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Missouri Miner



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

March 4, 1992

Volume 80, Number 20

Twenty-four pages

Newly developed batteries may reduce consumer's utility costs

News Services
SOURCE

Newly developed batteries that store energy for use during power outages and peak alerts could also reduce utility costs for consumers, says a University of Missouri-Rolla professor who is designing a system that would allow utility companies to use the batteries.

Dr. Max Anderson, UMR professor of electrical engineering, is working with GNB Industrial Battery Co., developers of the valve-regulated lead acid battery (VRLA), to design the system. Assisting Anderson are Steve Eckroad, a UMR staff engineer and graduate student, and Scott Deffenderfer, a UMR graduate student.

"Although there is no way to store alternating current, batteries can store direct current," says Anderson. "The VRLA batteries are designed to take the repeated charging and discharging needed for peak shaving, a term that refers to reducing the amount of kilowatts used during periods when the demand for electricity is highest."

Anderson explains that the highest demand for power occurs during winter mornings and on summer afternoons when air conditioners are on. The minimum power demand is around 5 a.m. The load could be made more constant when the demand is low by charging the batteries for later use during peak periods.

Not only could consumers save money on their electric utility bills, but there could be other long-term benefits as well, says Anderson.

"For example, if a utility company supplies emergency power to a hospital or police station, the battery system could provide electricity if the main system goes out," he says.

In addition, because the batteries allow the load to be leveled out, the high magnetic fields produced by peak currents can be avoided. This would reduce the risk of exposing people to high magnetic fields, which some health experts believe may cause cancer.

By allowing energy to be stored, battery systems also could allow utility companies to defer construction of new power plants or more transmission lines, which might otherwise be

needed to keep up with increasing load demands, adds Anderson.

The UMR researchers are designing the battery system to fit the application. "We will determine the requirements for the system based on the size of the peak that needs to be shaved," says Anderson.

"The system we are developing is made up of cells much like a car battery, which has six 2-volt cells combined to make a 12-volt battery," says Anderson. "In comparison, we will combine a 1,000-volt system that will be stacked on top of each other to show the much more energy to save money."

"We want to show the much more energy to save money."

research project.

The battery system will be demonstrated at Pacific Gas & Electric Co. in northern California and the Puerto Rico Electric Power Authority. The UMR research is being funded by the Sandia National Laboratories of the Department of Energy.

Abbett donates to Civil Engineering Department

News Services
SOURCE

Ruth V. Abbett, the widow of a University of Missouri-Rolla alumnus, recently contributed \$100,000 for scholarships in civil engineering at the university.

The funds will provide one to five scholarships annually for civil engi-

neering education by attracting and retaining an eminent professional in the civil engineering field."

Mrs. Abbett is the widow of Robert Abbett, who received a degree in civil engineering in 1927 from UMR, which was then the University of Missouri School of Mines and Metallurgy.

Robert Abbett was a founding partner of Tippetts-Abbett-McCarty-Stratton, an international engineering



ring students, according to Dr. Joseph E. Minor, chairman of UMR's civil engineering department.

Mr. Abbett also bequeathed \$1 million in 1991 to establish the Robert W. Abbett Distinguished Chair in Civil Engineering at UMR.

"When it is established, the distinguished chair will be a memorial to Robert Abbett, one of UMR's distinguished alumni and a founding member of UMR's Academy of Civil Engineers," says Minor. "It also will help UMR maintain its leadership in engi-

and architectural firm based in New York. During his 25 years with the company, he directed port development projects throughout the United States and in more than 50 countries. He was noted for his design of the Broadway Bridge over the Harlem River and the Roosevelt Island Bridge.

Mrs. Abbett, who with her late husband was a founding member of UMR's Order of the Golden Shillelagh, is a member of the Chancellor's Society at UMR. She lives in New York City.

Coffman to take new position UMR professors create bridge design software with Chicago organization

News Services
SOURCE

Thomas M. Coffman, vice chancellor for University Advancement at the University of Missouri-Rolla, will leave UMR April 30 to become executive vice president and chief administrative officer of the Orthopaedic Research and Education Foundation, Dr. William Collins, foundation president, announced today.

"Tom was a unanimous choice of the search committee," Collins said. "We are extremely pleased that he has agreed to lead our foundation."

Coffman has been at UMR since September 1988. "Tom has had a tremendous impact on the organization of our advancement and development programs," UMR interim Chancellor John T. Park said. "We will

miss his leadership very much, but I understand that this is a tremendous opportunity for him. We wish him the best."

In his new position, Coffman will direct the development of strategic plans and strategies for foundation fund-raising, grantsmanship and public relations programs in support of multiskeletal research. He also will serve as the foundation's senior public affairs liaison for the community at large and provide the foresight and vision to move the foundation's boards forward.

The Orthopaedic Research and Education Foundation is located in Chicago.

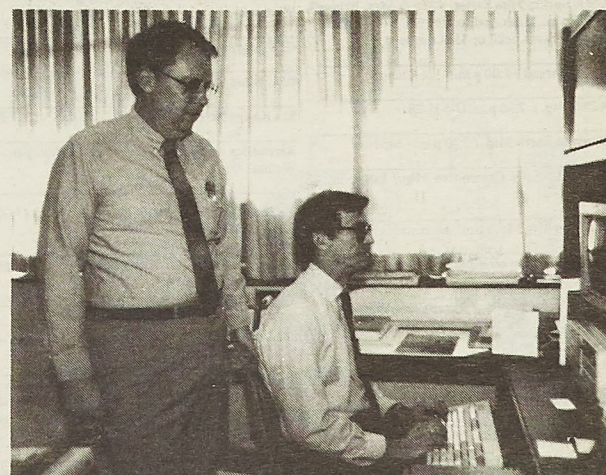
Prior to joining UMR, Coffman was vice president of institutional advancement at Albion College, Albion, Michigan.

News Services
SOURCE

Researchers at the University of Missouri-Rolla are providing a necessary link in a computer used by bridge design engineers at the Missouri Highway and Transportation Department.

"The Bridge Design System is a computer software package used to analyze steel, concrete and pre-stress concrete bridge structures," explains Dr. Charles Morris, UMR associate professor of civil engineering. "At present, the system does not provide a visual display of the information the designer enters into the computer or a printout of the data."

Morris and Dr. Roger LaBoube, UMR associate professor of civil engineering, are developing an interface software package for the MHTD. The



Doctors Charles Morris and Roger LaBoube (seated) are designing software for the Missouri Highway Department.

See Bridge, page 8

Calendar of Events

Wednesday

Student Lawyer/Walnut / 2:30 p.m.

UMR lady Miner softball, East Central Community College, 2:30 p.m. UMR softball field.

Student Activity Fee Board Mtg. / 3:30 p.m. Walnut

Geological and Geophysical seminar, Tom Freeman, "A Geological Travelogue through Iberia" / 4:30 p.m. Rm - 204, McNutt Hall.

Student Activity Fee Board Mtg. / 3:30 p.m. Walnut

Student Lawyer / 2:30 p.m. - Walnut

Wesley / 6:00 p.m.

Blue Key / 6:15 p.m. - 216 ME

Spelunkers Club Mtg. / 6:00 p.m. - 204 McNutt

AICHe Mtg. / 7:00 p.m. - G-3 Schrenk

SPS Mtg. / 7:00, 104 - Physics.

AGC Mtg. / 7:00 p.m. -114 CE

SME / 7:30 p.m. - 204 McNutt

Cycling Club Mtg. / 8:00 p.m. - 210 McNutt

Newman Mass / 9:00 p.m.

Juggling Club Mtg. / 9:00 p.m. - Miner Rec. Bldg. - Beginners are welcome

Campus Crusade for Christ / 9:00 p.m. Maramec

Thursday

Newman Scriptures / 12:30 p.m.

Adult Children of Alcoholics Mtg. / 1:30 p.m. - 201 Norwood

Personal Resource Development Workshop, "Test Anxiety" / 3:30 p.m. Rm 208 Norwood Hall.

Physics Colloquium, Bahram mashhoon "gravitation" / 4:00 p.m. Rm 104, Physics Bldg.

Chi Epsilon Pledge Quiz II / 4:30 p.m. CE 117.

Toastmasters / 4:45 p.m. - Top floor of UCE

IK / 6:00 p.m. - 204 McNutt

Eta Kappa Nu Mtg. / 6:00 p.m. - 103 EE

Pi Tau Sigma Mtg. / 6:00 p.m.

APQ Mtg. / 6:30 p.m.

Hang Gliding Club Mtg. / 6:30 p.m. - 105 ME

KME Free Math Help Sessions / 7:00 p.m. 203 M-CS

UMR Spring Film Series, "Mr & Mrs. Bridge", / 7:00 p.m., Miles Auditorium, ME Bldg., Admission by season ticket or \$3 at the door.

W.T. Schrenk / 7:00 p.m. - 121 ChemE

ACM Mtg. / 7:30 p.m. G-5 H-SS.

Down to Earth Mtg. / 7:30 p.m. - Mc Nutt

StuCo-St. Pat's Committee Mtg. / 8:00 p.m. - 204 McNutt

Starfleet Mtg. / 8:00 p.m., Meramec Rm, UCE

La Verne / Abercrombie Jazz Quartet / 8: p.m. Castleman Hall.

Friday

MSA Mtg. / 1:30 p.m.

Trap & Skeet / 3:30 p.m. - T-2

Show-Me Anime Mtg. / 6:30 p.m. - 212 McNutt

SUB Presents: Boyz N the Hood / - 7:00 p.m., 9:00 p.m.

IVCF Mtg. / 7:00 p.m. - 139 Schrenk

African-American Heritage Month Activity, Na'im Akbar" The legacy of slavery and the

regaining of lost values/ 7:00 p.m. Centennial Hall, UCE, for more information call Mary Pulley at 341-2677.

Campus Performing Arts Series, "David Low, Cellist," / 8:00 p.m., Leach Theatre, Castleman Hall. Performance is sold out but check for tickets at the window 15 min before curtain time.

Saturday

Mid-Semester.

Chi Epsilon Dollar Pen Year Workday / 8:00 a.m. Student Chapter office.

Open Gaming / 9:00 a.m. - 317 CE

UMR men's tennis vs CMSU/ 10:30 a.m., and Southwest Baptist, time to be announced, in Warrensburg.

Society of Creative Anachroism Mtg / 2:00 p.m. Robin Hoods Den. For more information contact Ken Lynch 364-5742

India Students Assoc. Mtg. / 4:30 p.m. - 114 CE

SWE Mtg. / 5:45 p.m. UCE

SUB Presents: Boyz N the Hood / - 7:00 p.m., 9:00 p.m.

Sunday

UMR men's baseball, Charleston College, 9:00 a.m. and Marietta College, noon in Panama city, Fla.

Solar Car Team Mtg. / 4:00 p.m. 208 Physics.

Student Mass / 5:00 p.m.

Wesley Chapel / 7:00 p.m.

UMR Symphonic Band Concert, / 3:00 p.m., Leach Theatre, Castleman Hall. Admission Free. For more information call Joel Krammer, 341-4109

Monday

UMR Lady Miner Softball doubleheader, vs Grand Valley State University, 8:00 a.m. and Sacred Heart University, 9:45 a.m. in Ocoee, Fla.

Toastmasters Club regular meeting / noon - Missouri Room UCE - For more information contact Steve Watkins at 341-3621 or Laura House at 341-5372.

UMR men's tennis vs Jefferson College/ 3:00 p.m. UMR Tennis Court.

Psychology Mtg. Linda Minor, "Jobs available in Social Work" / 3:30 p.m. Rm 101, HSS

Chemistry seminar, "Noble Gas Record of Double Beta Decay" / 4:30 p.m. G-3 Schrenk.

Christian Campus Fellowship Mtg. / 6:00 p.m. - Missouri

GDI Bog / 6:00 p.m. - Maramec

BSU Bible Study / 6:30 p.m.

Eta Kappa Nu Help Sessions / 7:00 p.m. - 101 EE

Alcoholics Anonymous Open Mtg. / 7:00 p.m. - Walnut

National Society of Black Engineers Mtg. / 7:00 p.m. - 204 McNutt

UMR Mens baseball, Ohio Dominican College / 7:30 p.m., Panama City, Fla.

Koinonia Bible Study / 8:00 p.m. - Maramec

Tuesday

UMR Lady Miner Softball doubleheader, vs Indiana University of Pennsylvania, 8:00 a.m. and American International College, 11:30 a.m. in Ocoee, Fla.

UMR men's tennis vs Cawley Community College / 3:00 p.m. UMR Tennis Court.

UMR Mens baseball doubleheader, Ohio Dominican College / 9:00 a.m., and Shawnee State College, noon, in Panama City, Fla.

Geological Engineering seminar, J. Elliott Thomas, "Innovative Site Investigation Techniques: Alternative, Cost - and Time - Effective Approaches to Hazardous Waste Site Characterization" / 3:30 p.m. Rm 204 McNutt.

Management Systems seminar, Greg Factor, "Managing a Software Development Project" / 3:30 p.m., Rm 107, Harris Hall.

StuCo Mtg. / 6:30 p.m. - 204 McNutt

Chi Alpha Mtg. / 7:00 p.m. - Maramec

IEEE Mtg. 11- McNutt, 7:00 p.m.

KME Math Help Sessions / 7:00 p.m. 203 M-CS

StuCo St. Pats Mtg. / 8:00 p.m. - 204 McNutt

KME Free Math Help Sessions / 7:00 p.m. 203 M-CS

Kappa Mu Epsilon Mtg. / 8:15 p.m. G-5 H-SS

KME Mtg. / 8:15 p.m. G-5, H-SS

Next Wednesday

UMR Mens baseball, Ohio Dominican College / 9:00 a.m. in Panama City, Fla.

Sigma Xi Mtg / noon Missouri Room, UCE. Bring a snack Lunch.

Student Lawyer/Walnut / 2:30 p.m.

UMR lady Miner softball, East Central Community College, 2:30 p.m. UMR softball field.

Student Activity Fee Board Mtg. / 3:30 p.m. Walnut

Wesley / 6:00 p.m.

Spelunkers Club Mtg. / 6:00 p.m. - 204 McNutt

SPS Mtg. / 7:00 p.m. 104 - Physics.

Theta Tau Omega presents "CASINO NIGHT" / 7:00 p.m. to 12:00 a.m., at the Armory.

Cycling Club / 8:00 p.m. - 210 McNutt

Newman Mass / 9:00 p.m.

Campus Crusade for Christ Mtg. / 9:00 p.m. - Maramec

Juggling Club Mtg. / 9:00 p.m. - Miner Rec. Bldg. Beginners are welcome.

Noday

UMR's Amateur Radio Club (WOEE) is looking for people who have licenses or are interested in earning a license. Learn about Radio Communication! Earn Privileges to talk to people around the world! Tune in to Amateur Radio!

The club offers:

*Assistance with earning a license or license upgrade.

*Access to Ham Radio Publications.

*Technical Support

*Access to the club's station.

The WOEE 145.45 Mhz repeater.

The club meetings are on the 1st and 3rd Wed. of the month at 7:00 p.m. at the shack. The shack is on the NW corner of the Rolla Bldg. in the basement. Talk in on 145.45 Mhz.

