



05 May 1993

## The Missouri Miner, May 05, 1993

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# Missouri Miner



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

May 5, 1993

Volume 81, Number 26

Twenty Four pages

## UMR STUCO members visit University College of Dublin

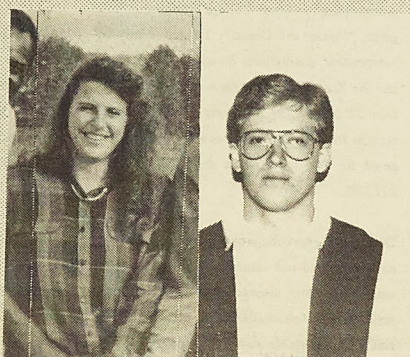


STUCO  
SOURCE

Jennifer McGee and Brad Flauaus were chosen, as UMR student leaders, to participate in the Jefferson-Smurfit Exchange Program. The exchange took place with the University College of Dublin and was sponsored by the Jefferson-Smurfit Corporation. McGee and Flauaus spent one week in Dublin, from April 18-25. Their hosts were two UCD students who visited UMR last semester, Lisa Ryan and Barry

Roche. A busy schedule was kept by the two UMR student over the course of the week, attending lectures and campus tours, as well as visiting another Dublin University, Trinity College.

The University College of Dublin has approximately 13,000 full-time students and 3,000 part-time students. UCD's Engineering School includes Chemical, Mechanical, Electronic, and Agricultural Engineering Departments, but is not the most enrolled of the disciplines.



Brett Saunier

Student Council members Jen McGee and Brad Flauaus visit the UCD in Ireland.

The Arts majors make up the largest percentage of the student enrollment at UCD.

The contact between UMR and UCD was created by Dr. Glen Haddock and John Kelly, UCD Registrar, who serves as a visiting professor in the Chemical Engineering Department at UMR.

The basis of the exchange is mainly student leadership, therefore much of their time was spent learning about the Students' Union Council at UCD. The Students' Union Council is called "the most democratic body at UCD". Council representatives for each class are elected at the beginning of the year and are the

only voting members of the Council, but (as at UMR) every student can attend the meetings and is encouraged to make their voice heard. There are four Sabbatical Officers elected by a college-wide ballot in the spring. They take a year off of school and are full-time employees of the Students' Union. These positions include: President, Education and Information Officer, Welfare Officer, and Entertainments Officer. These officers have specific duties and represent the students' interests on many campus committees. Other services provided by the Students' Union are free counselling, free legal advice, employment information, and general office services.

## Ththththat's all folks!

Well, another semester draw to a close and the **Miner** is still in operation. Yes, it is a minor miracle. Throughout all the controversy and turmoil, we still ignored all of your complaints and snivelings. My gosh, (notice that I did not use the Lord's name in vain) people, does anybody have a spine anymore let alone a sense of humor!!! A few complaints come in, and I stress a few, and next thing you know, people are expecting us to give our first born children to repent for all of our outlandish and satanic deeds. Give me a break.

O.K. I don't like homosexuality. Yes I am a male. No I don't believe I need to apologize for it. Yes, I believe everyone is created equal. Some just turn out better than others. No, I am not one of those. I have no self-esteem, no respect for myself and others. Hell folks, I'm the Editor-in-Chief of a crummy newspaper at a school of a bunch of apathetic nerd engineers. Yes, I am stereotyping everyone on this campus. Sorry about that.

If you haven't guessed it by now I am graduating and I don't really care anymore. Some people refer to this syndrome as senioritis. Well, I have had this common disorder since I came here. I guess you could call me a lost

cause (although I imagine by now you would like to call me something a bit worse.)

All in all, this has been a fun year. I hope that everyone found us entertaining if not always informative. Personally, I received lots of good comments about the paper, but then again those people could just have been showing common courtesy. Well, it doesn't really matter because I liked what we have done and really that is all that matters.

One bright spot is that you don't have to put up with me or any of the views that I have passed onto the paper. Of course, those who will run this great literary masterpiece probably will offend you even more. Worse yet, they'll probably gloat all year long instead of just at the end like I am doing.

On a serious note, I would like to thank all of our readers for putting up with us and for the comments that they have made. I would like to wish the new staff good luck. A long time member of our staff will be leaving the paper, yes Dan, you will be missed. Especially by Nick from Denver!

Dennis Miller said it best, "and I am outa here!!"

Tom Brown  
E.I.C.

## Student curator to be chosen for UMR



News Services  
SOURCE

The Board of Curators is the governing body of the four University of Missouri campuses and consists of nine persons appointed by the governor. For the past seven years, a UMR student representative has been allowed to sit on the Board of Curators.

By state law, the student curator shall attend all meetings and participate in all deliberations of the board (except closed meetings), but does not have the right to vote on any matter before the board. The term of the student representative to the Board of Curators is two full years and rotates from each of the four UMR campuses. Beginning January 1, 1994, the position shall be held by a student from UMR.

The requirements of becoming Student Curator include:

\* must be a Missouri resident,

\* must be enrolled full-time as a student of UMR.

As Student Curator, one must attend all regularly called meetings of the board and keep contact with the student governments of the other three UMR campuses, as well as work closely with Student Council at UMR.

The selection of the Student Curator from UMR will be made this fall. More information will be posted in September and applications should be available in October. If you are interested or would like more information, please call the Student Council Office at 341-4280.

## Research in artificial Intelligence at UMR



News Services  
SOURCE

Rolla, Mo — The University of Missouri-Rolla is using artificial intelligence to help the American Automobile Association keep more drivers in its clubs.

Researchers at UMR's Intelligent

Systems Center are working with eight AAA clubs, including the AAA-Auto Club of Missouri, to create a method to identify those members most likely to let their memberships expire. The researchers are striving for 75 percent accuracy with the system, which combines traditional statistical analysis techniques with newer artificial intelligence technologies like expert systems and artificial neural networks.

"We're analyzing those factors which cause people to leave the auto clubs to determine what proactive strategies the auto clubs can use to keep them as members," says Dr. Colin O. Benjamin, associate professor of engineering management at UMR and the principal investigator of the project.

see Artificial, page 10



# What's Up at UMR

## Wednesday

SUB BBQ at the Hockey Puck

2:30 pm StuCo Lawyer/Walnut

6:00 pm Spelunkers Club/204 McNutt Randy @341-7330

6:00 pm Eta Kappa Nu Meeting/103 EE

6:00 pm Spelunkers Club Meeting/204 McNutt

6:15 pm Blue Key Meeting/216 ME

6:30 pm InterFraternity Council Rush Chairman Mtg./211 McN

7:00 pm Alpha Chi Sigma Meeting/G-3 ChemEng

7:00 pm College Republicans/204 H.S.S.

7:00 pm Eta Kappa Nu Help Session/213 EE

7:30 pm Tau Beta Sigma Meeting/139 ChemEng

8:00 pm Kappa Kappa Psi Meeting

9:00 pm Newman Mass

## Thursday

7:00 pm UMR ARC last thursday of the Month / NW. Corner of the Basement of the Rolla Bldg. Talkin—145.45 MHZ, 443.285 MHZ, 1284.6 MHZ

8:00 am University of Missouri Board of Curators meeting/UMR Centennial Hall

noon-1:00 pm UMR Performing Arts Seminar, Carroll Proctor, "Background on Felix Mendelssohn's 'Elijah,'" Room 138, Castleman Hall. Admission is free and open to the public.

12:30 pm Newman Scripture

1:30 pm Adult Children of Alcoholics Mtg./201 Norwood

6:30 pm BSU Worship

6:30 pm Hang Gliding Club Meeting

6:30 pm Down To Earth Meeting/210 McNutt

7:30 pm Lutheran Bible Class

8:00 pm St. Pat's Committee

8:00 pm SUB Presents: Mark Pittman Hypnotist/104 ME

9:30 pm Juggling Club at Miner Rec.

## Friday

SUB Movie: Dracula/104 ME

UMR Performing Arts Series presents Orion String Quartet, 8 p.m., Leach Theatre, Castleman Hall. Admission for UMR students is free with ticket. Public seating is \$12 for adults and \$7 for youths 18 and under. For more information call 341-4219.

1:30 pm Muslim Student Assoc.

3:00 pm Gaming Association Gaming Session/139 ChemEng

6:00 pm InterVarsity Christian Fellowship Meeting/Maramec

7:00 pm Show-Me Anime/212 McNutt

8:00 pm CPAS: Orion String Quartet

## Saturday

SUB Movie: Dracula/104 ME

## Sunday

MOTHER'S DAY

6:00 pm Newman BBQ

UMR Choir and Orchestra will perform spring concert, Felix Mendelssohn's "Elijah," 2:00 pm., Leach Theatre, Castleman Hall. Admission is free. For more information call 341-4185.

## Monday

FINALS

7:00 pm Alcoholics Anonymous Mtg./Walnut

## Tuesday

FINALS

University Orators Chapter of Toastmasters International open house, noon, Missouri Room, University Center-East. The public is invited to attend. For more information contact Carol Kiehl at 341-4328.

2:30 pm StuCo Lawyer/Walnut

9:30 pm Juggling Club at Miner Rec.

## Next Wednesday

FINALS

## Noday

Need to do something to relieve some stress? Want to learn how to shoot a gun safely? Come join the UMR Trap and Skeet Club in T-2 (the white building behind the library) at 3:30 every Friday and see what we're all about. You don't have to have your own gun. Call Jeffrey W. Spencer at 341-8420 or Jim David at 364-5684 for

more information. Everyone welcome!

Summer Employment: Indian Springs Lodge is now taking applications for summer employment, located approximately 30 minutes from Rolla. Various positions available, such as canoe and raft work, grounds, housekeeping, store staff, etc... A season commitment from mid-May through Labor Day is required and reliable transportation a must. Possible camper-cabin style lodging may be available to a few. Call for application at 800-392-1110.

## Financial Aid

CLEVELAND, OH. April 1, 1993 —The Kirby Company — manufacturer of home care system is continuing its annual College Scholarship Program, "Makin' the Grade." Funded jointly by independent distributors, divisional supervisors and the Kirby Company, the scholarships range from \$250 to \$1,250. Last year over 600 college recruits from the United States and Canada competed for 108 scholarships and received over \$72,000.

Designed to give college students a realistic alternative to dead-end summer jobs, the program emphasizes time management, communication skills, and professionalism in an actual business setting. Participants work as full-time and part-time independent Kirby dealers during June, July and August, competing for monthly scholarships based on sales performance.

According to Greg Koenig, director of sales administration, "Makin' the Grade" participants not only earn money for tuition, but overcome the dilemma of finding a meaningful career opportunity without previous business experience. "Kirby distributors provide these students with a direct route to a good career opportunity. Recruits bypass the challenge most students face — obtaining a worthwhile summer opportunity without 'real world' work experience under their belts."

For more information, contact your local authorized Kirby distributor or call (216) 228-2400 or write The Kirby Company, 1920 West 114th Street, Cleveland, OH 44102-2391.

**THE RETIRED OFFICERS ASSOCIATION (TROA) FORT LEONARD WOOD CHAPTER OFFERS SCHOLARSHIP PROGRAM FOR 1993 IN THE AMOUNT OF \$500 ELIGIBILITY:**

- \* Undergraduate or graduate students
  - \* Must be military officer or dependent of the same
  - \* Must be recommended by a FLW TROA Chapter member
  - \* High school and UMR transcript required
  - \* Must be at least a half-time student
- See Cpt White, 310 Harris Hall, for details and application forms,  
Application Deadline: June 30, 1993

**THE JOHN P. EAGER EDUCATION TRUST FUND SCHOLARSHIP**

This scholarship is to honor John P. Eager, he was a pioneer in the development of modern micro-

film technology as applied by business.

The Eager Scholarship is a minimum 2,500-word essay contest with a \$5,000 prize. The essay topic, chosen each year on an aspect of the field of information and image management, requires significant commitment on the part of the student to research and write. A minimum grade point average of 3.0 is required, and there are some limitations in the range of a college major. Otherwise, the contest is open to full-time students, from high school seniors to college. The scholarship recipient is honored at the Annual AIIM Banquet. For more information on the John P. Eager Scholarship, contact Maureen Heffernan, Manger, Chapter Relations at AIIM headquarters, 1100 Wyne Avenue, Suite 1100, Silver Spring, Maryland 20910, 301/587-8208 FAX 301/587-2711.

**SHARMSHER PRAKASH RESEARCH AWARD**

Shamsher Prakash Foundation announces the 1992 "S.P. RESERACH AWARD" for young\* scientists and research workers from all over the world. Applications/nominations are solicited so as to reach the Honorary Secretary on or before June 30, 1993.

The applicant should be a specialist in Geotechnical Engineering and/or Geotechnical Earthquake Engineering. It is particularly neces-

sary that candidates have significant independent contributions and show promise of excellence.

The amount of the award is US \$1001 (Indian Rs 30,000 app.) payable in the local currency of the awardee. The application/nomination may be made on a plain paper and the following information must be included:

1. Name of the candidate
  2. Complete postal address and telephone/fax number
  3. Date of birth
  4. Chronology of education
  5. Chronology of jobs held
  6. Area of specialization
  7. Complete list of refereed publications in journals. (Please enclose at least 5 significant publications.)
  8. Statement of processes developed and patents if any.
  9. A statement of 500 words of the significant contributions in the past five years and potential of future contributions (on a separate sheet).
  10. Any other relevant information.
- All applications and nominations will be re-

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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Oh yes,  
 we do recycle!  
 Please do the same!



# Opinions

## The demonizing of white men

*This article is a reprint of John Leo's Article in U.S. News and World Report.*

Attention, men of the Caucasoid persuasion. Have you made a terrible mistake by being born white males? Consider these recent items from the press:

A New York weekly newspaper fired a columnist because a higher-up decreed that the paper "should begin getting rid of these middle-aged white men." (Sexism, ageism, racism.) A group called Women, Men and Media honored a black female columnist for her assaults on "the male and pale" media powers. (Casual racism, melanistic feminism.) The catalog for the biennial art show at New York's Whitney Museum suggests that whiteness is a "notion" or "fallacy." (logically stupefying artistic racism.) And *Newsweek* published a strange and jeering cover story on white males. (Sexism, racism, institutional sophomoricism.)

What is going on here? Simple. Like guerrillas moving down from the hills to attack the cities, the race-and-gender people are no longer just sniping from marginal positions on campus and in the art world. With the aid of an ever-credulous press corps, they are now pumping their doctrine into the general culture. That doctrine is

that America will increasingly be divided by a truculent tribalism, with nonwhites and white women ganging up in a grand alliance to wrest power from white males.

There several things to say about this.

\* It's really indefensible. It's wrong to attack or fire people because of race and gender, even if they happen to be white guys. And no one who is serious about social justice in America thinks it's a good idea to divide up teams by skin color or gender and set them against one another.

