the teacher made a good effort to make the best of the bad situation that OSHA left the university with.

## UMR's new Queen



Doug Sobory

Rakiyah Mason was announced as 1993's Homecoming Queen at halftime during Saturday's football game vs. SBU.

## Career Day is a resounding success

Career Opportunities Center - SOURCE

Despite the day-long deluge, recent Fall Industry Career Day attracted large numbers of UMR students interested in full-time, summer and co-op positions.

The Multi-Purpose Building was filled with 70 industry displays and more than 150 recruiters from companies like Cargill, John Deere, Dow Corning, IBM, Amoco, Boeing, Procter and Gamble, and Chrysler Technologies.

Many students took advantage of the opportunity to wear their suit, meet with company representatives, directly discuss employment and personally hand deliver their resume.

For many UMR students this was the first opportunity to be able to talk directly with recruiters about companies they had previously just been able to read about:

"I got to talk to quite a few recruiters and a couple actually told me they had positions right now. It was very busy. It seemed a lot of students really took advantage of the opportunity and there were also more companies there than I expected. I also volunteered in

see Career, page 4

## Eighteen honored at Alumni Association's awards banquet



News Services  
SOURCE

Eighteen alumni, faculty, staff, and friends of the University of Missouri-Rolla were honored during the MSM-UMR Alumni Association's Awards Banquet held Saturday, Oct. 2, at UMR. The awards banquet was held in conjunction with UMR's Homecoming Weekend celebration.

The awards and recipients are as follows:

The Alumni Achievement Award, presented in recognitions of achievements by alumni in academia, business, professions or civic endeavors, was awarded to:

—Gerald W. Bersett of Florissant, Mo., president of the Winchester Division of Olin Corp. of East Alton, Ill. A 1965 graduate of UMR with a

Bachelor of Science degree in Metallurgical Engineering. Bersett was awarded an honorary professional degree from UMR in 1982. He joined Olin in 1965 and became President of the Winchester Division in 1988. He was a member of the MSM-UMR Alumni Association's Board of Directors for six years and is active in many civic and professional organizations.

—Dr. Leonard F. Koederitz of Rolla, Distinguished Teaching Professor of Petroleum Engineering at UMR. Koederitz received all three of his degrees from UMR: a Bachelor of Science in Chemical Engineering in 1968, a Master of Science in Petroleum Engineering in 1969, and a Ph.D. in Petroleum Engineering in 1970. He then became a director at Atlantic Richfield Co. and in 1975 became a professor of Petroleum Engineering at UMR. He was named a Distinguished Teaching Professor in 1992.

—John A. Mathes of St. Louis, retired chief executive officer of John Mathes and Associates Inc., an Environmental Engineering firm based in Columbia, Ill. Mathes received a Bachelor of Science and Master of Science degrees in Civil Engineering from UMR in 1967 and 1968, and was awarded an honorary professional degree from UMR in 1991. Mathes started his firm in 1975, then sold the business to Burlington Environmental Inc. and retired in 1991. He has led volunteer efforts for the UMR Civil Engineering Department's Project 2000 development campaign and has been active in many professional and civic organizations, including the St. Louis section of the American Society of Civil Engineers and Boy Scouts of America.

—Roy A. Wilkens of Tulsa, President and Chief Executive Officer of WilTel, a Tulsa based telecommunications firm. Wilkens received a

Bachelor of Science degree from UMR in 1966 and was awarded an honorary professional degree from the campus in 1991. He joined Continental Pipeline Co. in 1966, then joined Williams Pipe Line Co. in 1977, where he became president in 1983. In 1985, he founded WilTel as an operating unit of Williams Pipe Line. He is a member of UMR's Academy of Electrical Engineering and led the MSM-UMR Alumni Association's Tulsa Section from 1986 to 1991.

The Alumni Service Award, presented in recognition of service by alumni to the university and the MSM-UMR Alumni Association, was awarded to:

—Dr. Edward E. Hornsey of Rolla, Associate Professor of Basic Engineering and Engineering Mechanics at UMR. Hornsey received his Bachelor of Science, Master of Science and Ph. D. degrees in Mining Engineering from UMR in 1959, 1961

and 1967, respectively. He became an assistant professor of Engineering Mechanics in 1967 and was appointed to his current position in 1988. Hornsey co-wrote three editions of UMR's materials testing laboratory manual and has developed two software programs used in the Materials Testing Laboratory course. He is a member of several professional organizations and was awarded the MSM-UMR Alumni Association's Outstanding Adviser Award in 1987.

—Dr. James W. Johnson of Rolla, professor of Chemical Engineering at UMR. Johnson received his Bachelor of Science, Master of Science and Ph. D. degrees from UMR in 1957, 1958 and 1961, respectively. He began teaching at UMR in 1958, becoming an associate professor in 1963 and a professor in 1967. He chaired the Chemical Engineering Department

see Awards, page 27



# What's Up at UMR

## Wednesday

2:30 pm STUCO lawyer, Walnut

3pm UMR womens soccer, Westminster College, at Fulton

4pm "Diabetes Mellitus and the Bioartificial Pancreas", Chemical Engineering Graduate Seminar, R. L. Fournier, 125 Shrenk

5pm UMR mens soccer, Westminster College, at Fulton

5pm Student Activity Fee Board Mtg., Walnut

5:30 pm Intramural Managers Mtg.

6pm MSM Spelunkers Club Mtg., 204 McNutt

6pm Blue Key Mtg., 216 ME

6pm Eta Kappa Nu Mtg., 103 EE

6:30pm, AIAA Mtg., 104 ME

6:30pm Student Council Legal Services, Walnut

The Cycling Club meeting originally scheduled for this wednesday has been postponed until next wednesday, 10/13, at 7pm.

7pm Associated General Contractors Mtg., 114 CE

7pm "Study Skills," G-8 TJ

7pm Alpha Chi Sigma Mtg., G-3 Shrenk

7:30pm UMR Panhellenic Council sponsors IMPACT self-defense workshop with Harvest Collier, TJ south lounge

7:30pm Kappa Kappa Psi Mtg., 321 Chem Eng

7:30pm Tau Beta Sigma Mtg., 315 Chem Eng

7:30pm Society of Mining Engineers Mtg., 201 McNutt

8pm Starfleet Mtg., Maramec

8pm SUB: Hot, Sexy and Safer by Suzy Landolphi

8pm College Republicans Mtg., 205 H-SS

9pm Arnold Air Society Mtg., 208 Harris

## Thursday

8am Eleventh annual Mine Rescue Contest. For more information contact Dick Hatfield at 341-4328.

11:30a "Miller City Levee Failure", Civil Engineering Graduate Seminar Series with Glendon Stevens Jr., 114 CE

12:30pm "A World of Opportunity" Civil Engineering Senior Seminar Series with Jonathan Motherwell, 114 CE

12:30pm Newman Scripture

3:15pm "Modeling of the Consolidation of Ceramic and Metal Matrix Composites" Ceramic Engineering Seminar with Rollie Dutton, 204 McNutt

4pm "A Brief History of Bad Science", Physics Colloquium, Carl Bender, 104 Physics

4:45pm Toastmasters Mtg., Missouri

6:30pm IFC Rush Chairmen Mtg., Silver & Gold

6:30pm American Nuclear Society Mtg., 227 Fulton

7pm Soc. of Hispanic Professional Engineers Mtg., 212 McNutt

7pm ASCE EIT Review Session, 117 CE

7pm Alpha Phi Alpha Informational Seminar, Missouri

7pm IMPACT Month comedy act, "Higher Education," Centennial Hall, University Center-East

7:30pm Lutheran Student Center Bible Study

8pm St. Pat's Committee Mtg., 107C ME Annex

10pm Table Tennis Club practice, Miner Rec

## Friday

1:30pm Christian Science Org. Mtg., Sunrise

3:30pm Trap & Skeet Mtg., Bldg. T-2

6:30pm Show-Me Anime Mtg., 212 McNutt

6:30pm Intervarsity Christian Fellowship Mtg., Missouri

7pm SUB MOVIE: The Mind's Eye/Beyond the Mind's Eye, ME 104

9pm SUB MOVIE: The Graduate, ME 104

## Saturday

9am Army ROTC 5-kilometer "Run For Your Life", from Ber Juan Park.

10pm Cross Country Miner Invitational, UMR Golf Course

12pm Gaming Association gaming 139 Chem

SUB 3 on 3 Basketball begins

2pm Student Curator Interviews, Walnut

2pm UMR men's soccer, Lewis University, Romeoville Ill.

7pm UMR Miner football, Pittsburg State University, at Pittsburg.

7pm Association of Black Students Talent Show, Centennial East

7pm SUB MOVIE: The Mind's Eye/Beyond the Mind's Eye, ME 104

9pm SUB MOVIE: The Graduate, ME 104

7pm Amnesty International Mtg., 202 Library

## Sunday

2pm UMR women's soccer, William Woods College, at Fulton

6:30pm Voices of Inspiration Mtg., TJ South

9pm Blue Sabres Mtg.

## Monday

12pm University Orators Chapter of Toastmasters International, Missouri Room UCE. For more info call Linda Bramel at 341-4117.

4:30pm "Synthesis and Characterization of Metal Ion Binding Polyesters Containing 2,2'-Biimidazole", G-3 Shrenk

4:30pm Sigma Tau Delta Mtg., H-SS

6pm Gaming Association Mtg., 105 ME

7pm National Society of Black Engineers Mtg., 204 McNutt

7pm UMR women's soccer, Colorado Christian University, UMR Soccer Complex

7pm Amnesty International Mtg., 202 Library

7:30pm Alcoholics Anonymous Mtg., Walnut

8pm Eta Kappa Nu EE H.p Sessions, 103 EE

## Tuesday

3:30pm "Asynchronous Parallel Schemes: A Survey" 209/209A Math-Computer Science

3:30pm "Recipe for Success" 208 Norwood

5:30pm Society of Women Engineers Mtg., Maramec

6pm Student Council Mtg., 204 McNutt

6:30pm Theta Tau Omega Freshmen of the Year Interviews, G-3 Shrenk

7pm American Society of Mechanical Engineers Mtg., 114 CE

7pm ASCE EIT Review Session, G-5 H-SS

7pm Society of Petroleum Engineers Mtg., 212 McNutt

7pm UMR Film Series - Husbands and Wives, ME 104

8pm Koinonia Mtg., 305 Chem Eng

8pm Chi Alpha Mtg., Missouri

9pm Alpha Chi Sigma Pledge Mtg., 140 ChemEng

10pm Table Tennis Club practice, Miner Rec

## Wednesday

5pm UMR men's soccer, University of Missouri-St. Louis, UMR Soccer Complex

6pm Sigma Gamma Epsilon Mtg., 210 McNutt

7pm "Creating Professionalism", Amy Ruggeri

7pm AICChE Mtg., G-3 Schrenk

7pm "Time Management" G-8 TJHA

7pm American Society of Civil Engineers Mtg., 114 CE

7pm SUB: Shakespeare's "The Tempest," Leach Theatre, Castleman Hall

7pm Cycling Club Mtg., G-1 Rolla

7:30pm UMR womens soccer, University of Missouri-St. Louis, UMR Soccer Complex

## Financial Aid

### PETER D. COURTOIS CONCRETE CONSTRUCTION SCHOLARSHIPS

Two \$1,000 (U. S.) awards are available through the ACI Concrete Research and Education Foundation (ConREF) for undergraduate study in concrete construction for the 1994-95 academic year.

see Aid, page 18

## Missouri Miner

The **Missouri Miner** is the official publication of the students of the University of Missouri-Rolla. It is distributed each Wednesday afternoon at Rolla, Missouri and features activities of the students of UMR.

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

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.

Submissions for publication must be in our drop box (first floor of the Norwood Hall, Room 103) by 3:30 p.m. on the Thursday before publication. The **Missouri Miner** reserves the right to edit all submissions for style, grammar, punctuation, spelling, length, and matters of good taste.

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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# Opinions

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## ATTENTION:

*Please keep the following in mind.*

1. The views expressed on the opinions page of the *Missouri Miner* are not necessarily the views expressed by the staff and editors of the paper.
2. All articles submitted for the opinions page must include a name and phone number. However, the author has the right to keep their identity anonymous when it appears in the paper.

## Letter to the editor:

Several quick comments regarding Greg Kuntz's editorial titled "New parking designations put students on the street" in the September 22, 1993 issue.

First ... four students are appointed each year to serve on the campus parking committee. (A total of eighteen individuals serve on this group.) Their comments are seriously considered by other members of the committee.

Second ... parking lot maintenance and operating costs can be assumed to be approximately equal per campus parking space. Question: Do those paying higher fees have a point when they contend that they have been subsidizing lower fee paying users for years?

Third ... more students have parking stickers this year than last, and with comparable access to the central campus.

Fourth ... the picture of Lot 13 is very misleading. Undoubtedly it was taken on a weekend or before school started this fall.

Thanks,

Neil K. Smith

## Attention:

All articles to be printed in the *Missouri Miner* **MUST** be submitted no later than 3:30 on the Thursday of the week before the issue is to come out. There will be **NO EXCEPTIONS!!!** All articles should be placed in the drop box outside the Miner office. This means do not give them to someone in the office because often times they may be misplaced and never received by the correct individual. If the articles are placed in the drop box before 3:30 on Thursday, they will be printed in the following issue of the *Missouri Miner*!

## Topic: St. Pat's Open Forum

Date: Wednesday, October 20th

Time: 6:30 p.m.

Place: ME 104

Bring Your Concerns, Suggestions, and Ideas.

Sponsored by Student Council (341-4280) and the St. Pat's Celebration Committee



## Are you fighting those first year pounds?



News  
Services  
SOURCE

You have been around for almost two months now. You have survived the first round of exams, negotiated truces with disagreeable roommates, and coped with random bouts of homesickness. Just when you think you have this "college thing" under control, you take a long look in the mirror.

A long, agonizing scream is heard. The "Freshman Ten" has been realized.

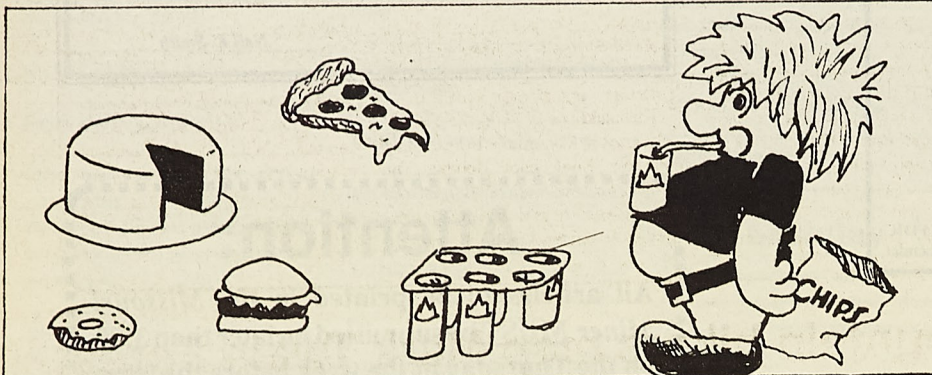
For a large percentage first-year students, the new lifestyle offered by full-time college life has its nutritional perils and many students find themselves a few pounds heavier before their first semester is over. Most students have never been faced with so

many food choices before. Students find themselves forced into eating at times they aren't used to. You may be getting different kinds of food and in different portions than before. There is also an unspoken peer pressure to eat in such group settings.

Alcohol also plays a significant role in the "Freshman Ten". When you make the decision to digest all the extra calories (particularly in beer), without significantly increasing your level of physical activity, the results end up in unwanted places. The body uses the food calories first, leaving the alcohol calories for fat. Many students think "light beer" eliminates the potential for the "beer gut syndrome". However, 12 ounces of light beer equals about 10 ounces of regular beer so there is not that much difference especially if consumed in large quantities.

To counteract this weight gain, you must first actively and regularly engage in some sort of exercise regimen. Running, walking, basketball or intramurals are only some of the ways to stay fit. Second, it helps to have a friend at mealtimewho is also watching his or her diet. Having another person who skips dessert or reminds you to use low calorie dressing and condiments can have a big impact. Third, simply drink less or not at all.

It is a fact that many first-year students don't maintain the level of activity necessary to work off the excess calories because academic pressures and social commitments vie for time that might otherwise be used for exercise. If you have questions or concerns about the "Freshmen Ten" contact UMR's Substance Abuse Prevention Program, 341-4292, 106 Norwood Hall.



## New Executive Director of MO Democratic Party appointed



News Services  
SOURCE

State Chairman, Eugene Bushmann announced today the appointment of Richard Martin as Executive Director for the Missouri Democratic Party. After a thorough search, by Bushmann and Governor Mel Carnahan and a vote of the Executive Committee, Martin was chosen.

Martin worked as a Regional Coordinator for the Clinton/Gore Victory '92 Coordinated Campaign in the Kansas City Office. Since the campaign he has been involved in a national grassroots campaign on behalf of the Medical Rehabilitation Education Foundation (MREF). His responsibilities for MREF have included with the Missouri Association of Rehabilitation Facilities (MARF) and coordinated public hearings with Rep. Richard Gephardt and Rep. Alan Wheat.

"Richard will offer our State Party a new perspective on fundraising and grassroots organizing," said

deal of time in the private sector. Both the Governor and I feel he will offer new and creative ideas in building on our success of '92."

"With four special elections called from November 2, we needed someone who can raise money and knows how to turn out votes," said Governor Carnahan. "Richard directed the get-out-the-vote (GOTV) effort in Kansas City during my campaign and did an outstanding job. I am confident that he will help us win these special elections and be instrumental in our effort to maintain a democratic party in the state legislature."