The Phonathon office has moved to the first floor of Buehler Bldg., Mailing Address is 101 Buehler Bldg., Calling Facilities are in rooms 102, 103, 104

Public Call To Democrats for 1992 Presidential Caucuses. All Democrats in Phelps County interested in the delegate selection process should gather at the Elks Lodge on Highway 63 South across from CC Highway in Rolla on Tuesday, March 10, for their country mass meeting which will begin promptly at 7:30 p.m. For further information contact Sandy Allison at 341-3549.

The Missouri Small Business Development Center and Jefferson Smurfit Center for Entrepreneurial Studies, St. Louis: are co-sponsoring the Collegiate Entrepreneur Award. For more details contact UMR SBDC, Rm 223- Engr Mgmt Bldg, 341-4561.

Homecoming 1992. The homecoming Committee is proud to announce the theme for 1992 "ROCKIN' THROUGH THE AGES". If you are

interested in helping program Homecoming 1992, call SUB office 341-4220.

Financial Aid

For more information and/or applications pertaining to the following scholarships, contact the Student Financial Aid office, G-1 Parker Hall.

NATIONAL SCHOLARSHIP PROGRAM OF THE PRINTING, PUBLISHING AND PACKAGING INDUSTRIES

The trustees of the National scholarship Trust Fund take pleasure in announcing the annual national competition for approximately 100 scholarships to be awarded for professional and executive careers in the graphic communications industry. Eligibility requirements:

- * Interested in a career in graphic communications.
- * A high school senior or a high school graduate who has not yet started college, or
- * A college freshman, sophomore, or junior who is enrolled in a two or four year college program.
- * Must be a full time student.

Deadline: March 15, 1992

AMERICAN ELECTROPLATERS AND SURFACE FINISHERS SOCIETY

For students interested in a career in the electroplating and surface finishing industry. Criteria: *Undergraduate students must be studying in metallurgy, metallurgical engineering, materials science or engineering, chemistry, chemical engineering or environmental engineering.

*Financial need is not a factor

Application Deadline: April 15, 1992

1992-93 ACT/FFS Available

The ACT Family Financial Statements for the 1992-93 academic year (Fall 1992 and Winter

1993) are available for students in the foyer outside the Student Financial Aid Office (G-1 Parker Hall). This form must be completed in order for a student to be considered for a Pell Grant, College work Study, Perkins Loan, university loans, Missouri Grant, the Stafford Student Loan Program, the Income Contingent Loan Program and for the PLUS/SLS Loan Program for the 1992-93 academic year. First considerations will be given to those students whose ACT-FFS is received by the processing agency by March 31, 1992.

EMERSON CONGRESSIONAL SCHOLARSHIP

Congressman Bill Emerson has used his salary increase for 1987-88 and a portion of his speaking engagement honoraria to endow the Emerson Congressional Scholarship Fund for needy college students. Any student who will be attending any four-year or two-year public university in the Eighth Congressional District, which includes UMR, is eligible to apply.

Applicants must meet the following criteria:

- *Reside in the Eighth District (permanent home residence).
- *Be a full-time undergraduate student.
- *Have completed at least one semester of college level work and have achieved at least a 2.5 cum GPA.
- *Have education-related financial need in excess of Pell Grant assistance.

Application Deadline: April 1, 1992.

Costal Bent Chapter of American Society for Materials

The Costal Bend Chapter of ASM International will award a \$1,000.00 scholarship to a second-year student pursuing a four-year Bachelor of Science degree in materials science, metallurgical engineering or a materials science option to mechanical engineering. The scholarship will be for the 92-93 academic year. Deadline for making application is April 1, 1992.

See Financial Aid, page 7

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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Comments

Multiculturalism: A radical political correctness idea

Editor

I would like to reply to some of the comments made by Diganta Das. I thank Mr. Das for his very polite rebuttal to my earlier letter. It is good to know that the free and open communication of ideas and beliefs is still a part of the educational ideals in America.

First my point. I will restate what I said in my earlier letter, namely, that Mr. Das' definition of multiculturalism is idealistic at best. In fact, I do not believe that democracy should be abandoned, unless we can find something better to replace it. As far as I know, there is nothing better. As for multiculturalism, I do believe that something better can be found.

The coincidence that Mr. Das speaks of is exactly what I am trying to point out. Namely, multiculturalism is the new radical PC idea, and it needs to be tempered by something in order to reach a more moderate proposal. Even Mr. Das hopes that moderation will succeed in the end.

I will note that Mr. Das, not I, originally condemned a large portion of the population as ignorant. I simply pointed out that those who are so, will remain thus. A basic reality. Let's face it, given someone who was brought up to believe that blacks were barely human beings (take a look at the South, these feelings still persist — or for an

example closer to home, look at Sullivan, MO, just a short jaunt up Interstate 44), what are the chances that such a person will make the attempt to learn and appreciate black culture? Slim to none in my opinion.

I thank Mr. Das for his suggestion that I try to find out about those who are not ignorant. By his own definition, I have the intellectual capacity to understand and appreciate other cultures. But I will note that I was not encouraged by my family to be informed. My development is not anything new. I grew up in a relatively large family and consequently became lost in the shuffle. And I will also note that many in my family do not share my beliefs when it comes to other cultures.

My arithmetical argument stemmed merely from Mr. Das' continued use of the word "majority" in his original letter. I attempted to show that there is no such thing as a Jewish majority in the U.S. Furthermore, the theological tenets of Judaism and Christianity can not be considered similar. The dietary laws are different, the moral laws are different, and the fundamental Christian belief in Jesus as the Messiah runs completely contrary to Jewish belief. Note that I said, fundamental Christian belief, i.e. the belief on which all of Christianity is built. And I did not attempt to say that

Americans and Palestinians had shared cultural heritage, merely that the religious bond is closer between Americans (who again do not have a shared religious heritage). Finally, I must say that in one sense I am a Muslim. I find Mohammed to be an admirable historical figure and the Koran to be a book that espouses the morality with which I agree and which I think would solve the problems of teen pregnancy and premarital sex. (Is the sarcasm evident?) And, in another sense I am a Confucian. And in another sense, I am a Buddhist. You get my point. I was not putting non-believers out of the mainstream (if they are already there, it is through no fault of mine). Mr. Das claimed that they (as a part of the American population) had a shared religious and cultural heritage with the Israelis, and implied that they didn't have one with the Palestinians. Obviously, from his statement concerning the sense in which one shares a religious heritage, they could have shared religious heritage with both. Or as I stated in my previous letter, the religious heritage between Christians is more prevalent than that between Christians and Jews. Either way, Mr. Das' argument doesn't work.

I would like to clarify that I do not ridicule the liberal American tradition. Instead, I would like to attempt to

show that liberalism and conservatism have created a unique blend of ideas which have formed the U.S., which does include the idea of exploring and understanding, but leaves the choice up to the individual. A forced multicultural curriculum, at any school, whether it be early or late in the education process, would negate that eventual choice. Comparing a multicultural curriculum to mathematics and physics is not a valid comparison. The latter are obviously rigorous (i.e. well-defined and consistent) disciplines designed to be rigid as well. (The laws of mathematics and physics, on a basic level do not change) The former, the multicultural curriculum will reflect the ideas of whatever group is in power at any particular time. It is not rigid and cannot be classified as consistent. If the wind ever shifted from equal rights for all races, creeds, colors, genders and sexual orientations to something completely opposite, those ideas too would be the curriculum. That is the problem that I see with the PC tradition that seems to be growing in American. When the wind shifts, the PC are quick to jump the ship they were originally on, even if the one they are joining is completely antithetical to the one they just left.

Those thinkers that Mr. Das names as explorers and those he would like to follow are few. And I think that re-

flects the fact that people in general who think and explore are very much in the minority. And it is for that reason that I may have sounded discouraging. However, I think that I am being more realistic (or should I say, less idealistic) than Mr. Das when it comes to the prospects of multiculturalism. As he points out, the appreciation of diversity is not important to some people. But as I said, those are the people that multiculturalism will never reach.

Finally, I would like to make note of Mr. Das' use of the term right-wing ideologues. It is obvious that there are extreme conservatives in the U.S. who do oppose change, who adhere strongly to the status quo. But, I think that the use of terms such as the one I mentioned keep us from getting to the heart of what America has been about since its conception, namely compromise. If we really want to sit down and discuss views rationally, we must attempt to discard the labels of the past and move toward enriching discussion without the use of pejorative or generalizing terms. It may seem that I am strictly conservative, but that is not the case, and such terms do not show the whole of my beliefs, just as the term left-wing ideologue does not show the whole of Mr. Das'.

Clyde Voelkerding

The current legend creation about Egypt and Afro-Centrism

Egypt and Black History Month
by: Diganta Das

The angry letter from Marvin Francois on this topic makes some strong points. There should not be any serious disagreement on the fact that it is not racist to celebrate black history month. The disturbing part is the current legend creation exercise about Egypt and Afro-Centrism.

It is not factual to say that historians do not accept the existence of great Egyptian civilization. People all over the world know about ancient Egyptian architecture, literature, science and culture. The destruction of the great library of Alexandria is a matter of regret to all historians. The due credit should be given to the European scholars and explorers who rediscovered and chronicled the saga of Egypt. The doubt is in the question of authenticity of including Egypt in the black history month observance. The geographical location of Egypt in Africa is not enough to prove the legitimacy of that. The ethnic background of the Pharaohs and Cleopatra is yet to be clearly established. The "proofs" of their being black is not very convincing. Apart from the disputable historical evidences, there are some other serious difficulties regarding the Egypt-centric world view.

1. This approach actually seeks the easy way out. Instead of doing the tedious task of discovering the documenting history of the other parts of Africa, this world view claims heritage to an already accepted civilization. Some historians did refuse to acknowledge the African culture before colonization. The stronger evidence against the claim would be the arts and artifacts of sub-Saharan Africa, the area about which there is no dispute concerning ethnic background. There are evidences coming out from new discoveries about the reality of valid though different kinds of civilizations in Africa. In the Smithsonian there are ample number of exhibits on this subject.

2. The Afro (Egypt)-centric viewpoint does accept the central and almost supreme role of European culture ignoring other early civilizations. The claims to Egyptian superiority comes from the argument that it influenced the Greek and Roman society and so the glory of Europe is actually borrowed from Africa.

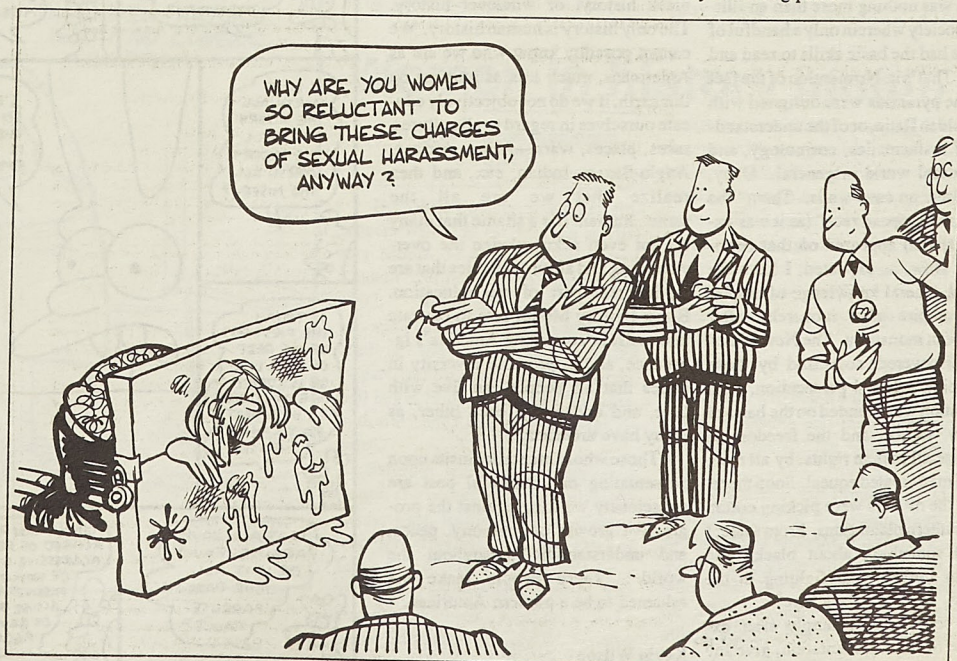
3. The Egypt-centric attitude also plays directly into the hands of historians of the other extreme. They are quick to point out the prevalence of slavery in ancient Egypt. That furnishes them with the excuse of diluting the responsibility of others in the question of slavery. Slavery, they

argue, had been an African tradition.

History written by conquerors and colonizers had not always been truthful, it had been biased and ignorant. The answer to that is not through building a counter-myth. (the latest

Michael Jackson video is one step in that myth creation) The African culture had indeed been real, and efforts should be channelled to bring the attention of the world to that. The problem of creating myth is when it breaks, it

hurts generations who believed in it. There are great achievements in the anti-colonial struggle, highlight that. In the African-American history there are great moments and people, project that. The tendency to cling to a romanticized (and uncertain) past is not a fair way of feeling pride.



An abusive intellect You will recognize your brothers

Oh the abuses of intellect!

Have you met anyone with a case of *Dysaesthesia Aethiops* recently? White psychologists developed this category of disease to explain the maladies that they observed in freed black people in the USA in the 1850s.

I learned about this while reading Suman Fernando, *Mental Health, Race & Culture*. NYC St. Martin's Press, 1991.

Dysaesthesia Aethiops, was described as a disease affecting both mind and body, with "insensibility" of skin and "hebetude" of mind, commoner "among free slaves living in clusters by themselves than among slaves in our plantations, and attacks only such slaves as live like free negroes in regard to diets, drinks, exercise, etc." Cartwright (1851) claimed that nearly all "free negroes" were afflicted by this condition if they had not got some white person to direct and take care of them." Consequently, he saw the "disease" as "the natural offspring of negro liberty—the liberty to be idle, to wallow in filth, and to indulge in improper food and drinks."

The second disease described by Cartwright was more straightforward—"Drapetomania, or the disease causing slaves to run away." After attributing the condition to "treating them as equal" or frightening them by cruelty, Cartwright advocated a mixture of "care, kindness, attention and

humanity," with punishment "if any one or more of them, at any time, are inclined to raise their heads to level with their master or overseer...until they fall into that submissive state which was intended for them to occupy." 36(Cartwright, S.A. *Report on the diseases and Physical Peculiarities of the Negro Race*, New Orleans Medical and Surgical Journal, may 1851, 691-715; reprinted in A.C. Caplan, H.T. Engelhardt and J.J. McCartney (eds) *Concepts of Health and Disease* (Reading, Mass: Addison-Wesley, 1981).

There were additional "theories" that these "psychologists" ad "sociologist" came up with. I remember reading about a theory which said it's best to keep slaves in warm weather (climate of Southern U.S. in contrast to the North) because the cold weather effects the mind and body of slaves. The theory proposes that cold weather causes Negro slaves to become delirious, and causes them to become run aways...