\* It's dangerous. At a time of high racial tensions and high immigration, it is distinctly unwise to keep telling native-born whites that nonwhites and immigrants are a unified bloc that's about to take over. In the 19th century, crazies of the right strummed this theme and touched off the atrocities of the anti-immigrant Nativist movement. Why does it make sense for the crazies of the left to strum it now? At the very least, this strategy risks the rise of an angry popular movement to shut down immigration and programs that primarily benefit nonwhites. Does anybody remember the David Duke scare?

\* The idea that the white women of America will join an alliance to bring sown white men is so hilarious that it

could only have been thought up on a university campus. In the academic world, women are viewed as a separate power group abused by a relentlessly raped-minded and harassing oppressor. In the real world, most women marry men. Let's assume that most women want equality, good jobs and families, not front-line action in a war to topple their husbands, brothers and sons.

\* The race-and-gender people are basically using a Marxist analysis of society, with the role of capitalist oppressor now played by the white male. This is a weird distortion that forces believers to argue that all white males are privileged, even ones who clearly aren't. I would hate to be the race-and-gender special agent dispatched to Appalachia to explain how socially powerful white males are, or to explain to Bill Cosby or Colin Powell how oppressed he is. With a grim Marxist analysis that has mutated into an attack on white males, the race-and-gender people are constantly confusing capitalism, corporate culture and white maleness.

\* There is no grand alliance of nonwhites against white men. Amitai Etzioni, sociologist and author of "The Spirit of Community," calls this alliance

See Discrimination, page 18

## Conservatives's Corner

Environmentalism seems to be the hip thing today. You can't turn on the TV or radio without being inundated by "public service" message about saving the planet. Recycling has become a veritable religion, with McDonald's and Wal-Mart trying to cash in by touting their recycled bags. So what's wrong with all this, you say? Isn't saving the planet a worthy cause?

The problem is that the planet does not really need saving. Certainly, pollution and waste disposal are problems. But the "environmental" movement is not really trying to solve these problems; it is trying to use the environment as a Trojan Horse to gain greater political and economic control over this country and the rest of the Western World. Put bluntly: the environment has replaced socialism as the holy crusade of the political left.

As with socialism, the environmental lefties are prepared to use any kind of unscrupulous scare tactic in their cause. The goal is to create an atmosphere of crisis in which massive government intervention is the only answer. To this end, the environmentalists (who include in their ranks certain ideologically motivated scientists, such as Paul Ehrlich) perpetrate scare stories, which are dutifully spread by a sympathetic media.

If the media were really as hard-nosed and skeptical as it likes to claim, none of these scare stories would make it far. If nothing else, the miserable forecasting record of the eco-nuts would utterly discredit them. Back in 70's they were predicting that the world would run out of food, oil, and basic industrial metals by 1985; today food production is outstripping population and known oil and mineral reserves are the highest in history.

Which suggests that current predictions of eco-catastrophe should be taken with more than a grain of salt. The predictions of Global Warming, for example, seem to overlook the fact that the average world temperature has been falling since 1945, despite massive increases in carbon-dioxide emissions.

The "environmentalists" aren't just bad fortune tellers. They make constant and unapologetic mistakes on smaller-scale issues. Remember the media are beginning to admit that no one — NO ONE — has suffered any health effects from dioxin. How about the big scare over Alar on apples? That one got coverage from 60 Minutes, among other places. Turns out there was no risk at all.

Yet the same quacks who spread these false stories are busy turning out new ones, and the media keeps repeating them, and new laws and regulations continue to spread the tentacles of government into more and more corners of our lives. And this, of course, is the ultimate goal of the "environmentalists." They want the power to reshape the world, whether or not we need or desire it. And as long as we keep letting ourselves be suckered by their scare tactics, they will be winning.

## In response to: " Does the Planet really need to be saved?"

Usually while flipping through the Miner I read over the "Conservative's Corner" just for a couple of laughs at the extremes to which people can go. I consider myself to be a semi-conservative- I like the conservative's values, but I'm not afraid of change; however, I rarely see eye-to-eye with the author of this column. In spite of my usual lackadaisical attitude towards this column, after last weeks trashing of environmentalism I actually got angry enough to write this rebuttal.

The author of this article claims that "the earth does not really need saving." This by implication can be taken to mean that the earth does indeed need saving, although it may not be in grave

danger at the moment. This is in essence a statement that I would agree with. The author then goes on to claim that the Political Left is the sole participant and founder of the environmental crusade. At this point the author is confusing a great many moderates and conservatives with the true Political Left; the originators of such ideas as equal rights for homosexuals, legalized narcotics, etc., with the common farmer (by and large a conservative) who took to heart one very simple fact — the earth only gives as much as is put into it.

Global warming is inevitable if we continue to add enormous of carbon dioxide to the atmosphere. The increased carbon dioxide content will result in an increasingly prevalent greenhouse effect. This has been proven. However one possibility explaining why we are not presently noticing this effect is that the earth may be experiencing a general climatic downturn, perhaps moving towards another Ice Age. Another problem we have caused and must contend with is the depletion of the ozone layer by fluorocarbons and other manmade chemicals. If we cannot stop this we may all end up with a permanent case of

sunburn. Finally, perhaps no person has suffered any ill effects due to dioxin, this is because Times Beach was promptly evacuated and of course no experiments to test its effects are allowed to be performed on humans, unless you want to volunteer. It is known that dioxin causes cancer in mice and rats. The Material Safety Data Sheet for dioxin clearly states that it is a carcinogen, brain degenerative, and can cause damage to the kidneys, liver, and respiratory system. This sheet of paper - one of you "tentacles of government" - is a valuable document intended to keep people such as yourself from screwing up what's left of our planet. Personally, I as a backpacker and an 'environmentalist' like our planet the way it is and I do not want my heirs to end up living on a piece of ill-used, worn-out rock that just happens to be floating through space carrying the name "Planet Earth."

In conclusion, you consistently use the phrase "scare tactics." These are exactly the tactics that you are using in your article. They are mostly half-truths and factual-sounding bits of opinion intended to influence readers to take up your opinion. Here is my form of scare tactics. Since you seem to take that the Times Beaches was a hoax, I suggest we send you on a one way, all expenses paid vacation to the aforementioned ghost town. It would be a valuable scientific experiment proving the toxicity of dioxin to humans, and it would be quite interesting to observe how your opinions might change when you eventually became plagued by various forms of cancer and/or other deadly diseases.

Sincerely,  
Steve S.

## Changing your perspective

Last week, James Barnes wrote an article stating that the Bible is simply an anthology of ancient literature. As a Christian, I think I can safely say that Christians and non-Christians have differing views on the Bible. Most Christians regard the Bible as a source of promise and instruction for everyday life. Non-christian, on the other hand, often regard the Bible as a set of books on the same level as Beowulf or one of Shakespeare's plays. This article was definitely written from the latter point of view.

Mr. Barnes is obviously well-read in at least the First part of the Old Testament. I would encourage him and those with similar scrutiny. I'd be willing to bet that it would change your perspective on the Bible.



**ATTENTION:**

Are you graduating or leaving UMR in May 1993?

Have you received a federal Perkins or University Long Term Loan?

If you answered yes to both questions, please come to the Student Loan Collections Office, G2 Parker Hall or call 341-4066 or 4190 before leaving campus.



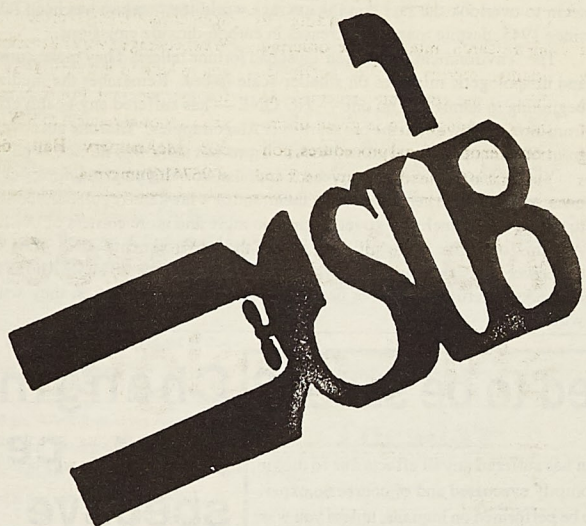
# CASH

FOR YOUR BOOKS

BRING YOUR BOOKS TO:

UMR-BOOKSTORE  
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THURSDAY MAY 6th  
8:30<sup>AM</sup> - 4:00<sup>PM</sup>

BOOKS ARE MONEY - GUARD AGAINST THEFT  
WE BUY THE LARGEST RANGE OF BOOKS-HARD OR SOFT BOUND



ANNUAL  
END OF THE  
YEAR

WEDNESDAY MAY 5th **BBQ**

@ THE HOCKEY PUCK

**BEST OF ALL, IT'S FREE!!!!!!**

**FROM 11:00 TIL THE FOOD IS GONE!!**



# Features

## Bookstore prices are fair and legal



### SWARM SOURCE

For the past three months, STUDENTS WORKING TOWARDS IMPROVING UMR (SWARM), has been thoroughly investigating the UMR Bookstore to determine whether or not they operate with the students' best interest in mind. This research is a direct result of SWARM's public surveys of the UMR student body. The survey polled the students to determine the problem areas on this campus. Overwhelmingly, the UMR bookstore seemed to be one of the larger concerns on the minds of UMR students.

The students believe the bookstore is overcharging on the merchandise they sell and, even worse, they are knowingly getting away with such tactics because they are the sole bookstore available to the students. To determine if these students accusations are legitimate, SWARM had to

accumulate information in the following areas: new book prices, corporate chain operations, binding UMR contracts, pricing on non-textbooks, campus environment, and current buy-back procedures.

In specific, SWARM's overall objective was to determine, from the research in the stated areas, whether or not a student was getting the same value for his/her money with respect to the bookstore compared with students at other universities. In the paragraphs to follow, SWARM documented a few of their findings.

NEW BOOK PRICES was a large focal point for our group because students were concerned about profit margins all-around. First, we worked with the UMR Bookstore Manager,

Leland Chrisco, and university administrators to conduct a Price Survey which hadn't been conducted since the Fall of 1990. This survey polled various corporate and independent stores

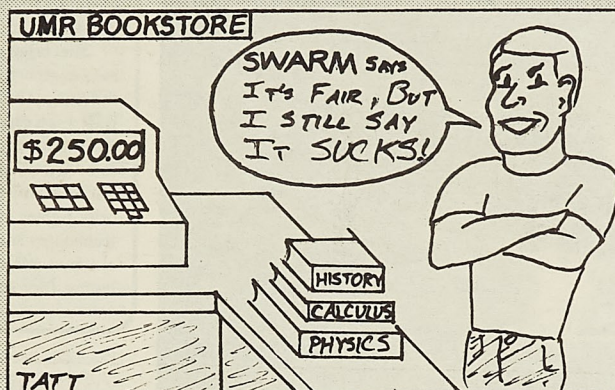
visited bookstores and used contacts throughout Missouri and the adjoining states to perform the same enquiries. As determined from our research, the prices placed on new books here at UMR are fair.

B A R - NES & NOBLE as a corporate distributor was a topic that had to be investigated to observe how much control, if any, management had in changing the services offered here at the bookstore. According to

our research, much of the ordering, pricing, reports, etc. is conducted through the corporate structure. Although management is given discretion over operational procedures, policies that affect textbook buy-back and

other key issues are handled through corporate. As one of their corporate stores, the UMR Bookstore ranks high in productivity and service. Also, they have received praises from UMR administration officials for their progress over the years.

ENVIRONMENT is definitely the area which needs the greatest improvement. Other than the professionalism that the UMR Bookstore has brought to the campus, there have been significant lapses in efforts to keep students well informed. This is one of the factors leading into the 81% negative response toward fairness behind new textbook prices. The main reason of poor perception of the bookstore is because of the lack of public relations on the part of management and UMR representatives. We encourage every interested citizen to look to the several avenues for improvement. For final results, send a formal request to: SWARM, 303 McAnernery Hall, or, to s096741@umrvma.



to price the same books used here at UMR. The results of the survey showed, that, for almost every store polled, the bookstore was either lower or equal to the new book prices. Along with this survey, SWARM members

## Music, music, music Wanted: sweatshirt designs



### News Services SOURCE

The University of Missouri-Rolla performing arts program is sponsoring a discussion on Felix Mendelssohn's "Elijah" at noon Thursday, May 6, in Room 138 of Castleman Hall.

Dr. Carroll Proctor, a retired professor of music from Simpson College in Indianola, Iowa, will lead the discussion on "Elijah," which Mendelssohn composed in 1846. "Elijah" is based on the biblical account of the prophet as told in 1 Kings.

Proctor will portray Elijah in the University Choir and Orchestra's performance of the work at 2 p. m. Sunday, May 9, in Leach Theatre of Castleman Hall.

For more information about the concert or the discussion contact Joel Kramme, assistant professor of music and director of the choir and orchestra, at (314) 341-4109.

The University of Missouri-Rolla Symphonic Band will perform in concert at 3 p. m. Sunday, May 2, in Leach Theatre of UMR's Castleman Hall, 10th and Main streets.

The concert is free and open to the public. Following the performance will be a reception, where friends of the band will be honored.

This will be the last concert directed by Patricia Childress, UMR lecturer of music. Childress is leaving UMR to pursue doctoral studies in instrumental studies at The Ohio State University.

A variety of selections will be performed by the band, including "A Festival Prelude," by Alfred Reed; "Shoutin' Liza Trombone," by Henry Fillmore, featuring the trombone section; "They're Off," by Fred Jewell, a gallop played at rodeos; and "Selections from the Phantom of the Opera," arranged by Warren Barker.

For more information on the concert, contact the UMR performing arts program at (314) 341-4185.

The University of Missouri-Rolla Campus Performing Arts Series presents the Orion String Quartet at 8 p. m. Friday, May 7, in Leach Theatre of UMR's Castleman Hall, 10th and Main streets.

UMR students with a valid student identification may get free tickets. General admission tickets — \$12 for adults and \$7 for youths 18 and under — go on sale Monday and may be purchased from 8 a. m. to 4:30 p. m. at the UMR ticket window in the University Center-West. For more information call 341-4219.

The Orion String Quartet has performed for audience at the Carnegie Recital Hall, New York's 92nd Street "Y," and the Kennedy Center for the Performing Arts. They also have performed in Italy and Austria.

Members of the quartet — brother Daniel and Todd Phillips, who share the quartet's violinists roles equally, violist Catherine Metz and cellist Timothy Eddy — are all renowned artists who have received acclaim in their individual careers.



### Tom Huffman Staff Writer

With only 316 Daze til the Best Ever, the St. Pats Committee is searching for a design for the 1994 sweatshirts. As an incentive to artists, we are offering \$100 for first place, \$50 for second place, and \$25 for the third place design. This is an opportunity for all of the artists in Rolla to earn some fast cash. All entries are due by September 7, so you have all summer and part of next semester to draw the de-

sign for next years sweatshirt that thousands of people will be wearing. For more information call Scott Preston at 364-9901 or Jeff Lewallen at 364-7176. This is a contest for everyone, so show us your ideas for the best sweatshirts ever!