"I look forward to taking on the challenges that face the Missouri Democratic Party and I appreciate the confidence shown on me by Gene and Governor Carnahan," said Martin. "My first priority is to maintain our majority in the state legislature."

Martin is from Dallas, Texas and he is a 1982 graduate of the University of Texas where he majored in Marketing and minored in Political Science. Prior to working for Clinton/Gore in Kansas City, Richard worked for Senator Bob Kerrey (D-

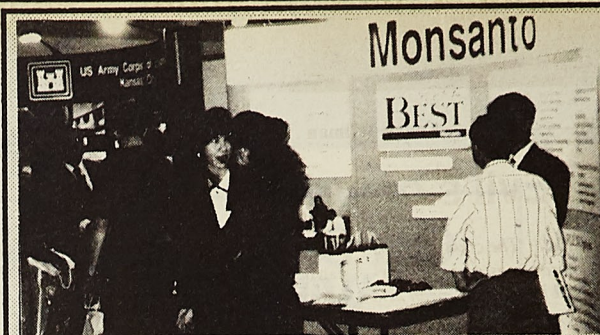
## National Audubon Society outing scheduled



News Services  
SOURCE

The Ozark Rivers Chapter of the National Audubon Society will hold an outing Saturday, October 9th, to visit several interesting and scenic geologic sites. Art Hebrank, geologist with the Department of Natural Resources and Curator of the Mining Museum in Ironton, will lead the group on a visit to Elephant Rocks, Johnson's Shut-ins, and Taum Sauk Mountain.

Participants should bring a sack lunch and meet in the northeast corner of the Kroger parking lot on 4th Street in Rolla at 8:00 a.m. to carpool, or meet at 10:00 a.m. in Ironton at the Ft. Davidson Historic Site parking lot. The outing will conclude about 3:00 p.m. This activity is free and the interested public is invited to attend.



Career Day gives students an opportunity to meet industry representatives.

## Career

from page 1

the morning in setting up their displays and I think that helped me feel more relaxed when I arrived late in my suit," Heather Ingracia, B. S. Geological Engineering May 1993.

"I thought that Career Day was very well organized and that the recruiters were relatively interested in

UMR grads. All the company handouts and brochures are very helpful because they describe what the company actually does," Matt Boyce, B. S. Civil Engineering Dec 1993.

A second Career Fair is scheduled for later this year on February 23, 1994.

## Army ROTC 5K "Run for Your Life"



News Services  
SOURCE

The fourth annual Run For Your Life 5-k, sponsored in part by Mullally Distributing, is scheduled to start at 9:00 A.M., October 9 near the Ber Juan Park pavilion. The run is sponsored by the Stonehenge Battalion, UMR Army ROTC. Proceeds will be for flood relief in the Missouri area.

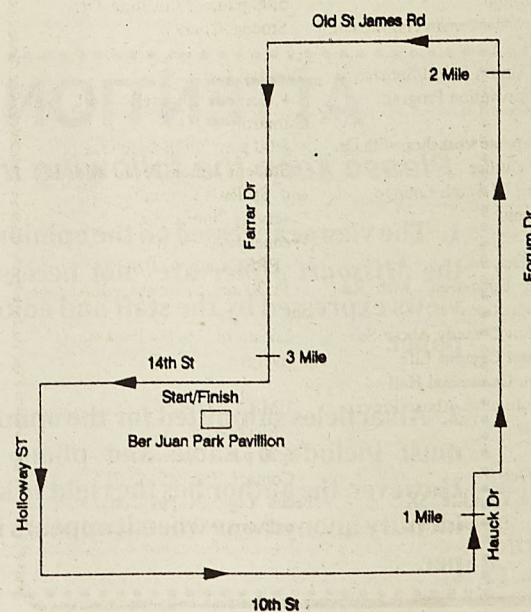
Upon conclusion of the run, awards will be presented at the park pavilion at 10:00 A.M. The top male and female finishers will receive trophies. The first through third place individual finishers will receive cer-

tificates by age group in both male and female categories. The age groups will be 19 and under, 20-29, 30-39, 40-49, 50 and over.

In conjunction with the 5 kilometer event, a one mile fun run will commence at 9:45 A.M. All participants of the fun run will receive a participation award.

The race fees for both events will be \$6.00. The first 100 participants will receive a Run for Your Life T-Shirt. Late registration will begin at 8:00 A.M. at the Ber Juan park pavilion.

For more information, either on particulars of the race or on entry and participation information, contact Major Don White, Military Science Department, 302 Harris Hall, UMR (314) 341-4744. Entry forms also available at Key Sport, in Rolla.





# Features

Laurie Wilman

## The Evil's of writer's block

*Author's Note: The creator of this work of literary masterpiece is currently ailed by a rather mean and nasty cold and would like the audience to bear this in mind as it reads the following.*

Okay, folks, I will put this very simply: I am presently suffering from the worst case of writer's block I have experienced in a very long time. The creative juices simply are not flowing, and humor seems to keep getting pushed aside by that mean ol' thing which goes by the alias of "Schoolwork", more commonly known as "Stress." (How dare it!). I guess I should probably be studying for one of those much-too-challenging quizzes I'm sure I have tomorrow (although knowing which subject to study could most definitely aid in beginning the whole process), but since both you and I need a break from anything at all intellectual, I'll try to scribble something here anyway.

Gee, let's see. I could write about autumn, but it's only been around for two weeks now, and it just seems a little earlier to exhaust that subject. There's always test anxiety and how to cope, but mid-terms aren't until next week and my

motto lately is "Never do now what can be put off until later" — my own personalized version of time management, you see. The old standby — the weather — could be remotely interesting if it ever broke free from the highly-annoying little cycle it seems to have become quite enraptured with over the past five months or so. (I don't know about you, but I'm starting to develop a slightly bizarre duck-like inflection in my voice and an unusual fondness for the song "Be Kind to Your Web-Footed Friends.") For us out-of-towners, I could talk about home, but all that would cause is campus-wide homemade chocolate-chip cookie cravings, and, well, what with all the pressure we're already under, I'd much rather not be responsible for that, too. I could write about sports, but my most recent obsession — hockey — is still playing exhibition games, so there is nothing very interesting going on yet anyway (although why on earth the Blues would trade Nelson Emerson is still completely beyond me). Since my mommy always taught me never to discuss politics or relig-

see Block, page 31

## SUBConscious: Sex night

SUB  
SOURCE

Homecoming is now over, and you may be thinking, "Wow! Those SUB folks are just incredible, putting all this stuff on for us! They're probably about ready to take a break." Well, guess again. We're just getting started! Tonight (Wed.) is SEX NIGHT. Suzi Landolphi candidly talks and jokes about everyone's favorite subject in "Hot, Sexy, and Safer." She appears at Castleman Hall tonight at 8:00 pm. It's free, and definitely not something you want to miss.

Also coming up: This weekend is our 3-on-3 basketball tournament, a real opportunity to show off your stuff. Entry forms are ready and waiting up at the SUB office, so get your team together and come on up. Registration deadline is Friday at 4:30 pm.

And that's still not all! Next Wednesday, apart from being Films & Video Director Ron Rhoades' 21st birthday, marks the annual appearance of the National Shakespeare Company. This year they've come to put on "The Tempest," one of the playwright's best works.

Tickets are already available in the SUB office, and they're going fast. Tickets are free for students (one per student I.D. please), and tickets will go on sale to the public on Friday for \$3 each. Make sure you get your ticket while there's still some left!

Over the past few weeks, we've given you a peek at what some of the committees at the Student Union Board do. What you might not have heard about yet is who makes it all happen. No matter what the event may be, there is a good chance that the SUB Tech Crew is making it a reality.

The backbone of SUB, the Technical Services Committee is headed up by Steve "Boot Scoot" Booton. The Tech Crew takes care of all lights and sound for shows as well as running the movies on the weekends. New mem-

bers of Tech first get trained on both movies and lights and sound. Afterward, they get paid to do it some more. Yea, PAY! As in MONEY!!! SUB Technicians get paid \$4.25 an hour, so one night of showing movies gives you about \$20 of spending money for doing little more than sitting in the audience and watching.

With at least one more event and eight weekends of movies left this semester alone, there is still plenty of work to do (and get paid for). So if you're interested in loud music, bright lights, and movies, or making a few extra bucks, this might just be the place for you. Give SUB a shout, and let us know you're ready to be a Techie.

Something else you may not know is that SUB's technical equipment can be rented out to any organization wishing to use it on campus. Whitt sound equipment costing only \$15 and a standard light set-up running \$20, just about anyone can afford it.

## Mountain bikers map Mark Twain Forest

Cycling Club  
SOURCE

mined to be made by water run-off from the river and erosion. We were only able to map a few miles of trails that day — no one knows yet just how many miles of trails there are total on the new land.

Due to the bikers' unparalleled riding experience, we are happy to say we weren't lost for a moment. Any-

one is welcome to hike, bike or horseback-ride on the new land, but until we're finished mapping it, you're on your own finding your way back to where you started!

Another surveying/mapping trip was scheduled for Sunday the 26th (and we were going to bring back some

groovy pictures to print with this article, too) but it was canceled due to heavy rain which started a few days before. However, this is an ongoing project, and the Club, along with the RBA, plan to take at least one more trip before winter, and several trips next spring.

If you are a mountain biker and are interested in going on the next trip, or if you are a cyclist of any sort (mountain, racing, touring — any kind of bicycle riding — or in-line skating) and are interested in finding out more about a UMR Cycling Club, our next meeting is scheduled for Wednesday, October 6th at 7 pm in room G-1 of the Rolla Building. If you can't make the meeting, but would like to know more about the Club and what we're doing, call Matthew at 368-4757.



Doug Sobery

Cyclists gear up to help forestry service

## 1993 I.M.P.A.C.T. activities begin Wednesday

Wednesday, Oct. 6

"Hot, Sexy, and Safer" with Suzi Landolphi  
8:00 p.m. Castleman Hall Leach Theater.

Student Union Board/Substance Abuse Prevention Program

-Self-Defense workshop with Dr. Harvest Collier  
7:30 p.m. TJ South Lounge  
Panhellenic

Thursday, Oct. 7

"Higher Education" with Recovery Productions  
A One Act Comedy About Sex, Drugs, and Campus Life  
7:00 p.m. Centennial Hall  
UMR Substance Abuse Prevention Program

Saturday, Oct. 9

"Run for Your Life" 5K  
9:00 a.m., BerJuan Park  
Army ROTC

Friday, Oct. 15 - Sunday, Oct. 17

- Volleyball Marathon  
5:00 p.m. - ? Location TBA  
Student Council

Tuesday, Oct. 19

- Comedy Nightclub with Paul Gilmartin  
8:00 p.m., UCE Cafeteria  
Student Union Board with IFC and St. Pat's Committee serving "mocktails"

Wednesday, Oct. 27

- FREE Campus BBQ  
11:30 a.m. to when the food runs out  
Location: Hockey Puck (tentatively)

UMR T.E.C.H.S. Peer Educators  
- Alcohol Jeopardy  
6:30 p.m., Centennial Hall  
Contact: Panhellenic/IFC - Rebecca Light (Kappa Delta) or Darren Walters (Kappa Sigma)

On Saturday, September 18th (yes, three weeks ago), the UMR Cycling Club teamed up with the Rolla Bicycling Association to help the U.S. Forestry Service survey and map a new section of Mark Twain Forest.

Five mountain bikers (Brian Hildebrand of the RBA and Todd Choura, Rob Butler, Scott Rutenkroger and Matthew Chalmers from the Club) packed their gear, bikes and food and headed out to the forest around 8 o'clock that morning. The new section of forest is located a few miles southeast of Ft. Leonard Wood, about 15 miles from here, near the Big Piney River.

The Club was there to take slope readings and judge terrain while making the first trail maps of the area. The trails were mostly made by horses from the stables on the land; some were narrow and rough, while others were wide and obviously heavily traveled — some of the trails were deter-



# UMR opinions on campus

When asked "In light of the recent rape near campus, do you think that the University should do more to protect the students?" these students responded:



**"The only problem is the lighting, but the CSO's and UMR Police are really doing everything within their budget."**  
Melissa Braud, senior



**"They need paid escort services, like other campuses."**  
Tom Shafer, senior



**"The campus needs better lighting."**  
Kendra Bowen, sophomore



**"Maybe they could push the city to do something about the lights on the streets."**  
Susie Race, super senior

Photos by Brett Saunier  
Interviews by Amy Ruhland

## Many college students fail consumer knowledge test



CFA  
SOURCE

Washington, D.C., September 2, 1993 — A survey of the consumer knowledge of college students found that most are unprepared to make wise purchasing decisions about financial services. The college students scored correct answers for only 51 percent of the survey questions when they could have scored 25% by guessing.

The test was jointly sponsored by the Consumer Federation of America (CFA) and American Express Travel Related Services Company, Inc. The research was conducted by Princeton Survey Research Associates of Princeton, New Jersey.

The 38-question multiple choice test surveyed 2010 students on 75 campuses, representing a sample of full-time juniors and seniors attending

four-year colleges and universities. Students answered questions on credit (53% correct), checking/savings (53% correct), life insurance (43% correct), and auto insurance (58% correct).

"Most college students are not fully prepared to make smart decisions about financial services," said Stephen Brobeck, CFA Executive Director and author of the report summarizing the research. "After college, they risk losing billions of dollars in the purchase of unneeded or overpriced consumer loans, auto insurance, and life insurance."

Meredith Iyer, Senior Vice President, Public Responsibility at American Express Company, added, "College is a time when students are developing life skills — beyond what is included in their classroom curriculum. One of the most important tools for a consumer is knowledge about financial matters."

Scores of the college students were much higher than those of high school seniors who took a similar test in 1991,

and the scores were about the same as those of adults who were asked many of the questions in 1990. In general the test scores of different groups of students taking the test — men vs. women, junior vs. seniors, public school vs. private school, humanities vs. science/math vs. business majors — did not differ significantly. Although the scores of whites were higher than those of minorities, race-related differences were not nearly as great among college students as they were among the high school seniors and adults tested earlier.

### Low scores included:

- Only 22% know that the best indicator of the cost of a loan is the annual percentage rate (APR).
- Only 33% of respondents know that banks and other institutions issuing credit cards — not Visa, MasterCard, or the government — set interest rates on credit cards.
- Only 30% know that when a credit card balance is carried from month-to-

month, the consumer loses the grace period.

- Only 19% know that auto insurance rates can vary by as much as 100%, while half think that rates range less than 30 percent.

Only about one-third understand the major differences between term, whole, universal, and credit life insurance policies. Only 26% know that the interest adjusted cost is the best indicator of the cost of a whole life insurance policy.

Only 30% know that the government agency most likely to resolve an insurance problem is a state insurance department. 30% actually believe that the Federal Deposit Insurance Corporation, which regulates banks, resolves insurance problems.

### High Scores included:

- 92% of the respondents know that the most important factors that lenders use when deciding whether to approve a loan are bill-paying records and income.

- 90% understand what type of household most needs life insurance.

- 70% know that to avoid regular fees on a checking account, a consumer must keep a minimum balance in the account at all times.

- 68% know that a collection agency is not allowed to discuss a consumer's debt with his or her employer.

- 66% know that a credit bureau provides creditors with reports of consumers' bill paying records.

The Consumer Federation of America is a federation of 240 nonprofit groups with some 50 million members that seeks to advance the consumer interest through advocacy and education.

American Express Travel Related Services Company, Inc. is a wholly-owned subsidiary of the American Express Company — a family of travel, financial, and communications businesses.

To receive a copy of the test reports and question, send \$10 to: Consumer Federation of America, 1424 16th Street, NW, Washington, D.C. 20036.



# Sports

## Miners run through Southwest Baptist 44-8

Joe Hornburg  
Asst. Sports Editor

The Miners entered Saturday afternoon's Homecoming contest, looking to rebound from last week's 17-0 loss to Emporia State. Their opponent was the winless Southwest Baptist University Bearcats, who entered the game 0-4. The result was a thorough 44-8 thrashing as the Miners buried the Bearcats early.

UMR took the lead midway through the first quarter, when Quarterback Mike Wise keeping on the option, ran 27 yards for the touchdown. Running back Chris Williams and Wise set up the score, each taking turns running for big gains against the SBU defense. Eivind Listerud's extra point made it 7-0.

The Bearcat's offense was struggling with new Quarterback Aaron Hafner against the tough Miner defense. The Miner D allowed only one first down to SBU on their first five possessions.

Early in the second quarter, Ernest Brown broke through the left side of the SBU defense and rumbled 65 yards to the Bearcat eight before getting caught from behind by a Bearcat defensive back. Two plays later, Wise kept on the option again with the same result, this time from eight yards out. Listerud's kick made it 14-0.

After another "four plays and out" drive by SBU, the Miners again drove the ball right down the field behind outstanding blocking from the offensive line. This time it was Brown's turn to score as he took it up the middle for a two-yard touchdown run.

The Miner offense regained control of the ball with 2:24 left in the first half. Brown broke two runs of 18 and 19 yards and then a 26 yard completion from Wise to Seth Burns, set the ball on the six with about a minute left in the half. After a two yard run by Jason Illum and a timeout, Wise found Tight End Kevin Hug in the back of the endzone for a four yard touchdown pass to pretty much ice the game.

At halftime, the Miners had outgained the Bearcats in yardage



Doug Sobrey

### Miner Quarterback Mike Wise scrambles for yardage

344-84. Brown rushed for 112 yards on only seven carries and Wise had 92 yards on 9 carries. Meanwhile, the Miner defense held the Bearcat's offense in check, limiting them to three first downs.