Southerners used this as well as other crazy ideas to justify slavery. But this theory about the cold is most ironic. If the southern states were warmer than the northern states, the effect of this "disease" should have been minimal in the south. Of course, the underground railroad, and many attempts by slaves to go to colder, northern completely washes that "theory" down the tubes.

YOU WILL RECOGNIZE YOUR BROTHERS

You will recognize your brothers by the way they act and move throughout the world.

There will be a strange force about them, there will be an unspoken answer in them.

This will be obvious not only to you, but to many.

The confidence they have in themselves and their people will be evident in their quiet saneness.

The way they relate to women will be clean, complimentary, responsible, and with honesty.

The way they related to children will be strong and soft, full of positive direction.

The way they relate to men will be that of questioning their position in this world; will be one of planning for movement and change; will be one of gaining and maintaining trust within the race.

These men will seem strange and unusual but this will not be the case for long.

They will train others and the discipline they display will become a way of life for many.

They know that this is difficult but this is the life they have chosen for themselves, for us, for life.

They will be the examples; they will be the answers; they will be the first line builders; they will be the creators; they will be the first to give up the pleasures; they will be the first to share a

black value system; they will be the workers; they will be the scholars; they will be the providers; they will be the historians.

They will be the doctors, lawyers, farmers, priests, and all that is needed for development and growth—

You will recognize your brothers and they will not betray you!

Haki Madhubuti



Human history above all

Editor

Re: Is Black History Month Racism?

I would like to reinforce of words of Marvin Francoise.

My experience with historical teachings has been just as he depicted. I was taught in primary school that Egypt was nothing more than an illiterate society wherein only a handful of people had the basic skills to read and write. That's it. No mention of the fact that the pyramids were designed with the Golden Ratio, or of the understanding of mathematics, cosmology, and the natural world in general. Okay, they drew on cave walls. Then, "the original European race" (as it was exactly stated) appeared on that continent. Now, as expected, I have the typical general knowledge of empire after empire after monarchy after European monarchy. The New World was discovered, colonized by those "escaping political persecution," and this nation was founded on the basis of liberty, justice, and the freedom to exercise all human rights, by all men, for all men created equal. Soon thereafter, the niggers were picking cotton on Southern plantations. From there, I heard something about blacks and Martin Luther King fighting in the streets. What's wrong here?

I could give example after example of misrepresentation, give my

reasoning for such ignorance, concern myself with opposing racism and its concurring hypocracies, or argue the mere definitions of racism and supremacy and prove that both are all but truly understood in the American context; but I won't.

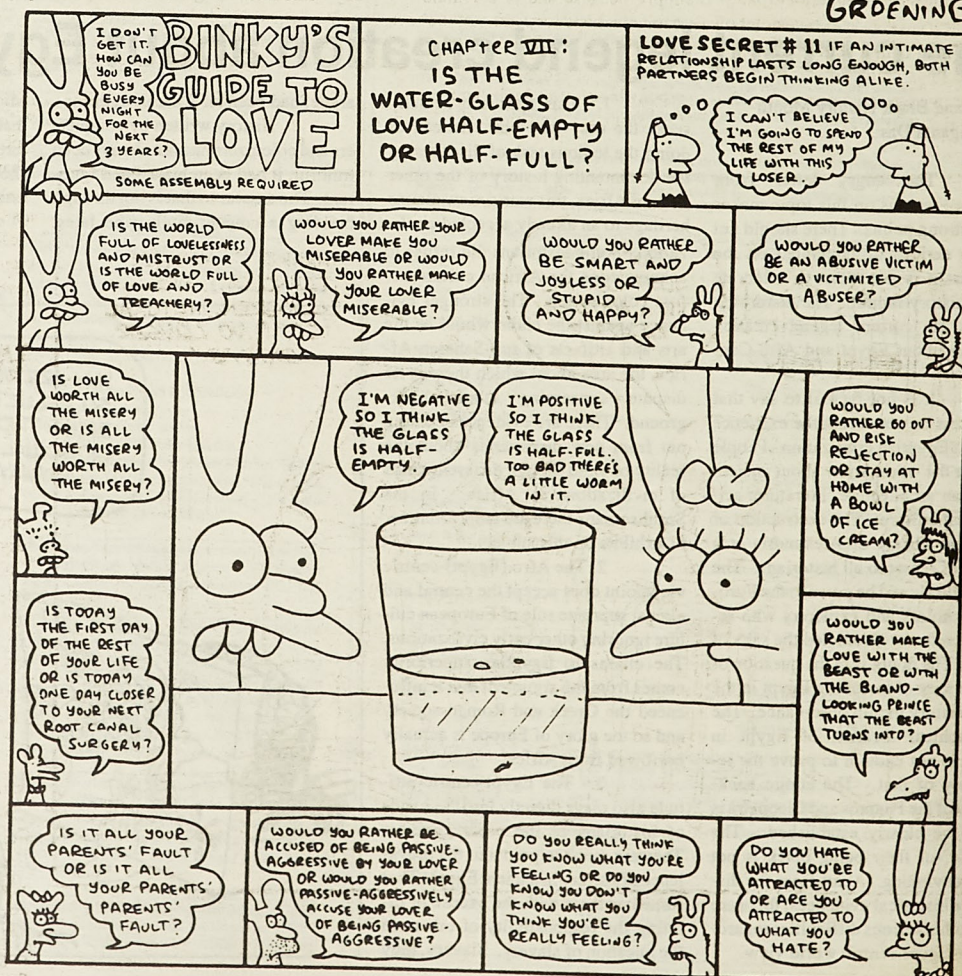
The point I want to make is that there should be no white history, or black history, or whatever history. The only history is human history. We cannot possibly know who we are as Americans, much less as humans on this earth, if we do not objectively educate ourselves in regard to all cultures, races, places, wars—Asian, African, Anglo-Saxon, Indian, etc., and then realize that we are all the same...human. It's a shame that many do not even acknowledge the overwhelming and absurd fallacies that are an inherent part of our education. Black History Month acts to educate and assist in correcting America's ignorance, and to promote diversity in hopes that all people can live with love, and understand each other, as many have dreamed.

Those whose mentality insists upon perpetuating our shameful past are consciously working against the progressive growth of harmony, peace, and understanding throughout the world. These people make me ashamed to be a modern American.

Kevin Wilson

LIFE IN HELL

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MATT
GREENING



Abortion: Another point of view

Dear Editor:

The following is in regard to the article, "Abortion rights: sickness in society" by Rob Hobart (Wednesday, February 19, 1992):

Let me begin by stating that I do not consider myself pro-abortion nor anti-abortion. If it was a clear-cut issue, the controversy would have been laid to rest long ago. Mr. Hobart states, "Women who have abortions are, quite simply refusing to take the consequences of their irresponsible sexual behavior...."

If this were completely true, women could be solely held accountable for conception. A child, however, inherits one-half of its genetic make-up from the father. But the father's "irresponsible sexual behavior" does not become an issue unless he chooses to exercise his parental rights to the child. Morally right or wrong, he has a choice.

Will you legally force him to accept financial responsibility? Only 44% of absent fathers pay child support. Will American society provide support when the father is unable or chooses not to be held accountable? In the richest country in the world, 19.6% of children under age 18 live below the poverty line.

Will you hold the woman solely responsible for that child because of a physical predisposition? She carries the child for nine months and, therefore, must assume responsibility for child rearing? Few will argue that maternal nurturing is superior to paternal nurturing. From a rational point of view, a man is in a better position to provide for a child since a man will have, on average, a salary income 32% greater than that of a woman.

Will you tell me, "She should put the baby up for adoption. There are lots of couples wanting to adopt babies." First, giving up a baby is not like giving up a pet retriever. Second, the realities of the world require you to qualify this statement: There are lots of couples wanting to adopt healthy, white babies. Will society be willing to provide care for the unadoptable children? Pay more taxes?

It is a miraculous experience when a man and woman bring a child into the world and raise that child. But rape is a very ugly experience. Will you allow in the cases of rape or incest? Will you require a rape conviction? Rape is the most difficult crime to confirm. Rarely are there witnesses. Without witnesses, it becomes his word against her's, providing an atmosphere for reasonable doubt.

At the time of this writing, the Irish Parliament is discussing Ireland's abortion law. A fourteen-year-old rape victim is being denied an abortion. She is just a baby. By virtue of her age, she is at a greater risk of complications during pregnancy, jeopardizing her own physical health. Is her life important?

MEN: If your wife or girlfriend is raped and becomes pregnant as a result of that rape and is required by law to follow through with the pregnancy, will you stay with her? And if she chooses to keep the baby, will you raise it as your own? If not, how can you expect the woman to be held accountable? Did she ask to be raped simply because she is a female? I genuinely hope you do not believe this.

So, if a woman is not ready for the responsibility of a child, she must refrain from sex and pray she is not

raped. MEN: Who will you be sleeping with tonight? Are you willing to go without sex?

Should women with a medical condition such as diabetes be restricted from getting pregnant because she might need an abortion to save her own life? ...since "abortion" is a dirty word. Should she rely on the "infallibility" of the medical profession to determine whether or not she can safely have a baby? Is it God's will whether she lives or dies? The next time you come down with pneumonia or are injured in a car accident why don't you leave it to God's will? ...because God's will does not work that way. Her life does not become devalued because she is pregnant.

If you tell me that pregnant women in physical danger are not denied abortions, I'll tell you to pick up the newspaper. Medical personnel are afraid to perform abortions regardless of the circumstances of the pregnant woman. Physicians are terrorized; their families are threatened.

The targeting of medical personnel is unjustified. If you don't like abortion, you go to the law-makers and have the law changed. Do you blame the U.S. government for Vietnam or do you blame the soldiers who obeyed the law? And if you choose to put an individual's life in danger for your "cause," then your "cause" is meaningless.

If you focus on anti-abortion ideology without ensuring the fundamental rights (i.e. food, shelter, health care, education, physical safety) of the children in our society, then you are expiration of air.

Rugby's getting the shaft

Dear Editor,

The UMR Rugby Football Club (UMRRFC) has recently been having some problems which I wish to bring to the attention of all on this campus. The UMRRFC had scheduled their first games of this season on Friday night, February 21. The only time the other teams — Jefferson City and St. Louis Falcons — were both available to play was 7 p.m. this meant that the team would need lights in order to be able to play a night game.

This particular circumstance occurs approximately once a year. The fields with lights include the football practice field and the intramural fields. The football coach said they could not use his fields due to excess rain that week. Rob Holder, the intramural director, said many contradictory things when the team was finally able to reach him on Thursday. He said that had the team contacted him sooner, that he might have been able to apply something to dry out the fields and allow them to use them. He then said that "his" fields were too wet and muddy for the team to play on. The president of the team, Sam Welge, said that the team was more than willing to roll and seed the field after their use on Friday. Rob then said that the cleated shoes of the teams would tear up the grass and that rolling the field would only damage the grass further. When asked about his statement of there being no grass on the field, Rob stated that there was no decent grass yet, but if not used the field would grow grass.

The team went to Linda Martin on Friday and through her calling Vice Chancellor Neil Smith, was able to procure the use of one of the fields — with sparse grass — for use on Friday. Rob Holder then was called by Vice Chancellor Smith and told that he was to supervise the fixing of the field to his satisfactions. Mr. Holder then told the team that he was being made to let them use the field, but that he would never allow this again in the future.

The UMRRFC does "have" a field to play games on. It is located on fraternity row. This field does not have lights nor does it have a fence to keep people from leaving large ruts in the playing field. They have been told that this is their field to take care of. There are no signs on the field proclaiming it theirs anymore than there are signs on the intramural or football practice fields near the Multi-purpose building proclaiming it to be owned by the intramural or football teams. Yet, if someone must call Mr. Holder for use of the intramural fields and the football coach deems the practice field solely his, should not the Rugby team be given a locked fence so that they may claim this land solely theirs?

There apparently is no place on campus that a student may use for his or her own personal use. If I wanted to play frisbee with some friends and was not liked by Mr. Holder, would I have to drive to a park to play? The team was told that Rugby is a rough sport that tears up the ground. This fact is undeniably true. But, football is also rough, as often can be frisbee, or any other sport played by people working off steam.

I assert that the money I pay the University in my fees and the tuition should be paying for someplace that I may enjoy at my leisure and not at the subjective opinion of one Mr. Holder. I don't play intramurals nor do I play or watch football. I could care less if the team's field is a little muddy, but I do care that my money is going to keep people off fields because they might damage the field. I do not hold any grudge against Mr. Holder, for he seems to feel that he was doing his job by denying students use of UMR property. I do not hold a grudge against anyone involved in this affair. I do feel that we as students need to take a better look at what facilities our money funds and when and how we are being allowed to use those facilities.

Amy Henke

Women in history month

Society of Women Engineers
SOURCE

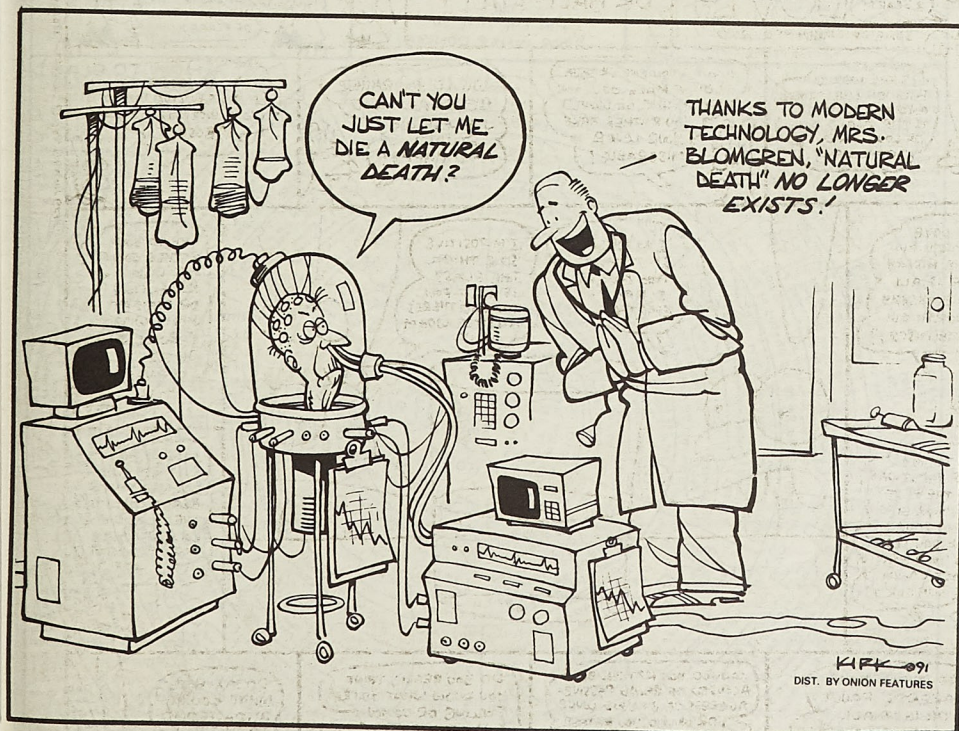
The UMR Society of Women Engineers will kick off Women in History Month by hosting the Region I Student Conference on March 6-8, 1992. Representatives from 19 schools in a six state region will be attending the conference entitled "Geared for Success." The conference will begin Friday evening with registration at Zeno's and a pizza and movie party.