It is also time to start getting ready for the St. Pats cudgel and float competitions. Houses should begin looking for a tree to carve into the first place cudgel. Cudgels are not only great fun to make, but are worth valuable participation points. Floats are also a great way to rack up St. Pats points. Remember, there are only 316 Daze til the Best ever!!!

## Parking permits for 1993/1994 available now

Students wanting to apply for parking permits for the 1993/94 school year may do so beginning May 3, 1993 at University Police. Permits are sold on a first-come/first-served basis.

Students who currently have a parking permit may renew beginning May 3, 1993 and no later than June 30, 1993.

**CORRECTION:** THE ARTICLE TITLED "THE BIBLE IS SIMPLY A COMPILATION OF DIFFERENT AUTHORS" IN THE APRIL 28 ISSUE WAS MISTAKENLY ATTRIBUTED TO E. T. CLAVIN. THE ACTUAL AUTHOR IS JAMES BARNES.

THANK YOU, FEATURES EDITOR



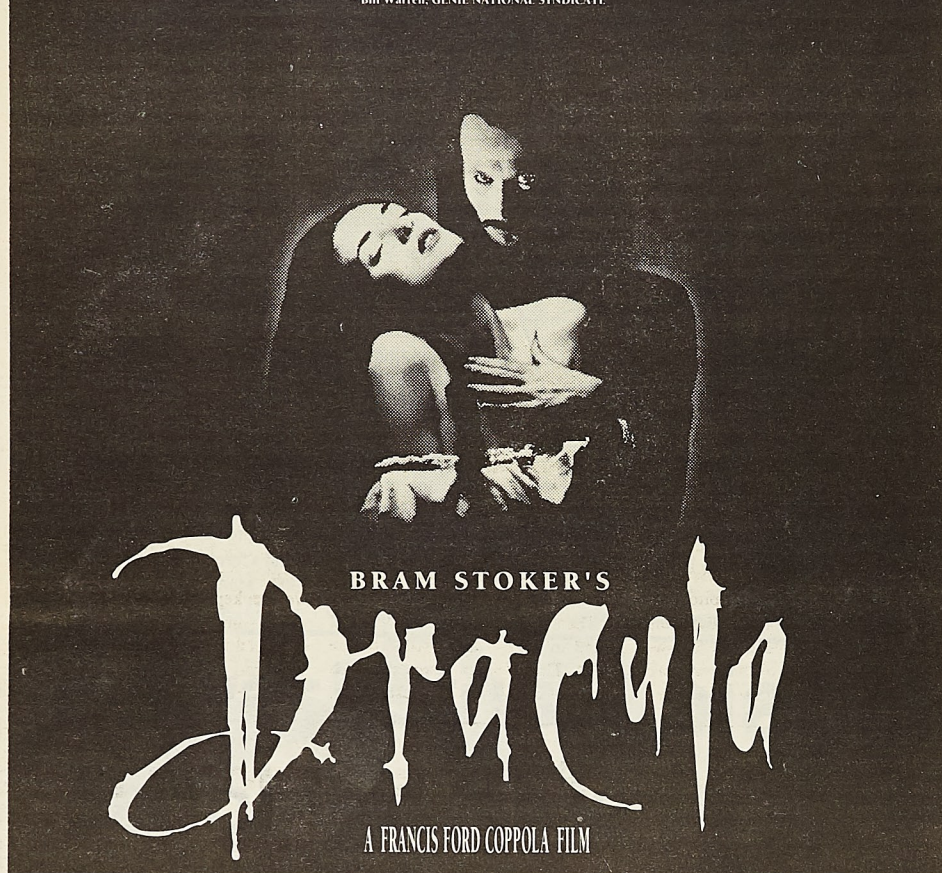
# SUB Movie Review

## A WILDLY ROMANTIC MASTERPIECE!

- Pat Collins, WWOR-TV, NEW YORK

## "ASTONISHINGLY INVENTIVE..."

- Bill Warren, GENIE NATIONAL SYNDICATE



**STARRING:** GARY OLDMAN • WINONA RYDER • ANTHONY HOPKINS • KEANU REEVES • SADIE FROST  
 • RICHARD E. GRANT • CARY ELWES • BILL CAMPBELL • TOM WAITS  
**DIRECTOR:** Francis Ford Coppola **SCREENPLAY:** James V. Hart  
 127 min. • 1992 • Rated R • Columbia Pictures Industries, Inc.

Well this is my last entry for this semester and I am proud to announce that the movie this week is Bram Stoker's Dracula. This is dead week so I thought that a movie about a dead man would sort of be cool. I also actually saw this movie (Unlike Singles or Aladdin as if you haven't noticed) so I can feel very good about making things up about this film. To start off with, I must say that this movie is great! The beginning sequence of Count Dracula's origin is a work of real cinematic art (thank God for the-sauruses!). And the story itself is dark and at the same time fantastic. Don't expect an Passenger 57 or Hellraiser III respectively for that, expect a real twisted sort of love story. And for those perverts in second floor stall number three: Yes you do get to see

some boobs. And don't you expect your average vampire-type movie either. There aren't all those stupid rules that vampires have to obey, so don't be too surprised when: Dracula has shadows and reflections in mirrors, just not quite the way we would. He doesn't have to be invited into a home, he can sneak through key holes. And vampires can venture out into the daylight, they just aren't very powerful. There are lots of other little known things about vamps that really don't come up such as iron stakes are better than wood, turning coffins upside-down so a vamp will dig down at night, and a steak through the heart will not kill a vamp, it will just paralyze it to the spot until the steak is removed. But I digress. This movie is an absolute must for those interested in vampire lore or

those who wanted to know what the original story was like. In fact, this movie is more like the original tale than any other film or show made. I would like to end this article with a cheezy sort of sweet dreams thing because everyone else does it but then I don't want to be like everyone else so I'll instead wish you luck on your finals or something. Have a kick-ass summer!(No, that's high school.) How about: Safety first when driving and having sex! You had better enjoy Bram Stoker's Dracula or I'll quit being the films and video chairman, I can't take that kind of rejection you know. And, as always, bring your student or SUB ID's to enter. Dracula will be shown at 7:00 and 9:00 p.m. on Friday and Saturday at ME104.

## Get ready for the F-22A



**AFROTC  
SOURCE**

Are you excited? The world's hottest aircraft is just a few years away from entering active service in the U.S. Air Force! For those of you (or should I say most of you) who aren't too concerned about the aerospace industry and don't know to what I am referring, it is the F-22A Lightning II.

The original Lightning was a twin-engine fighter which served the Army Air Corps in World War II. It was a nemesis to its opponents and its modern namesake promises to be a deadly combatant as well. The F-22 will be the first air-superiority fighter to incorporate stealth technology and the ability to cruise at supersonic speeds without afterburner (dry supercruise). The F-

22's stealth attributes give it first-look, first-shot, first-kill capacity unheard of since the invention of airborne radar. Its dry supercruise capability will give it an unprecedented point-defense intercept radius. The F-22 has superb low speed handling, thanks to its powerplant (two Pratt & Whitney F119 engines with thrust vectoring capability) and its efficient design. The F-22 is expected to outperform any foreseeable threat within the next several decades.

The F-22 was designed by a consortium including Lockheed, Boeing, and General Dynamics. Delivery to the Air Force will begin as soon as Congress gets around to it, and after further pre-full-scale development research is concluded. Also, a variant called the NF-22 is being studied for use with the U. S. Navy, which now sees a need to upgrade its aging fleet of Tomcats. --Brought to you by Air Force ROTC

## Wesley Foundation's Study Break Activities

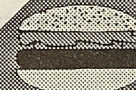
**ICE CREAM  
Social**

Wed, May 5th  
5:45 pm



**FINAL'S  
LUNCH  
BREAK**

Mon, May 10 : PIZZA  
Tues, May 11 : Subs  
11:30 til 1:00



Please call so we  
can plan for you!

Call the Wesley Foundation at  
364-1061 for more information.

# CASH FOR YOUR BOOKS

BRING YOUR BOOKS TO:

**UMR-BOOKSTORE**  
**STARTING**  
**THURSDAY MAY 6th**  
**8:30 AM - 4:00 PM**

BOOKS ARE MONEY - GUARD AGAINST THEFT  
 WE BUY THE LARGEST RANGE OF BOOKS-HARD OR SOFT BOUND.



# Sports

## Miners wrap up season with a 4-16-1 record

Joe Hornburg  
Ass. Sports Editor

This spring turned out to be disappointing to the UMR baseball team. Many rainouts and re-scheduled games made it difficult for the Miners to get on track.

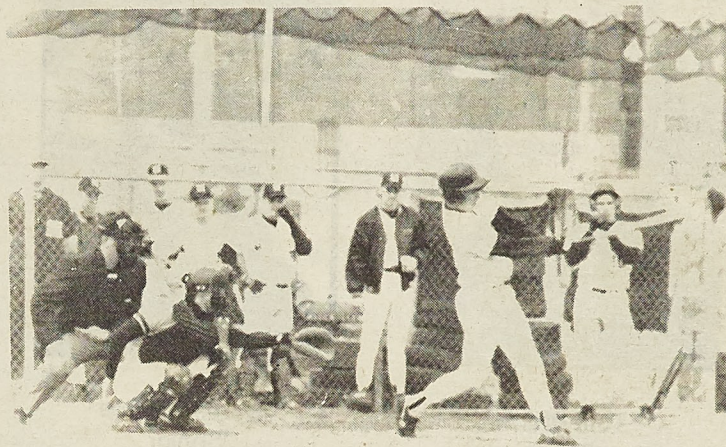
UMR did get in a pair of double-headers to finish out the season. The first one was against Quincy College on April 21st at home. The second doubleheader was the next day, also at home, in a conference match-up with Southwest Baptist.

The Miners took it on the chin against Quincy College. Steve Zoll started the first game for UMR. Quincy had his number getting three consecutive hits and three runs in the 1st inning. Quincy added 1 more in the 2nd and 4 more in the 4th. Meanwhile the Miners were held scoreless until the 5th inning when they got a single by Brett Felton followed by a double by Tom Hasenstab. Felton then scored on a ground out by Gary Hubbard, and Hasenstab crossed the plate on a wild pitch. That cut the score to 8-2 Quincy. UMR could muster only 2 more runs in the game while Quincy tallied up 7 more to make the final 15-4. Starter Steve Zoll picked up the loss for UMR.

The second game started off better than the first. In the second Tom Hasenstab got the hits rolling for UMR with a lead-off double. Then a single by Rastorfer, double by Ryan, and home run Wade produced 5 runs for the Miners. UMR starter Nick Winklemann threw 5 strong innings allowing only 4 runs and giving the Miners a 5-4 lead. The relief pitching could not hold though as Quincy College scored 15 runs off of 4 UMR hurlers in 2 innings of play. The Miners could not come through with any more runs and the final score was 19-8 Quincy College.

After being swept in the double-header UMR's record fell to 4-14-1 overall and 2-8-1 in the MIAA. Also the sweep made it six straight losses for the Miners.

Next for the team was Southwest Baptist who was 17-12, 9-6 MIAA coming into the game. The game turned out to be a pitchers dual. The game was decided, as so many times it is, by errors. Guess who had the errors. UMR did and lost the game 4-1. Jeff Mitchell threw a good game but no run support and the errors cost UMR the victory. Their lone run came in the second when Brett Felton scored on a wild pitch. He reached base with a 1 out single. The loss dropped the



Jason Hanson

A Miner hitter smashing a line drive down the line in some of this years action

Miners to 4-15-1 and 2-9-1 in the MIAA.

In the second game of the day UMR's bats were once again held silent by Southwest Baptist's pitchers. The Miner's managed just one run on five hits and lost the game 8-1. Southwest Baptist scored 7 of their runs off of UMR starter Eric Springs in the first

inning. After the first Springs settled down and allowed only one more run for the rest of the afternoon. UMR scored their run in the 5th on two walks and two fielder's choices.

The loss dropped the Miners final record to 4-16-1 and 2-10-1 in the MIAA. These final two games showed what hurt the Miners all season long.

Poor defense and lack of offense put the team behind all the time, some of which can be attributed to the bad weather throughout the season. The weather kept the Miners from playing many games and practicing indoors most of the time. Hopefully next year will bring warmer weather and hotter bats to the UMR baseball team.

## Off to a good spring for St. Louis sports fans

Christopher Goo  
Sports Editor

One month of the Major League Baseball regular season has been played, and as of Monday, the Cardinals were sitting in second place with a 14-11 record, 4 and 1/2 games back of the red-hot Philadelphia Phillies.

The Cardinals have had solid starting pitching, led by Cuban-defector Rene Arocha (3-0, 1.66 ERA) and Joe Magrane (2-2, 3.24 ERA). Rheal Cormier, Donovan Osborne, and Bob Tewksberry have pitched effectively, and should do better as the season progresses. Arocha is out for two more weeks with a broken finger on his non throwing hand. Omar Olivares, last years opening day pitcher, has filled in well with two quality starts in Arocha's absence. Olivares has the best arm on the Cardinals staff and should be in the starting rotation very soon. If anyone falters in the least, Olivares will be in there.

Relief pitching, specifically Lee Smith, has been dominating. Big Lee has saved 10 of the Cardinals 14 wins in 10 opportunities. He's also striking out one batter per inning and posting a 0.90 ERA. The middle relief was doing an alright job at the beginning of the season, but recent outings has brought back the bad memories of Juan (whiplash) Agosto, and Bob McClure. Les Lancaster and Rob Murphy are lucky to be in the big leagues and are starting to get hit hard. Mike Perez has been inconsistent, but he'll get better.

Pitching and defense win pennants, and the Cardinal's defense has been slumping. Ozzie Smith has committed six errors already, and Todd Zeile has made five. Geronimo Pena and Gregg Jeffries make up the rest of the infield which can be labeled average, at best, for defensive purposes. The outfield and catching is another story. Pagnozzi won the gold glove last year, and is doing a solid job behind the plate this year. Bernard Gilkey, Ray Lankford, and Mark

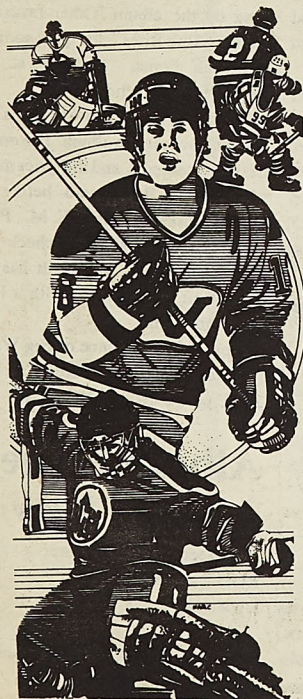
Whiten provide the league's second best defensive outfield, next to Montreal's (Alou, Grissom, and Walker). They should track down plenty of balls in spacious Busch Stadium.