The second half began, and it was pretty much a repeat of the first half.

Brown and Wise drove the ball on the ground down the field capped by Wise's 37 yard run. On a third and goal from the six, Wise found Steve Howard in the endzone for the score. UMR led 34-0.

The rest of the game was dominated by the Miners. Eivind Listerud

added a 30 yard field goal and Chris Williams had a one yard touchdown run to put it at 44-0. SBU scored with 1:10 left in the game and converted the two point conversion, as the game ended mercifully 44-8.

Miner QB Mike Wise led the offensive attack with 141 rushing yards, and 102 passing. Ernest Brown added 138 yards and Chris Williams had 93 yards. The offensive line should be credited with opening the holes to allow the offense to rush the ball for 450 yards.

On defense, the Miners held the SBU offense to less than 200 yards. Cary Lange and Chris Ward had seven tackles each, as the entire defense played outstanding.

The Miners win improved their record to 3-1 overall, 2-1 in the MIAA. SBU fell to 0-5, 0-3. Next week the Miners travel to Pittsburg, Kansas to take on powerhouse Pitt State. The Gorillas look a little vulnerable this year having lost two games already, so maybe the Miners can stun them this Saturday night like they did two years ago. Good luck Miners!

## Wiley's college football top 20

Bill Broyles  
Staff Writer

1. Alabama- The Tide continues to role. They shouldn't be tested until they face Tennessee in two weeks.
2. Florida State- The Seminoles have been incredible. Georgia Tech will be no competition. However, they still have tough games with Miami, Notre Dame, and Florida.
3. Florida- The Gators were impressive in their win over Tennessee. Will topple Mississippi State before worrying about Georgia.
4. Ohio State- The Buckeyes look like the real thing. Northwestern won't be able to compete with them.
5. Notre Dame- The "Tarnished Dome" controversy has only gotten Lou Holtz's Irish up. Look for the fighting Irish to get revenge this week against Stanford.
5. Miami- The Hurricanes brawled with Colorado before halftime, then barely held on a victory. They have the week off before their big game with Florida State.

7. Nebraska- The Cornhuskers take the week off before they start their Big-8 schedule.
8. Tennessee- The Vols' Heath Schuller is emerging as the front runner for the Heisman Trophy.
9. Penn State- The Ninty Lions face off with Maryland before resuming their Big-10 schedule.
10. Michigan- The Wolverines face rival Iowa. Trouble is Iowa couldn't beat Michigan's second team this year.
11. Oklahoma- The Sooners should destroy Iowa State. Cale Grundy is finally living up to the hype he has received the past three years.
12. Syracuse- The Orangemen were humbled by a tie with Texas and a come-from-behind win over Cincinnati.
13. North Carolina- The Tar Heels play evenly with Florida State for two quarters (better than anybody else) then bounced back by squashing rival North Carolina State.
14. Washington- The Huskies continue their mission to go undefeated in the pac-10.

15. Arizona- The Wildcats play great defense. They should score enough to beat USC.

16. Texas A&M- The Aggies renewed demands by Missourians for the firing of Bob Stull. They should coast through the SWC.

17. Colorado- The Buffalo's might have beaten miami if Michael Westbrook hadn't been thrown out of the game. They have a week off to recover before they start their journey to the Orange Bowl.

18. Auburn- You won't see the Tigers on TV due to probation, but they may be the best bet to keep Alabama from the Sugar Bowl.

19. Louisville- The Cardinals take on rebuilding Pitt. Howard Schrellenberger continues to build Louisville's program.

20. Virginia- The Cavaliers have been playing tough. They should be one of four teams from the ACC to go to bowl games.

Teams to watch: Wisconsin, BYU, West Virginia, California.

## Miner fan in the stands !



D. Sobrey

This weeks Miner fan in the stands was attending the Miner football game this past Saturday. If this is you please come to 103 Norwood Hall, this Thursday at 5:00 p.m. to claim your prize.



# No new sports channel for Rolla

Aaron Boyle  
Staff Writer

Call the local cable company and ask if you will be able to view the premier week of ESPN2 and this is what you'll hear: "We have no plans to add to or delete from our current cable service in the near future." So will they ever carry it? "It depends on what the FCC does." In other words, it ain't their fault and stop callin'.

Before you write your congressman and beg for this new channel, make sure you know what it entails. ESPN has obviously appealed to the hard core sports fan ever since its inception in 1979. Traditionally, it has presented sports news and events with class and entertainment in mind. If you have watched lately, they've been trying a few different things. For example, sports-set-to-music videos,

'Downtown' Julie Brown as an interviewer, and an increasingly high number of fitness programs. Testing for ESPN2? Unfortunately yes.

Here's some of the ESPN2's scheduled programming: Keith Olbermann will host a three hour Sportsnight in prime time; a call in sports (a-la Larry King), also in prime time; a morning show featuring stats set to music; 4 1/2 hours of fitness programming per day; 'Downtown' Julie Brown as the main celebrity contact; and 2 1/2 hours devoted to off-the-wall sports.

It's obvious they are going for a different audience. Who would you rather listen to when they present their array of stats, Chris Berman or the Butthole Surfers? Imagine Julie Brown covering the NFL draft: excitement, excitement. Olbermann's show will not be another SportsCenter. It's

said to be geared towards speed and recklessness. Says Olbermann in a recent interview on ESPN, "Anybody who wears a jacket and tie (on the show) will look like a narc."

But what of the good things? The only let down about not having ESPN2 will come when college basketball roles around. ESPN has rights to many more games than they currently show, and ESPN2 will be an outlet to show more of these games. Same goes for hockey and baseball next season.

Overall, the people that watch SportCenter like it's a religion will miss little by not receiving ESPN2. We've already got baseball 5 nights a week, Vitale doing college games, The Swami and SportCenter almost anytime you turn to channel 35. If ESPN is a sports fan's dream, ESPN2 may be just a short nightmare.

# Intramural Update

## Intramurals Source

Here are the results from the golf tournament which took place on September 11-12 on the UMR golf course.

For a par 288 combined score in the tournament:

1. Pi Kappa Alpha 286
2. Sigma Phi Epsilon 299
3. Kappa Alpha 299
4. Tem Up (INDEP) 301
5. Phi Kappa Theta 302
6. Lambda Chi Alpha 303
7. Sigma Nu 318
8. Tau Kappa Epsilon 321
9. Acacia 327
10. TJ-N A 328
11. Squad 332
12. Kappa Sigma 333
13. BSU 341

14. TJ-S 343
15. Thai 346
16. Theta Xi 355
17. Delta Tau Delta 404
18. AFROTC 407

Athletes of the Week for the Month of September

Torino Johnson- ABS  
Keith Kordy- Lambda Chi Alpha  
Curt Shick- The Squad

Teams of the Week for the Month of September

Phi Kaps Softball  
Thai Softball  
Pikes Golf

- \* Next IMA meeting October 6 5:30
- \* Volleyball & Table Tennis entries due on October 6
- \* Next Article- Intramural standings after Golf, Softball, & Racquetball, and Athlete/ Team of the Week

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For further information contact

**Ben Strehlman (Scientific Programmer Analyst at UMR)**  
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# Captain Goatee's weekly review



Captain Goatee  
Staff Writer

This week: R.E.M., Buffalo Tom, The Connells, Flat Duo Jets, Matthew Sweet

OK, before I get into the article I planned, I must tell you about the concert I saw Saturday, September 25th. The Dorkestra played the Blue Heron Rookery, and I was just blown away. The first set was rather routine for the Dorks. That is, I was treated to some great folk/rock music. Everything seemed just right, and I was having a great time. By the end of the first set, the Dorkestra had already made me happy.

I wasn't prepared for the second set though. It was absolutely fabulous. Everything was clicking for the Dorks, and the sound was full and fabulous. Then Blue Heron owner Rich Myers got up on stage to blow a little harp. It's always a treat when he plays, but for some reason, that night was different. Rich and the Dorks were full on, and they blew the house away with a few old blues tunes. They even had me dancing.

The combination of Rich's harp and Karl's fiddle was a pleasantly unique sound, and John's lead guitar

was amazing. Even after two Dork shows under my belt, it still seems odd to see John play electric blues on an acoustic guitar with a pickup. But he does so with an instinctive skill. The rest of the band was great too, and Robert's songs are honest and unwavering. The Dorkestra put on one of the best concerts I've seen this year. Now, on to your regularly scheduled reviews...

"Well, they sound kinda like R.E.M."

How many times have you used that line? This week the good old Captain reviews some albums by bands who, at one time or another in their career, must have been compared to R.E.M. Why? Well, in one form or another, each of these groups features a heaping spoonful of guitar based sound with a pinch country ballad thrown in for good measure. It's a sound that claims Velvet Underground, Big Star, the Byrds, and Leonard Cohen as grandfathers in a sense but, for some reason, seems to defy them and land in a category of "sounds kinda like R.E.M." (For example, the latest group of this type to hit it big was Gin Blossoms with "Hey Jealousy.")

Just to give you a bit of "modern" R.E.M. perspective, I'll start you out by reviewing the two singles for "Everybody Hurts."

## Single Review

### Everybody hurts

R.E.M.  
Warner Bros. (1993)  
Orange - "There's nothing I can do" version  
8 goatees

Olive - "No tenemos mas tiempo" version  
6 goatees

Well, unless you live in a cave, you've probably heard "Everybody Hurts" by now. Unlike the previous singles "Drive" and "Man on the Moon," "Everybody Hurts" does what the best R.E.M. songs of late do best; it sets a great emotion with lyrics and music. So what's the deal with the singles? Well, there are 2 of them. I guess this is some sort of stupid Warner Bros. marketing ploy or some-



thing. Both include a measly 3 extra songs to try to get you to buy each version.

The "Orange" version includes "Mandolin Strum" (Non-album song), "Belong" (live on Mountain Stage), and "Orange Crush" (live in concert). "Mandolin Strum" is a nice instrumental. "Belong" gets the live, acoustic feeling it deserves, and "Orange Crush" sounds great.

The "Olive" version adds a demo of "Star Me Kitten," "Losing My Religion" (Live on Mountain Stage), and the non-album track "Organ Song." The demo of "Star Me Kitten" is really weird. Stipe's vocals are mumbled ramblings with overdubs by someone in falsetto. At the end, Stipe asks "So, do you like it?" Um, well...no. Loathe would be a better word. "Losing My Religion" is minimal and acoustic, the way it should be. Don't even ask about "Organ Song." It reminds me of a Bach organ piece played at half speed really loud: slow, boring, and annoying.

The live songs are all arranged just like the album versions, but they are performed well. The two Mountain stage tracks make me wish an uncut recording of the show was available. As for the two singles, I'd say beware. If you want the single for "Everybody Hurts," the "Orange" version is your best bet. The "Olive" version is a waste.

## Album Review

### Ring

The Connells  
TVT Records (1993)  
9 goatees

The Connells just don't get any respect. This is their 5th album, and they still don't sell a million records. That's a shame. Ring is one of The Connells' strongest albums to date. Part of this album's success must be given to Lou Giordano. After producing Bob Mould's Sugar albums and Dillon Fence's latest, he has hit another bullseye with The Connells.

Ring features a solid core of pop songs and quiet ballads surrounded by smooth vocals, "la la la" harmonies, strong guitar, Hammond organ, and a mandolin or two thrown in here and there. It's a formula which works wonders for many bands and helps garner them the "kinda like R.E.M." tag.

But the lyrics of the Connells' work and the pop nature of their sound set them apart from that label. "Disappointed" features the lines "If I disappointed you, I'm sorry. You're a disappointment too." "74-'75" and "Spiral" are quiet pieces which hold a

see Goatee, page 13

## The three toe personalities: toe picker, toe nail man, and me

The Toe Picker doesn't look that much like a toe picker; not like you know a handful of them or anything, you couldn't, there is only one Toe Picker. He (a girl could never stoop this low) is about average height with an always slightly uncombed head of brown hair. All of his features are normal, in that aspect, and walking down the street you couldn't tell him from any other person. A lot of people know the Toe Picker by his real name, most never suspect the hidden habit that lurks behind his front. He is really a cool swinger guy on the outside, but get to know him.

The reason he is the Toe Picker is simple—he picks them. But, contrary to what you are thinking, he doesn't sit in the comfort of his own slimy home and do it, he waits until he goes over to his friends' apartment. The Toe Picker won't start picking if anybody besides the apartment's occupants are there. But the second the company leaves, watch out.

It is really a fantastic, as well as disgusting, thing to observe. As soon as the door shuts behind the last of the evening's guests, he slowly reaches down and pulls off his Nike low tops. His colored socks are easy off, and then each is placed in its respective shoe for easy access later—if somebody knocked at the door, for instance. The entire foot gets massaged gently at first, but eventually the fingers find their way to the toes and he is gone. He picks for awhile, throws a rub in here and there, and then pretty soon he'll stop to smoke a cigarette.

The thing that sets the Toe Picker apart, is that he is totally and completely composed, and functional, during his ritual. While he sits, seeming to be occupied, he will carry on conversation with the apartment's occupants, not always an intelligent conversation, but a conversation none the less. Typical questions and comments along these lines pop out of him, "Have you seen Driving Mrs. Daisy?" or, "I saw a really cool Mustang up at Wal-Mart today." His fingers are at work even as the sentences leave his mouth.

Now, the Toe Picker can't be confused with the Toe Nail Man, they each have their own unique method. While the former prefers to do his thing over at his friends' house, the later enjoys his art while at work—a liquor store. Also, the Toe Nail Man refrains from physical interaction with his toes, he prefers the matter to be verbal. Toe Nail Man gets his name from his habit of discussing in-grown toe nails with customers. Not really a discussion, more of a

commentary of sorts, because it is hard to find somebody buying liquor that is willing to engage in an in-grown toe nail tete-a-tete.

The Toe Nail Man looks more like a toe person. He comes across as a short, unpleasantly plump man of about fifty-three or four. Most of his hair seems to have been misplaced somewhere back around the age forty. His eyes are almost the color of an albino's and will stare right through you. One of them is lazy, always keeping you on the edge with the question of which eye to look at. The liquor store is his den. When somebody comes in, he jumps off his

stool (from which he has been watching TV) and stands at the counter register, attentive and ready to please the customer. His attentiveness is not unlike the attentiveness of a young sixteen year old McDonald's worker, however, the Toe Nail Man moves slowly and with an absurd purpose; always looking, always smiling. The secret he hides is of a home in-grown toe nail remedy. If you cut, he says, a V in a toe nail that is in-grown it will go away. The logic there is unbelievable, and Toe Nail Man will tell you as if he has written a dissertation on the subject. His comments on in-grown toe nails often come unprovoked and without reason. Each customer is a different mark, vulnerable to attack.

Alas, I come to the third and final toe personality, me. Mixing both methods, physical and verbal, I prefer to engage in my activity while dining at a fine eating establishment; such as Red Lobster. After I have placed my order, I inconspicuously remove my shoes. I wear no socks, and prepare. Sometimes this is difficult to do without being noticed by the other patrons, especially if I don't get a booth. After my food comes I light a cigarette, clear my

voice, and recite these lines at a raised volume: "This little piggy went to market, this little piggy stayed home, this little piggy had roast beef, this little piggy had none, and this little piggy cried wee, wee, wee, all the way home." Quickly replacing my foot to the floor, I take a smooth draw off my Winston and then proceed to break apart the crab legs so I can dip the meat in hot butter.

By James Barnes





## ORISE helps answer your questions about graduate school



News Service  
SOURCE

Still undecided about where you want to go to graduate school? You're not alone. Hundreds of potential graduate students will be looking for guidance and answers to their questions when they attend the U.S. Department of Energy (DOE) Oak Ridge Graduate School Fair to be held Nov. 13, 1993 in Oak Ridge, Tenn. The fair is cohosted by the Oak Ridge Institute for Science and Education (ORISE) and Oak Ridge National Laboratory, and will give college and university students the opportunity to consult with faculty representing 150 graduate departments from across the nation on their programs in chemistry, physics, biology, computer science, mathematics, and engineering.

Registration will begin at 8:00 a. m. in the Pollard Auditorium at ORISE. From 9:00 until 10:00 a.m., students will have the opportunity to ask questions concerning graduate

school in general and careers in science and engineering during four 15-minute presentations also held in Pollard Auditorium. Beginning at 10:00 a. m. until 4:00 p. m., students will then visit booths manned by representatives of graduate programs. Booths will be grouped by discipline and will be staffed by faculty prepared to answer questions on curricula, laboratory equipment, university facilities, costs, graduate assistantships, outstanding graduate students, and prominent researchers.

Sponsored by the U. S. Department of Energy, the fair is the second of its kind to be held in the Southeast.

"We are building on the experience gained from a similar fair hosted last year by North Carolina State University in the Research Triangle Park, N. C.," said Harold Rider, ORISE program manager. Over 250 students attended the fair in North Carolina and met with faculty from the finest science and engineering graduate programs in the United States. The Oak Ridge Graduate School Fair has expanded its focus from students in the Southeast to those from all over the

country. "This is a great opportunity for students to talk one-on-one with faculty about graduate programs and university research in specific disciplines," added Rider.

There is no registration fee for the fair. For more information concerning the DOE Oak Ridge Graduate School fair, contact Harold Rider, Science/Engineering Education Division, Oak Ridge Institute for Science and Education, P. O. Box 117, Oak Ridge, Tenn. 37831-0117 or call (615) 576-8158.