Saturday will start off with registration and breakfast at the University Center-East, followed by a welcome from Jerry Bayless, Associate Dean of Engineering. Next there will be a Women in Engineering Panel. The keynote luncheon speaker will be Anna Salguero, Society of Women Engineers National President-Elect. Several workshops will be available in

the afternoon with topics ranging from resume writing to personal finance to balancing a family and a career. Afterward, there will be optional campus tours. The evening will end with a formal dinner at Zeno's featuring Lorry Bannes of the Bannes Consulting Group presenting "Ethics and Entrepreneurship." A pool-side relaxer will follow dinner.

Sunday will begin with a breakfast buffet at Zeno's and the conference will conclude with the regional meeting.

All students are invited and encouraged to attend. Registration forms can be picked up in the Women in Engineering Program Office in 107 Norwood Hall. The registration fee is \$10 for SWE members and \$15 for all other students. For more information concerning the conference, contact Dawn Campbell at 341-4212.



A question of morality

Dear Editor,

I find it puzzling that I am simultaneously exhorted to "mind my own business" and to "solve the problems of mankind which deserve more attention." On what moral or rational basis can it be asserted that "hunger, disease, healthcare, the homeless, and the unemployed" are problems deserving more attention than abortion? These are questions of economics; abortion is a question of morality, of innocent human life. Is economics more important than morality? Are we asserting that hunger, disease and so forth carry greater moral weight than murder, rape, or kidnapping? Is unemployment more frightening than Jeffrey Dahmer? Surely not.

Yet for trying to shed some light on a grave moral question I find myself accused of playing God, of making decisions for others. Tell me, is it playing God to recognize that murder is wrong? I am informed that it is not right to tell anyone how to lead their life; that we should leave the punishment of moral crimes to God. Are we

then to leave the punishment of murderers and rapists to God? Should I "mind my own business" and not tell a kidnapper how to lead his life?

No. I cannot and will not stand by and do nothing in the face of evil. If that is "nosiness," then perhaps this world could do with a few more nosy people.

Sincerely,

Rob Hobart

P.S. One of the mantras of our modern world is that better-educated people necessarily lead to a more peaceful and loving world. Alas, it is not that simple, as any study of history will show. 1930's Germany was one of the most educated and civilized places of its time, and it fervently embraced Nazism. The fanatics who butchered millions in Cambodia were all graduates of highly refined "liberal" Western schools. Secular education, the God of the modern state, has feet of clay.



This year's freshmen save the campus from the great snake invasion that traditionally kicks off the St. Pat's festivities.

Your Real Horoscope



by Ruby Wyner-Io
A.A.B.P.-certified Astrologer

Aries: (Mar. 21-Apr. 19) Your stress will peak when you accidentally run down a sidewalk full of pedestrians in a high speed chase.

Taurus: (Apr. 20-May 20) A nasty cut you get while shaving will become infected with gangrene. An amputation is likely.

Gemini: (May 21-June 21) The new moon is perfect for making resolutions that stick. Cut back on anal intrusion.

Cancer: (June 22-July 22) Swallowing a bottle of little blue pills will bring an end to those nagging financial difficulties.

Leo: (July 23-Aug. 22) A new relationship will have you walking on air, but will come to an abrupt end when you repulse your mate with your incessant nose-picking.

Virgo: (Aug. 23-Sept. 22) Ask yourself what you need to feel secure, then blow Vienna sausages at people through sections of garden hose.

Libra: (Sept. 23-Oct. 23) Emulate people in beer commercials, for they are the wisest on Earth.

Scorpio: (Oct. 24-Nov. 21) Bring friends together this weekend, then bicker with them about unsubstantiated gossip.

Sagittarius: (Nov. 22-Dec. 21) You'll acquire the ability to withstand extremely cold temperatures. Use this new power to fight crime.

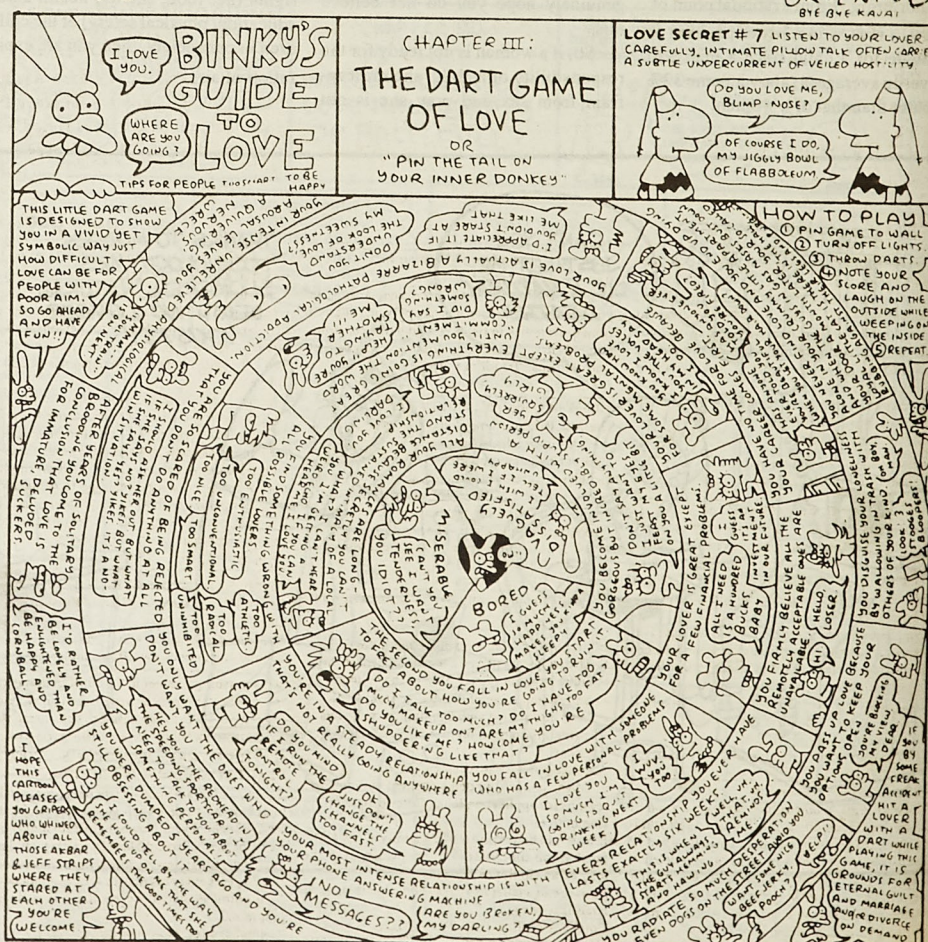
Capricorn: (Dec. 22-Jan. 19) Ensure your position at the workplace. Urinate on the walls in areas that you consider your territory.

Aquarius: (Jan. 20-Feb. 18) After staring at a video display terminal for too long, you will see a ghostly image of Gavin MacLeod.

Pisces: (Feb. 19-Mar. 20) If your feet tire, ache, pain, burn, itch or perspire excessively from over-exertion, fatigue or stress, then eat them.

Astrologer Ruby Wyner-Io has counselled prominent politicians, film stars and wrestling champions with her knowledge of the stars. This, her weekly astrology column, is for common riffraff like you.

LIFE IN HELL



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BY MATT
GREENING
BYE BYE KAVAI

Wednesday

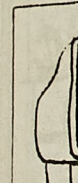
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Computing Services offers advice and upgraded facilities

Michelangelo may strike in March

Meg Brady
Computing Services

Computing Services has received information about a PC virus, known as Michelangelo, which is set to go off in early March. The virus affects IBM PCs and compatibles. It's trigger date is March, 6th, the anniversary of Michelangelo's birthday in 1475. On that date it will format the hard drive of any infected machine.

Anti-virus package offered

Meg Brady
Computing Services

UMR Computing Services has installed Version 2.02D of the F-PROT antivirus package. F-PROT has been licensed for all campus DOS-based PCs. For use on personally owned machines, the package is free of charge, although the author does accept contributions.

UMR Campus users can obtain copies from any PC which has access to the UMR campus Novell network. Login using either your own userid, if

Before attempting to scan a hard drive for viruses, you should turn off your PC and reboot it from a diskette that you KNOW is free of viruses, such as your original DOS diskette. This is because a virus may have infected the hard disk in such a way that it loads into memory as part of booting. In that case things you disinfect on the disk could be reinfected by the copy of virus in memory. It is important to turn the power off (or use the Reset button, if your PC has one), rather than just doing a soft reboot (Alt-Ctrl-Del), because there are some viruses which can survive in memory through a soft

Numerically intensive computing facilities upgraded

Meg Brady
Computing Services

Computing Services is currently upgrading campus numerically intensive computing (NIC) facilities. New unix-based servers have replaced the old Floating Point System 164 which was removed from service in December. The new equipment should be a big improvement for campus researchers who require massive numbers of calculations.

One IBM RS/6000-550 and two Hewlett-Packard 9000-750 Servers have been installed. Each of the systems has a powerful RISC processor, 64 million bytes of main memory, and over 1.3 billion bytes of direct access storage. They can perform approximately 25 million floating point operations per second (MFLOPS), and are readily accessible through the campus network. Each of the servers is 8-10 times as fast as the FPS and on selected applications runs faster than the IBM 3090 Vector Facility in Columbia and 1/10 the speed of some current supercomputers.

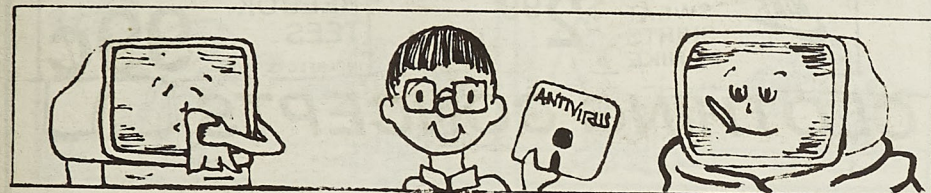
The new servers operate under a UNIX Operating System (AIX for IBM and HP/UX for Hewlett-Packard). Fortran and C compilers are available on all three systems. IMSL subroutines are installed on the IBM

RS/6000 and will soon be on the H-P 9000s. Nastran is available on the RS/6000 and SAS and ANSYS are on one of H-Ps. Other products will probably be added.

The systems will be limited to projects that require massive numbers of calculations (numerically intensive) since they cannot accommodate the entire campus demand. A typical project would be one that runs hours on the IBM mainframes. Application forms for a NIC user are available at the Computing Services Office. A NIC user will provide access to all three servers.

Computing Services will try to help users who need to migrate applications from another environment. A preliminary user handout is now available from another environment. A preliminary user handout is now available and we are obtaining additional information for the Computer Center Library. Each server has a large amount of online documentation (man pages). A short course is scheduled late in March for the NIC specific facilities.

Questions concerning numerically intensive computing may be directed to Dan Uetrecht via electronic mail (uetrecht@umr.edu). Documentation, userids, and short course reservations may be obtained through the Computing Services Offices (M-CS 114 or 341-4841).



We have not heard of Michelangelo visiting our campus yet, but recommend scanning for it anyway. March also has a Friday the 13th this year. There are several other PC viruses which trigger on Friday the 13th notably the Jerusalem virus which HAS been found on campus. Computing Services strongly recommends getting a copy of F-PROT and scanning your machines for viruses.

The F-PROT antivirus package that Computing Services has licensed will recognize and remove both the Michelangelo and Jerusalem viruses. F-PROT Version 2.02D is available through the Novell network in the directory.

TACCAPPSPUB\VIRUS\FPROT202.
(See the related article in this issue.)

you have one, or GUEST, if you don't. Version 2.02D is stored in TACCAPPSPUB\VIRUS\FPROT202. To install F-PROT, read and follow the instructions contained in the file READ_ME.DOC.

F-PROT Version 2.02D can be run from the network by entering the command F-PROT at the DOS prompt. You must be logged in to one of the Novell servers to do this, but do not need to switch to F-PROT's directory. This allows a convenient way of scanning floppy disks, but should NOT be used to scan hard disks. Hard disks should only be scanned from a copy of F-PROT on a write protected floppy disk, where F-PROT was copied to the diskette on a PC known to be virus free.

reboot.

Version 1 of F-PROT contained several command line utilities for displaying memory maps, dumping boot sector images, etc. which have been dropped from the Version 2 of the package. For anyone still wishing to have access to those programs, version 1.16 of F-PROT is also available. It is stored in

TACCAPPSPUB\VIRUS\FPROT116. Personal Computers with access to the UMR campus Novell file servers are available 108 Mathematics/Computer Science and many of the other Computer Learning Centers located on the UMR campus. Contact the UMR Computing Services Help Desk for help copying either of these programs.

Engineering Fair offers scholarships

News Services
SOURCE

About 140 students in grades nine through 12 will compete for two scholarships and prizes at the 36th annual South Central Missouri Science and Engineering Fair on Friday and Saturday, March 20-21, at the University of Missouri-Rolla.

The students' projects will be displayed for public viewing from 9 a.m. - 1 p.m. Saturday, March 21, in Centennial Hall, University Center-East.

will be judged on the basis of creativity, scientific thought or engineering application, thoroughness, skill, and clarity of presentation.

The first and second grand-prize winner will receive a scholarship covering educational fees at any of the University of Missouri System campuses for up to four years as long as the student maintains a grade-point average of at least 3.5 on a scale of 4.0. In order to receive the scholarship, the winner must be a graduating senior.

In addition, the first and second grand-prize winners and their sponsors will receive expense-paid trips to

Financial Aid

from page 2

Society of Manufacturing Engineering Education Foundation

The Myrtle and Earl Walker Scholarship Fund, through the SME Foundation, will be awarded annually to worthy institutions including accredited trade schools offering degree programs in manufacturing engineering and manufacturing engineering technology.

* student must have completed a minimum of 30 credit hours. (Graduate students will not be eligible for this scholarship.)

* must possess a minimum gpa of 2.75.

* Deadline is March 1, 1992.

Desk and Derrick Educational Trust

The Association of Desk and Derrick Clubs is now receiving applications for scholarships to be awarded to women seeking degrees in related fields of petroleum and allied industries. These applications must be received for consideration on or before April 1, 1992.

* Applicants must have completed at least two years or is currently enrolled in her second year of undergraduate study at a duly accredited college.

* Must maintain a gpa of 3.0 or above.

* Applicant has demonstrated need for financial assistance in pursuing a college degree.

* Citizen of Canada or the U.S.

* Plans a career in petroleum or allied industry.

Missouri Press Women, Inc.

Missouri Press Women, Inc., an organization of professional journalists, is offering a \$250 scholarship to a student planning to enter the field of journalism. Applicants must have completed at least one year of study at a MO college or university. In addition to completing the application, student should submit at least one writing sample and a letter of recommendation as noted on the application form. Deadline: March 15, 1992.

National Association of Women in Construction - St. Louis Chapter

Each year N.A.W.I.C. offers scholarships to young women and men who are pursuing degrees from universities in fields related to the construction industry. Scholarship does not apply to first year students. Deadline: April 5, 1992.