As far as hitting goes, the Cards need some help. Gregg Jeffries and Mark Whiten have been pleasant surprises, but Ray Lankford, Pena, and Pagnozzi have been major disappointments. Ozzie and Zeile have put up solid numbers but the Cards are a punch and judy team. I hate to admit it but it's true.

What is all the fuss about Joe Torre? I hear people singing his praises all the time but I think he sucks big time. His career won-lost percentage is below .500 and he has had some very good teams to manage with. He won only one division title in the early 80's with the explosive Atlanta Braves and the Cardinals had the talent to win last years division but didnt partly because of Torre. In today's baseball, you need to build your team around the stadium you play 81 games in during

the year. The Cards are in huge Busch Stadium with punch and judy hitting and Joe Torre doesn't believe in stealing bases, or using the squeeze. He uses the hit and run with batters behind in the count leaving the runner and hitter vulnerable. They call Joe daring and aggressive, but I call him just down-right dumb. Enough of the soapbox.

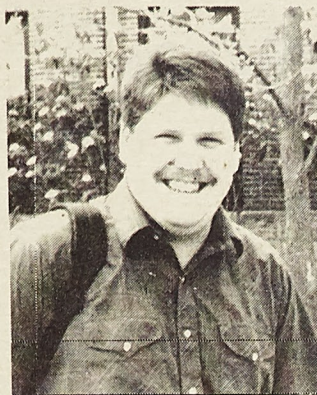
The summer is here and I'll be in Memphis jonesing on baseball. All they got is the AA Memphis Chicks. I'll see you next August though, by then it will be a two team race between the Cardinals and Phillies. Montreal doesn't have the pitching and the Mets are the well, Mets. Good luck to the Blues, as they open the second round of the Stanley Cup playoffs versus the Maple Leafs. Here's my hockey play-off prediction that you can use to make some money instead of calling the mob guy on Channel 48. Blues take Leafs in seven, Canucks take Blues in six, and Pittsburgh takes the Cahucks in six.





## UMR opinions on campus

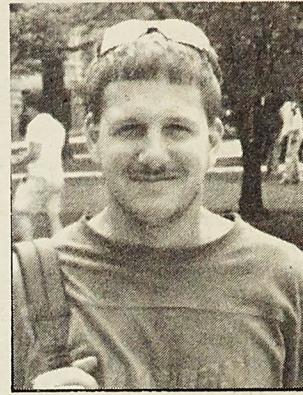
*When asked their favorite use for whipped cream, these students responded:*



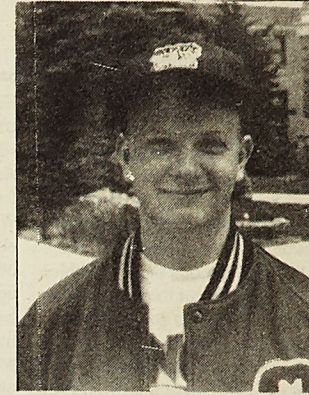
Tom Brown  
Senior  
"There are other uses for  
whipped cream?"



Theresa Pierce  
Senior  
"Rub it all over my  
boyfriends body..."



Adolf Sciubba  
Senior  
"Put it on top of cakes."



Jason Ainsolie  
Senior  
"Body topping."

photos by Brett Saunier  
Interviews by Andy Dooley

## Johns and Mary Big Wheel over Dillon Fence



Captain Goatee  
Staff Writer

Hi kids! It's the guy with a goat on his chin again. This is the last paper of the semester so I thought I'd tie a few things up.

Well, now that Captain Cough Syrup has some ropes on him, he won't be a problem for a bit. That gives me a chance to tell you about what's going on in the music world this summer (that I've heard of).

In the studio will be Toad the Wet Sprocket. Hopefully, Toad will be able to do an album that is theirs rather than some remixed, record company junk. Toad is too good of a band to be ruined by the success.

And yes, Penn Jillete, the loudmouth of Penn and Teller will be recording another album. He has a previous album with a group called Bongos, Bass, and Bob. BBB was a cross between the Dead Milkmen, a beat poet with the bongos, and the Velvet Underground. I can hardly wait!

On a sad note, Elektra has dropped Sara Hickman from its label. She has an album recorded and ready, now all she needs is a record company to put it out. This is really a shame.

Richard Thompson fans are in for a surprise. Hannibal released a three

Half of the collection is reported to be unreleased material. Thompson should also have a new album in the fall produced by Mitchell Froom.

Of course, the big news of the summer is Lollapalooza 93. With acts like Dinosaur Jr. and Arrested Development on the bill, it looks like it's going to be another great show.

I'll be going to the Kerrville Folk Festival in Texas. It's an 18 day open air event where campers take over a whole country side. All you do is eat, sleep, and listen to music, lots of it. (Or if you are a musician you play music, lots of it.) It has spawned acts like Lyle Lovett and the soon to be famous (!) Buddy Mondlock. This is a top folk event and you'd be surprised at how many of the big acts at the festival play the Blue Heron.

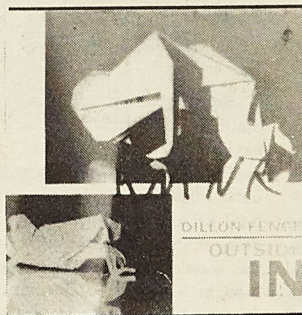
At the end of the article is a list of the 10 goatee albums from this semester, but for now take a gander at the reviews.

### Album Review Dillon Fence

Outside In  
Mammoth Records (1993)  
9 goatees

I just received an advance of the new Dillon Fence album, and let me tell you, I'm impressed. I liked their last album, Rosemary, but I couldn't

candy-pop sound overloaded my circuits after a few listens. But even in small doses, Rosemary had me hooked.



Outside In reveals a band that's matured. The sound is a bit rougher and a lot less sickly sweet, and the songs are still catchy. The band's new direction is aided by producer Lou Giordano (The Pixies, Sugar). Where the songs on Rosemary were so polished that the glare sometimes hurt your eyes, Outside In features a rougher, live sound. Guitarist Kent Alphin commented, "It just came out naturally, like our live show." Now I have to see them live.

### Album Review Big Wheel

Slowtown  
Mammoth Records (1993)  
9 goatees

Mammoth also sent me the new Big Wheel album. I hadn't heard of the band before, but I am really impressed. It's to cliché to say, but Big Wheels really sounds like a cross between R. E. M., Live, and Pearl Jam. (They remind me of Dharma Bums, but I don't think you've heard of them.) Big Wheel features intense and personal lyrics, driving beats, and a sound that sometimes harks back to 70's rock.

Big Wheel is fronted by Peter Searcy. In his teens, Searcy was the leader of an obscure group called Squirrel Bait. I've heard mention of the band, and I don't know what they sounded like. But Searcy is now 25, plays cello and sings, and writes smart music.



Slowtown mixes hard songs and soft songs all through the album. "Lied" is a slower song. It talks about the breakup of a marriage or some other relationship. "Lied" features the cello out front, a mellow guitar hook, and some cold lyrics. The next song on

Slowtown is "Vicious Circle". It is hard hitting, and the guitars are right out of a stadium rock band's repertoire. Thankfully, "Vicious Circle" or the other songs which have big guitar chops don't wear on me. The style is straight forward and simple.

"Lied" is probably my favorite song on the album. Other favorites include "Bug Bites", the quiet song of a broken home, "Daddy's at the Wheel", and "Birthday".

Big Wheel's Slowdown is an instantly accessible album. The music has clout behind it, and the lyrics mean something. Like I said before, if you've worn out your R. E. M., Pearl Jam, and Live albums, check out Slowtown by Big Wheel. It has the best of all three worlds with a little extra thrown in.

(To order Dillon Fence or Big Wheel write to: Mammoth Records, Carr Mill 2nd Floor, Carrboro, NC 27510)

### Album Review John and Mary

The Weedkiller's Daughter  
Rykodisc (1993)  
8 goatees

Are you a fan of 10,000 maniacs? Well, I've got a present for you - John and Mary. John was the bassist, 6 and

see Goatee, page 20



### FINAL EXAMINATION SCHEDULE WINTER 1993

The final examination period will begin Monday, May 10, 1993, at 7:30 a.m., and end at 5:30 p.m., Friday, May 14, 1993. Common finals are scheduled for those courses listed in Section II below. Room assignments for common finals will be announced by the instructors.

The courses not covered in Sections I, II, and III are to be arranged by the instructor in cooperation with the students in that course.

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

II. Common Finals include ALL SECTIONS.

B Eng 50, 150	Monday	1:00-3:00
B Eng 110	Wednesday	7:30-9:30
B Eng 120	Friday	7:30-9:30
CSci 73, 228	Friday	7:30-9:30
EE 63	Thursday	7:30-9:30
EM 160	Tuesday	7:30-9:30
Hist 175, 176	Tuesday	7:30-9:30
Math 8	Monday	1:00-3:00
Math 204	Thursday	7:30-9:30
Math 21, 21H, 22	Wednesday	7:30-9:30
ME 208	Wednesday	7:30-9:30
ME 211	Wednesday	1:00-3:00
ME 219	Friday	7:30-9:30
ME 240, 242	Thursday	7:30-9:30
ME 280	Tuesday	7:30-9:30
Phys 23, 24	Wednesday	1:00-3:00
Pol Sci 90	Tuesday	7:30-9:30

III. Regular Finals  
First Weekly Class  
Meeting Time

		<u>Final Exam Time</u>
Monday 7:30	Thursday 3:30-5:30	
Monday 8:30	Monday 7:30-9:30	
Monday 9:30	Tuesday 1:00-3:00	
Monday 10:30	Wednesday 10:00-12:00	
Monday 11:30	Thursday 1:00-3:00	
Monday 12:30	Friday 10:00-12:00	
Monday 1:30	Tuesday 3:30-5:30	
Monday 2:30	Friday 1:00-3:00	
Tuesday 8:05 or 8:30	Thursday 10:00-12:00	
Tuesday 9:30	Monday 10:00-12:00	
Tuesday 10:30	Monday 3:30-5:30	
Tuesday 11:05 or 11:30	Tuesday 10:00-12:00	
Tuesday 12:30	Friday 3:30-5:30	
Tuesday 1:30 or 2:05	Wednesday 3:30-5:30	

According to the Manual of Information all requests to change the final schedule because of conflicts or having three or more examinations scheduled on one day "are to be made in the Registrar's Office at least one week before the beginning of the final examination week" (Friday, April 30).

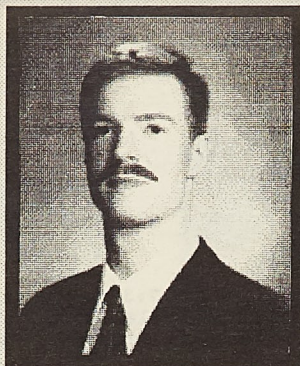


## David Clark wins NSPE scholarship



NSPE  
SOURCE

The National Society of Professional Engineers announced the competition for their annual scholarships in November of 1992. A total of four scholarships with three different categories were available that student engineers could have applied for. The most competitive was the NSPE a/e ProNet Scholarship. This award is based on scholastic achievement, communication skills, management potential, and creativity. Minimum requirements were that the applicant be an undergraduate engineering student and be receiving instruction from



**David Clark won the National Society of Professional Engineers Scholarship for \$2500.**

an ABET accredited institution. Several hundred applications from across the nation were submitted for the a/e ProNet Scholarship alone.

The applications originated from schools such as M.I.T., Stanford and of course UMR. Obviously, some of the best engineering students in the United States were competing for the top honor.

This year's winner is David Clark, an Electrical Engineering major from UMR. Mr. Clark was previously awarded the Missouri Society of Professional Engineers Aux. Scholarship for the 1992/93 school year. Mr. Clark will use his prestigious a/e ProNet Scholarship to finish undergraduate work and begin a graduate program at UMR by dual enrolling either for the fall semester of '93 or the winter semester of '94. The Electrical Engineering Department would like to congratulate Mr. Clark for his accomplishments and wish him fortune in his future endeavors.

## UMR hosts geotechnical engineering conference



News Services  
SOURCE

Rolla, Mo — The University of Missouri-Rolla is hosting "Case Histories in Geotechnical Engineering," an international conference to be held Jun 1-6 in St. Louis.

The conference will feature state-of-the-art presentations by internationally known speakers on the latest developments in geotechnical engineering; special lectures on recent earthquakes; an exhibit of the latest techniques and equipment in the geotechnical engineering field; and proceedings of more than 300 selected papers which were submitted for the conference.

UMR and the National Science Foundation are sponsoring the conference in cooperation with the American Society of Civil Engineers; the Asso-

ciation of Engineering Firms Practicing in the Geosciences; the Center for Earthquake Studies at Southeast Missouri State University, Cape Girardeau; the Association of Engineering Geologists; the Earthquake Engineering Research Institute; the International Society of Soil Mechanics and Foundation Engineering; ISSMFE technical committees on tailing dams and ground improvement, reinforcement and grouting; the International Association of Earthquake Engineering; the Seismological Society of America; and the U.S. Committee on Large Dams.

The conference registration fee of \$685 covers all conference sessions, admission to exhibits, three volumes of hard-bound proceedings, refreshments, continental breakfasts, receptions and a banquet.

To register, contact Continuing Education at the University of Missouri-Rolla, 119 ME Annex, Rolla, Mo 65401, or call UMR Continuing Education at (314)341-4200.

## Audubon Society offers bird identification walk



National  
Audubon  
Society  
SOURCE

The Ozark Rivers Chapter of the National Audubon Society will sponsor a bird identification walk with wildlife artist and naturalist David Plank Sunday, May 16, at 1:30 p.m. at the Missouri Department of Conservation White River Trace Wildlife Area in Dent County.



Carpoolers from the Rolla area may meet at the northeast corner of the Kroger parking lot at 1:00 p.m. To reach White River Trace, turn south off Highway H onto a county gravel road. Watch for the Missouri Department of Conservation sign on the north side of Highway H (east of and approximately 8 miles west of Salem). Take the gravel road south. The bird walk will begin at the first parking area on the right about one-half mile after turning onto the gravel road.

The public is invited to join members for a relaxing Sunday afternoon outdoors. For more information, call Loretta McClure at (324) 729-5532.



## Artificial

from page 1

Larry Hall, director of information systems for the St. Louis-based AAA-Auto Club of Missouri, says auto clubs plan to use the system not only to predict which members are likely to not renew, but also to develop marketing strategies for keeping those members active. The Missouri club also has members in Arkansas and portions of Illinois and Kansas.

A pilot project performed for the Missouri club in 1991 showed the system was accurate 79 percent of the time in predicting the likelihood of a membership lapse. That study was based on membership data from the previous three years.

The project is being funded through a \$115,000 research contract from the eight auto clubs, which represent nearly half of all AAA members.