The Oak Ridge Institute for Science and Education (ORISE) was established by the U. S. Department of Energy to undertake national and international programs in science and engineering education, training and management systems, energy and environment systems, and medical sciences. ORISE and its programs are operated by Oak Ridge Associated Universities (ORAU) through a management and operating contract with the U. S. Department of Energy. Established in 1946, ORAU is a consortium of 65 colleges and universities.

## UMR student conducts summer research for Department of Energy



News Service  
SOURCE

University of Missouri-Rolla senior Stephen A. Ingracia was one of 42 students to take part in the U.S. Department of Energy's Student Research Participation program this summer. The program, sponsored by DOE's Office of Energy Research, is operated by the Oak Ridge Institute for Science and Education's Science/Engineering Education Division.

Ingracia, an electrical engineering major from West Plains, Mo., developed and implemented a path planning algorithm on an omnidirectional mobile robot during his research appointment at Oak Ridge National Laboratory.

"The SRP program assists in developing a base of professionally trained manpower," said Dr. Richard Wieschuegel, program director, "and this becomes crucial when projections indicate fewer students are choosing academic programs in science and engineering."

The 10-week summer program provides hands-on training and research experiences for academically talented, upper-division undergraduates currently enrolled in programs leading to the baccalaureate degree.

On a day-to-day basis students collaborate with federal researchers

using state-of-the-art equipment not usually found in most campus laboratories. Along with being introduced to unique intellectual and physical resources at DOE facilities, the SRP research complements academic programs.

The Student Research Participation program is open to graduate and upper division undergraduate students majoring in engineering, physical and life sciences, mathematics, computer science, or the social sciences. Applications outnumber appointments by about four to one, making competition strong among candidates who possess the potential for successful scientific careers.

For more information about this program or other DOE-sponsored programs offered through the Oak Ridge Institute for Science and Education, contact: Science/Engineering Education Division, P. O. Box 117, Oak Ridge, TN 37831-0117, phone (615) 576-1083.

The Oak Ridge Institute for Science and Education (ORISE) carries out national and international programs in science and engineering education, training and management systems, energy and environment systems, and medical sciences. ORISE conducts these programs for the U.S. Department of Energy through a management and operating contract with Oak Ridge Associated Universities (ORAU), a consortium of 62 colleges and universities.



## UM-Rolla Coatings Institute gives award



News Service  
SOURCE

Dr. Theodore Provder, principal scientist at ICI Paints North America, the Glidden Co. Research Center in Strongsville, Ohio, has received the 1993 Distinguished Scientist Award from the University of Missouri-Rolla Coatings Institute.

Provder, a former researcher at the Monsanto Co. in St. Louis, is chairman of the Industrial Advisory Board to the UMR polymer and coatings program. He received the award for his work in education, research and service to the industry, and for his accomplishments in coatings and polymer science.

At Glidden, Provder is responsible for the polymer physics, computer science and information technology departments of the research center. His research activities include size-exclusion chromatography, particle size distribution analysis, and cure chemistry and physics.

Provder, treasurer of the Polymer Education Committee for the American Chemical Society's Division of Polymer Chemistry and Polymeric Materials, is a member of the editorial boards of the Journal of Coatings Technology and the Progress in Organic Coatings publication. He received a bachelor's degree in chemistry from the University of Miami at Coral Gables and a doctorate in physical chemistry from the University of Wisconsin at Madison.





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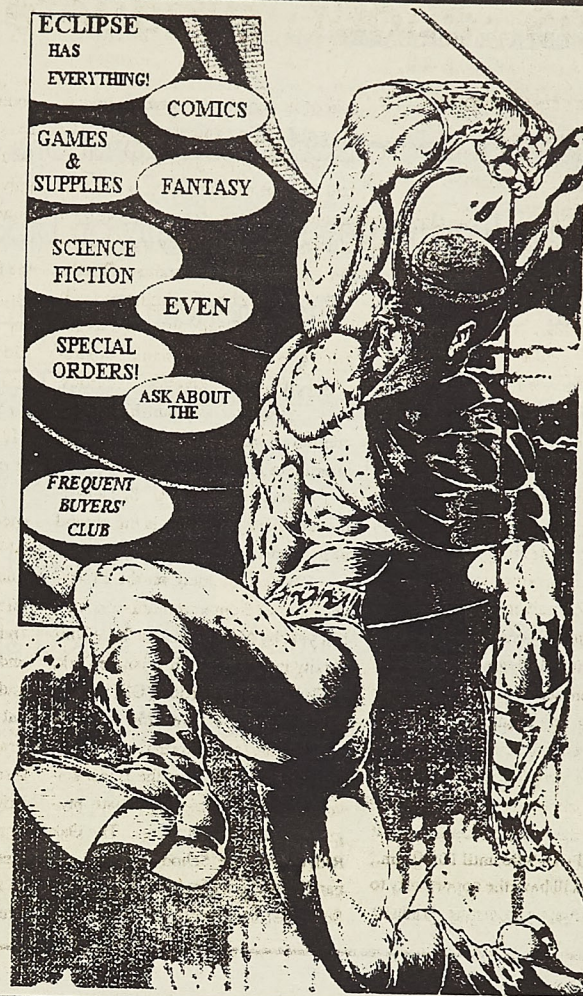
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208 NORWOOD HALL  
Facilitator: Dr. Camille Consolvo

#### TIME MANAGEMENT

Wednesday, October 13; 7:00 p.m.  
G-8 TJ-Hall-AEC  
Facilitator: Ms. Angela DiNunzio

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Counseling & Career Development  
204 Norwood Hall, 341-4211

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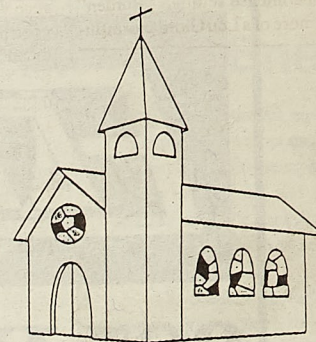
Leadership Excellence Starts Here



## AMERICAN RED CROSS BLOOD DRIVE

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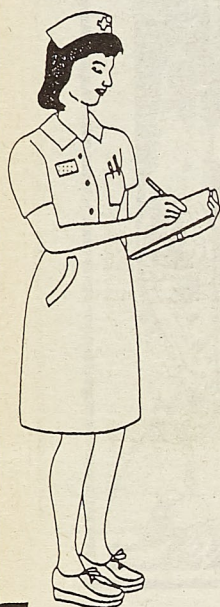
Because of decreased blood donations and increased demand the American Red Cross relies highly on bloodmobiles to meet the needs of your community. The American Red Cross and Rolla 1st Christian



Church want to invite you to GIVE THE GIFT OF LIFE by donating blood Tuesday, October 5, 11:00 am - 5:00 pm at the church.

All types are needed and all eligible donors are asked to give. Do your part to stabilize the blood supply in your community. Your donation could mean the difference between life and death for a patient in need.

FOR MORE INFORMATION CONTACT:  
Gene Waite (417)866-7300



Greater Ozarks Regional Blood Service  
1211 S. Glenstone  
Springfield, MO 65804-0399  
(417) 866-7300  
Fax (417) 863-7081

## October kicks off I.M.P.A.C.T. Month



News Services  
SOURCE

October is IMPACT Month — a time to promote alcohol awareness — at the University of Missouri-Rolla.

"The primary goal of IMPACT month is to work toward reducing alcohol use through education, promoting low-risk decision-making and healthy lifestyles, and to increase alcohol-abuse prevention and intervention services available on campus and in the community," says Dr. Camille Consolvo, coordinator of student development at UMR. She is working with a student committee to coordinate this year's IMPACT Month activities.

The IMPACT acronym stands for "Intelligent Miners Promoting Alcohol Concern Together."

On-campus activities during IMPACT Month include:

—"Hot, Sexy and Safer," a safe-sex program with Suzi Landolphi, at 7 p. m. Wednesday, Oct. 6, in Leach Theater of Castleman Hall. The pro-

gram is sponsored by the UMR Student Union Board and the Substance Abuse Prevention Program.

—A self-defence workshop with Dr. Harvest Collier, associate professor of chemistry at UMR and a taekwondo expert, at 7:30 p. m. Wednesday, Oct. 6, in the lounge of Thomas Jefferson Hall-South. The workshop is sponsored by the UMR Panhellenic Council.

—"Higher Education," a one-act comedy about sex, drugs and campus life performed by Recovery Productions, at 7 p. m. Thursday Oct. 7, in Centennial Hall of University Center-East. The program is sponsored by the UMR Substance Abuse Prevention Program.

—UMR's Army ROTC sponsors a 5-kilometer "Run for Your Life" at 9 a. m. Saturday, Oct. 9, at Berjuan Park in Rolla.

—A volleyball marathon sponsored by the UMR Student Council begins at 5 p. m. Friday, Oct. 15, and continues through Sunday, October 17.

—A "comedy nightclub" with comedian Paul Gilmartin at 8 p. m.

Tuesday, October 19, in the University Center-East Cafeteria. The UMR Student Union Board, Interfraternity Council and St. Pat's Celebration Committee will serve non-alcoholic "mocktails" during the show.

—A campus barbecue beginning at 11:30 a. m. Wednesday, October 27, at the mall north of the University Center-East. The barbecue is sponsored by the UMR TECHS (Teaching, Encouraging, Caring and Helping Students), a group of student peer educators.

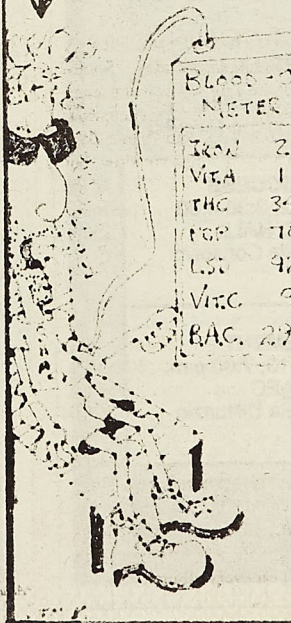
—"Alcohol Jeopardy," based on the TV game show "Jeopardy," begins at 6:30 p. m. Wednesday, October 27, in Centennial Hall of University Center-East. The event is sponsored by the UMR Panhellenic Council and the Interfraternity Council.

Also during IMPACT Month, the Quadrangle Hall Association will post alcohol statistics on gravestones around campus, and the Thomas Jefferson Hall Association will sponsor a "Booze Bowl" trivia game.

For more information about IMPACT Month, contact Consolvo at (314) 341-4292.

## UMR BLOOD DRIVE

WINNER: ALL BLOOD  
TESTED



## Red Cross hosts blood drive in Rolla



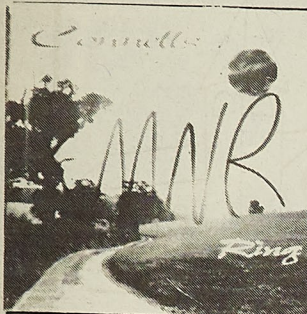
News Service  
SOURCE

Because of decreased blood donations and increased demand, the American Red Cross relies highly on bloodmobiles to meet the needs of your community. The American Red Cross and Rolla 1st Christian Church want to invite you to GIVE THE GIFT OF LIFE by donating blood Tuesday, October 5, 11:00 am - 5:00 pm at the church. All types are needed and all eligible donors are asked to give. Do your part to stabilize the blood supply in your community. Your donation could mean the difference between life and death for a patient in need. FOR MORE INFORMATION CONTACT:  
Gene Waite (417)866-7300



## Goatee

ton of emotions. They aren't just soft songs; the way they are written demands the intense setting. "Burden" follows more of a Lou Giordano-influ-



ters in my fingers" from "Tree House."

The band has its quiet moments such as "I'm Allowed," and there is a good balance between loud and soft on the album. Big red letter day closes with strong story of a break up, "Anything that way". It's a great last track, and it shows a band with good depth and a lot of possibility if they ever get a break. I highly recommend Buffalo Tom if you like rougher sounds of bands like R.E.M., The Connells, and Toad the Wet Sprocket.

## Album Review

### Altered Beast

Matthew Sweet  
Zoo Entertainment (1993)  
9 Goatees

enced sound. Full guitars, upfront cymbals, and clear lyrics set up a forceful pop song that reminds me so much of his work with Dillon Fence.

The Connells are a big band in the southeast. I've seen a concert shirt or two around Rolla, but I don't think they have many fans around here. Ring is a must for old fans, but it has a big untapped audience out there. I would say it's a must for anyone who likes the Gin Blossoms debut. The sound is very similar, but, with 5 albums under their belt, The Connells are on a much higher level. Definitely a worthwhile album.

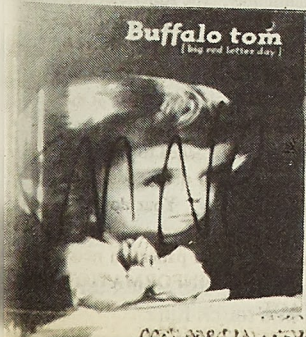
## Album Review

### bid red letter day

Buffalo Tom  
Beggars Banquet/Atlantic (1993)  
8 goatees

I hate to do it twice in a row, but here's another group which I like better than the Gin Blossoms. Big red letter day is Buffalo Tom's third album, and once again, it's a good one. But, like The Connells, I'd bet you haven't heard of them. I wouldn't if it hadn't been for KMNRR.

Buffalo Tom gets the R.E.M. tag plus the Toad the Wet Sprocket tag. "Would not be denied" is the best example. The title is definitely "Toad-ish," and the song feels like it too. Like Toad, the band has a great sense of starting a song slow and thrusting it into a brilliant, impassioned cry for help. The only difference with Buffalo Tom is that they are a three piece and aren't produced so slickly. Their sound is a bit louder and faster, and Bill Janovitz's voice is a bit rougher. It's just perfect for bitter lines like "You were made of wood/ and cried that no one understood/ but I had splin-



Still, Altered Beast's main focus is the distorted guitar sound. Whether a fast or a slow song, Sweet keeps the foundation of the fun pop of Girlfriend, turns up the compression and sound effects, and makes me wonder if he isn't the "Neil Young of the Nineties." (Even though Neil is still rocking himself.) I mean, he can do it loud, he can do it soft, and he changes his sound a bit on every album.

## Album Review

### White Trees

White Trees  
Sky Records, Inc. (1993)  
6 goatees

Where R.E.M. took the country guitar sound and went rock pop, Flat Duo Jets went rockabilly hardcore. It's something that's been done before, but I've never heard it as minimal and as rough as the Flat Duo Jets do it.

With Dexter Romweber on guitar, bass, and vocals and Crow on drums,

there isn't much room for anything but a song.

"Daughter of the Jungle" starts off with little jungle noises then breaks into an Elvis-billy song. "Love Can't be Right" is next with a Roy Orbison-billy feel, and so the whole album goes. "You Don't Love Me Anymore" features the lyrics "I don't know why you don't love me anymore/ you took my beer back to the store." Some

might say they're the voice of our generation.

I must admit, that the whole album is lots of fun. It's one of those albums that is basically bad, but for some reason, it really appeals to you. The lyrics are cheesy, the sound is really simple, but listening to White Trees makes me feel like I'm sitting around with some guys who like to jam. We're not talking big production values here, and that's why, although the Flat Duo Jets album only scores 6 goatees, I think it's great.

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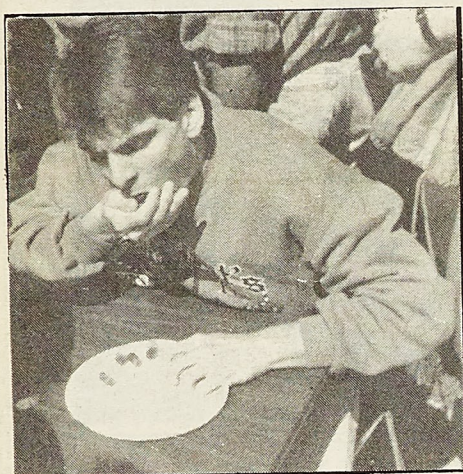


# Homecoming Events



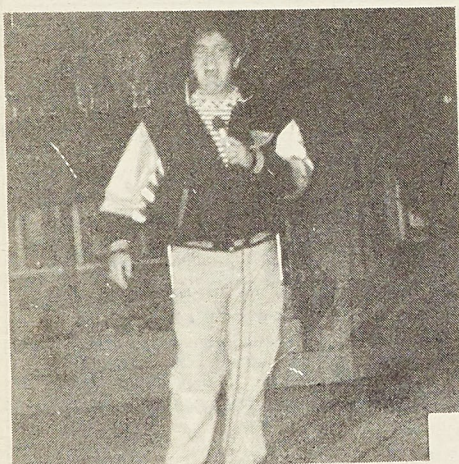
Jason Hansen

Hey, look! It's Tropical Joe Miner!



Jason Hansen

This guy sure is hungry!



Jason Hansen

Comedian Mike Pace entertains an appreciative crowd.