Mid-West Concrete Industry Board

The MCIB Educational Fund was established to provide financial assistance to college engineering students pursuing a B.S. or higher degree that includes concrete and concrete design courses as an integral part of their degree program. Note should be taken of the residency requirements as shown on the application. The Fund will grant one \$1000 scholarship this fall. Application deadline: April 30, 1992.

The Coterie of Faculty Wives Scholarship for 1992-93

Eligibility for selection will be the following:
a. The recipient must be a female student at UMR.
b. must have completed 50% of the hours necessary for completion of her degree from UMR.
c. must be enrolled with a minimum of 9 hours in a degree program at the time of the scholarship payment.
d. Must demonstrate financial need.

e. Must submit a written statement outlining her reasons for application to the Coterie Scholarship Committee.

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

Please send a letter of application explaining your qualifications to:

Coterie, P.O. Box 1638, Rolla, MO 65401

Deadline: April 1, 1992

The Heavy Constructors Association of the Greater Kansas City Area

The Heavy Constructors Association of the Greater Kansas City Area Industry Advancement Scholarships are specifically for persons who are planning and preparing for careers in construction. The amount of each scholarship is \$2,500.00 per year.

Recipients of the scholarships shall be full-time students who demonstrate financial need. Preference shall be given to well rounded persons who are upper classmen, to Kansas City area residents and to sons or daughters of construction employees. Applicants will be required to demonstrate their commitment to obtaining careers in construction. Recipients will be required to seek summer employment in construction. Deadline: April 15, 1992.

NATIONAL ASSOCIATION OF WOMEN IN CONSTRUCTION - GREATER KANSAS CITY.

The Greater Kansas City, Missouri NAWIC Scholarship Foundation offers scholarship to students pursuing a career in the construction industry. Application must be postmarked on or before March 31, 1992, to be eligible or considered for a scholarship award by the foundation trustees.

ORVILLE REDENBACHER'S SECOND STAR SCHOLARSHIP PROGRAM.

Twenty \$1,000 scholarship will be made available to qualifying students across the country for the 1992-93 school year. To be eligible for the Orville Redenbacher's Second Star Scholarship, students must meet the following criteria:

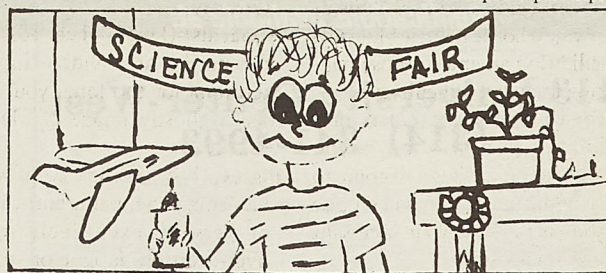
* be 30 years old or older at the time of application.

* be enrolled or will be enrolling in a degree program.

* be either a full time or part-time student

* attend an accredited college or university.

Deadline: May 1, 1992



An awards ceremony will be held at 1 p.m. Saturday in Room G-3 Schrenk Hall.

Competition categories are biochemistry, botany, chemistry, computer science, earth sciences, engineering, environmental science, behavioral and social sciences, mathematics, medicine and health, microbiology, physics, and zoology. Entries

the International Science and Engineering Fair in Nashville, Tenn.

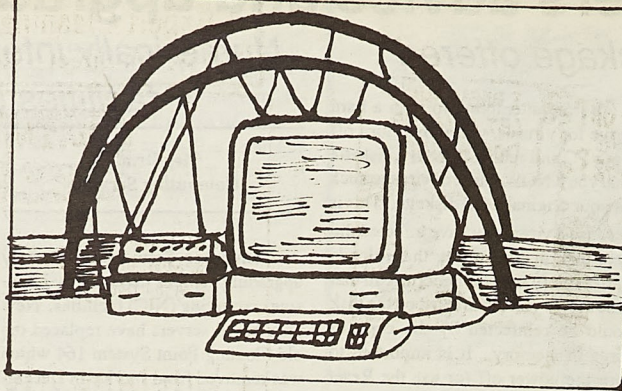
Awards also will be given to the students who are judged best in each of the 13 divisions of the competition. Other special awards for outstanding entries will be given by governmental agencies, industries, professional societies and UMR student organizations.

Bridge

software will enable bridge designers to see the input data on the computer screen and provide a printout of the data.

"This software package will allow bridge design engineers to review quickly the data input and output and produce more efficient and accurate designs," says Morris.

Specifically, the computer software will provide a visual display and printout of the steel I-girder cross sections, pre-stress concrete I-girder cross sections, bridge span lengths, bridge support locations, girder end restraints and loading applications.



from page 1

*Staff writers wanted for
News section of the Miner.
If interested come to our
meeting Thursday at 5:00 pm.
Meetings are in 103A
Norwood.*



GENERAL MOTORS VOLUNTEER SPIRIT AWARD

1989

in association with

**University
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Office of Student Activities

Attention Student Volunteers!

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Deadline for applications is:

Monday, March 16, 1992

Applications available at:

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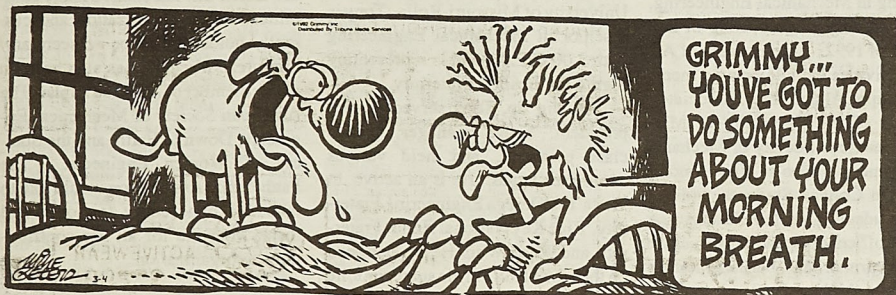
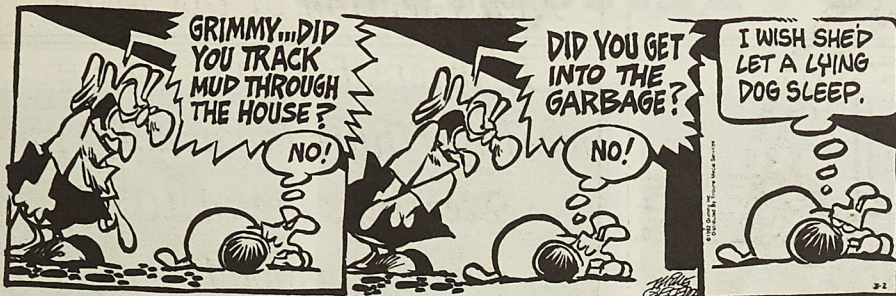


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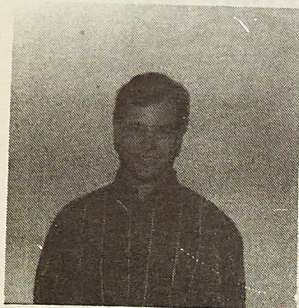
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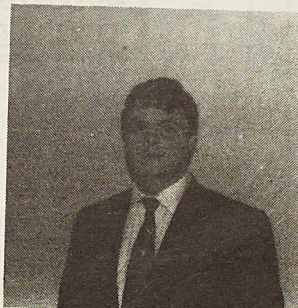


St. Pat's Knights



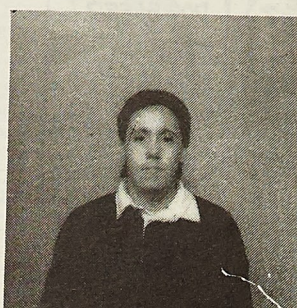
Steve Puljak
The Missouri Miner

The Missouri Miner is proud to present Mr. Steve Puljak as its 1992 St. Pat's Student Knight. Steve is the son of Karl and Stefanie Puljak of St. Louis, Missouri. A senior engineering management, Steve is currently the News Editor for the Miner and has served in the capacity for three years. He is also a member of Triangle Fraternity, having held the offices of 1st V.P., 2nd V.P., Treasurer, and Corresponding Secretary. He has participated in several other campus organizations such as Phi Eta Sigma, ASEM, Intramurals, and Orchestra. Because of Steve's campus involvement and hard work and dedication as News Editor, he had been named the Missouri Miner's Student Knight representative for St. Pat's 1992.



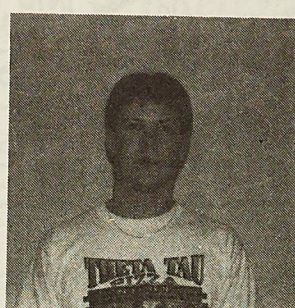
Ben Jones
I.F.C.

The Interfraternity Council is proud to present Ben Jones as their Student Knight for the St. Pat's Celebration. Ben, son of David and Janice Jones of Marshall, MO is a Senior in Civil Engineering. He is active in several student and Greek Organizations. Ben is currently serving as president of the I.F.C. and has held offices in Theta Tau Omega and Tau Kappa Epsilon. Throughout his hard work on these organizations as and especially the I.F.C. we feel Ben is worthy of this honor. When hearing that Alice was gone, Ben was awestruck and exclaimed "The only girl down here that would have me and she get's kicked off campus!"



Allen Sehrt
KA

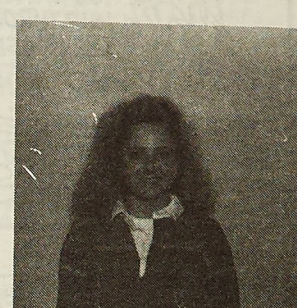
Kappa Alpha Order is proud to announce Allen Sehrt as our candidate for the 1992 Student Knight ceremonies. Allen is from Independence, Missouri and is currently a senior majoring in Mechanical Engineering. He is planning on graduating in December of 1992. Among many of Allen's activities include being a member of Kappa Alpha Order, Associated Students of the University of Missouri, American Society of Mechanical Engineers, Who's Who Among American College Students, and the UMR Student Cabinet. Allen has also held the offices of rush chairman, little sister chairman, and parliamentarian for Kappa Alpha. He is always involved in many academic and social activities in and around campus. For these reasons, Kappa Alpha is pleased to have Allen Sehrt as our Student Knight candidate.



Tony Kertz
Sigma Phi Epsilon

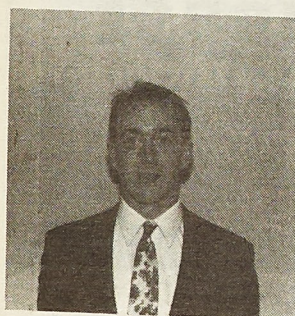
Tony Kertz, son of Tom and Mary Lou Kertz, of St. Genevieve, MO has been selected to be a Student Knight in the 1992 St. Pat's festivities at the University of Missouri-Rolla. Tony is a senior in Mechanical Engineering with 3.00 G.P.A. and is representing Sigma Phi Epsilon Fraternity.

At Sig Ep, Tony served as vice president, house manager, pledge class president, and held various committee heads. He is an active in Theta Tau Omega Engineering Fraternity, Blue Key National Honor Fraternity, and Who's Who. He has also been on the UMR Roll. In his spare time, he likes to play sports and enjoy the outdoors.



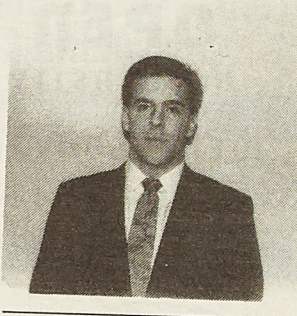
Michelle Lillard
Panhellenic

UMR Panhellenic Association has chosen Michelle Lynn Lillard to be its 1992 St. Pat's Knight. Michelle is an enthusiastic and hardworking member of Panhel. She has chaired many committees in the organization and currently holds the office of secretary/treasurer. Michelle has also been an active member of Zeta Tau Alpha. The American Society of Mechanical Engineers, Down to Earth, and the Society of Women Engineers. The Panhellenic Association would like to take this opportunity to honor and thank Michelle for all her contributions to organization.



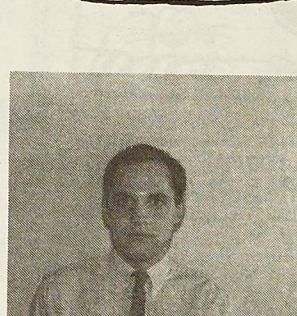
Luke Peterson
StuCo

The UMR Student Council is proud to present Luke Peterson as their 1992 St. Pat's Knight. Luke, a senior in electrical engineering, is the son of James and Diana Peterson of Chesterfield Missouri. Luke has served Student Council as committee chairman, treasurer, and two years as president. He is also a member of the Baptist Student, IEEE, and serves as a student rep. to the Alumni Board of Directors and has been inducted into Phi Eta Sigma and Who's Who.



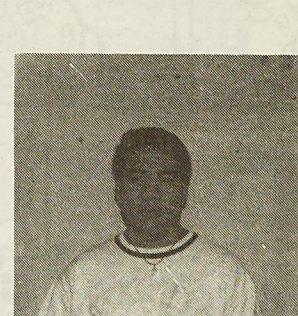
Ed Casleton
Lambda Chi Alpha

Ed Casleton is representing Lambda Chi Alpha Fraternity as their 1992 student knight. Ed is currently a Senior in Chemical Engineering. Within Lambda Chi, Ed has held the positions of president, secretary, treasurer, and rush chairman. Ed is also a member of Theta Tau Omega professional engineering honor society, Phi Eta Sigma Freshman Honor Society, and he American Institute of Chemical Engineers. Ed is the son of Sam and Joan Casleton of Moberly, Missouri.



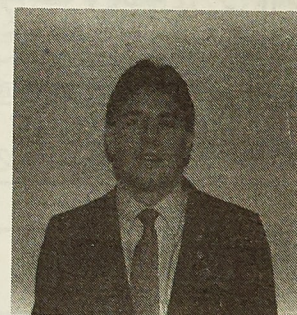
John Iverson
IRC

IRC is proud to announce John Iverson as its 1992 St. Pat's Knight. John is the Quad's favorite son, being active there for the last four years. He is currently involved in IRC, NRHH, Tau Beta Pi, AIAA, and Sigma Gamma Tau. He is also the Squad Head R.A. In September, John was the regional student of the month. We thank him for all of his contributions over the years and wish him continued success.



Jeffrey Esparrago
Sigma Chi

Jeffrey Esparrago has been chosen to represent Sigma Chi as a St. Pat's Knight. He is the son of Dr. Frank and Linda Esparrago of Monett, MO. Jeffrey has held the offices of vice president, pledge trainer, assistant pledge trainer, scholarship chairman, and Peterson chairman at Sigma Chi. He will be graduating in May, 1992 with a B.S. in Engineering Management.



Paul Eggers
Beta Sigma Psi

Beta Sigma Psi presents Paul Eggers as its 1992 St. Pat's Student Knight. Paul is a graduating senior in Electrical Engineering and the son of Jordan and Ruth Eggers of St. Louis, MO. Paul served Beta Sig as house manager, recording secretary, corresponding secretary, and assistant house manager. He has also been active in the Student Union Board for the past 5 years and has served as Director of the Concerts committee. He is also a member of Intercollegiate Knights and IEEE. "Alice, I've waited 6 years for this and now I am getting stood up!"