Based on an analysis of various demographic characteristics of current and lapsed auto club members, the

UMR researchers identified variables that help predict whether members would let their memberships expire. That data in turn was used to "train" an artificial neural network to recognize those traits and decide whether members are at risk of dropping their membership.

Artificial neural networks are computer systems that can recognize patterns in data and learn and solve problems through trial and error, reprogramming themselves based on information they pick up from their environment and experiences.

Unlike most artificial neural network systems, which function autonomously, this network is integrated with an "expert system" that will further assess the probability of a lapse based on a member's "risk profile," which the neural network provides, and the member's usage of AAA products or services.

The auto clubs will use this data to improve their membership retention efforts, Hall says. "We're going to be developing some new marketing strategies for selected members," he says.

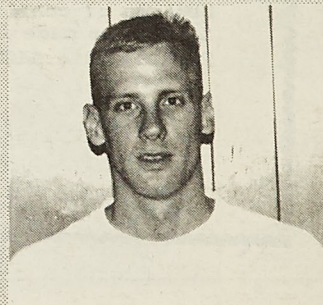
Assisting Benjamin with the project are Dr. S.N. Balakrishnan, UMR associate professor of mechanical and aerospace engineering and engineering mechanics; Dan Medley, assistant director of UMR's Center for Technology Transfer; and Dr. Yolanda Samaranayake, a statistician and consultant to the UMR Intelligent Systems Center. Also assisting are seven graduate students: Tarek Gaber, Maanoo Sivapiromrat and Sheng Chai Chi, doctoral students in engineering management; Norma Baky and Noorkaiah Kolluru, graduate students in computer science; Saleh Al-Sunaidi, a post-doctoral fellow in engineering management; and Anwarudeen Nawaz, a graduate student in engineering management.

## UMR student receives award from American Foundrymen's Society



News  
Services  
SOURCE

Rolla, Mo — Marlin Jiranek of Omaha, Neb., a senior in metallurgical engineering at the University of Missouri-Rolla, has received a \$50 third-place award in the student poster competition sponsored by the American Foundrymen's Society. The contest was held at the Society's 1993 Casting Congress recently in Chicago.



**Marlin Jiranek wins third place in poster competition.**

Jiranek's poster described the changes in microstructure of an aluminum alloy produced by the centrifugal casting process.

According to Dr. Donald R. Askeland, a UMR Distinguished Teaching Professor of metallurgical engineering, the centrifugal casting equipment that Jiranek used in his project was donated to the UMR metallurgy department's metals casting laboratory by Bob Nevins, a 1941 UMR graduate in metallurgical engineering.

Students from about 30 colleges participated in the competition.

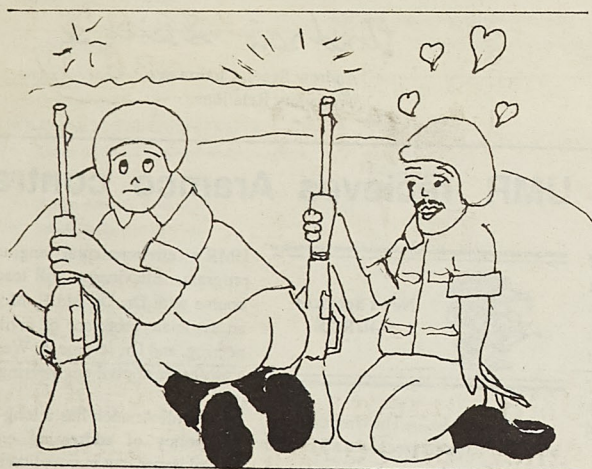


# Looking Back...

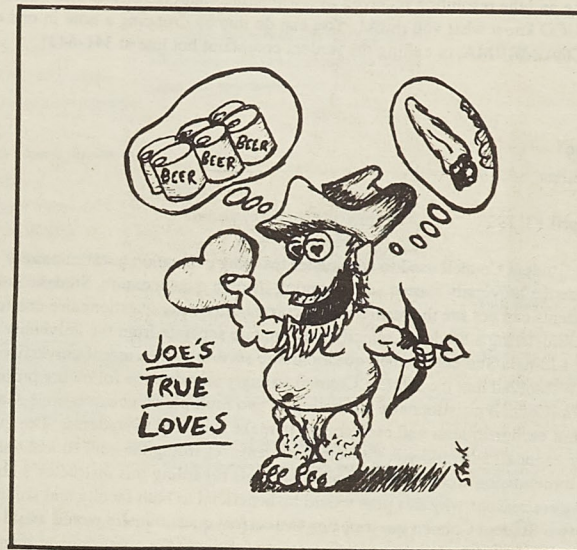
## Clinton's Military



"I thought I told you to watch our rear flank!?!"



"I'm too busy watching MY rear flank!!!"





## New STUCO resolution proposed on teacher evaluations

Last semester Student Council submitted Resolution R9293R9 to the Academic Council (refer to the accompanying copy of the resolution). At that time the review of the resolution was delegated to a committee. At the last meeting of the Academic Council, the committee made a recommendation that the resolution should not be supported. Student Council voted on this matter at the April 13th meeting and the resolution received overwhelming support. Academic Council will vote on the resolution in June. Overwhelming student support of this resolution is crucial to its passage. Let STUCO know what you think! You can do this by dropping a note in one of the suggestion boxes (in front of the bookstore or by the circulation desk in the library), sending E-mail to STUCO@UMRVMA, or calling the student complaint hot line at 341-6421.

Resolution 9293R9  
Teaching Evaluations

Meeting Date: April 13, 1993

WHEREAS: The Student Council used to administer teaching evaluation questionnaires,

WHEREAS: Since the university started administering its own questionnaire, Student Council has been unable to administer a separate questionnaire, and

WHEREAS: Students can not see the results of the current university questionnaire due to privacy reasons involved with tenure decisions, and

WHEREAS: Administering a Student Council questionnaire separate from the university questionnaire would not be feasible with the current university questionnaire in place, and

WHEREAS: By adding a Student Council questionnaire section to the current university questionnaire all of these problems could be solved,

WHEREAS: Be it resolved that the Student Council strongly supports the following proposal, which will be sent to the Academic Council:

A short student Council questionnaire consisting of two multiple choice questions shall be added to the common university questionnaire. Student Council shall be given the results of these two questions from each instructor and each course to make available to students. The questions shall be worded as follows:

1. What recommendation would you give other students regarding the educational value of this course?
2. What recommendation would you give other students regarding this instructor's ability to teach this course?

The following are reasons why this plan would be beneficial to both faculty and students:

1. Including two Student Council questions on the current questionnaire would avoid taking up additional class time by having a separate questionnaire.
2. This would offer a much more systematic way to administer the questionnaire than if the Student Council would administer the questionnaire on their own.
3. Students would take the university questionnaire more seriously if they received some type of feedback from it.
4. There would be no problem adding these two questions to the current university questionnaire because there are already two unused spaces at the bottom of the current form.

Respectfully submitted,

*Andrew Sears*

Andrew Sears, Chairman  
University Relations

## Land surveying review course offered at UMR UMR receives Aramco contract



News Services  
SOURCE

Rolla, Mo. — The 15th Annual Land Surveyors' Review Course will be offered at the University of Missouri-Rolla Aug. 3-6. The course is being sponsored by the Missouri Association of Registered Land Surveyors and Civil Engineering Continuing Education at UMR.

According to Walter Ries, senior coordinator of UMR's Continuing Education Programs, the course will include more than an introduction to surveying. "Participants in this course

should be familiar with or have some knowledge of land surveying," he said.

Participants also should bring a general, comprehensive surveying textbook, specialized textbooks for certain topics, and a calculator.

The fee for the course is \$450 and includes review course notes, 4.4 continuing education units and a certificate of achievement. All classes will be held in the University Center-East on the UMR campus. Enrollment is limited to the first 60 persons who register.

Instructors for the course are Norman L. Brown, Missouri Department

of Natural Resources, Division of Geology and Land Survey; Dr. Joseph V.R. Paiva, Vice President and General Manager of Sokkia Technology; Dr. David R. Knowles, professor of civil engineering, University of Arkansas; and Dr. Richard L. Elgin, president of Elgin Surveying and Engineering Inc., Rolla.

For registration information, contact Ries, Continuing Education, 103 Mechanical Engineering Building

Annex, UMR, Rolla, MO 65401, phone 314-341-4132, or for technical information, contact Elgin, Elgin Surveying and Engineering Inc., 900 Pine, Rolla, Mo 65401, phone 314-364-6362.



News Services  
SOURCE

ROLLA, Mo. — The University of Missouri-Rolla has received a \$176,000 contract from Aramco Services Co. to provide solid-waste management training for the Saudi Arabia-based oil company.

Three UMR civil engineering professors will spend two weeks in Saudi Arabia next December to train up to 30 Aramco engineers in the areas of wastewater treatment, waste minimization and solid-waste disposal, said Dr. Richard W. Stephenson, a professor of civil engineering and director of

UMR's environmental engineering program. Stephenson will teach the course with Dr. Donald E. Modesitt, an associate professor of civil engineering, and Dr. Jerome A. Westphal, a professor of civil engineering.

"Saudi Aramco has a long-standing policy of addressing environmental issues, but many of their engineers do not have the environmental training necessary to address today's complex environmental problems," Stephenson said.

Eunice P. French, director of international programs at UMR, said the program will help UMR students because the professors will infuse their real-world experiences with Aramco in their campus coursework.

## Louis W. Smith to speak at commencement



News Services  
SOURCE

Rolla, Mo. — Louis W. Smith, president of the Kansas City, Mo. Division of Allied-Signal Aerospace Co. and a graduate of the University of Missouri-Rolla, will present the ad-

dress at UMR's 120th annual commencement ceremonies Saturday, May 15.

Smith also will receive an honorary Doctor of Engineering degree from the university during commencement.

About 500 degrees will be awarded during commencement, which begins at 2 p.m. at New Jackling Field, UMR's football stadium. In the event of inclement weather, commencement will be held at the same

time in the Gale Bullman Multi-Purpose Building.

Announcement of the location of commencement will be made over local radio stations by noon on May 15.

Smith received a Bachelor of Science degree in electrical engineering from UMR in 1966 and he also holds a Master of Business Administration

see Comm., page 19





# Campus Gossip

## Miscellaneous

### LOST:

One EL-5200 Sharp Scientific Calculator  
Last seen ME 104 Wed. 11:30 a.m. If found,  
please call 364-4302 REWARD!!  
Ask for Robyn.

### FOUND:

HP ADVANCED SCIENTIFIC CALCULATOR  
Found on Tuesday, April 20th in H/SS IBM  
Computer lab.  
Call Jason at 341-8769 for more information

### Life

Children weep,  
Memories creep  
Old folk sleep,  
Sois the way of life

Time Rider

### LOST:

Brown Dog w/Shepherd accents on back  
Has tag. Large Reward.  
Call 341-3351 Ask for Jay

### MOVING SALE

Moving to Vancouver, B.C.  
Must sell before May 17  
WILL SELL TO THE HIGHEST OFFER!  
\* Sanyo 25-IN. TV. Cable-ready, excellent  
condition

- \* Boston Acoustic Bookshelf
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- \* Stereo Cabinet-3 shelves
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- \* Pots & Pans, suitcase, plus more!

MUST SELL AT ANY COST!!!!

CALL: 341-8033

Single Size Futon

Asking \$100

341-8417

## Personals

Sarah -

Want to share a bag of cheese puffs?

Zlam  
Amy

Dave Witt,

Thanks for all the late night Fortran help. It  
was very much appreciated.

Your friend,  
(The inept Fortran  
programmer)

Helpul Hint #2767

Smile it is almost over.

Think about it:

Why is it that so many people worry about so  
many things that mean so little?

To all people I wrote this year (slammed on, joked  
with, cheered up, and confused):

It was all in fun.

Don't take it too seriously or send some 6'2" 250-  
pound guy named Guido to extract my fingernails  
with a needle-nose pliers.

I was only trying to get a chuckle (or at least  
a smirk) and didn't mean to offend anyone.

And there's still next year.

Things that make you feel old:

- 1) When your friends are getting married, and you  
don't even have a girlfriend.
- 2) When you can count the days until your gradu-  
ation on two hands.
- 3) When you realize your classes are actually dif-  
ficult.
- 4) When you start getting rejection letters from  
every company you apply to.
- 5) When you hang around with Chris and  
Vicki...NOT! (Sorry, guys, I couldn't resist).

Is your carpet dirty?

Is your furniture dusty?

Are your windows smeared?

Call Chancellor's Cleaning Service

and have everything spotless in no time!

Complimentary flowers included.

Hey R.A. types:

The end is near  
All's said and done  
I think we had  
Way too much fun  
We've had our joys  
We've had our strife  
It was the best  
Year of my life  
I made some friends  
I'll never lose  
I learned some things  
I'll always use  
Thirty-three who  
All worked as one  
Congrats, guys, on  
A job well done!

Brian, Mel, Kris, Chance, and Raf:

Looking forward to summer?

I sure am...

Francis Bacom

"The worst kind of solitude is to be destitute of  
sincere friendship

To all members of RHA:

I know my job as Co-Chair wouldn't have  
been nearly as fun or rewarding if you guys hadn't  
been around. Every one of you contributed  
something to the organization, and most of you  
did far more work than you had to.

It was a great year. Thanks

Mary

Good luck at "you know where!"

See you in September!

Zlam,

Heather

P.S. Watch out for \_\_\_\_\_!

Top 7 Reasons Why a Girls Can't Get a Date in  
Rolla

1. Every guy has a girl back home.
2. All the guys think you're already taken.
3. Roll guys spend more time on their computers  
than they do on dates.
4. They would rather have a beer in their hand,  
than a woman at their side.
5. They're too stupid to know when a girl's  
hitting on them. (That's a HINT!).
6. When somebody says "69", the first thing  
they think of is their test average.
7. Rolla men can't handle us.

Congratulations Lisa M., Melissa, Peggy, Mich-  
elle L., and Betzy!

Zeta will miss you!

Julie M.,

Hope you have a great summer!

Thanks for everything

Zlanm,  
YLLS

Kim C.,

Thanks for putting up with me for  
a whole year!! Come visit me this summer  
and we'll go to some cool concerts!

Zlam,  
YRM

Mike,

When you hear Harry over the summer, think  
of me.

Natalie

9 South,

Your murals rule! (especially the books!)

Lewis,

Thanks so much for putting my roommate  
on the straight and narrow.

Sarah

Surf,

Nice "moon"

Smurfette

Twister & Lumberjack,

Cardinal and I are really going to miss next  
semester.

Bingo

Lush,

It's amazing you actually have a floor in  
there.

??????

Smurf,

Good luck in the real world. Congrats on  
Graduation.

The Gang!!

Twister,

Promise me you'll never give up  
on the legs...