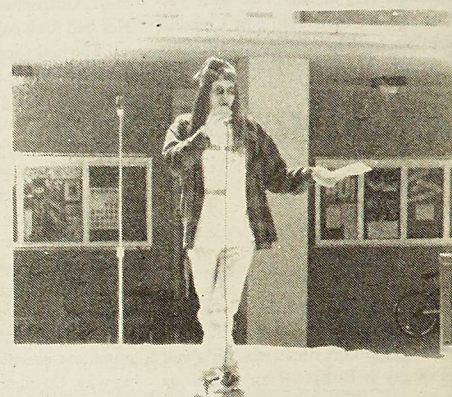
## Homecoming 1993 Overall Standings

Rank	Name	Points
1	Zeta Tau Alpha	650
2	Chi Omega	610
3	Pi Kappa Alpha	600
4	Pi Kappa Phi	520
5	Phi Kappa Theta	460
6	Theta Xi	450
7	Kappa Delta	405
8	Sigma Pi	355
9	Sigma Nu	310
10	Tau Kappa Epsilon	266
11	Alpha Epsilon Pi	240
12	Sigma Phi Epsilon	209
13	Kappa Kappa Psi/ Tau Beta Sigma	190
14	Acacia	180
15	Sigma Chi	175
16	Kappa Sigma	155
17	Lambda Chi	120
18	Beta Sigma Psi	100
19	Kappa Alpha	100
20	Association of Black Students	70
21	Seven others tied at 20 points	



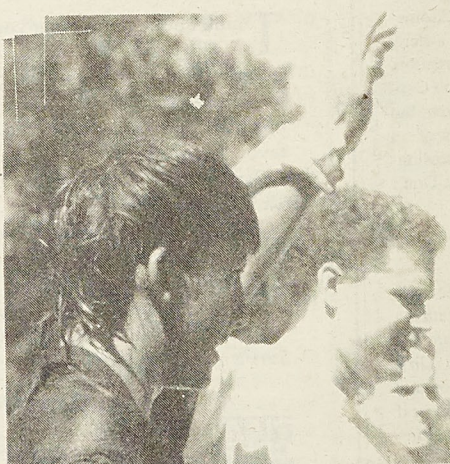
Jason Hansen

Jello wrestling: a low calorie workout.



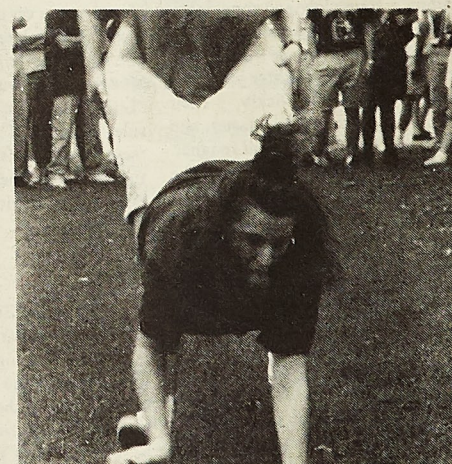
Jason Hansen

Bob Marley, eat your heart out!



Jason Hansen

Mark Potrafka declares the winner.

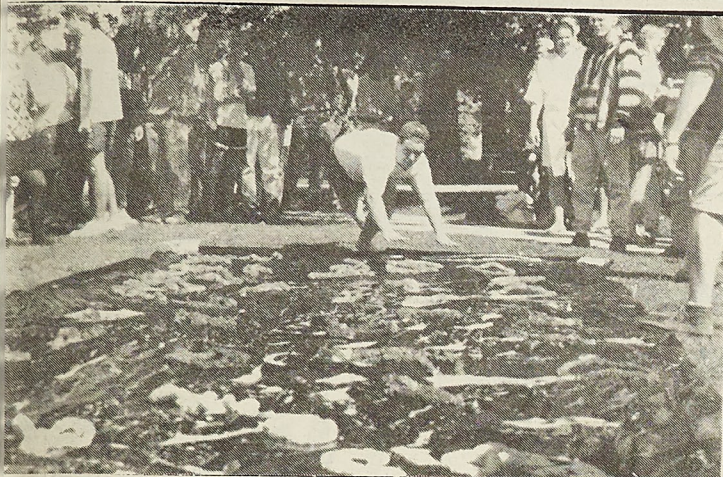


Jeremy Prinster

Who would have ever thought that kiwi's could be this much fun?



# Homecoming



Jason Hansen

his guy's going to make a BIG splash!



Doug Sobery

Waiting is the hardest part.



Jason Hansen

OW! I've always wanted to see the Rockettes!



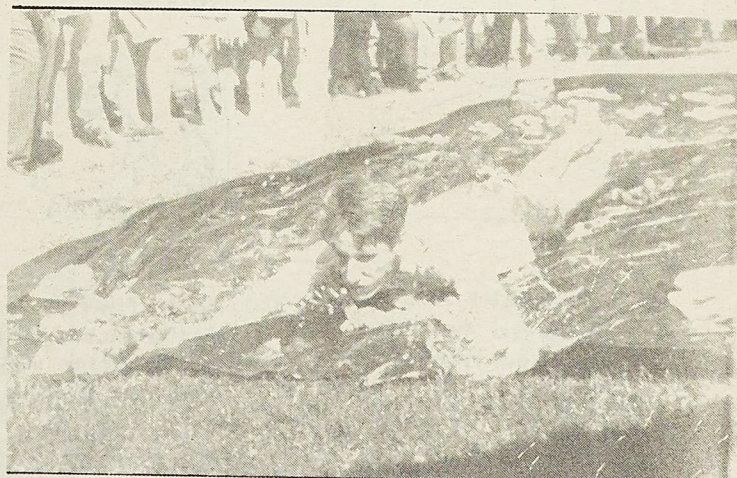
Jason Hansen

No comment. I think I would rather keep my job.



Jason Hansen

Crusher" O'Brien wipes out the competition.



Jason Hansen

This guy is way too intense.

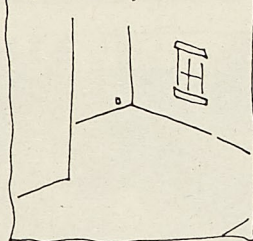




## Jim's Journal

by Jim

I finally found a new apartment



Ruth and Steve helped me move into it.



We spent all day carrying boxes and stuff and we got really hot and tired.



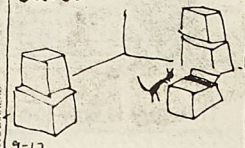
Afterwards, we all went to Hardee's and ate shakes.



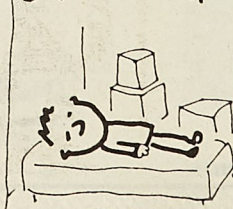
I brought Mr. Peterson to my new apartment today.



None of my stuff was unpacked, and Mr. Peterson was exploring all the boxes.



I was still tired from moving so I took a nap.



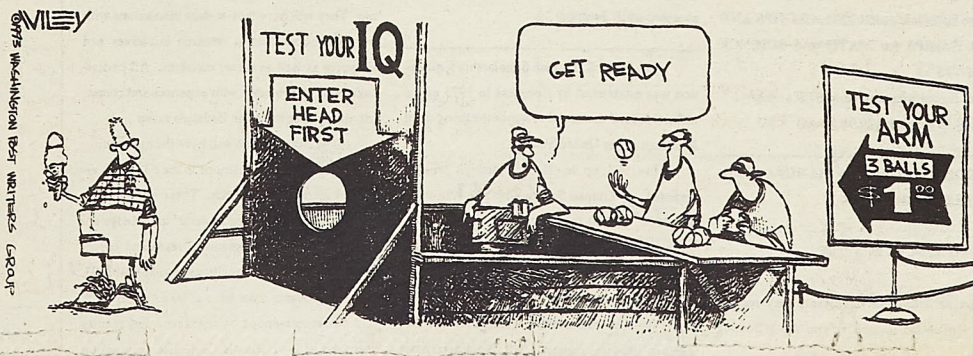
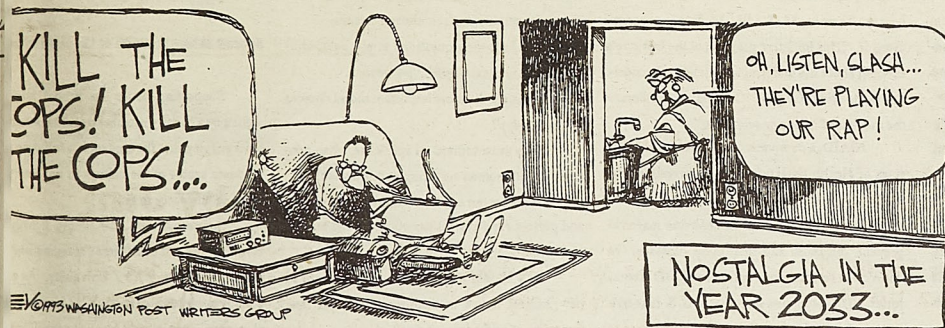
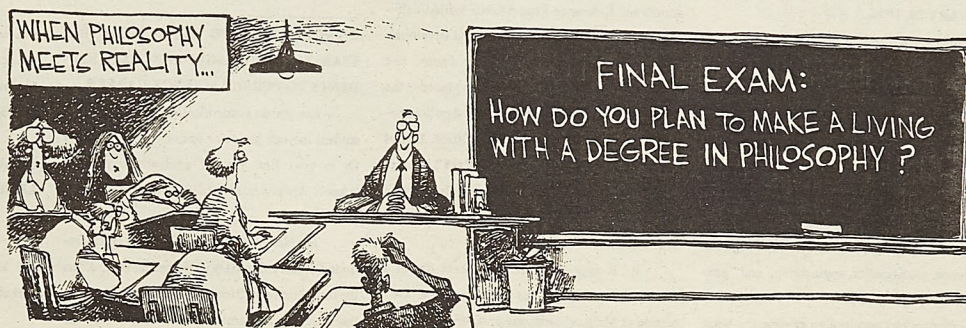
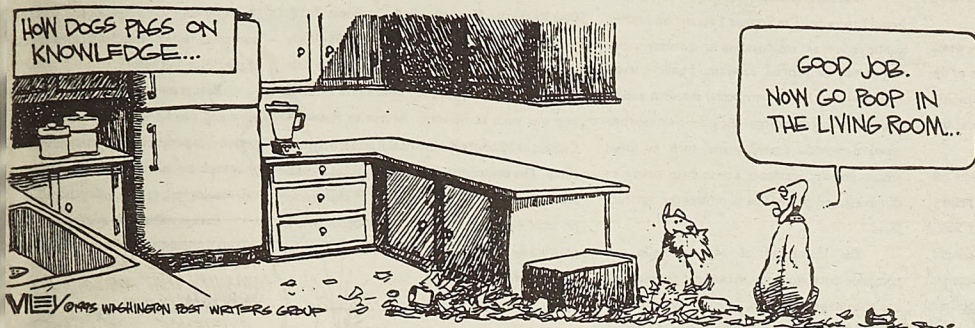
When I got up, I found Mr. Peterson sleeping on a towel inside one of the boxes.





# Non Sequitur

by Vey





## Aid

These awards are open to any undergraduate student in the United States or Canada. The student shall have achieved senior status in a four-year or longer undergraduate program in engineering, construction, or technology during the year for which the awards are presented. The awards will be made on the basis of demonstrated interest and ability to work in the field of concrete construction. The student must have a course load of 6 or more credit hours each semester during the period for which the award is made. The student must be a senior during the year for which the award is made (not necessarily at the time of application). Transcripts, recommendations, and an essay must be submitted as outlined on the application form.

**APPLICATION AVAILABLE IN THE STUDENT FINANCIAL AID OFFICE, G-1 PARKER HALL. COMPLETED APPLICATIONS MUST BE RECEIVED IN DETRIOT NO LATER THAN JANUARY 29, 1994.**

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Prepared by two leading experts, the book was originally developed as a scholarship guide for *Research Science Institute* students and alumni/ae. Over the years it has continually been revised and updated by Joann P. DiGennaro. Often noted as the *only* book to focus on opportunities for mathematics, science, and engineering students at the high school, undergraduate, and graduate levels, the authors have decided to make it accessible to a much greater audience.

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by Mark Kantrowitz and Joann P. DiGennaro  
Price \$19.95 (paper); \$29.95 (cloth)

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## HOW TO APPLY - IN BRIEF

Prospective fellowship applicants may request initial application materials from the following sources:

1. By writing to the Fellowship Office, National Research Council, 2101 Constitution Avenue, Washington D. C. 20418, or telephoning (202) 334-2872.

2. On campus from graduate deans, deans of science and engineering schools, heads of departments in disciplines related to the fellowship, fellowship offices, and financial aid offices that have requested materials.

A complete application consists of the following: Fellowship Application-Part 1, Fellowship Application-Part 2, Proposed Plan of Study and Research, Previous Research and Experience, Undergraduate GPA Form, academic transcripts, and Reference Report forms. After an applicant has completed and returned Fellowship Application-Part 1 to the Fellowship Office, NRC, an application packet containing the remaining forms will be sent to the applicant.

**IMPORTANT:** Each applicant should arrange with registrars and referees to have transcripts and Reference Report forms mailed/delivered directly to the applicant in sealed envelopes. The transcripts, Reference Report forms, and other application materials should be placed in the return envelope with the fellowship Application-Part 2 and mailed to the Fellowship Office. **Do not delay mailing of the Application-Part 2** in order to include all materials; items not included with the Application-Part 2 may be mailed somewhat later but without undue delay.

It is suggested that applicants obtain a record of the mailing dates by requesting a "Certificate of Mailing" from the post office.

## SCHEDULE AND DEADLINES

**November 5, 1993 - Postmark deadline for Fellowship Application-Part 1.** This form must be mailed to the Fellowship Office, NRC, in an envelope postmarked no later than November 5, or to be delivered in person by that date.

**January 4, 1994 - Postmark deadline for fellowship Application-Part 2.** The following materials should be mailed with Application-Part 2: Proposed Plan of Study and research, Previous Research and Experience, Undergraduate GPA Form, transcripts and Reference Report forms, with exceptions noted below under the January 24 deadline. **These materials must be mailed to the Fellowship Office, NRC, in an envelope postmarked no later than January 4 or to be delivered in person by that date.** Items not included with the Application-Part 2 may be mailed somewhat later but without undue delay.

**January 24, 1994 - Deferred date for receipt of transcripts that report courses and grades for the fall 1993 term. Deferred date for receipt of Reference Report forms from certain referees if the applicant has recently entered a new department. Reference reports in this category will be accepted until January 24.**

The Harry S. Truman Scholarship Foundation was established by Congress in 1975 as the official federal memorial to honor the thirty-third President of the United States.

In 1993 up to 85 scholarships will be awarded. A Truman Scholarship provides up to \$30,000, \$3,000 for the senior year of undergraduate education and \$27,000 for graduate studies.

Nominees must be juniors who expect to receive their baccalaureate degrees between December, 1994 and August, 1995. Nominees must

rank in the upper quarter of their class and be United States citizens.

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

The University of Missouri-Rolla can nominate three students. Academic departments are encouraged to send potential nominees to Donald B. Oster, Associate Professor of History, room 124, H-SS Building, for preliminary screening. Oster's campus phone is 4817.

Students need to contact Oster before October 15, as the nomination process must be completed before December 2.

## INTRODUCTION TO BIOMEDICAL RESEARCH ENCOURAGES MINORITY STUDENTS TO PURSUE SCIENCE CAREER

Are you an academically talented minority student in your junior or senior year of college? Or in your first year of graduate or medical school? Are you interested in a career in biomedical research.

The National Institute of Allergy and Infectious Diseases (NIAID) in Bethesda, Md., offers the Introduction to Biomedical Research Program that acquaints academically talented minority students with career opportunities in biomedical research.

"This program offers minority students from across the country an in-depth and intense four-day introduction to NIAID-NIH," said Vincent A. Thomas, M. S. W., M. P. A., program director. "This initiative grew out of the Institute's concern about the underrepresentation of minorities in the scientific pool. Our goal is to increase the number of minority scientists."

NIAID, a component of the National Institutes of Health (NIH), focuses on investigations on the causes of allergic, immunologic and infectious diseases and development of better means to prevent, diagnose and treat these illnesses. In addition to researchers working in NIAID laboratories, NIAID supports scientists at U. S. universities, medical schools and research institutions to conduct scientific studies on various diseases, including AIDS, tuberculosis, hay fever, hives, Lyme disease, tropical diseases and sexually transmitted diseases.

Approximately 55 students will be selected for the 1994 program, scheduled for Feb. 6 to 10. They will attend a series of lectures by NIH scientists and will tour the renowned NIH Clinical Center, one of the world's largest research hospitals. They will have face-to-face discussions with scientists about current research initiatives and advances as well as career concerns. All participants will be provided with expenses and round-trip transportation to the Bethesda camp.

The students also will have the opportunity to apply for summer positions in the NIAID Division of Intramural research. These jobs provide opportunities to increase students' knowledge and understanding of biomedical research, career paths and the types of positions available at NIH.

Applicants must have a 3.0 or better GPA and be recommended by the deans and faculty members of their schools. Selection is based on

these recommendations and the students' personal and academic achievements.

For an application packet, contact NIAID at 9000 Rockville Pike, Building 31, Room 7a19, Bethesda, Md. 20892 or call (301) 496-4846. Applications also may be obtained from the college or university dean or representatives for NIH programs such as Minority Access to Research Careers or Minority Biomedical Research Symposium. The completed application packet must be received at NIAID from the dean or chairperson no later than Dec. 3, 1993. Applicants will be notified by letter about final selections of participants after Dec. 17, 1993.

## THE ELIE WIESEL PRIZE IN ETHICS ESSAY CONTEST - 1994

## ELIGIBILITY:

The contest is open to undergraduate seniors who are enrolled full-time at accredited, four-year colleges or universities in the United States. Students must have registered senior status during the Fall 1993 semester.

## ESSAY THEMES, CONTENT AND LENGTH:

"Identify and respond to the most Critical Ethical Problem in Government, Professional or Social Life."

"Identify and Respond to the Ways in which Great Writers Have Addressed Contemporary Ethical Dilemmas."