St. Pat's Knights



Elaine Yonker
Chi Omega

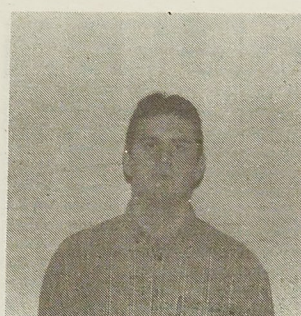
The sisters of Chi Omega proudly present Miss Elaine Yonker as our 1992 St. Pat's Student Knight. Lanie is the daughter of Richard and Kathleen Yonker of Bowling Green, Missouri, and a senior majoring in Applied Mathematics. She has not only been active in Chi Omega where she held the office of rush chairman, but in Panhellenic as well where she was president. Lanie's other campus activities include: Blue Key - secretary, Lambda Sigma Psi, Phi Kappa Phi, and Phi Eta Sigma. With all of the hard work and commitment that she has put into the community, school, and Chi Omega, we feel that Lanie deserves this very prestigious honor. Congratulations Lanie!



Kurt Jon VanHoogstrate
Pi Kappa Alpha

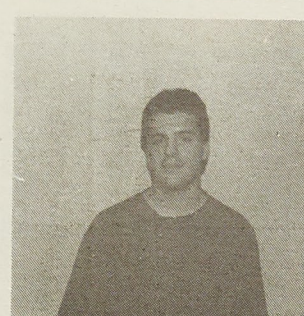
The Pi Kappa Alpha Fraternity is proud to present as their St. Pat Knight Mr. Kurt Jon VanHoogstrate, of St. Peters, MO.

Kurt is from the St. Louis area and plans to graduate from UMR with a degree in Electrical Engineering. He is currently president of the Pi Kappa Alpha Fraternity and has been vice president, rush chairman, social chairman, internal affairs chairman, and public relations chairman since his initiation in IEEE, a former member of student Council. His future plans are to pursue a career in engineering or to continue his education by attending law school.



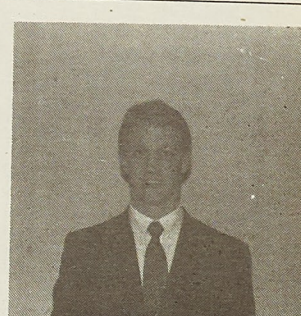
Sean M. Griffin
Phi Kappa Theta

Sean M. Griffin, son of Robert and Joan Griffin of St. Louis, will be representing Phi Kappa Theta Fraternity in the 1992 St. Pat's knighting ceremony at the University of Missouri-Rolla. Sean, a graduating senior major in electrical engineering, has been Alumni coordinator, pledge educator, and scholastics chairman for Phi Kappa Theta. Sean is a member of several honor societies including Phi Kappa Phi, Tau Beta Pi, and Phi Eta Sigma Freshman Honor Society. He has also been president and vice president of Kappa Mu Epsilon Mathematics Honor Fraternity. Sean is expecting to graduate at the end of this semester.



Keith Fennewald
Triangle

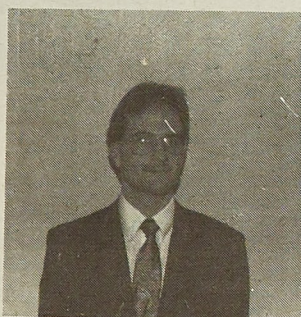
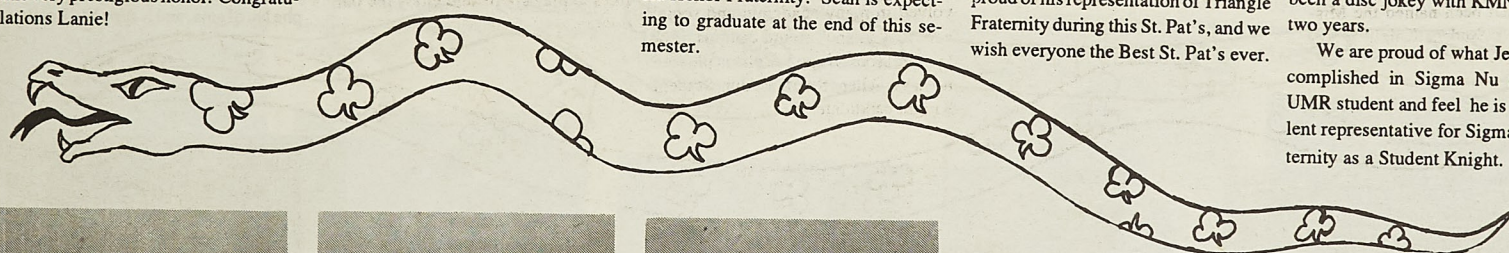
Triangle Fraternity is proud to present Mr. Keith Fennewald as its Student Knight for St. Pats 1992. The son of Jim and Julie Fennewalds, of St. Louis, Missouri. Keith is a senior majoring in Electrical Engineering at the University of Missouri-Rolla. As an active member of Triangle Fraternity, Keith has held such positions as treasurer, assistant treasurer, and house stereo repairman, and is currently recording secretary. Keith's active participation in intramurals and other house activities has helped Triangle to improve in all facets. We are proud of his representation of Triangle Fraternity during this St. Pat's, and we wish everyone the Best St. Pat's ever.



Jeffrey A. Herzog
Sigma Nu

The men of Sigma Nu Fraternity proudly present Jeffrey A. Herzog as our Student Knight for St. Pat's 1992. Jeff, son of Mark and Jane Herzog, is a senior in Electrical Engineering. His activities include involvement in Sigma Nu, he has held the offices of vice president, alumni relations officer, and alumni newsletter editor. His campus offices also include president of Blue Key, president of the UMR honors association, and secretary of IEEE, an office he has held twice. Jeff is also a member of Tau Beta Pi, Phi Eta Sigma, Eta Kappa Nu, and has been a disc jokey with KMNR for two years.

We are proud of what Jeff has accomplished in Sigma Nu and as a UMR student and feel he is an excellent representative for Sigma Nu Fraternity as a Student Knight.



Christopher Steger
Pi Kappa Phi

Alice won't be missed at Pi Kappa Phi, where the fraternity brothers are determined to give a new "Sir" the full knighting treatment. They did not tell this when I had a chance to decline. But the thought of declining would have never crossed my mind, for I will be proud to represent my chapter on this campus and be proud to kiss the boot of St. Pat (whoever that may be). In the immortal words of a past knight, "Blow it off, have fun and a good time."



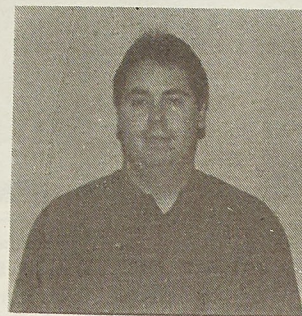
LaChelle Warbington
Kappa Delta

Kappa Delta Sorority would like to present LaChelle Warbington as their 1992 St. Pat's Student Knight. LaChelle, daughter of Carol Yarbo and Joseph Warbington of Poplar Bluff, is a graduating senior majoring in Life Sciences. As member of Kappa Delta Sorority, she is currently serving as interfraternal relations and house manager. LaChelle is also active member of Helix Club, serving as Secretary/treasurer for two years and Intercollegiate Knights service fraternity.



David Hockanson
TJHA

Thomas Jefferson Hall Association proudly presents David Hockanson, St. Pat's Knight. David excels as an electrical engineering student while serving as head resident assistant at T.J. He is a member of IEEE, Phi Kappa Phi, and the National Residence Hall Honorary. He is a stimulating role model and a confident leader in the residence halls. David nobly motivates others to succeed and often steps out of spotlight to let someone else shine. Best wishes, David, from all of the TJHA Knights.



Tim Stelljes
Delta Tau Delta

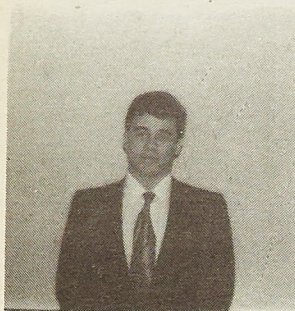
Delta Tau Delta proudly presents Tim Stelljes as our Student Knight. Tim, son of Allen and Marilyn Stelljes of Kansas City, Missouri, is a graduate student in electrical engineering. He has served Delta Tau Delta Fraternity as first vice president, second vice president, secretary, guide, pledge educator, and is certified Delts Talking about Alcohol Instructor. Tim has also served as president and treasurer of IEEE and is a member of Intercollegiate Knights.



Terry Rosenthal
Theta Xi

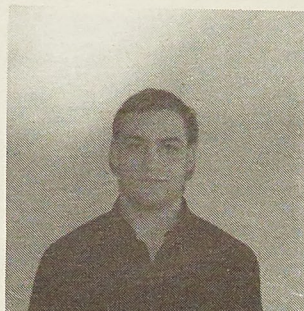
The men of Theta Xi are proud to present our St. Pat's 1992 Student Knight, Terry Rosenthal. Terry lives in St. Louis, and is currently a graduating senior in the Electrical Engineering department. He is a member in Alpha Phi Omega service fraternity and has held many offices here at Theta Xi, including a term a president. We would all like to congratulate him for becoming a Student Knight, and wish we could see him get thrown in Alice (too bad!).

St. Pat's Knights



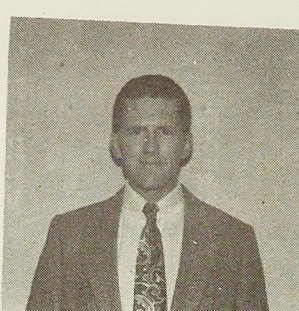
Bill Saguto
Acacia

I am a graduating senior in the field of Nuclear Engineering. The organizations I belong to include Acacia Fraternity, where I currently hold the office of Junior Dean, Gamma Pi Epsilon, where I am on the steering committee; and the American Nuclear Society. I grew up near the town of Hermann, MO—best known for its wine-fests. My hobbies include but are not limited to: flying, hunting, travelling, scuba diving, skiing, and quiet romantic evenings—not necessarily in that order. I am honored to represent Acacia Fraternity as student knight and would like to thank my brothers for electing me to this notable position.



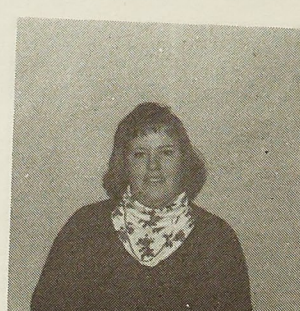
Mike Uhrig
Theta Tau Omega

Theta Tau Omega is proud to announce Mike Uhrig as its Student Knight. Mike is currently a senior Civil Engineering and is the son of Bill and Clarine Uhrig of Lee's Summit, Missouri. He is currently serving as Theta Tau's inner guard and was last semester's Pizza Night Chairman. In addition to Theta Tau, Mike has been president and vice president of the Rugby Club and has been an active member of Kappa Alpha, Alpha Phi Omega and ASCE. Mike comments, "after courting Alice for five years, she's leaving me high and dry. The only satisfaction that I can get is from the thought that she won't be sharing her bodily fluids with anyone else."



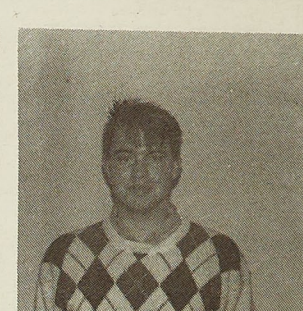
Tim Morrow
A E Pi

Tim "Bone" Morrow is a senior in mechanical engineering representing Alpha Epsilon Pi Fraternity. Tim has held the offices of master, Lt. master, scribe and pledge master for Alpha Epsilon Pi. He has served as Secretary of the Interfraternity Council and was elected as the Greek god Hermes for Greek Week 1990. Tim has also served on the Student Union Board and is a member of the American Society of Mechanical Engineers and the American Society of Heating, Refrigeration and Air Conditioning Engineers.



Dawn Lynn Nickolaus
ZTA

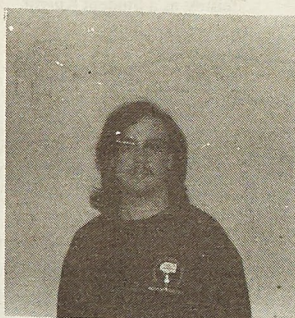
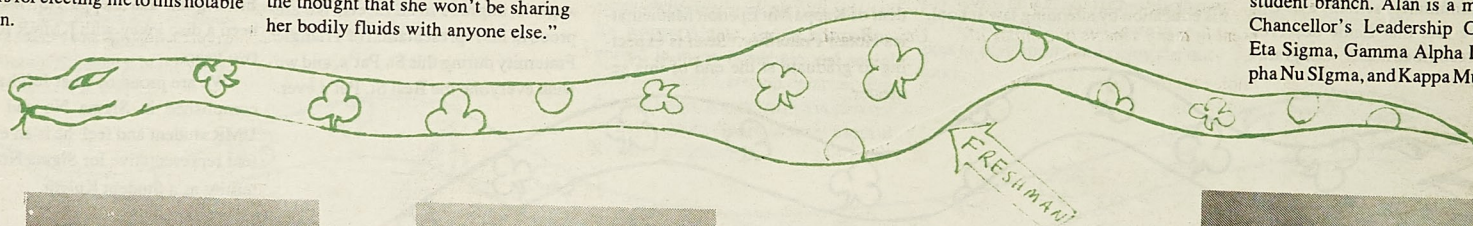
The ladies of Zeta Tau Alpha are proud to present Dawn Lynn Nickolaus as their 1991 St. Pat's Knight. Dawn is a senior majoring in aerospace engineering. She has been an active member of ZTA and served last year as house manager. Her campus activities include: American Institute of Aeronautics, Sigma Gamma Tau, Tau Beta Pi, Phi Alpha Theta, Kappa Mu Epsilon, and the Hickory Club. We feel her enthusiasm for ZTA and her involvement on campus make her worthy of this honor.



Alan Smith
Sig Pi

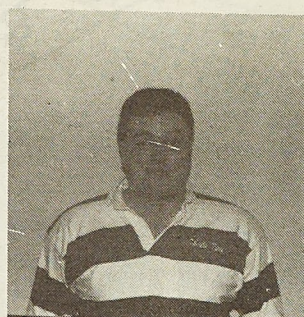
The Alpha Iota Chapter of Sigma Pi Fraternity has chosen Mr. Alan Smith as their St. Pat's Student Knight for 1992. He is the son of Ms. Karen Smith and the late Leonard Smith of Russellville, Arkansas. He is a graduating senior majoring in Nuclear Engineering.

As a member of Sigma Pi, Alan has served as president, treasurer, and alumni secretary. He has also been very active in several campus organizations. He was president and secretary of the American Nuclear Society student branch. Alan is a member of Chancellor's Leadership Class, Phi Eta Sigma, Gamma Alpha Delta, Alpha Nu Sigma, and Kappa Mu Epsilon.