Snort-woman

ZETA'S #1

Peggy,

Have fun spending an exciting summer in  
Rolla-Hope you don't get a job so you'll be  
here next semester!!

Zlam,  
H.

Gaylen,

Congrats on surviving this semester!

Have a great summer!

YBS

Greg and Kory -

Good luck we'll miss you!

ZTA

Drew Donelli,

The king of the Freshman class,

He's got the looks, He's got the #ss.

Your Fortran admirer

RSVP,

How's the Birthday Suit?

Minnie Mouse

Patty - Poo,

You're the best Big Bro a girl could ever have.

Thanks for always being there!

Love ya,  
Lil Sis

Lumberjack,

Please - one more snort before you go.

Please, please....

Cardinal,

Nice calves - you aerobics God.

Bingo

EB,

Hello from you a new net pal.

Bingo

P.S. Hello to Mike too

Lost,

Group of fun-loving, caring guys off  
of IN. If you found return to room 539.

I miss them.

Dizzy,

I'm not sure why I call you that - you usually  
make me pretty dizzy.

Jorge

Smurf & Twigless,

You're right,  
the view from behind isn't that bad.

Bingo

Top 5 annoyances at UMR:

- 5) Food that still breathes
- 4) For an engineering school, NOTHING  
WORKS
- 3) Everyone shops at Geeks "R" US.
- 2) Calculus teachers who are younger than their  
students
- 1) Too many people at TJ don't shower daily

Jed,

Pizza and 2 pitchers isn't eating healthy.

Smurf,

We all hope you find a job and enjoy being out  
of this hell next year. We'll miss ya.

The guys & I gal

Tat,

Are you ever going to get back into a normal  
sleeping rhythm?

Bingo

5N:

Those murals are looking great. Love all the  
Tiny Toons.

Ape face,

Long time no see. Hope all is going well for  
you this semester.

Grasshoper

Amanda

Please take care of yourself.

You worry me.  
Becky

Bill Clinton,

The man who still believes Barbie and Ken  
are real Americans.

Lil Sis,

You've made this a great semester for me. I  
can't thank you enough.

Love,  
BB

When about to O.D. on stress,

rip pieces of paper to shreds,  
shove them into a fan,  
flip the fan off and on,  
watch the pieces fly and  
listen to them make noise  
like a bug-zapper.

From chapter 9 of Karen, Sarah & Nat's  
"GUIDE TO HANDLING STRESS"

Rob,

Thanks ever so much for graciously accept-  
ing my inferiority and carrying my tray after  
meals.

The Cleaning Lady

Jeffrey Paul,

Won't you be my neighbor?

Mike,

At least your brain bag isn't leaking  
Sarah

Vein,

We want to sign your cast.

A selected few  
from 9 south.

Trey,

We want to sign your cast.

A selected few  
from 9 south.

see Gossip, page 16



# Discrimination

from page 3

ance "a construct" created by the academic world and the media. Like whites, nonwhites are divided into many ethnic groups going every which way, with lots of tensions. Some

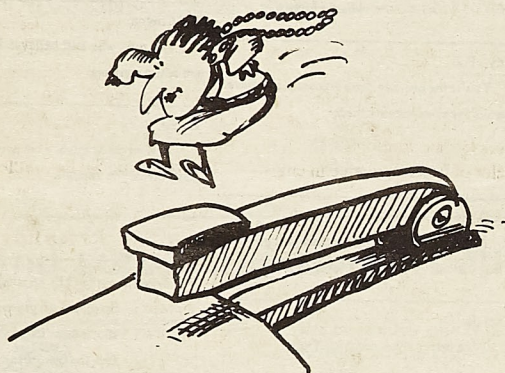
\* The idea that white guys or white people, are on their way out in a multicultural America is part of a disinformation campaign. The implied argument is this: Since we will soon outnumber you, you had better give us what we want now, or we won't take care of you when you are a minority. But is it true that America is on the verge of becoming a country with a "minority majority"? This seems to be another construct of press and academe. It is partly based on dubious straight-line projections of immigrant fertility similar to those that so frightened the native stock a century ago.

More important, it is based on the supposition that Hispanic immigrants will stand apart from the mainstream as a permanent minority. There are strong signs that this won't happen.

groups are moving rapidly into the mainstream, making them ineligible for alliances based on victim status. Some aren't.

Hispanics already have high rates of inter-marriage. Of native-born Americans of Puerto Rico ancestry, an astonishing 40 percent are married to Anglos. With Hispanic assimilation and intermarriage with other whites, the year 2050 will probably see a nonwhite minority population of about 25 to 30 percent, sizable and significant, but nowhere near a "minority majority."

Why is this important? Only because some demographic projections, like the current wave of attacks on white males, are expressions of a hardened race-and-gender ideology now seeping into the general media. There's an ugly tone of "we will outbreed you" to some of the projections. And we are getting into the ugly phase of attacks on white guys. The race-and-gender folk will bear watching.



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TIME	DAYS	COURSE NUMBER	TITLE	INSTRUCTOR
9-11:30 AM	M/W	MATH 250	STATISTICS	DAWSON
9-11:30 AM	T/TH	FIN 298	PERSONAL FINANCE	SUTTON
9-11:30 AM	T/TH	ENG 111	ENGLISH COMPOSITION	LUETKEMEYER
9-11:30 AM	T/TH	ECON 293	MACROECONOMICS	JONES
12-2:30 PM	M/W	HIST 101	WESTERN CIVILIZATION I	WHITE
12-2:30 PM	M/W	ENG 112	ENGLISH COMPOSITION II	KEENEY
12-2:30 PM	T/TH	PSY 460	INTRO CLIN/COUNSEL PSY	HENDRIX
12-2:30 PM	T/TH	CIS 170A	INTRO TO COMPUTERS**	PALMER
12-2:30 PM	T/TH	ENG 241	AMERICAN LITERATURE I	HUGHES
5:15-7:45 PM	M/W	CJ 405	RULES OF CRIMINAL EVID	SPECKMAN
5:15-7:45 PM	M/W	MATH 150	COLLEGE ALGEBRA	HAMNER
5:15-7:45 PM	M/W	HIST 433	HIST. OF VIETNAM WAR	KEENEY
5:15-7:45 PM	T/TH	ACC 383	INTERMED ACCOUNT II	SUTTON
5:15-7:45 PM	T/TH	SPEECH 110	SPEECH COMMUN.	H. BRANYAN
5:15-7:45 PM	T/TH	HIST 121	AM HISTORY TO 1877	R. BRANYAN
5:15-7:45 PM	T/TH	MGT 330	PRINC OF MANAGEMENT	KILLINGER
5:15-7:45 PM	T/TH	CIS 170B1	NTRO TO COMPUTERS**	PALMER
8-10:30 PM	M/W	GOVT 112	AMERICAN GOV. II	CHORLTON
8-10:30 PM	M/W	MGT/MKT 368	BUSINESS & ITS ENVIRON.3	SPECKMAN
8-10:30 PM	T/TH	CIS 185	MICROCOMPUT. GRAPHICS	PALMER
8-10:30 PM	T/TH	SOC 331	JUVENILE DELINQUENCY	SYDOW

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\*\*Computer lab fee \$20

\*\*\*Accredited by the North Central Association of Colleges and Schools.

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\$69<sup>95</sup>

SAVE \$100<sup>00</sup>



Norton Desktop for Windows

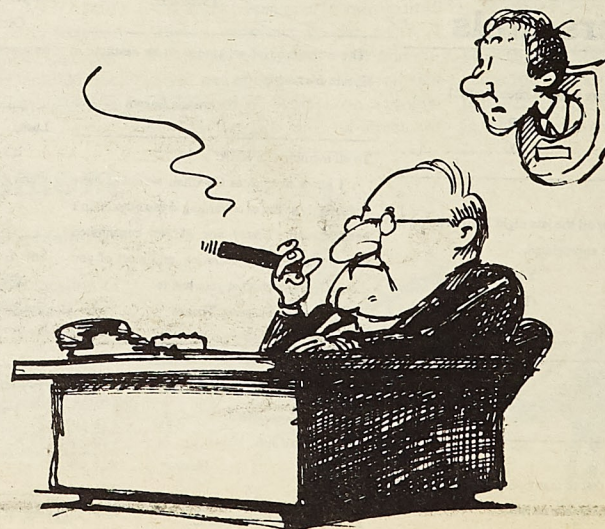
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## National Internships Insider's Guides can help you find a summer job



### National Internships SOURCE

As a new class of college seniors face the challenge of launching their professional careers in a very tough job market, many students wonder what separates those who find meaningful jobs from those who are unable. Many are finding that while strong grades and work relevant coursework remain important, employers are increasingly interested in the work experience of applicants. "In the current market, employers want to know that a new employee can hit the ground running and make an immediate contribution to the organization," says Douglas Harpel, president of National Internships, a company which publishes internship guides for areas around the

country. This means that the most successful job seekers will be those who have gained some experience and demonstrated some ability before they graduate.

National Internships assists students and recent graduates in Washington D.C. and across the country in identifying and securing career-enhancing paid internships and summer jobs. The National Internships series, which began several years ago with the *Insider's guide to Washington DC Internships*, has now expanded to twelve guides which span the country. According to Harpel, the motivation for expanding the series came largely from the enormous positive reaction of both students and career guidance professionals. "What we heard was that our guides provide exactly what students want, an inexpensive source of succinct, accurate, and current information on internship opportunities

available in a wide array of professions."

The flagship of the National Internships series, the *Insider's Guide to Washington DC Internships*, now in its 7th Edition, has sold more than 10,000 copies. The guide details career opportunities for all majors not only within government, but with a wide variety of private firms and non-profit organizations. Information on special internship services and programs, including apprenticeship or fellowship opportunities for qualified students, is also provided.

National Internship Guides are unique in their currency and accuracy. Updated regularly, the Guides provide the most up to date details available on thousands of internships. Position duties, pay, hours, qualifications, application directions, and deadlines are addressed. "Our Guides are built from the student's perspective," says Har-

pel, "students want the most current information, and they want it immediately. Updating our Guides regularly and sending them out immediately upon order via First Class Mail are ways that we provide these services." The guides provide current points of contact, titles, addresses and phone (and now fax) numbers, an important time saver for students and a feature lacking in many career reference materials. In the words of Dr. Camille McKinley, editor of the trade publication *Career & Management Facts*, "The guides are well-done and affordable. I highly recommend this rich source of internship information."

"Recessionary times," according to Harpel, "result in greater competition for entry level positions. This increased competition highlights the importance of internships as a means for students to distinguish themselves from other students. Our guides are

designed to assist students and recent graduates in finding the right internship and to help them in the often difficult transition from the academic to the professional world."

National Internships publishes internship and summer employment guides for Washington DC, New York City, Boston, Philadelphia, Chicago, Denver, Northern California, Southern California, Ohio, and the Raleigh/Durham/Research Triangle. An international internships guide and a legal internships guide are also available, as are student summer housing guides for both Washington, DC and New York City. All National Internships Guides are priced at \$7.95 plus \$2 shipping and handling per order. For more information or to order, students should write: National Internships, PR Department, 2020 Pennsylvania Avenue NW, Suite 336, Washington, DC 20006.

## Nineteen professional degrees to be presented at commencement



### News Services SOURCE

Rolla, Mo. — The University of Missouri-Rolla will award 19 professional degrees at its 120th annual commencement Saturday, May 15.

Professional degrees are honorary degrees awarded by UMR to alumni and others for outstanding professional accomplishments in their respective fields.

Commencement will be at 2 p.m. at New Jackling Field, UMR's football stadium. In case of inclement weather, the ceremony will be moved to the Gale Bullman Multi-Purpose Building.

Louis W. Smith, president of the Kansas City, Mo., Division of Allied-Signal Aerospace Co., will deliver the commencement address. Smith, who holds a Bachelor of Science degree in electrical engineering from UMR, also will receive an honorary Doctor of Engineering degree during com-

mencement.

Other 1993 professional degree recipients are:

— R. Lee Aston, mining engineer, geologist, attorney, mining and environmental law consultant, and principal of Aston Mineral Law and Engineering Service/Aston and Aston, Attorneys-At-Law, Elberton, Ga. He holds a Bachelor of Science degree in mining engineering and a Master of Science degree in geological and environmental engineering from UMR.

— Barry L. Basden, senior staff materials application engineer of Engineering Materials Technologies Laboratories, General Electric Aircraft Engine, Cincinnati, Ohio. He holds Bachelor and Master of Science degrees in metallurgical engineering from UMR.

— James E. Beavers, corporate fellow and director of the Center for Natural Phenomena Engineering, Martin Marietta Energy Systems Inc., Memphis, Tenn. He holds a Bachelor of Science degree in civil engineering from UMR.

— Gene R. Blendermann, presi-

dent of management and business development consulting, Consultmann Group, Bronxville, N.Y. He holds a Bachelor of Science degree in petroleum engineering from UMR.

— Joseph A. Cesare, president of Joseph A. Cesare and Associates Inc., Englewood, Colo. He holds a Master of Science degree in geological engineering from UMR.

— Larry E. Farmer, president of Brown and Root Marine, London, England. He holds a Bachelor of Science degree in civil engineering from UMR.

— Bohn A. Frazer, operations manager of Inland Quarries, Kansas City, Mo. He holds a Bachelor of Science degree in mining engineering from UMR.

— David Kroeter, founder of Southern Cast Products and manager of Kroeter Inc., Mapleton, Ill. He holds a Bachelor of Science degree in metallurgical engineering from UMR.

— Charles E. Lemons, partner and project manager of Black and Veatch, Kansas City, Mo. He holds a Bachelor of Science degree in mechanical engi-

neering from UMR.

— Kent W. Martin, chairman of the board, Allgeier, Martin and Associates Inc. of Joplin, Mo. He holds a Bachelor of Science degree in electrical engineering from UMR.

— Gregory McClain, manager of quality assurance for John Deere Engine Works, Waterloo, Iowa. He holds a Bachelor of Science degree in engineering management and mechanical engineering from UMR.

— Gary L. McVay, manager of the materials Sciences department and deputy director, Molecular Science Research Center, Pacific Northwest Laboratory, Richland, Wash. He holds a Bachelor of Science degree in metallurgical engineering and a Ph.D. in ceramic engineering from UMR.

— Kenneth A. Mirly, regional director of government and international affairs, Boeing Commercial Airplane Group, Seattle, Wash. He holds Bachelor and Master of Science degrees in aerospace engineering from UMR.

— Zebulun Nash, manager of

metal detergents and detergent intermediates for Exxon Chemical Co., Abingdon, England. He holds a Bachelor of Science degree in chemical engineering from UMR.