In 3,000 to 4,000 words, students are asked to develop substantive, informed, and judicious arguments defending ethical perspectives and principles relative to their chosen themes.

The following questions might be considered in the context of the 1994 themes:

What are the most important moral choices we face today?

Why must individual speak out when confronted with human suffering and injustice?

What are our ethical obligations to preserve and protect our physical environment and natural resources?

How should we respond to new, and not so new, ethical issues in business, medicine, law, government and human rights?

What are the significant moral or ethical issues raised by technology in the 1990's?

How does an individual or a group reconcile desire for autonomy with the need for cooperation

within a community, a nation, or the world?

How should one respond when writers and philosophers - sometimes great writers and philosophers - use language and concepts to encourage racism, anti-Semitism and other forms of prejudice and hate?

Essays may be developed from any point of view and can be in the form of a case study, personal experience, or an analysis that is philosophical, historical, biographical, social, theological, or psychological.

Essays must be in English and must be original, unpublished work of the author.

## FORMAT:

No name or other self identifying information may appear on the cover sheet or manuscript. All manuscripts are assigned identification codes.

Manuscripts must be typed, double-spaced, including quotations that may appear in the text, with one-inch margins on all sides of the page. Pages must be consecutively numbered in the upper right-hand corner. Do not bind or staple manuscripts; secure pages using a paper clip. Footnotes, if used, should be single-spaced, consecutively numbered and placed at the bottom of each page. The 3,000 to 4,000 word essay do not include footnotes.

## DEADLINE:

Entries must be postmarked by Friday, January 14, 1994, or delivered to the Fellowship Office by 5:00 p. m., January 14, 1994. FAXED ENTRIES WILL NOT BE ACCEPTED.

## SUBMISSION:

Submit three (3) copies of the essay with

Supporting letter on school stationery signed by a faculty member or school administrator, verifying that the student is a full-time undergraduate senior at the college or university indicated on the entry form.

Suggested text: "To Whom It May Concern: Joe Miner is a full-time undergraduate student currently attending XYZ University. As professor/advisor/administrator at XYZ University, I am pleased to submit Joe's essay for consideration for the 1994 Elie Wiesel Prize in Ethics Essay Contest."

see Aid, page 21

Everybody Likes



A Bud

cookie



# Campus Gossip

## Miscellaneous

Share a:

### Plane ride to Chicago Midway Airport!

UMR student flies home major weekends, 2 hours instead of 7 \$50-\$80 shared expenses, noncommercial. Leave message for Henry, call 364-1140.

### Speaker Stands

asking \$20

phone: 341-8417

### T.V.-Stereo Stand

Holds 20 inch T.V.

Asking \$25

phone: 341-8417

### 1987 Dodge Lancer ES Turbo

four door coupe with sunroof; Maroon; High performance tires & alloy wheels; 2.2L 4 cyl. Electronic Fuel Injection; AC, PS, PB, 5 speed, cruise

Asking \$5000

Rob Taycoe @ USBM 364-3169 x 247

Home: 435-6563

## Personals

Sheila

I love the hair bow. Your an awesome lil sis and we must go to SOP soon!

Lico

YBS

Chris and Diane

I finished all the Dynamics so I can help you two with that. But I still can't get that Thermo problem!

Lico

Nina

Susie &amp; Julie

So when can I eat doughnuts with you for breakfast?

Lico

Chris

To all our sisters

We're keeping track in our room!

Lico

Chris and Nina

Barbie

The new sun and surf model has a hidden talent for belly flopping!

Lico

Your roomie

To my two Cuba buddies,

we must go take another Road Trip!

The other Cuba tag

along

Schock

Someone said you were a little clueless, but your a cool friend anyways.

The Weird One

If we all installed "Low Flow" shower heads, we could save billions of gallons of water every year ... without ever noticing

Down to Earth

Susan &amp; Robin

Thanks for letting me come over last Friday!

Lico

Becky

Sonya

Have you had any PDQ recently?

Lico

Becky

Lisa

Oh yes. I will get back at you.

Lico

Becky

Zac

Welcome to the family!

Lico

Becky

Lisa

Are you hungry?

Lico

Becky

Mysty

He's on your body!!!

S. Madonna

Lisa

Nevermind ...

S. Madonna

Lisa &amp; Becky

Oh yes, I will get you back

Sonya

Lisa &amp; Becky

Next time, if you're qualified in road hazard ... signs...signs...

S. Madonna

Lisa

I know Rule #1 but can you find Rule #2

Love Den

The Love Den

Consultations by appointment only

S. Madonna

Lisa &amp; Becky

I mean that in the most friendly and positive way possible ... get a grip ... get a facial...

S. Madonna

Rena

What a great little sis - good luck on your topics??

Lico

Sonya

Becky

We've got tonight

- ???

Becky

Good job on the lai toss. It must have been the music.

Never miss a meal.

Sonya (Love Den)

So, how's business? Had any good consultations lately?

Big L

Sonya

Just remember Rule #1. P.O. or G.O. It worked for me.

-Big L

Sonya

I think you've got something on your face.

- ???

Becky and Sonya

I will get you back ... Oh yes, I will get you back.

Lisa

Sonya

... Never mind ...

Big L

Becky

It's stopped raining. I think its time for another shower

Big L and S. Madonna

Sonya

Can't wait til next year.

Lico

Lisa

Becky

So when is your HIYH bumper sticker coming?

Big L and S. Madonna

Protons ... Acceleration ... it ... coefficients of Kinetic friction ...

Sonya

Sonya

SHUT UP!!!!

Lisa and Becky

Lisa

A.K.A "Never miss a meal Rothley" Its shower time!!

Sonya

Becky

Well, "Miss 1-800 numbers", who gets the bill??? - NLS

Sonya

Ken

Lets go cruising in my pink convertible! Love Barbie

Angela

Next time lose the flip-flops! You might wake the dog!

Lico

Nina

Andres, Christy, Vanessa &amp; Jodie,

Can you figure out who the lucky one is for this week?

Lico

Nina

If every American family planted just one tree, over a billion pounds of "Greenhouse Gases" would be removed from the atmosphere every year

-Down to Earth

Bubby-

How many more days?

-B

D-

How are you able to keep your secret lover a secret? I hear her all the way down in my room!

-Bug

RHA-

Let's have a video mixing party!

-a secretary

Kevin,

Did you eat your fruit today?

-Nat &amp; Sarah

Chad-

Maybe your printer & computer just don't LIKE eachother.

Bridgette

Dyrk,

Done any karate kicking lately?

-Nat, Sarah &amp; Sheri

TJ North Softball,

You guys were awesome (at least at the games we came to!)

-Sarah, Nat &amp; Sheri

Sheri-

"Getting to know you ... getting to know all about you ... " Taking your time? That's okay!

-the matchmakers

Hey Natalie!

SOMEbody needs a haircut!

-Bridgette

Barry, Kevin &amp; Dyrk,

You guys were the best fans. Thanks for all your support

-TJHA ladies softball team

Bridgette,

Get the scissors we're gonna play barber!

-Nat

Is there a polite way to tell someone they're in desperate need of make-up?

Nat-

Don't you hate it when couples wear the same shirt?

Bridgette

Jeffery Paul,

We want our donuts!

-Sarah &amp; Nat

John Regan-

BIG HUG!

Your friends across the

RHA table.

If every commuter car carried just one more passenger, we'd save 600,000 gallons of gasoline and keep 12 million pounds of "Greenhouse Gases" out of the atmosphere every day

-Down to Earth

Sweetheart,

Where are the boundaries in our own little world; if any?

ERIC

Jill,

You did a great job with homecoming!

Zlam,

Candy

see Gossip, page 21



# K M N R

89.7 MHz

Sunday Monday Tuesday Wednesday Thursday Friday Saturday

	<b>Malcolm &amp; Nic</b> <b>Jungle Jam</b> (r&b, rap, jazz)	<b>Jim B.</b> FUCK the FCC (music with no socially redeeming value)	<b>MrGoo+MrBrew</b> Mind numbed by THC (new hard shit/heavy metal)	<b>Jason K.</b> <b>Trolling for olives</b> (music to make frat boys cringe)	<b>Tom E.</b> Kitten Chow Mein (good size chunks)	<b>Archie G.</b> <b>Does ...</b> (alternative, new & old)	<b>Alan F.</b> <b>Zone 8</b> (rave, industrial dance)
	<b>Jason M.</b> <b>OH MY GOD It's 3AM!</b> (happy)	<b>Dan F.</b> Out of the Silent Planet (old rock, new rock)	<b>Rodrigo</b> I can't do nothing for you, MAN! (almost anything)		<b>Ben S.</b> <b>Benji &amp; ButtHead</b> (MTV clone music)	<b>Raita</b> <b>Caligula-uncut</b> (industrial, alternative)	<b>Becky C.</b> lozenge eye courage punctuation & farthings (new stuff, polka, muppets, sesame st.)
	<b>Tom T.</b> <b>Drowning in Puke</b> (regurgitated)	<b>Chuck K.</b> It's WAY too early for THIS! (jazz/or/zappa)	<b>John D.</b> First thing in the Morning (alternative ???)	<b>Kirk P.</b> Third planet from the SUN -or thereabouts (alternative, classic)	<b>Ann C.</b> <b>I Feel Lucky</b> (a plethora of copacetic tunes)	<b>Ben H.</b> <b>Backwater Bohemia</b> (alternative)	<b>Karonica</b> <b>Hey Love</b> (r&b, rap, jazz)
	<b>Cheryl C.</b> A ride on the "COL-TRAIN" (jazz)	<b>Sheela</b> <b>It's Only Rock-n-Roll</b> (classic rock)	<b>Tobin</b> <b>Nice New Outfit</b> (fun)	<b>Mr. Woody &amp; Rhonda</b> <b>E</b> share life (... ugh)	<b>Albetta</b> is really graduating	<b>Jeff &amp; Cyndi</b> It's a Dirty Job (gamut)	<b>Bruce "J.C."</b> <b>"Press on" "Jah"</b> (roots reggae)
	<b>Sean M.</b> Product of my Environment (faintly familiar)	<b>Randy B.</b> Ignorance is an Excuse (eclectic)	<b>Ken W.</b> Black Socks & Bermuda Shorts (tourist)	<b>Woody</b> I am not a geek, and I can prove it (mathematically... uh, I mean punk)	<b>Mark S.</b> The hair lipped dog show (variety/rock-n-roll)	<b>Simon C.</b> My mother was a nun (A 12" mule for your sister Sarah) (r&b, rap & bluegrass)	<b>Jim M.</b> The vagaries of Young Lust (alternative ??)
	<b>Sandy J.</b> <b>BABE-O-LICIOUS</b> (alternative)	<b>Rhonda</b> <b>Diarhea</b> (the shit just keeps coming)	<b>Jen Z.</b> I hate black olives (good music)	<b>Angela</b> Please do not tease or feed the straight people (bad-no-gratitude, a girl didn't see boy friend music that made you cry)	<b>Karen G.</b> In one ear and out the other (alternative)	<b>Capt. Goatee</b> Goat on my Chin (alternative folk poetry)	<b>Laura B.</b> <b>Catfish Craze</b> (out of water) (alternative, techno)
	<b>Melissa M.</b> Hey! Boogers are NEAT! (alternative)	<b>Artist</b> <b>SPECIAL FEATURE</b> SURPRISES	<b>Kevin B.</b> <b>ERICSAFLOOZY</b> (lots)	<b>Greg P.</b> and the Mainstream Alternative Request Show (your choice)	<b>Chad</b> Trout wobble ... but, they don't fall down (Damn, hangnail)	<b>REQUEST SHOW/ CALL IN</b>	<b>Brent H.</b> The "Whatever my mood is today" Show (everything "cept county)
	<b>Eric J.</b> Pubic hair stuck in my THROAT! (Farty)	<b>Arvy</b> As I pass thru the BOWELS of ROLLA (everything)	<b>J. Bee</b> <b>BURN YOUR BIBLE</b> (sexist trash)	<b>Brian M.</b> Killing for Jesus (self-righteous crap)	<b>McDavemc</b> (what used to be alternative)	<b>DJ Bace</b> Don't stereotype me 'cause I'm Big & Black (rap, hip-hop, r&b)	<b>Chris B.</b> High Performance Gravy Additive (wuf eye lyke)

## M-Club Athlete of the Week



This weeks M-Club athlete of the week is Becky Wilson, a senior on the UMR women's cross country team. This past week at the Cougar Twilight Invitational, Becky placed first in the 4000 meters, with a time of 14:46. Also, at the Missouri Southern Invitational, she placed seventh in the 5K, with a time of 18:48. This time was a personal best for Wilson and the third fastest time in UMR women's history for this event. Congratulations Becky, and keep up the good work.

## M-Club Athlete of the Week



This weeks M-Club Athlete of the Week is Cary Lunge, a junior co-captain of the Miner football team. This last week against Emporia State, Lunge accumulated an impressive 19 tackles, two of which were for a loss in yards. Cary is also the teams leading tackler, with a three game total of 35 tackles, 18 of which were solo efforts. He has also recovered one fumble. Congratulations Cary, and keep up the good work.

## St. Pat's Committee Triumphs

Hello again from the St. Pat's Committee. As you probable now well know, sweatshirt sales are back in full swing, and if you don't have your 1994 green yet, then you've only got 162 daze to go.

Last weekend we had the annual Green vs. Grey football game which the Green won by a score of 24-15. Scoring for the good guys were Doug Davidson with two quarterback runs, Shemp with one touchdown pass, and Joe Rein kicked a field goal. On defense, Rich Roland, Jason Myers and Chris Aubuchon got interceptions, making the unstoppable offense possible. Also a big thank you is in order to all you who came out to cheer us on.

St. Pats Committee

## GREEKS & CLUBS!

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Plus \$1000 for yourself  
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just for calling.  
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## EXCELLENT EXTRA INCOME NOW!

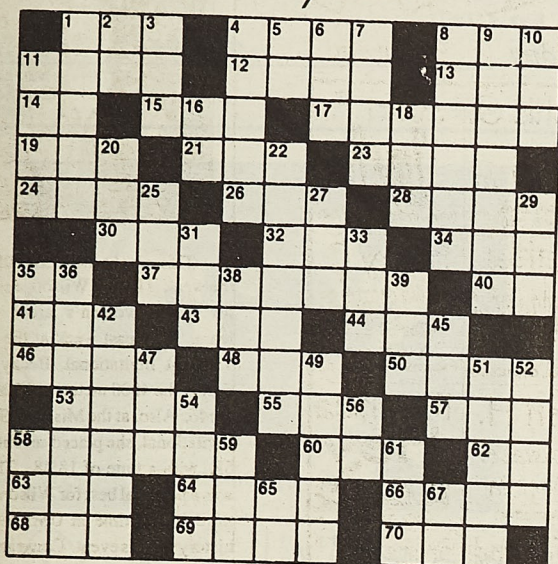
ENVELOPE STUFFING — \$600 - \$800 every week  
Free Details: SASE to

International Inc.  
1375 Coney Island Ave.  
Brooklyn, New York 11230



# Time Killers

## Crossword Companion



### ACROSS

1. Western state (abbr.)
4. Musical note
8. Wonder
11. Unconscious
12. Dry
13. Recreational vehicle
14. Morning (Latin, abbr.)
15. Ban
17. Sea robber
19. Novel
21. Doze
23. Carry
24. Stalk
26. Spread grass to dry
28. Nude
30. Flap
32. Cat sound
34. Regular (abbr.)
35. Sullivan
37. Restore
40. Complete
41. Relative (abbr.)
43. Beetle
44. Lion's home
46. Get an A on a paper
48. Sesame plant
50. High wind
53. Thin
55. Black street substance

### DOWN

57. Each
58. Sheriff
60. Number
62. Move
63. A Gershwin
64. Short skirt (slang)
66. Woe is me!
68. Turkish title
69. Dash
70. Girl (slang)

### DOWN

31. Cot
33. Compressed ball
35. Age
36. Say
38. Negative
39. Appendage
42. Give room
45. Doze
47. Beaver construction
49. Old language
51. Within the law
52. God of love (Gr.)
54. Appellation
56. Concerning
58. Liberty (abbr.)
59. None
61. Annoy
65. Prosecutor (abbr.)
67. Southern state (abbr.)

see Solutions, page 22

## INTERESTED IN IMPROVING YOUR SCHOLASTIC PERFORMANCE

- in
- Math 4, 6, or 8
  - Chemistry 1 or 5
  - English 20

Slots are still open in the

## EXCEL PROGRAM

for more info, contact Sue Kellems, G-4 H-SS

## FREE TUTORING

For any basic Arts and Sciences Courses

Available in G-4 H/SS as part of A.S. Assist Program

for more information:

## Block

from page 5

ion in polite company, those two are out, too. Geez Louise!

Oh, well, I suppose it's hopeless — although it does rather seem that now I've written enough to qualify this scribble about not having any ideas for an article as an article, so perhaps I should just quit now. And, as a bonus, I may have accomplished something

as well: after seeing what we writers have to go through each week simply to ensure that you, the faithful, intellectual, and academically-challenged members of our reading audience, are entertained, perhaps you'll appreciate us a just a tiny bit more next week. Until then, happy studying!

## Gossip

from page 19

If we all recycled our Sunday papers, we could save over 500,000 trees every week.

-Down to Earth

Nancy, Shawn, and Tara,

You guys are the coolest family!

Zlam,

Candy

isa,

5 isn't that bad. We were robbed!

Lico

Becky

Sigma Nu Little Sisters are the best.

and Chad,

You are the coolest little brothers!