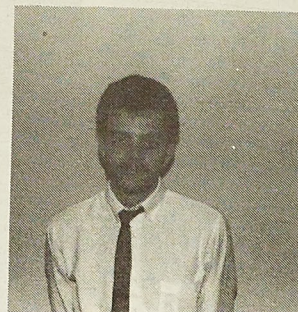
Scott Dahlgren
Student Union Board

The Student Union Board presents Scott Dahlgren as its 1992 Student Knight. He is the son of Frank and Wilma Dahlgren of Ballwin, Missouri and is a graduating senior in Geology and Geophysics. He has been active in the Student Union Board for the past 4 years and is currently serving as Director of the Technical Services Committee. He has also been active in the past with Hall Government, University Theatre, and the MSM Spelunkers. The Student Union Board feels Scott is deserving of this honor and wishes him the best of luck.



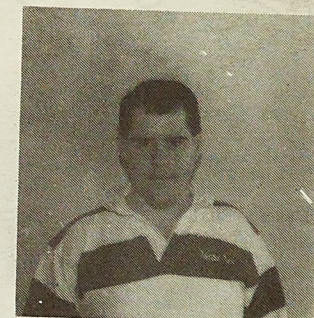
Steve Bahr
Tau Kappa Epsilon

Tau Kappa Epsilon is proud to announce that their Student Knight for St. Pat's '92 is Steve Bahr, son of Harry and Corky Bahr of Webster Groves, Missouri. Fozz, a graduating senior in Engineering Management, has served TKE as secretary and pledge trainer and as head of numerous committees. He is also an active member of Theta Tau Omega, for whom he is currently Public Relations chairman. He is also a member of APO and ASEM. Fozz says, "I'm sorry that I don't get a chance at Alice, but I'm looking forward to beating the court into submission."



Scotty Harris
Sigma Tau Gamma

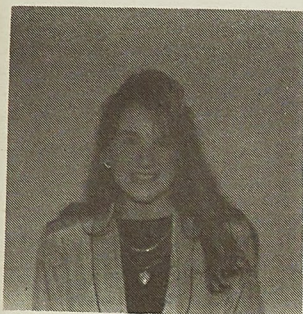
The Brothers of Sigma Tau Gamma are proud to present Scotty Harris as their student knight for 1992. Scotty, son of Orville Harris of Belle, Missouri and Thelma Kauk of Leedey, Oklahoma, is a senior majoring in electrical engineering. As a member of Sigma Tau Gamma, he has held several executive positions and is now currently president. He is also a member of Kappa Kappa Psi and a DJ and KMNR.



Philip McCalla
Kappa Sigma

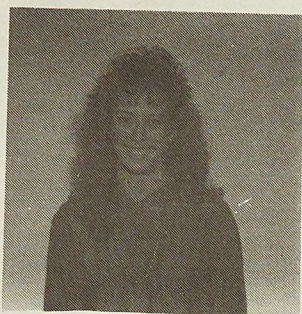
Representing Kappa Sigma's 1992 St. Pat's student Knight is Philip McCalla. Phil, a senior in Mechanical engineering, has been very active at Kappa Sig and on campus. He is a former Kappa Sig president and has also served as 2nd vice president, secretary, and guard. As an IFC rep. he was elected president and chaired the carnival and Greek Sing production committees. He is currently casino night chairman for Theta Tau Omega and a member of ASME. Phil was regretful at the fall of Alice and said, "She couldn't smell as bad as some of my past foreign teaching assistants."

St. Pat's Queens



Kristina Gross
Theta Xi

The men of Theta Xi would like to congratulate our St. Pat's Queen candidate, Kristina Gross. Kristina lives in St. Louis, and is currently a junior in the Electrical Engineering department. She is active in Army ROTC, IEEE, and is the secretary of the French Club. She has also been on the dance squad and the cheerleading squad. The men of Theta Xi wish you the best of luck, Krissy.



Laura Visintine
Sigma Nu

The men of Sigma Nu Fraternity proudly present Miss Laura Visintine as our 1992 St. Pat's Queen Candidate. Laura, daughter of Sam and Cathy Visintine of Florissant, Missouri, is a majoring in Electrical Engineering. She has been very active in Zeta Tau Alpha and currently holds the office of House manager. She also has been active in the Little Sisters of the White Star, holding the offices of president, vice president, and rush chairman. Laura is also a member of Tau Beta Pi, Intercollegiate, Eta Kappa Nu, and Down to Earth. Through her involvement in many aspects of campus life, we feel that Laura is an excellent choice for this year's "Queen of Love and Beauty."



Anne Chapman
Acacia

The Missouri School of Mines-University of Missouri-Rolla chapter of Acacia Fraternity nominates Ms. Anne Chapman as our 1992 St. Pat's Queen candidate. Anne, the daughter of John and Juanita Chapman from St. Louis, Missouri, is a senior majoring in Engineering Management with a preference in Mechanical Engineering. She currently holds the office of social chairperson for Zeta Tau Alpha sorority and is a special projects chairperson for the American Society of Engineering Management. Anne is also actively involved with the Student Union Board, Gamma Alpha Delta (a service fraternity), and is captain of the cheerleading squad. Acacia is excited about having her represent us and we are looking forward to the best ever St. Pat's 1992.



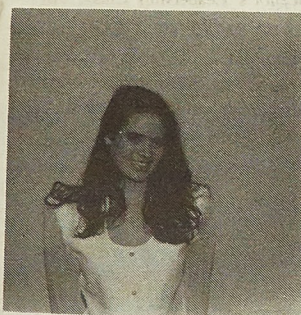
Heather Rae Governick
Sigma Phi Epsilon

Heather Rae Governick, daughter of Dan and Sue Governick, is a junior majoring in Geological Engineering. She is a member of Kappa Delta Sorority and has held numerous offices and committees in Kappa Delta. Heather has represented her sorority on the Panhellenic Council for three years, and she is presently founder of Lambda Sigma Pi, a service oriented woman's group, and has served as secretary for the organization. The men of Sigma Phi Epsilon wish Heather the best of luck while she represents our house in the 1992 St. Pat's Queen contest.



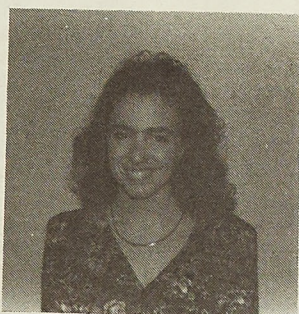
Jeanne Jackson
Kappa Sigma

Kappa Sigma is proud to present Jeanne Jackson as our 1992 St. Pat's queen candidate. Jeanne, the daughter of Jerry and Jacalyn Jackson, is a graduating senior of Metallurgical Engineering. Miss Jackson is currently the assistant pledge trainer of Chi Omega, the vice president of the Metallurgical Society, and vice president of Alpha Sigma Mu (Metallurgical Honor Society). She also ran varsity cross country for four years and was a member of M-Club. In addition to these, she served as treasurer of Alpha Phi Omega, as well as president of Delta Lambda. We are ecstatic to have Jeanne representing us and we long for her to attain the crown of Queen Of Love and Beauty.



Angela Kay Dufner
TJHA

Angela Kay Dufner was born and raised in Chatham, IL, a small town outside of Springfield. She chose to attend UMR because of the size of the school and was impressed by the ME program here. Angie is currently a sophomore in the ME department and has a cumulative GPA (up till now!) of 3.39. She is a member of the Society of women Engineers and was awarded their Freshman Scholarship last year. Angie has also been a member of the Delta Lambda service organizations and served as their service chairperson, as well as volunteering for the TJ Homecoming Float committee. Soccer has always been one of her main interests and she is both an avid fan and player. She has played both outdoor and indoor intramurals, guys and girls, but reoccurring knee injuries prevent her from playing full time for the UMR team.



Angela Renee Brickner
Pi Kappa Alpha

The men of Pi Kappa Alpha are proud to present our 1992 St. Pat's Queen candidate, Miss Angela Renee Brickner. Angie, the daughter of Mrs. Cheryl and Mr. Edgar Brickner of St. Louis, is a sophomore majoring in Mechanical Engineering. She is very involved on campus with leadership roles in Zeta Tau Alpha, Intercollegiate Knights, and Phi Eta Sigma and active memberships in Tau Beta Pi and Student Ambassadors. Angie has also been elected the Blue Key Miner of the Month for January, Theta Tau Omega Uglyman for ZTA, and the Volunteer of the month of February for the junior high school. We wish Angie the best of luck as we know she will represent us well.



Jill Gosnell
Kappa Delta

The ladies of Kappa Delta Sorority would like to present Jill Gosnell as their 1992 St. Pat's Queen candidate. Jill, daughter of Jack and Jody Gosnell of Cape Girardeau, is a graduating senior in Geological Engineering. She has been a very active member of Kappa Delta, serving as secretary and interfraternal relations chairman. As a Kappa Delta representative, Jill has served as secretary/treasurer for Panhellenic council. In addition, Jill is active on campus with Association of Engineering Geologists and Tau Beta Pi.



Holly Berendzen
Triangle

The Men of Triangle Fraternity are proud to present Miss Holly Berendzen as their St. Pat's Queen Candidate for St. Pat's 1992. The eldest daughter of Harold and Sally Berendzen of Eldon, Missouri. Holly is a senior majoring in Aerospace Engineering here at the University of Missouri-Rolla. A charter member of the Missouri Scholar's Academy. Holly was a member of Phi Eta Sigma (the freshman honor society) at Southwest Missouri State University. Transferring here in Fall 1990, Holly has succeeded as a Co-op student working at McDonnell Douglas in St. Louis and is a member of AIAA, the Volleyball Club, and the Transfer Student Association. We feel that Holly's enthusiasm and beauty would represent the St. Pat's tradition well, and we wish her the best of luck in this year.



Amy Weber
Kappa Alpha

Kappa Alpha is proud to announce Amy Weber as our candidate for the 1992 St. Pat's "Queen of Love and Beauty" contest. Amy is from Springfield, Missouri and is currently a senior majoring in Geological Engineering. She is planning on graduating in December 1992. Among many of Amy's activities include being a member of Chi Omega Sorority, Association of Engineering Geologists, Sigma Gamma Epsilon, Delta Lambda service organization, and Lutheran Student Center. Amy is always involved in many academic and social activities in and around campus. For these reasons, Kappa Alpha is pleased to have Amy Weber as our candidate and wish her the best of luck.

St. Pat's Queens



Sandra Eftink
Alpha Epsilon Pi

As St. Patrick's Day rolls around, students of the University of Missouri-Rolla prepare for a celebration. Perhaps most excited of them is area resident, Sandra Eftink, who was chosen as a candidate in the "Queen of Love and Beauty" contest. Sandra was nominated by Alpha Epsilon Pi fraternity.

Sandra is the daughter of Tom and Mary Ann Eftink, of Route One, Chaffee. A 1991 graduate of Oran high school, she is currently enjoying freshman status at the University of Missouri, Rolla. She is pursuing a dual major in both mechanical and management engineering.



Deanna Valentino
Chi Omega

The sisters of Chi Omega proudly present Miss Deanna Valentino, daughter of John Valentino of Irving, Texas and Ms. Carol Valentino of Port Jefferson Station, New York, as our 1992 St. Pat's Queen Candidate. Deanna is a senior majoring

in Life Sciences and is very active in Chi Omega as well as on campus. She is a member of Alpha Chi Sigma, Helix, Alpha Phi Omega, Society of Women Engineers, University Choir, and participates in intramural sports. We feel Deanna is the ideal choice for St. Pat's Queen with her charming wit and bubbly personality. Chi Omega wishes Deanna the best of luck!



Tracy Greiwe
Beta Sigma Psi

The Men of Beta Sigma Psi would like to present Ms. Tracy Greiwe as their candidate for the 1992 St. Pat's "Queen of Love and Beauty" competition. Tracy, daughter of Judy Meyers and David Greiwe of St. Charles, Missouri, is a senior Mechanical Engineering. She currently serves as vice president of public relations for Kappa Delta sorority and has held the office of Interfraternal relations chairman. Tracy is also an active member of the Society of Women Engineers, where she has served as organizations include ASME and ASHRAE. Good Luck in the competition, Tracy, but most of all just enjoy yourself.



Melissa Moore
Tau Kappa Epsilon

The men of Tau Kappa Epsilon nominate Miss Melissa Moore of St. Charles for the St. Pat's Queen of Love and Beauty. Melissa has been extremely involved not only with Tau Kappa Epsilon, but also with many diverse campus organizations. Melissa is a member of Zeta Tau Alpha sorority, vice president of Delta Delta (TKE's little sister organization), captain of the Lady Miner's Soccer team, and member of M-Club, Intercollegiate Knight's and Sigma Gamma Epsilon. In addition to her numerous campus activities, she has managed to maintain a 3.0 GPA as a junior in Geological Engineering.

We want to wish Melissa the best of luck as a St. Pat's Queen candidate and everyone a great St. Patrick's Day.



Christina Louise Sfreddo
Zeta Tau Alpha

The ladies of Zeta Tau Alpha proudly present Miss Christina Louise Sfreddo as their 1992 St. Pat's queen candidate.

Christina, daughter of Bob and Norma Sfreddo of Jefferson City, Missouri, is a junior majoring in civil engineering. She has been active in ZTA holding various chairmanships and is currently holding the position of Green (St. Pat's) chairman. Christina's campus activities include: American Society of Civil Engineers, Kappa Alpha - Daughters of Lee, and the 1989 Chancellors' Leadership Class.

We feel Christina is an excellent choice for the "Queen of Love and Beauty," as shown by her outgoing personality and involvement on campus.



Sheila Marie Connors,
Phi Theta Kappa

Sheila Marie Connors, daughter of William and Ellen Connors of St. Charles, will be representing Phi Kappa Theta Fraternity in the 1992 St. Pat's "Queen of Love and Beauty" contest at the University of Missouri-Rolla. Sheila, a junior majoring in electrical engineering, is the treasurer for Chi Omega Sorority and vice president of the UMR Panhellenic Council. She is a member of Lambda Sigma Pi Service Fraternity and Phi Eta Sigma Honor society. Sheila was also the Theta Tau Freshman of the Year in 1990 and she has been on the honor roll from 1989 through 1991. Says Sheila, "I am looking forward to participating in the continuing tradition of the St. Patrick's Celebration at the University of Missouri-Rolla."



Kym Gross
Sigma Pi

The men of Sigma Pi are proud to present Miss Kym Gross as their 1992 St. Pat's Queen Candidate. Kym, a junior majoring in Engineering Management, is the daughter of Susan Gross of St. Charles, MO and Glenn Gross of Brandon, WI. She is a member of Daughters of the Emerald in which she holds the office of Treasurer. She has also served as vice president and has held various chairmanships. Kym was previously a member of the Thomas Jefferson Hall Association and the InterResidence Council. She is thrilled to be representing Sigma Pi and we wish her the best of luck.



Judith Andrea Almasque
India Association

Judith Andrea Almasque, India Association candidate for St. Pat's Queen title, is a master's student (EE) and has been on campus for the last 1 1/2 years. She is a charming girl with a pleasing personality and friendly disposition. She enjoys astronomy, cooking, cultural dancing, and she is an electronics hobbyist. Her varied talents make her an outstanding member of her peer group.