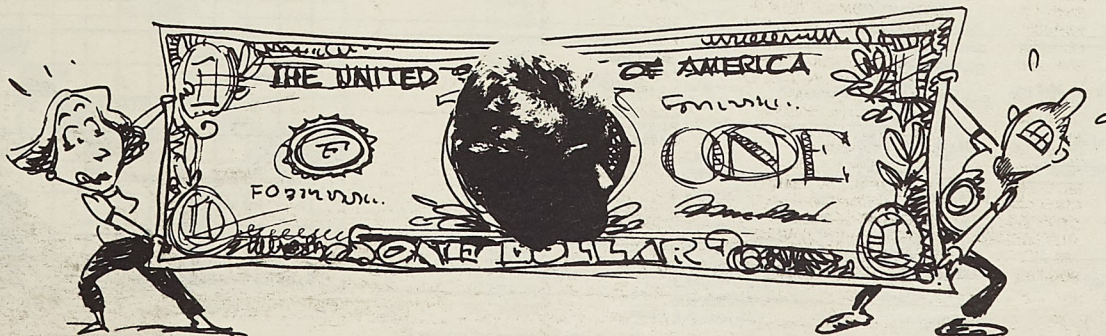
— Stan T. Rosinski, manager of materials research activities, U.S. Department of Energy, Albuquerque, N.M.

— James E. Shelby, professor of glass science, New York State College of Ceramics at Alfred University, Allegany, N.Y. He holds Bachelors's, Masters, and Ph.D. degrees in ceramic engineering from UMR.

— Torie A. Vandeven, manager of development for Santa Fe Minerals, Dallas, Texas. She holds a Bachelor of Science degree in geology from UMR.

— Richard Vehige, vice president of procurement services for Southwestern Bell Telephone Co., St. Louis. He holds a Bachelor of Science degree in engineering from UMR.

— Stephen E. Zeboski, a petroleum geologist for AEC Exploration Co., Houston, Texas. He holds a Bachelor of Science degree in geology and geophysics from UMR.





# Only In Rolla



## Weiland Canty

## Goatee

from page 8

12 guitarist, and a main songwriter for 10,000 Maniacs up through The Wishing Chair. I'm not sure why he left the band, but he must keep in touch because Maniac's drummer Jerome Augustyniak and guitarist Robert Buck appear on many of the tracks.



Well, whatever the reason, John has teamed up with Mary Ramsey. Mary sings and plays viola, violin, and Hammond organ. While a couple

songs have a 10,000 Maniacs feel, John and Mary are their own band. In fact, I prefer them to 10,000 Maniacs. To be frank, Natalie Merchant's voice gets on my nerves sometimes, but Mary's voice is clear and simple. Plus, the viola is my favorite instrument, and Mary's plays it beautifully.

In general, the songs are based on the frame of John's acoustic guitar and bass and Mary's voice and viola. It's not folk music, but there is that nice, rolling acoustic feel to the music. It comes across the best on "Fly me to the North" and "Clare's Scarf". Where the Maniacs' music has drama and flair, John and Mary hold back a bit. The music has a sparse, minimal feel to it which I enjoy.

The Weedkiller's Daughter is John and Mary's second album. It shows the same style and charm of Victory Gardens and shows a maturing sound. (i. e. Thankfully, John doesn't

sing lead on any of the songs.) The Weedkiller's Daughter is another excellent album by John and Mary.

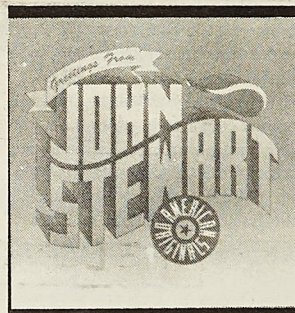
## Album Review John Stewart

American Originals  
Capitol (1992)  
9 goatees

John Stewart was a major player in the emergence of folk-pop in the early 60's as a member of the Cumberland Three and the Kingston Trio. Some only know the Kingston trio through their rather cheesy version of "This Land is Your Land" but that's a shame because they made a lot of quality music.

This compilation begins with two Kingston Trio songs along with 17 solo songs. The first Kingston Trio

song, "If You Don't Look Around," was inspired by the civil rights protests in the South. "Chilly Winds", with a great intro, is also included.



The bulk of the album is made up of songs from California Bloodlines from 1969 and Willard from 1970. Except for the out of date back-up vocals on one or two songs, the music doesn't sound dated. James Taylor plays guitar on some of the tracks from

Willard. A lot of John Stewart's music is kind of like Taylor's. It features acoustic guitar and an easy flowing feel to it.

This album is a very good collection of Stewart's best songs from his Capitol catalog. Like the other albums in the American Originals series, the sound quality is top notch. The only problem is the weird artwork, but the liner notes and large number of tracks more than make up for it.

This semester's best:

10 Goatee albums  
Elvis Costello and the Brodsky Quartet - The Juliet Letters (1993)  
Robyn Hitchcock and the Egyptians - Respect (1993)  
Antenna - Hideout (1993)  
Katy Moffatt - The Greatest Show on Earth (1993)  
Robert Shannon and the Dorkestra - Sideways South (1993)

## Gossip

from page 1\*

Lisa M.,

You are the greatest. I'm going to miss you.  
Remember 12:36 A.M.

Meatloaf and  
Wildwood Forever

Dave, Dennis, Shane & Puke,  
SHUT YOUR HOLES!!!!

Top 5 Shane quotes of the Year:

- 1) Yo Spanky! How's Daria?
- 2) You wanna get beat down?
- 3) Eat me raw!
- 4) It's jam city, baby, and I'm the major!
- 5) NAKED! NAKED! NAKED!!

PUUUUUU NCHY!!!!!!!

Hey Roxy,

Got any MAINTAIN for me?

U H - O H!!!!!!!

Hey Cletus,

Beets!!

SAFETY!!!!

Yo Misty,

He's on your body.

PNEUMONIA:

How is the sunburn?

Hey Cletus:

Broccolies!!

You guys are the greatest!

It's been a good year!

C-ya in the fall!

Bob

It's log, It's log

Christy,

Do you always sleep on coffee tables?

ZTA,

Congratulations on winning Greek Week!

Chi Omega

Ang,

Just let me sleep.

Crack baby

Jim,

How many bunnies did you catch  
last weekend?

Coach,

Watch out for the snake, or the window  
if it's rolled up

Matthew,

2 inches or a yard rock hard or if it's sagging.  
In your case 2 inches and rock hard.

You b.h.b.,

When are you going to get your box of candy?  
lil' h.o.p.

Melissa,

We better stop inviting Daryl down, 2 for 2  
isn't bad, but we only have 4 beds.

Jed,

Megan is beggin', 2 bad you don't have her  
number

Lil' H.O.P.

Not on the outside, I am cold on the inside.

B.H.B.



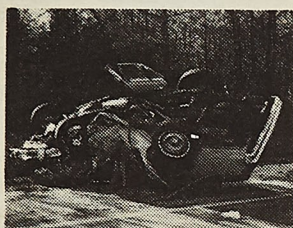
# Did you know the penalty for forgery?

Have you ever signed a teacher's or adviser's name to your preregistration form since you know that they would approve it anyway? Have you ever taken information from one form and copied it to another (including signatures other than your own) just so it would look better? Well, if you have, you committed forgery. No matter what your intentions were, under the section of Conduct of Students in the UMR Manual of Information, such action is viewed as misconduct for which the student is subject to discipline.

The unfortunate result of forgery is discipline administered by the Vice Chancellor or Director of Student

Affairs. The degrees of discipline in the school are reprimand, probation, dismissal, suspension, and expulsion. Typically, students found guilty of forgery have been expelled. This is not always the case, but has certainly has been a practice. If you are not aware of the implications of the various disciplines listed above, then reading of the Manual of Information is highly recommended by this author.

For future reference, just remember, if a document of any type requires a signature other than your own, **DON'T PUT IT THERE YOURSELF!** Even if copying a form that has already been signed, having it signed again and avoid a trip to the Student Affairs Office.



**Ever Get Somebody Totally Wasted?**

# Students active on Spring Break



**Wesley Foundation SOURCE**

Returning from his short lunch break, Garth realizes that the fire had spread over his entire domain. Fearlessly grabbing a nearby leaf rake he beats out the fire on large sections of the lawn as Jennifer douses the roaring inferno with a well aimed spray from a garden hose. This was the scene during Spring Break in Cookson, Oklahoma where eleven students from the Wesley Foundation spent four days helping others in the name of Christ. The group worked at a mission camp that rehabilitated deteriorating houses and trailers for needy area residents, many of whom were Cherokee. Cookson Hills Mission also has many other programs including a thrift store, day care, Alcoholics Anonymous, craft sales, and other self-help programs.

On Saturday, the group worked around the camp, raking vast quantities of leaves, spreading gravel to revitalize the driveway,

and spreading dirt to fill in the sink holes around the office. Garth, the group's resident pyromaniac, directed the leave incineration process. He efficiently burned them, managed to scar some of the lawn, and sent ominous smoke signals that obscured the store across the road for hours.

Sunday was tourist day. Wesley worshipped in a Methodist Cherokee church pastored by Ray Bigpond. After lunch they visited the five tribes museum and learned about local Native American History.

Monday they began construction of a new roof for a retired police officer and his wife. The roof on their mobile trailer was deteriorating, so the work camp decided to build a new roof superstructure over the existing trailer. Steven and Sarah learned that Oklahoma earth consists of nine parts hard rock to 1 part soft clay while trying to dig eighteen inch deep post holes, while Garth, Andrew, Phil, and Jeff built roof trusses on a jig. The rest of the group finished up tasks back at camp. They returned to camp sore, somewhat sun-burned, and satisfied that they had accomplished something.

A fierce and sleep draining storm that night prevented further construc-

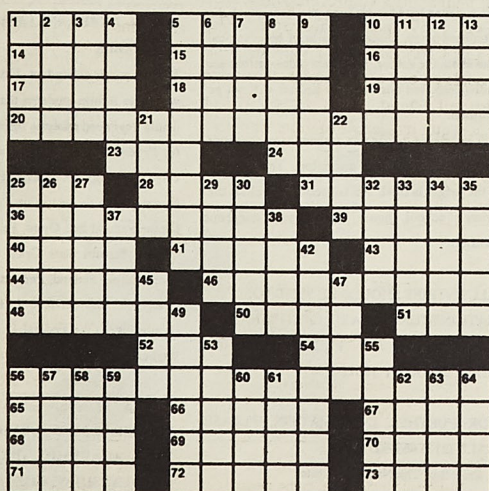
tion the next day, so the camp director advised us to go to the Native American symposium at North Central University. They visited booths on various crafts, games, clothes, and languages. Then they listened to some Creek children's stories dramatized by the speaker, and viewed a demonstration of the Cherokee stomp dances. Then the group headed back to Rolla.

In the evenings they played Taboo, BS, various games, and kitchen cleanup. They were also serenaded by Phil's new found guitar talent. His famous hits include: Taps, "Sitting on a Couch", and "My Best Friend is a Wasp". On the trip back he was so distraught at leaving that he began writing a new blues groove called: "I Feel So Good, I Wish I Could Die."

It was a great trip, sharing God's love with the materially poor of Cookson, and having a good time doing it. If you'd like any information about the Wesley Foundation and any of our projects or activities, please feel free to call the Wesley House at 364-1061 or stop by anytime.

# Time Killers

## THE Daily Crossword by Harold B. Counts



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**ACROSS**  
1 Warbled  
5 Military bigwigs  
10 Vipers  
14 Fencing sword  
15 Siberian peninsula  
16 Bed board  
17 — and potatoes  
18 Arson or robbery  
19 Handbag  
20 Start of quote by 36A  
23 — la la  
24 Consumed  
25 Sault — Marie  
28 Sch. subj.  
31 Mexican shawl  
36 American orator  
39 Challenged  
40 She went to Siam  
41 Sooths  
43 Speck  
44 Blockheads  
46 36A, e.g.  
48 "Valse —"

50 QED word  
51 Capone and Pacino  
52 Paid notices  
54 Lament  
56 End of quote  
65 Own  
66 Money  
67 Dies —  
68 — corner  
69 Composer Harold  
70 Fourth dimension  
71 "The Way We —"  
72 Spirited horse  
73 Listen

**DOWN**  
1 18-wheeler  
2 Copied  
3 Close  
4 Reach  
5 Haphazardly  
6 Undercooked  
7 Muslim prince  
8 Brazilian dance  
9 Rains icily

10 It. wine center  
11 Toll very hard  
12 Narrow trail  
13 Let it stand!  
21 Lazy Susan  
22 Hollow stem  
25 Commandment word  
26 Voice  
27 Boredom  
29 Oh, woe!  
30 Sample food  
32 Football team  
33 Redolence  
34 Flower part  
35 Blissful places  
37 Darn!  
38 Leap —  
42 — stripes  
45 Pierce  
47 Small carrying case  
49 Plant swellings  
53 Game  
55 Mrs. Bunker  
56 Melt  
57 Bridle part

58 State firmly  
59 Hawaiian goose  
60 Actor's part  
61 Gen. Robert —  
62 Huron's neighbor  
63 Appellation  
64 — off (angry)

see Solutions, page 24



## UMR students compete in national bridge building contest



News Services  
SOURCE

ROLLA, Mo. — Six civil engineering students from the University of Missouri-Rolla will test their mettle next month when they compete in a national steel-bridge building contest.

The contest will be held on the campus of Southern College of Technology in Marietta, Ga., on Saturday, May 15. It is sponsored by the American Society of Civil Engineers and the American Institute of Steel Construction.

Teams from approximately 20 colleges and universities will build 20-foot-long steel bridges designed to withstand weights of up to 2,500 pounds. Their efforts will be judged according to the speed of construction, bridge weight, cost, capacity, capacity-to-weight ratio and aesthetic value.

The UMR team consists of civil engineering students Sean Antle of St. Peters, Mo., a senior; Jeff Bohler of St. Louis, a junior; Brian Legrand of Kelso, Mo., a junior; Mark McCauley of Royalton, Ill., a senior; Scott Rakonick of Florissant, Mo., a senior; and David Smith of Cordova, Tenn., a senior and the president of UMR's ASCE student chapter. Advising the team is Dr. Roger A. LaBoube, a UMR associate professor of civil engineering.