Love Candy

Lady in Red,

you looked extremely Beautiful

Yours

## HELP IS HERE!

## Introducing the HP-48 USERS GROUP

- **MISSION:** To help all students more fully use the capabilities of their HP-48.
- Accomplish mission by:
  - ★ using the FTP capabilities of the Internet system at UMR to access free software for the HP-48.
  - ★ using UNIX accounts to subscribe to newsgroups pertaining to the HP-48.
  - ★ forming a locally based network of students and instructors knowledgeable on the HP-48.
- **Next meeting: Thursday, October 7, 6:00pm, EE101**

Direct inquiries and suggestions to:

David Clark, Chairman

e-mail: daclark@umr.edu

Services to be available  
soon on the EE MENU

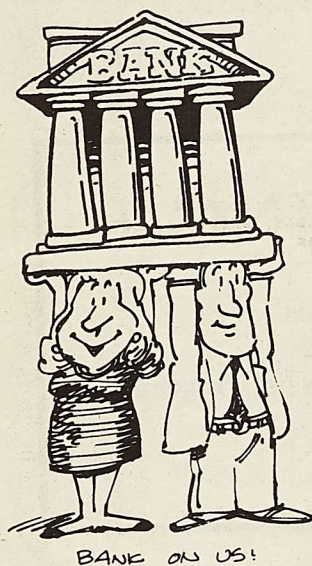


## Freshman of the year Scholarship

Theta Tau Omega  
Source

Theta Tau Omega is sponsoring their annual Freshman of the Year Scholarship. It is a \$250 scholarship awarded on the basis of G.P.A., campus honors, campus activities, and an interview. To be eligible, you must have completed 30 credit hours at UMR and have sophomore standing.

Applications for the scholarship can be obtained through your organization president, and they will be due Thursday, October 7. The interview date is Tuesday, October 12.



CHRISTMAS  
**SKI**  
BREAKS

LODGING • LIFTS • PARTIES • PICNICS • TAXES

JANUARY 2-16, 1994 • 5, 6 or 7 NIGHTS

**STEAMBOAT**  
**BRECKENRIDGE**  
**VAIL/BEAVER CREEK**  
**TELLURIDE**

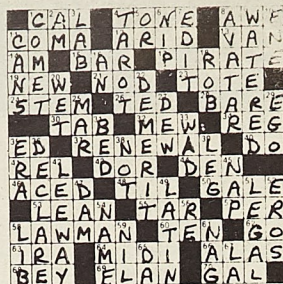
\*FREE 1/2 DAY  
LIFT TICKET!  
MUST BOOK BY 10/15

TOLL FREE INFORMATION & RESERVATIONS  
**1-800-SUNCHASE**



## Solutions

from page 21



Alice Starr, Purdue University graduate.

## THE BIG STEP

**Q.** What's the key to successfully moving from college into the workplace?

**A.** "Ask a lot of questions, get opinions from several people from the same company, do your homework. Make sure they really provide the challenges they talk about. Really try to get a feel for what you'll be doing before you decide on an employer."

**Q.** Is your career what you expected it to be?

**A.** "Actually, it's much more. I'm finding out that everything I do has an impact on the company as a whole — from designing a new piece of production equipment to making a better product for our customers. I'm surprised at the variety of people and projects. There's something new every week."

**Q.** What was your biggest surprise?

**A.** "Challenge and risk. I'd heard the words, but I really didn't think they meant much. Surprise, surprise. At Monsanto, I get all the challenge I want — and all the support I need. But along with the risk comes reward. It's a great place to make a big impact in your technical area at a relatively young age."

Alice Starr, a Process Engineer II with The Chemical Group of Monsanto, received her B.S. degree in Chemical Engineering from Purdue University.

## CRUISE SHIP JOBS!

Students needed! Earn \$2000+ monthly. Summer/holidays/fulltime. World travel. Caribbean, Hawaii, Europe, Mexico. Tour Guides, Gift Shop Sales, Deck Hands, Casino Workers, etc. No experience necessary. CALL 602-680-4647, Ext. C147.



## What Will I do?

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We produce innovative products ranging from specialty chemicals and fibers to agricultural chemicals and artificial sweeteners to life-enhancing pharmaceuticals. We do it globally — with 34,000 talented professionals and one of the industry's largest research budgets. And we do it with a conscience; Monsanto maintains a number of major programs to benefit our environment and the communities we share.

## Come Find Out:

Thursday,  
October 21

If you're about to earn almost any type of engineering or science degree, or a degree in finance, accounting or business, find out how to make a difference at Monsanto. We reward achievers — innovators who work well in teams and aren't afraid to ask challenging questions — with a variety of programs to help you advance personally and professionally.

What should you do? Get to know the difference at Monsanto. Contact your placement office to find out when we'll be on campus. Or write to: Monsanto Company, The Chemical Group, University Relations and Professional Staffing, 800 N. Lindbergh Blvd., St. Louis, MO 63167.

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In our Products and in our Careers.

Monsanto Company, The Chemical Group, University Relations and Professional Staffing

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# Co-Op

FALL 1993 CO-OP INTERVIEW SCHEDULES  
SCHEDULE ADDITIONS POSTED ON UMRINFO AND GOPHER  
09/30/93

Company: United Technologies  
Date of Interview: 09/29  
Majors: MECH ELEC  
Minimum GPA: 3.000 Must be at least standing.  
Remarks: POSTED FOR SIGN-UPS: FRIDAY, SEPT. 10, 1993  
Work location: Columbus, MS

Method: PRS-Closed

Company: Union Pacific RR  
Date of Interview: 10/08  
Majors: CIVL MECH MET  
Minimum GPA: 2.950 Must be at least Sophomore standing.  
Remarks: POSTED FOR SIGN-UPS: FRIDAY, SEPT. 17, 1993  
Work Location: Omaha, Nebraska  
start work spring or fall 1994  
Information meeting: 10/6/93 - Mark Twain Room 6:30 - 7:30 pm  
Operating area- ALL STUDENTS INTERVIEWING WITH UNION PACIFIC RR MUST ATTEND INFORMATION MEETING.

Method: PRS-Closed

Company: Busmann-Application Engineering  
Date of Interview: 09/24  
Majors: ELEC EMAN MECH  
Minimum GPA: 2.950 Must be at least standing.  
Remarks: POSTED FOR SIGN-UPS: FRIDAY, SEPTEMBER 10, 1993  
Work Location: St. Louis, Missouri  
Start work spring 1994  
Must have proper documentation to work in US

Method: PRS-Closed

Company: Union Pacific RR  
Date of Interview: 11/04  
Majors: ELEC  
Minimum GPA: 2.950 Must be at least Sophomore standing.  
Remarks: POSTED FOR SIGN-UPS: THURSDAY, OCTOBER 14, 1993  
Work Location: Omaha, Nebraska  
start work spring or fall 1994  
Information meeting - 11/2/93 - Meramec Room 6:30 - 7:30pm  
Communications area  
Interview date change to : Thurs., November 4, 1993

Method: PRS-Open

Company: US Gypsum  
Date of Interview: 09/24  
Majors: MECH MIN  
Minimum GPA: 2.650 Must be at least standing.  
Remarks: POSTED FOR SIGN-UPS: FRIDAY, SEPT. 10, 1993  
Work location: Sperry, Iowa  
Start work spring or summer 1994  
Information meeting - Thursday, September 23, 1993 6:30pm in Mark Twain Room, UCE

Method: PRS-Closed

Company: Dames & Moore  
Date of Interview: 10/05  
Majors: CHE CIVL GEE  
Minimum GPA: 2.950 Must be at least Junior standing.  
Remarks: POSTED FOR SIGN-UPS: TUESDAY, SEPT. 21, 1993  
Work location: Overland Park, Kansas  
START WORK SPRING 1994

Method: PRS-Closed

Company: Union Electric  
Date of Interview: 09/28  
Majors: ELEC MECH CIVL EMAN CMPS  
Minimum GPA: 2.450 Must be at least Junior standing.  
Remarks: POSTED FOR SIGN-UPS: TUESDAY, SEPT. 14, 1993  
Work Location: St. Louis, MO and various locations in Missouri,  
start work January 1994 (NOTE CHANGES IN MAJORS)  
Green Card Required for non citizens  
2 to 3 CIVL students should sign up per schedule - 2 EMAN per schedule  
Greater need is for ELEC and MECH

Method: PRS-Closed

Company: Amsted  
Date of Interview: 10/06  
Majors: MECH MET  
Minimum GPA: 2.950 Must be at least Sophomore standing.  
Remarks: POSTED FOR SIGN-UPS: WED., SEPT. 22, 1993  
WORK LOCATION: MIDWEST/MIDEAST  
START WORK SPRING 1994

Method: Open

Company: Monsanto Company  
Date of Interview: 09/29  
Majors: CMPS MGTS  
Minimum GPA: 2.950 Must be at least Sophomore standing.  
Remarks: POSTED FOR SIGN-UPS: WED., SEPT. 15, 1993 (1 hour inter  
Work Location: St. Louis, MO., Chicago, IL., New Orleans, LA  
Information Meeting: Tuesday, Sept. 28, 1993 at 7:00 pm, Silver and gold room. ALL MUST ATTEND INFORMATION MEETING PRIOR TO INTERVIEW.  
MUST PICK UP MONSANTO APPLICATION AT THE CO-OP OFFICE, 303D NORWOOD ON DAY OF SIGN-UPS START WORK SPRING 94

Method: PRS-Closed

Company: Anh Busch-Process Engr-MECH, CHE  
Date of Interview: 10/06  
Majors: MECH CHE  
Minimum GPA: 2.500 Must be at least Sophomore standing.  
Remarks: POSTED FOR SIGN-UPS: WED., SEPT. 22, 1993  
WORK LOCATION: ST. LOUIS, MO  
\*NOTE: COMPANY HAS REQUESTED THAT A STUDENT MAY SIGN-UP FOR ONLY ONE SCHEDULE. THIS SCHEDULE IS PROCESS ENGINEERING FOR MECH, CHE.  
START WORK SPRING 1994  
PROCESS ENGINEERING - MECH, CHE

Method: PRS-Closed

Company: Moog Automotive  
Date of Interview: 09/30  
Majors: MET  
Minimum GPA: 2.000 Must be at least standing.  
Remarks: POSTED FOR SIGN-UPS: THURSDAY, SEPT. 16, 1993  
Work Location: St. Louis, Missouri  
start work spring 94

Method: PRS-Closed

Company: Kaiser Aluminum  
Date of Interview: 10/06  
Majors: MET  
Minimum GPA: 2.650 Must be at least standing.  
Remarks: POSTED FOR SIGN-UPS: WED., SEPT. 22, 1993  
Work Location: Jackson, TN  
START WORK SPRING 94

Method: Open



FALL 1993 CO-OP INTERVIEW SCHEDULES  
SCHEDULE ADDITIONS POSTED ON UMRINFO AND GOPHER  
09/30/93

Company: Hunter Engineering Company  
Date of Interview: 10/15  
Majors: MECH ELEC  
Minimum GPA: 2.950 Must be at least Sophomore standing.  
Remarks: POSTED FOR SIGN-UPS: FRIDAY, SEPT. 24, 1993  
Work location: St. Louis, MO  
START WORK SPRING 94  
  
mailed resumes 9-27-93

Method: PRS-Closed Company: Sporlan Valve  
Date of Interview: 10/19  
Majors: MECH  
Minimum GPA: 2.750 Must be at least Sophomore standing.  
Remarks: Work Location: St. Louis, Missouri  
POSTED FOR SIGN-UPS: TUESDAY, SEPT. 28, 1993  
start work spring 1994  
Information meeting: Monday, Oct. 18, 1993 in the UCE - Centennial  
Hall - East side - 8:00 - 9:00 pm  
All students interviewing with Sporlan must attend

Method: PRS-Open

Company: Dow Chemical  
Date of Interview: 10/11  
Majors: ELEC CHE  
Minimum GPA: 2.750 Must be at least standing.  
Remarks: POSTED FOR SIGN-UPS: MONDAY, SEPT. 27, 1993  
Work Location: Freeport, TX or Louisiana  
1/2 SCHEDULE 8 INTERVIEW OPENINGS  
am interview times

Method: PRS-Closed Company: Alco Controls  
Date of Interview: 09/30  
Majors: MECH CMPS  
Minimum GPA: 2.000 Must be at least standing.  
Remarks: Work Location: St. Louis MO  
start work spring 1994  
POSTED FOR SIGN-UPS: THURSDAY, SEPT. 16, 1993  
one session all Mech  
one session am Mech, pm CMPS  
REFRIGERATION FLOW CONTROLS

Method: PRS-Closed

Company: Deere and Company  
Date of Interview: 10/20  
Majors: ELEC MECH  
Minimum GPA: 2.650 Must be at least standing.  
Remarks: POSTED FOR SIGN-UPS: WED., SEPT. 29, 1993  
WORK LOCATIONS: IOWA AND ILLINOIS  
  
STUDENTS MUST BE WILLING TO WORK 3-5 WORK PERIODS  
  
mailed packet 9-30-93

Method: PRS-Closed Company: Monsanto-Carondelet Plant  
Date of Interview: 09/22  
Majors: CHE  
Minimum GPA: 2.750 Must be at least Sophomore standing.  
Remarks: Work Location: St. Louis, MO  
POSTED FOR SIGN-UPS: TUESDAY, SEPTEMBER 14, 1993  
start work spring 94

Method: PRS-Closed

Company: Deere and Company  
Date of Interview: 10/21  
Majors: MGTS CMPS  
Minimum GPA: 2.450 Must be at least Sophomore standing.  
Remarks: POSTED FOR SIGN-UPS: THURSDAY, SEPT. 30, 1993  
WORK LOCATION: MOLINE, ILLINOIS  
START WORK SPRING 94  
INFORMATION MEETING AT 7:00 PM, WEST SIDE OF CENTENNIAL HALL, UCE  
ALL STUDENTS INTERVIEWING WITH JOHN DEERE MUST ATTEND

Method: PRS-Open Company: Noranda Aluminum  
Date of Interview: 09/24  
Majors: ELEC MECH  
Minimum GPA: 2.700 Must be at least Junior standing.  
Remarks: POSTED FOR SIGN-UPS: Wednesday, September 15, 1993  
start work spring 1994  
Work location: New Madrid, Missouri  
Company requested to interview 2 - ELEC and 3 - MECH  
8:00 - ELEC 9:00 - MECH 10:00 - MECH  
8:30 - ELEC 9:30 - MECH

Method: PRS-Closed

Company: Litton Industries  
Date of Interview: 10/20  
Majors: MECH CHE ELEC  
Minimum GPA: 2.000 Must be at least standing.  
Remarks: POSTED FOR SIGN-UPS: WED., OCT. 6, 1993  
WORK LOCATION: SPRINGFIELD, MO

Method: Open Company: Central Intelligence Agency  
Date of Interview: 10/05  
Majors: ELEC CMPS ECON  
Minimum GPA: 3.200 Must be at least Sophomore standing.  
Remarks: POSTED FOR SIGN-UPS: MONDAY, SEPTEMBER 20, 1993  
Work Location: Washington, DC  
start work spring 94  
  
am interviews only 1/2 day

Method: PRS-Closed

Company: IBM Corporation  
Date of Interview: 11/04  
Majors: ELEC CMPS  
Minimum GPA: 2.000 Must be at least standing.  
Remarks: POSTED FOR SIGN-UPS: THURSDAY, OCTOBER 14, 1993  
WORK LOCATIONS: VARIOUS LOCATIONS  
START WORK SPRING OR SUMMER 1994

Method: PRS-Open Company: McDonnell Douglas  
Date of Interview: 10/19  
Majors: AERO ELEC MECH CMPS  
Minimum GPA: 2.950 Must be at least standing.  
Remarks: SIGN-UPS POSTED: MONDAY, OCTOBER 4, 1993  
START WORK SPRING 94  
WORK LOCATION: ST. LOUIS, MO

Method: PRS-Open

Company: Leonards Metals  
Date of Interview: 10/29  
Majors: MECH  
Minimum GPA: 2.950 Must be at least Sophomore standing.  
Remarks: POSTED FOR SIGN-UPS: FRIDAY, OCTOBER 15, 1993  
WORK LOCATION: ST. CHARLES, MO  
START WORK SPRING 94

Method: Open Company: General Motors  
Date of Interview: 10/18  
Majors: MECH ELEC  
Minimum GPA: 2.950 Must be at least Sophomore standing.  
Remarks: SIGN-UPS POSTED: WED., SEPT. 29, 1993  
WORK LOCATION - FLINT, MICHIGAN  
GENERAL MOTORS CADILLAC LUXURY CAR DIVISION  
STUDENTS MUST BE INTERESTED IN THE AUTO INDUSTRY  
START WORK SPRING OR SUMMER 1994

Method: PRS-Closed



FALL 1993 CO-OP INTERVIEW SCHEDULES  
SCHEDULE ADDITIONS POSTED ON UMRINFO AND GOPHER  
09/30/93

Company: Marathon Oil Company  
Date of Interview: 10/20  
Majors: MECH ELEC  
Minimum GPA: 2.750 Must be at least standing.  
Remarks: SIGN-UPS POSTED: WED., OCT. 6, 1993  
start work spring or fall 1994  
Work location: Findlay, OH; Springfield, OH; East Hazel Crest, IL; Houston, TX; Cody, Wyoming  
RECEPTION - UCE Silver & Gold Room, 6:30 - 8:00 pm Tuesday, Oct. 19.

Method: PRS-Open

Company: Anh Busch-Pkg & Shipping-MECH, CHE  
Date of Interview: 10/06  
Majors: MECH CHE  
Minimum GPA: 2.500 Must be at least Sophomore standing.  
Remarks: SIGN-UPS POSTED: WED., SEPT. 22, 1993  
WORK LOCATION: ST. LOUIS, MO  
\*NOTE - COMPANY REQUESTED THAT A STUDENTS SIGN-UP ON ONLY ONE SCHEDULE. JOB DESCRIPTIONS AVAILABLE AT THE CO-OP OFFICE.  
START WORK SPRING 1994  
PACKAGING AND SHIPPING - MECH, CHE

Method: PRS-Closed

Company: Anh Busch-Util Aff-ELEC, CIVL, CHE, ME  
Date of Interview: 10/06  
Majors: ELEC CIVL CHE MECH  
Minimum GPA: 2.500 Must be at least Sophomore standing.  
Remarks: POSTED FOR SIGN-UPS: WED., SEPT. 22, 1993  
WORK LOCATION: ST. LOUIS, MO  
\*NOTE: COMPANY REQUESTED THAT STUDENTS ONLY SIGN-UP FOR ONE SCHEDULE. JOB DESCRIPTIONS AVAILABLE IN THE CO-OP OFFICE  
START WORK SPRING 1994  
UTILITY AFFAIRS - ELEC, CIVL, CHE, MECH

Method: Open

Company: Brown Shoe Company  
Date of Interview: 10/05  
Majors: EMAN MECH  
Minimum GPA: 2.500 Must be at least standing.  
Remarks: SIGN-UPS POSTED: MONDAY, SEPT. 27, 1993  
start work spring 1994  
Work location: Steelville, Missouri

Method: Open

Company: Anh Busch-Power&EngDesign-ELEC, CHE  
Date of Interview: 10/06  
Majors: ELEC CHE  
Minimum GPA: 2.500 Must be at least Sophomore standing.  
Remarks: POSTED FOR SIGN-UPS: WED., SEPT. 22, 1993  
WORK LOCATION: ST. LOUIS, MO  
\*NOTE: COMPANY REQUESTED THAT A STUDENT SIGN-UP ON ONE SCHEDULE ONLY. JOB DESCRIPTIONS AVAILABLE IN THE CO-OP OFFICE.  
START WORK SPRING 1994  
POWER AND ENGR DESIGN - ELEC, CHE

Method: Open

Company: Moog Automotive  
Date of Interview: 10/04  
Majors: MECH  
Minimum GPA: 2.750 Must be at least standing.  
Remarks: Sign-ups posted: Monday, Sept. 27, 1993  
Work location: St. Louis, MO  
start work spring 1994

Method: Open

Company: Anh Busch-Engr Developme-ELEC, CMPS  
Date of Interview: 10/06  
Majors: ELEC CMPS  
Minimum GPA: 2.500 Must be at least Sophomore standing.  
Remarks: SIGN-UPS POSTED: WED., SEPT. 22, 1993  
WORK LOCATION: ST. LOUIS, MO  
\*NOTE: COMPANY REQUESTED THAT A STUDENT SIGN-UP FOR ONLY ONE SCHEDULE. JOB DESCRIPTIONS AVAILABLE AT THE CO-OP OFFICE.  
START WORK SPRING 1994  
ENGINEERING DEVELOPMENT - ELEC, CMPS

Method: PRS-Closed

Company: Harmon Electronics  
Date of Interview: 10/11  
Majors: ELEC  
Minimum GPA: 3.150 Must be at least standing.  
Remarks: Sign-ups posted: Wed., Sept. 29, 1993  
Work location - Grain Valley, MO (Kansas City, MO area)  
start work Jan 1994

Method: PRS-Open

Company: AnhBusch-EngPlanning, MECH, CIVL, EMAN  
Date of Interview: 10/06  
Majors: MECH CIVL EMAN  
Minimum GPA: 2.500 Must be at least Sophomore standing.  
Remarks: SIGN-UPS POSTED: WED., SEPT. 22, 1993  
WORK LOCATION: ST. LOUIS, MO  
\*NOTE - COMPANY REQUESTED THAT A STUDENT MAY SIGN-UP FOR ONLY ONE SCHEDULE. JOB DESCRIPTIONS AVAILABLE AT THE CO-OP OFFICE.  
START WORK SPRING 1994  
ENGINEERING PLANNING - MECH, CIVL, EMAN

Method: Open

Company: Midland Brake Company  
Date of Interview:  
Majors: MECH ELEC  
Minimum GPA: 2.950 Must be at least standing.  
Remarks: Sign-ups posted: Friday, Oct. 15, 1993  
Work location: Kansas City, MO  
STUDENTS MUST DEVELOP A COVER LETTER TO BE INCLUDED WITH RESUME.  
PLEASE BRING COVER LETTER TO THE CO-OP OFFICE NO LATER THAN OCTOBER 18. MAKE COVER LETTER ATTENTION TO: MR. ROBERT WOODS  
INTERVIEW DATE HAS NOT BEEN SCHEDULED YET.

Method: PRS-Open



# Full-Time Employment

FULL TIME EMPLOYMENT SCHEDULE INFORMATION  
FOR THE WEEK OF November 1-5

EMERSON MOTOR COMPANY  
P. O. Box 36912, Station 8007  
St. Louis, MO 63136  
Attn: Ms. Molly Lewis

Method: PRSCREEN  
Date of Interview: 11/02

Degree Level: B  
Majors: MECH ENGR., ELEC. ENGR  
Grad Dates :  
Minimum GPA: 2.85  
Position Available: Entry Level Engineers  
Position Location: St. Louis

DEADLINE FOR SUBMITTING RESUMES: October 12

CHRYSLER TECHNOLOGIES  
P. O. Box 154580  
Waco, TX 76715-4580  
Attn: Ms. Jamie Dunlap

Method: PRSCREEN  
Date of Interview: 11/03

Degree Level: B  
Majors: MECH ENGR, ELEC ENGR., AERO ENGR  
Grad Dates :  
Minimum GPA: 2.95  
Positions Available: Mechanical Engr., Aerospace Engr.,  
Electrical Engr.

Position Location: Waco, TX  
DEADLINE FOR SUBMITTING RESUMES: October 15

CONSOL INC.  
Consol Plaza  
Pittsburgh, PA 15241  
Attn: Mr. Ivan B. Rahn

Method: PRSCREEN  
Date of Interview: 11/04

Degree Level: B M  
Majors: MINING ENGR.  
Grad Dates : 12/93 05/94 07/94  
Minimum GPA:  
Position Available: Project Engineer  
Position Locations: Illinois, Pennsylvania, West Virginia,  
Kentucky, Virginia

DEADLINE FOR SUBMITTING RESUMES: October 14

GILBERT & BENNETT  
Toccoa, GA 30577  
Attn: Mr. Steve Marler

Method: PRSCREEN  
Date of Interview: 11/04

Degree Level: B  
Majors: MECH ENGR., ENGR. MGMT  
Grad Dates :  
Minimum GPA: 2.25  
Position Available: Corporate Engineer  
Responsibilities: Design & develop automated machinery, costing,  
establish logistical systems for manufacturing

Position Location: Toccoa, GA  
DEADLINE FOR SUBMITTING RESUMES: October 15

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## CHAOS by Brian Shuster



"Well Dr. Stone, it looks like we've reached a dead end. I can't decipher these hieroglyphics, and without them we'll never find the hidden chamber."



## Awards

ment from 1979 to 1990. He is a member of several professional organizations.

—Clifford C. Tanquary of Grandview, Mo., retired Power Projects Manager of The Marley Cooling Tower Co. Tanquary received a Bachelor of Science degree from UMR in 1957, then started working for The Marley Cooling Tower Co. He retired from the company in 1988. He has been active in several professional and civic organizations, including the American Society of Civil Engineers, the Grandview Historical Society and Boy Scouts of America. He has been an officer and board member of the MSM-UMR Alumni Association's Kansas City Section and currently is a UMR Admissions Ambassador.

The Alumni Merit Award, presented to faculty, friends and alumni for achievement or service to the campus or the MSM-UMR Alumni Association, was awarded to:

—Dr. Robert L. Davis of Rolla, dean of the UMR School of Engineering since 1979. Davis holds a Bachelor of Science degree in Mechanical Engineering from the University of Evansville (Ind.) and a Ph. D. from the University of Maryland in College Park. He came to UMR as an assistant professor in engineering hydraulics. During his tenure as Dean of the School of Engineering, the school has established a computer-aided engineering program, the Freshman Engineering Program to improve advising of first-year and transfer students, the school's first Ph. D. program in Engineering Management and three new interdisciplinary research centers. Davis is a member of many professional organizations and has served as president of the Missouri Society of Professional Engineers and the Rolla Rotary Club. He has received three UMR Outstanding Teaching Awards.

—David B. Price Jr. of Creve Coeur, Mo., Vice President and General Manager of Monsanto Co.'s Chemical Group Performance Products Division in St. Louis. Price received a Bachelor of Science degree in Civil Engineering from UMR in 1968 and holds a Master's degree in Business Administration from Harvard

Business School. He has worked for Monsanto for 21 years. He is a member of many professional and civic organizations, including the Synthetic Organic Chemical Manufacturers Association Inc.'s board of directors and the Missouri Housing Development Commission.

—Dr. Richard E. Slusher of Lebanon, N. J., head of the Optical Physics Research Department at AT&T Bell Laboratories in Murray Hill, N. J. He received a Bachelor of Science degree in Physics from UMR in 1960 and also holds a Ph. D. in Physics from the University of California-Berkeley. He joined AT&T Bell Labs in 1965. At Bell Labs, he has conducted research in optical physics, including light scattering in semiconductors. His current research interests include quantum optics, squeezed light, non-linear semiconductor waveguides and microlasers. He is a fellow with the Optical Society of America and the American Physical Society, and is also on the Advisory Board for UMR's Physics Department. He is involved in several other professional and civic organizations.

—Theodore R. Warren of Dallas, president of Grace Drilling Co. of Dallas. He received a Bachelor of Science degree in Petroleum Engineering from UMR in 1968 and also holds an MBA from Harvard Business School. He has worked in the oil and gas industry since completion of his MBA. In 1981, he began working for FWA Drilling Co., where he became President. In 1988, he moved to TXO Production Corp. and in 1990 joined Grace Drilling Co. Inc. He was President of the International Association of Drilling Contractors in 1988 and is also a member of the Society of Petroleum Engineers.

The Frank H. Mackaman Alumni Volunteer Service Award was awarded to:

—James R. Gaul of Houston, an independent consultant to the petroleum industry. Paul received his Bachelor of Science degree in Mining Engineering from UMR in 1943. He also attended the University of Tulsa,

Colorado School of Mines, the University of Notre Dame and U. S. Navy Midshipmen School. He was a commissioned officer with the Navy during World War II. He has lived and worked in most oil-producing areas in the United States, Europe, Africa and the Middle East. He is retired from Dow Chemical Co., where he was a district manager for the Dobell Division and a technical manager for Dow Chemical in Europe. He is a member of the Society of Petroleum Engineers and other professional groups, and has served as President of the MSM-UMR Alumni Association's Houston Section and class coordinator for the class of 1943.

Honorary Life Membership in the Alumni Association, presented in appreciation of service to the campus and the association, was awarded to:

—Donald G. Brackhahn of Rolla, Executive Vice President of the MSM-UMR Alumni Association and Executive Director of Alumni and Constituent Relations at UMR. Brackhahn holds Bachelor of Arts and Master of Arts degrees in History from the University of Missouri-Kansas City. He taught Social Sciences and served as Athletic Director for the Kansas City Public School System for six years. In 1966, he became Alumni Director of UMKC and was appointed Director of Development and Alumni Relations at UMKC in 1970. He became Executive Director of Alumni and Constituent Relations at UMR in 1985 and was appointed Executive Vice President of the Alumni Association in 1992. Brackhahn is a member of several professional and civic organizations and in 1990 received the University of Missouri Presidential Citation for Alumni Service.

The Outstanding Student Advisor Award, presented to student advisors for their efforts in helping students for their efforts in helping students with academic and career decisions, was awarded to:

—Dr. Wayne C. Cogell of Rolla, Associate Dean of the UMR College of Arts and Sciences and Chairman of the Philosophy and Liberal Arts Department. Cogell also holds Bachelor's

and Master's degrees in Philosophy from the University of Missouri-Columbia. He began teaching Philosophy at UMR in 1967. Cogell became Associated Dean of the College of Arts and Sciences and Director of the General Honors Program in 1980. He was appointed professor of Philosophy and Director of the Missouri London Program in 1983. His professional and civic memberships include the American Philosophical Association and the Rolla Youth 2000 Committee.

—Dr. Harry J. Eisenman of Rolla, professor of History at UMR. Eisenman received a Bachelor of Science degree in Engineering Science and a Master of Arts degree in History of Science and Technology from Case Western Reserve University in 1962 and 1964. He received his Ph. D. from Case Western Reserve in 1967. Eisenman has served as chairman of UMR's History and Political Science Department and is the department's primary freshman advisor. He is a member of several professional organizations, including the History of Science Society and the Society for the History of Technology.

—John B. Kincaid of Rolla, lecturer of Civil Engineering at UMR. Kincaid received his Bachelor of Science and Master of Science degree from UMR in 1961 and 1972. He retired as a Lieutenant Colonel with the U. S. Army Corps of Engineers in 1973. He joined the UMR Civil Engineering faculty as a lecturer in 1982. Kincaid is a member of the American Society of Civil Engineers and other professional organizations.

—Dr. Jerry C. Tien of Rolla, assistant professor of Mining Engineering at UMR. Tien earned his Bachelor of Science degree in Mining Engineering in Taiwan. He holds a Master's degree from Michigan Technology University and a Ph. D. from UMR, where he has been a lecturer since 1985. Prior to that time, he worked with Peabody Coal Co. and White Pine Cooper Co. He also was a fellow for the Mineral Availability Field Office of the U. S. Bureau of Mines in Denver and a training expert for the United Nations Development Program in Beijing,

China. He is a member of the Society of Mining Engineers, the American Institute of Mining and the National Society of Professional Engineers.

The Alumni Excellence in Teaching Award was awarded to:

—Dr. Ralph E. Flori of Rolla, an assistant professor of Basic Engineering at UMR. Flori received his Bachelor's, Master's and Ph. D. degrees in Petroleum Engineering from UMR in 1979, 1981 and 1987, respectively. He has worked in the petroleum industry, has performed Geological Engineering work and has worked in the research and development of ceramic superconducting filaments and other composite materials. Flori became an Assistant Professor at UMR in 1990 and has received an Outstanding Teaching Award during each of his three years at UMR. He has developed computer-based instruction models for his dynamic classes and has served as Chairman of the New Engineering Educators Committee of the American Society for Engineering Education.

The Outstanding Staff Member Award was awarded to:

—Linda Martin of Rolla, Student Services Coordinator in the UMR Division of Student Affairs. Martin holds a Bachelor's Degree from Central Missouri State University. She joined UMR in 1986 as Student Services Advisor and was promoted to her current position in 1989. Martin also serves as chair of the UMR Parents Day Committee and the Student Affairs Committee. She is an equality aide and a member of the Publications Committee. She is an honorary member of the Blue Key fraternity and an honorary Knight of St. Patrick.

—Collen Kapeller of Rolla, a clerk typist II in the UMR Student Council Office. Kapeller joined UMR as a temporary employee in August 1992, then became a permanent employee in the Student Council Office in October 1992. Before returning to permanent employment, she served as a volunteer in the public schools for many years. She now devotes her spare time to raising her three children.

from page 18

## kid

No more than three (3) essays per college, university or campus will be considered in any one test year. Only one (1) essay per individual student will be accepted. The Foundation will consider the first three qualified essays received from an institution. For the purposes of this contest, a college is defined as a free-standing, accredited institution with governance structure that includes a duly established Board of Trustees. It is an institution within a university structure, e.g., College of Liberal Arts, Business School, etc. However, a campus is understood to be a branch of a accredited college or university. Students are asked to keep copies of their manuscripts as no

materials will be returned.

Mail essays to:

The Elie Wiesel Prize in Ethics  
The Elie Wiesel Foundation for Humanity  
1177 Avenue of the Americas, 36th Floor  
New York, NY 10036

### CRITERIA FOR EVALUATION:

How well does the writer identify, define and analyze an ethical question, issue or dilemma? Does the writer relate ethical principles to specific issues creatively and effectively? Is the writer

well-informed and is the essay well-reasoned? Does the writer observe the common rules of grammar and rhetoric?

### PRIZES:

First Prize, \$5,000, Second Prize, \$2,500, third Prize, \$1,500, and two Honorable Mentions, \$500 each. A distinguished panel of judges will evaluate contest entries and determine the five prize winners. The decision of the judges is final. Winners will be notified by mail in April, 1994. No essay may be submitted elsewhere until after the awards have been announced.

### RIGHTS OF PUBLICATION:

The Elie Wiesel Foundation for Humanity reserves the right to publish the winning essays, in whole or in part. These essays may not be published elsewhere without written permission.

### THE ELIE WIESEL FOUNDATION FOR HUMANITY:

Nobel Peace Prize recipient and Boston University Professor Elie Wiesel has worked on behalf of oppressed people for much of his adult life. His first-hand witnessing of the Holocaust

has led him to use his talents as an author, teacher and storyteller to defend human rights and peace throughout the world.

Three months after receiving the Nobel Peace Prize, Wiesel established The Elie Wiesel Foundation for Humanity. Its mission is to advance the cause of human rights and peace throughout the world by creating a new forum for the discussion of urgent ethical issues confronting humankind.

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