## UMR Mucking team places 15th



News Services  
SOURCE

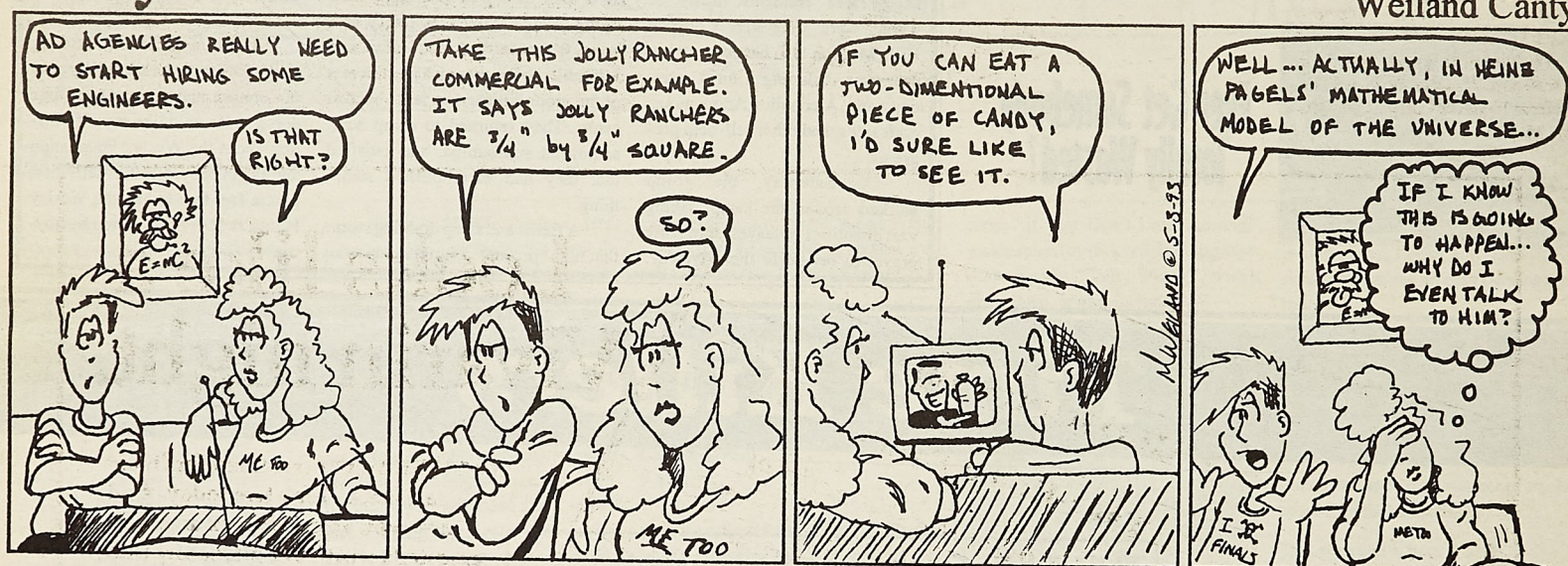
Members of the men's mucking team at the University of Missouri-Rolla have won second place in overall competition at the 15th annual International Collegiate Mining Competition held recently in five of the seven events held.

A total of 17 six-member teams used old-fashioned mining methods and hand-held tools to compete in

timed events including gold panning, surveying, hand-mucking, hand-steeling, track-standing, Swede sawing and jackleg drilling. Fourteen collegiate teams from the U.S., two from Australia and one from Canada competed in the event.

UMR mucking team members are: Doug Wright of Alton, Ill., team captain, a graduate student in mining engineering; Chris Huett of Mountain Home, Ark., a senior in mining engineering; Gerald (Jamie) Haantz of Jefferson City, Mo., a junior in mining engineering; Todd Young of Van Buren, Ark., a senior in geological engineering; Matt Konjevich of Channahon, Ill., a senior in mining engineering; and Paul Sainato of Madisonville, Ky., a senior in mining engineering.

## Only In Rolla



Weiland Canty

## Aid

viewed by a Judging Committee of International Experts and the award will be announced by September 30, 1993. Suitable arrangements will be made for making the award at an appropriate ceremony in the country of residence of the awardee.

Please send six complete sets each of (1) application/nomination, (2) supporting documents, and (3) publications, to the Foundation.

For any further information, contact:  
(Sally Prakash)  
"Shamsher Prakash Foundation"

Anand Kutir  
1111 Duane Avenue  
Rolla, Mo 65401  
USA

\* 40 years and younger.

THE FOURTH ANNUAL NATION/IF.  
STONE AWARD FOR STUDENT JOURNALISM

Purpose: The Nation Institute/I.F. Stone Award recognizes excellence in student journalism. En-

tries should exhibit the uniquely independent journalistic tradition of I.F. Stone. A self-described "Jeffersonian Marxist," Stone combined progressive politics, investigative zeal and a compulsion to tell the truth with a commitment to human rights and the exposure of injustice. As Washington editor of *The Nation* magazine and founder of the legendary *I. F. Stone's Weekly*, he specialized in publishing information ignored by the mainstream media (which he often found in *The Congressional Record* and other public documents overlooked by the big-circulation dailies).

**Eligibility:** The contest is open to all undergraduate students enrolled in a U.S. college. Articles may be submitted by the writers themselves or nominated by editors of student publications or faculty members. While entries originally published in student publications are preferred, all articles will be considered provided they were not written as part of a student's regular course work.

**The Prize:** The article that, in the opinion of the judges, represents the most outstanding example

of student journalism in the tradition of I.F. Stone will be published in a fall issue of *The Nation*. The winner will receive a cash award of \$1000. The Nation reserves the right to edit the winning article to conform to the space limitations of the magazine. Announcement of the winning article will be made in *The Nation* in the fall of 1993.

**Deadline:** All entries must be postmarked by June 29, 1993.

### Entry Rules:

All entries must have been written or published between June 30, 1992, and June 29, 1993. Tear sheets or photocopies are acceptable.

Each writer, editor of a student publication or faculty member may submit up to three separate entries. A series of related articles will be considered as a single entry. Investigative articles are particularly encouraged. There are no restrictions as to scope, content or length.

Accompanying material in support of entries is not required, but entrants are encouraged to sub-

mit a cover letter explaining the context of the submitted story, along with a brief biographical note about the author. Elaborate presentations are neither required nor desired. Entries will not be returned.

Judges reserve the right to authenticate, accept or disallow entries at their discretion. The decision of the judges is final. All entries must include the writer's school, home address and telephone number.

ALL ENTRIES SHOULD BE SENT TO:  
NATION/STONE AWARD, C/O THE NATION  
INSTITUTE, 72 FIFTH AVENUE,  
NEWYORK, NY 10011

FOR FURTHER INFORMATION, PLEASE  
CALL (212) 463-9270  
A Project of The Nation Institute

THE URBAN LEAGUE OF METRO-  
POLITAN ST. LOUIS SCHOLARSHIP  
HANDBOOK

is available for students to review in the Student Financial Aid Office, G-1 Parker Hall.

from page 2

### 1993-94 NEED ANALYSIS FORM NOW AVAILABLE

The Admissions/Student Financial Aid Office wishes to inform students that the 1993-94 academic year need analysis form (Free Application for Federal Student Aid) is now available to receive and complete. The need analysis form must be completed to determine a student's eligibility for the Federal Pell Grant, Federal Supplemental Grant, Missouri State Grant (for Missouri residents only), Federal Perkins Loan, University Loans, Federal Stafford Loan (subsidized and unsubsidized) the Federal PLUS/SLS Loan, and the Federal College Work Study Program.

### WINTER 93 MISSOURI HIGHER EDUCATION ACADEMIC (BRIGHT FLIGHT) SCHOLARSHIPS CHECKS ARE HERE!

The Winter 93 "Bright Flight" checks are now available in the Cashier's Office, basement of Parker Hall. If you are a "Bright Flight" recipient, please go to the Cashier's office. Cashier's hours are from 8:15 am to 3:15 pm.



## Comm. from page 12

degree from Rockhurst College.

Before becoming president of the Allied-Signal's Kansas City division, Smith served as assistant general manager of administration, where he directed the activities of test equipment design, tooling and facilities management, employee relations, controller, and the environment, safety and health areas within the organization.

Prior to that, Smith was vice president of manufacturing for Allied-Signal in Torrance, Calif.

The Kansas City Division of Allied-Signal Aerospace Co. produces and procures non-nuclear electrical, electronic, electromechanical, mechanical, plastic and metal components for nuclear weapons under contract for the U.S. Department of Energy.

Caps and gowns for graduating students will be available at the University Bookstore in the University Center-West after 8:30 a.m. Thursday, May 6.

The bookstore is open from 8 a.m. to 4:30 p.m. Monday through Friday and from 10 a.m. to 4:30 p.m. on Saturday, May 15.



## Voice your opinion

UMR Students,

Finals are here and this is an extremely busy and frustrating time for you. However, to help ensure your future just keep this article as you leave for the summer and take action upon it when things aren't so hectic. I would also urge you to ask some of your friends at other schools to do some. The older generation realizes what is happening to your legacy and hopefully the younger generation's voices will be loud enough to be heard.

White House and Congress have no plan to improve your future. Their only plan is to tax and spend. Our deficit continues to soar, job creation is minimal, and tax increases are proposed for every American. The special interest groups and lobbyists have the upper hand with our politicians. This is probably an exaggeration because there are those in Washington who have viable plans and are concerned but do not have the political

clout they need. Representative John Kasick of Ohio has submitted an in depth study and plan to Congress that would solve many of our economic problems and it is being ignored by the Administration because he is a Republican. I do not know the man. I do not care if he is an Independent. All I want is a plan for reduced spending, reduced taxes, and a future for the coming generation of America.

Your generation must be heard. The college students must become involved in the education you work so hard for will pay Washington's bills.

The phone numbers of Congress is 202-224-3121, the White House is 202-456-1414. No money, call your local representative and they will get the message to your Senators. A letter is more effective but I realize how busy things are.

Sincerely,

KMWolfe

## Looks like a Vivarin night.

It's 10 PM. You've crammed for finals all week. Took two today. And now you've got to pack an entire semester's worth of Philosophy into one take-home exam, in one night.

But how do you stay awake when you're totally wiped? Revive with Vivarin. Safe as coffee, Vivarin helps keep you awake and mentally alert for hours.

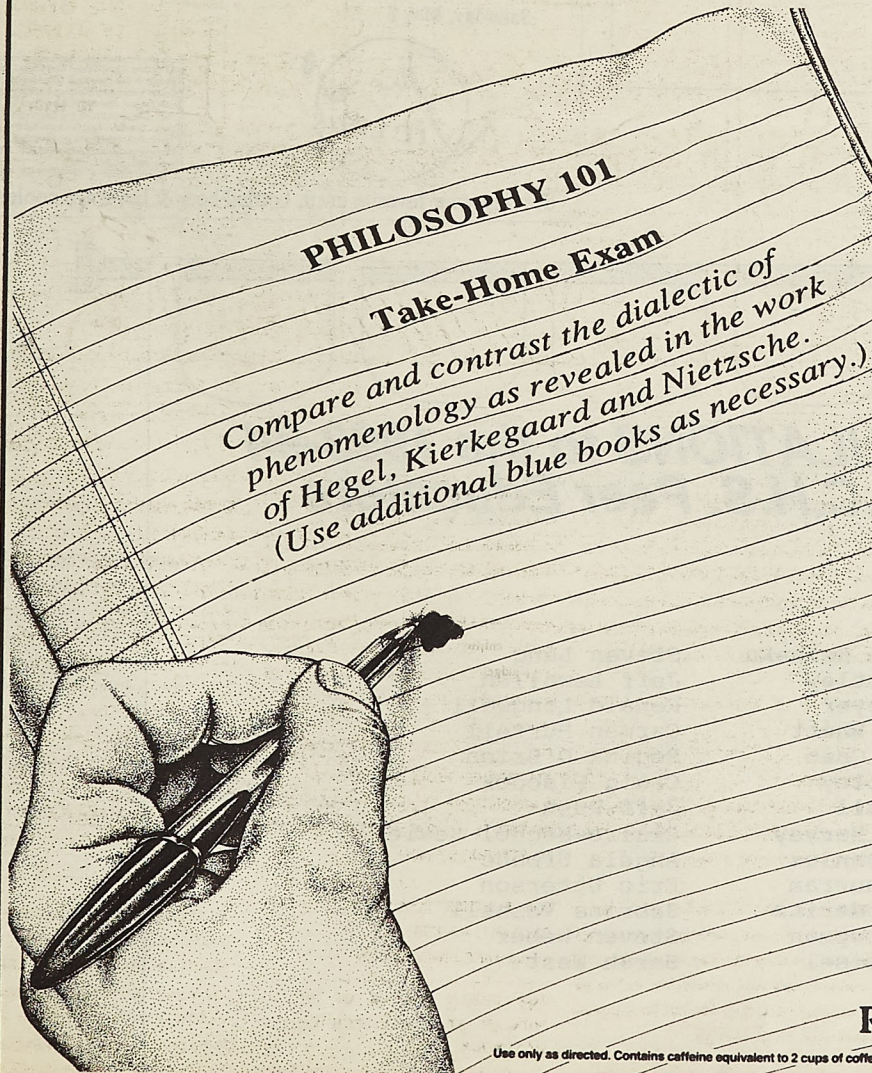
So when you have pen in hand, but sleep on the brain, make it a Vivarin night!



Revive with VIVARIN.®

Use only as directed. Contains caffeine equivalent to 2 cups of coffee.

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## INVENTORY REDUCTION SALE!

Complete Computer Hardware Reduction Going On Now At  
6% *Soulution* in the Copperfield Square.

Now is the time to upgrade your existing Computer System...

Check out these prices:

- 1.44 Floppy Disk Drives - \$45.00
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- Samsung SVGA non-interlaced Color Monitors - \$337.00
- 2400 baud Internal Fax Modems - \$55.00

\*\*plus much, much more. Only while supplies last.

We must make room for our new line of computer systems, so stop by today and purchase quality computer hardware and supplies at drastically reduced prices! Let's make a deal!!

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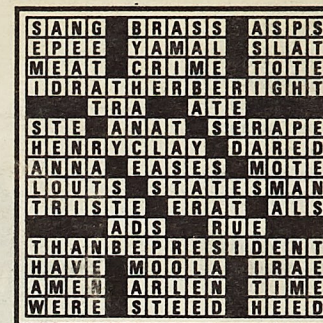
602 West 6th Street

Rolla, MO 65401

364-7133

## Solutions

from page 21



## The New Beat

Friday, May 7

S·U·N·D·O·G·S·

Alternative Rock

Saturday, May 8



All Shows \$3.00 Cover! Can't beat that!  
To get to The New Beat take Hwy. 63  
South 1 mile past Walmart SuperCenter,  
look for our flashing sign and turn on  
Hwy 66 (Just before Big Bear) go 1/4  
mile. The New Beat is on the right  
behind Robin Hood's Archery Den.  
Parking and entrance is in the rear. For  
more info call 341-JAMS

Serving your favorite draft, bottled beer & beverage coolers.

## CONGRATULATIONS to the 1993-94 UMR T.E.C.H.S. Peer Educators

Francine Belaska  
Sean Bentley  
Brian Beyer  
Gayatri Bhatt  
Yan Pei Chao  
Andy Dooley  
Terry Hall  
Bradley Harvey  
Brian Hunnius  
Fazal Khurram  
Kyle Koederitz  
Rayna Koopman  
Kirk Kreisel

Steven Lang  
Jeff Lewallen  
Ronald Longwell  
Carmen Murrell  
Regina O'Brien  
Craig Pidcock  
Jeff Rush  
Claire-Nechol Sevier  
Angela Urbanc  
Eric Utterson  
Sabrina Voshell  
Steven Weber  
Sarah West

4247

5998