Judith is of Spanish origin and got her BS in EE from UMC-KC in August 1990. She has been an active member of the UMR student community during the past 18 months that she has been here. Apart from her affiliation with the India Association, she has been involved with IEEE and the Society of Hispanic Professional Engineers (SHPE). She works as the bilingual studies coordinator for Telecourse Technologies, Inc. She is also an active Spanish cultural dancer.



Andrea Frances Lane
Sigma Chi

The men of Sigma Chi would like to present Miss Andrea Frances Lane as our 1992 St. Pat's "Queen of Love and Beauty" candidate. Andrea, a junior majoring in Electrical Engineering, is the daughter of Milt and Carol Lane of Fulton, Missouri. She devotes most of her time to school and work, but is now becoming involved in Intercollegiate Knights, Student Union Board, and the Institute of Electronic and Electrical Engineers. The men of Sigma Chi wish Andrea the best of luck.



Susan Goodman
Student Union Board

The Student Union Board is proud to announce Susan Goodman as our candidate for Queen of Love and Beauty. Susan is the daughter of Bill and Gladys Goodman of Poplar Bluff. She is a sophomore in Mechanical Engineering, and has been active in SUB for the past three semesters on the special events committee, the Homecoming Committee, and the Concerts Committee. Susan has also been active in Kappa Delta, Alpha Phi Omega, and Delta Lambda. We feel Susan deserves this honor and wishes her the best of luck!

Features

St Pat's 1992 has arrived

Let the fun begin

By Shawn Michael
STAFF WRITER

Wake up Rolla! St. Pat's 1992 is here! All the planning is over and the big Green machine is once again rolling. The snakes made their fierce attack on campus Monday, but the freshmen bravely fought their fierce onslaught and repelled them, sending all but a few die hard stragglers back to wherever they came from. And by the end of the week the Shillelagh army promises to have all of the snakes vanquished. This will leave the campus safe for the student body to enjoy the BEST EVER, St. Pat's 1992.

And what a party it is shaping up to be. Everyone needs to rest up and study hard this weekend; you will be too busy for any of that nonsense next week. Between the Follies, Gonzo and Games, and the parade, everyone's schedule should be pretty full. And that doesn't even take into account the numerous other activities that will be going on.

A new shipment of green has just recently arrived. Pick up yours at the Puck now, while supplies last because they are going quick. So get psyched and get ready — St. Pat's 1992 is here.

Schedule of events for St. Pat's

March 9, Monday
12:30 - 1:30

Follies at the Hockey Puck on the UMR Campus. Full Beard Contest (Student and Faculty), Women's Walking Stick Competition, Greenest Person (Male and Female), Best St. Pat's Jingle.

March 10, Tuesday
12:30-1:30

Follies at the Hockey Puck on the UMR Campus. Most St. Pat's Sweatpants on in 1 min. Most St. Pat's Garters on in 1 min. Most St. Pat's buttons on a Sweatshirt.

March 11, Wednesday
12 noon - 2:30

St. Pat and his court will arrive in the town of Rolla by hand car on the corner of 8th Street and the railroad tracks. Follies will follow immediately afterward at the pavilion on the corner of 8th and Oak Street. Events will include:

Town Beard Contest (No entry fee, cash prizes)
Novelty Beard Contest,
Men's Shillelagh Competition
Leprechaun Look-a-like Contest
Most St. Pat's Sweatshirts on in 1 min.

8:00-Midnight

Theta Tau Omega Casino Night

at the Armory. All proceeds go to charity (primarily L.O.V.E.)

March 12, Thursday
Noon-5:00

Gonzo "the party" at the Fraternity Row Fields. Featuring live music by Saturn Cats and a Volleyball tournament. Busses will begin running at 11:30 from the EE building and multipurpose. There will be ABSOLUTELY NO PARKING ON FRAT ROW.

March 13, Friday
Noon-5:00

The official St. Pat's Games at the Frat Row Fields. Busses will be running in the same manner as for Gonzo and the same rules will apply. The Games will include the Bat Race (Men's, Women's, and Three Legged), the Muffin Race, 4-On-4 Flag Football, and others.

9:00-10:30 p.m.

St. Pat's Coronation and Knighting Ceremony the Gale Bullman Multipurpose Building.

March 14, Saturday

10:00 St. Pat and his court start down Pine St.

11:00-1:30 The 1992 ST. PAT'S PARADE

Theta Tau's Casino Night kicks off the weekend

By Steve Bahr
Theta Tau Omega

Once again Theta Tau Omega is hosting Casino Night, the Wednesday of St. Pat's, March 11th. It will be held at the Armory from 7:00 p.m. until midnight. Casino Night is a non-alcoholic Las Vegas Style gambling

Louis area merchants.

The cost of a ticket is \$4.00 in advance or \$5.00 at the door. Upon admittance, participants will receive their play money. Also following Casino Night will be a party at Kappa Sig featuring the band Buster Cherry. There will be a small admission charge and a discount on this charge with your Casino Night ticket stub. So



Kevin Biggers

The Casino Night bunnies beautifully displaying a few of this year's prizes.

event. Participants use play money to gamble in various games, such as poker, blackjack, craps, hoops and the ever popular mouse roulette. The object is to win money in order to purchase prizes donated by local and St. remember to keep that stub. All proceeds go to charity, this year our primary charity is L.O.V.E. but we will be giving to other local charities. Theta Tau members will be selling tickets at the Puck a week in advance.

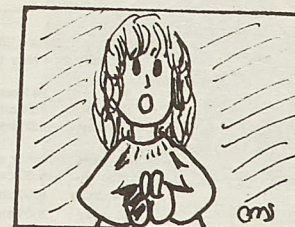
Ozark Actors Theatre to present "Heavenly Sounds"

Ozark Actors Theatre
SOURCE

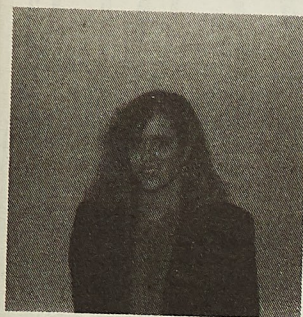
On Saturday, March 7, at 7:30 p.m., the Ozark Actors Theatre will present a concert entitled "Heavenly Sounds— an Evening of Christian Music" at the First United Methodist Church, 803 Main St. in Rolla. The program will feature many local area musicians, representing a wide range of musical styles, including classical, gospel, traditional, country, and contemporary Christian music.

Many artists from our area will perform in Heavenly sounds, including Sue Arnold, Millie Peterson, Janet Turkovic, Jeff Sandquist, and Bob Hachmeister of Rolla, Mary Randolph and Ward Wood of St. James, Darlene Cape of Cuba, Jerry Beers, Shelly Beers, and Diane Weber of Steelville, Major Mike Milner, Laura Milner, and Kassie Bellinger of Waynesville/Ft. Wood, and Jim Finley of Poplar Bluff.

Tickets for Heavenly Sounds are \$5 for all ages and may be purchased in Rolla at the Rolla Bus Center, Forum Cleaners, A Slice of Pie, Lenox Books & Music, Kent's Jewelry, and the Lord's Library; in Cuba at Books 'N More; and in Steelville at Lovan's



Jewelry. Tickets may be reserved by calling O.A.T. at (314)364-9523 or El Tucker at 885-3305 (evenings). All proceeds will benefit the Ozark Actors Theatre. For any further information about Heavenly Sounds or other O.A.T. events, please call 3649523.



April Peterson
Student Council

Student Council is proud to present April Peterson as their 1992 St. Pat's Queen of Love And Beauty candidate. April, daughter of James and Diana Peterson of Chesterfield, Missouri, is a freshman majoring in Chemical Engineering. She serves on Student Council's community services committee, is an active member of the Baptist Student Union, and is a Phi Eta Sigma pledge. In her spare time, April enjoys playing soccer, basketball, volleyball, the piano, and the flute. Student Council wishes April and all of the Queen candidates the best of luck.



Suzanne Reeves
Lambda Chi Alpha

The men of Lambda Chi Alpha are proud to present Miss Suzanne Reeves as our candidate of the 1992 Queen of Love and Beauty. Suzanne, the daughter of Dale and Shirley Reeves of Mehlville, Missouri, is a senior in Mechanical Engineering. While attending the University of Missouri at Rolla, she has been involved in many campus organizations. Some of which include Chi Omega, serving as pledge trainer and past house manager; Blue Key, serving as special projects chairman; Marching and Symphonic Bands, having served as drum major; ASME, Pi Tau Sigma and Phi Eta Sigma. We wish Miss Reeves the best of luck and are confident that she will do well representing Lambda Chi in St. Pat's Queen of Love and Beauty.

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Saturday 8:00 am - 5:45 pm
Sunday 8:00 am - 1:45 am

Special Sunday Hours between semesters:
Sunday 8:00 am - 11:00 pm

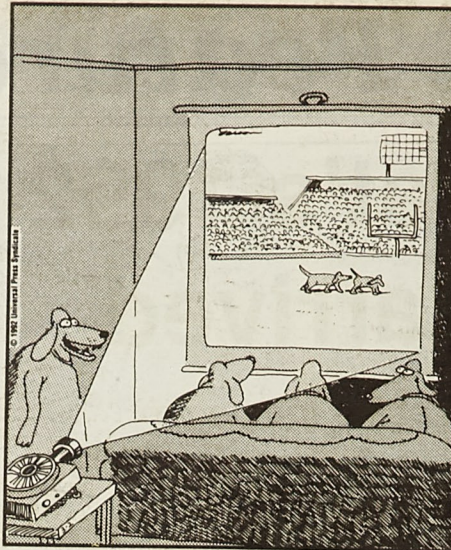
For Your Safety:

A phone is available in Room 104, so call ahead and make sure
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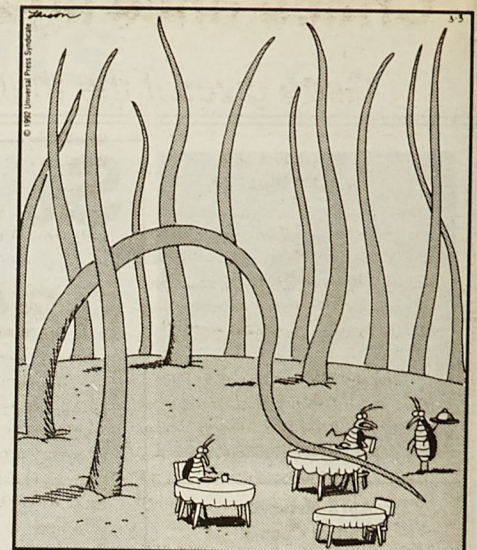
Lab monitors on duty during 1:00 am - 6:00 am shift will escort
you to your computer for 30 min. if you wish. Just ask.

THE FAR SIDE

By GARY LARSON



"Oh, Misty always hates me showing this slide. ...
It's halftime at the '88 Detroit-Chicago
game when we met."



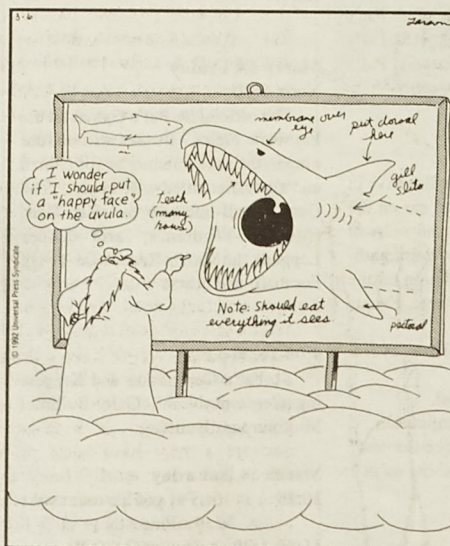
"Waiter, is that a hair in my salad?"



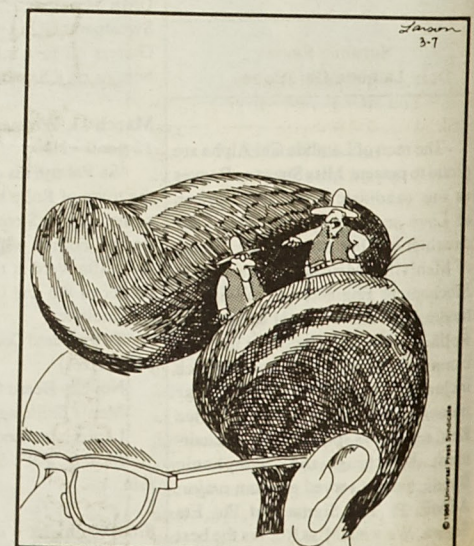
In Saddam Hussein's war room



In an ancient custom of retribution, the ranger Mafia
sends Ted to "sleep with the bears."



God designs the great white shark



"Say, ain't you a stranger in the part?"

Critics once again disagree over quality of "Grand Canyon"

Gene gives it the thumbs up

By Gene Sickle
STAFF WRITER

The movie "Grand Canyon" was one of the most moving and fulfilling movies I have seen in quite some time. The choice of cast, the subject matter, and the sublime messages were all top quality.

The most obvious theme handled in the movie dealt with how society is plummeting headlong toward chaos and destruction. The way the movie describes it is almost as if the public is greeting its own demise with a warm smile and a little game of grope and tickle. Some of the scenes are quite graphic in their demonstration of how badly society has degenerated.

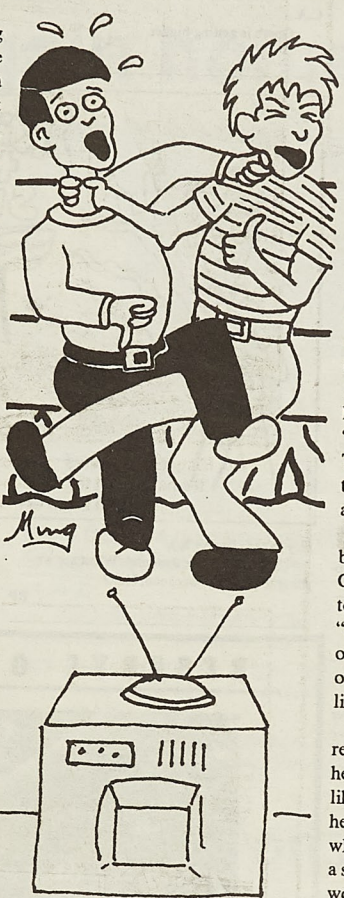
One of the other, more imperceptible of these was how we often take our lives for granted. Many people do not realize how lucky they really are until something happens to drastically change their lives. When was the last time you looked at your life and thanked God just because you were alive and healthy? Probably not recently, unless you experienced some trauma that FORCED you to do so. Often people get so caught up in their insignificant problems and worries that they lose track of what is going around them.

The last theme which proved to be the most difficult to see was how we are all just tiny little bits of an over-

whelming mortality which is whizzing through the cosmos. Our existence means nothing when taken on such a grand scale. If we just ceased to exist tomorrow, would there be any lasting repercussions? No, the universal time piece would see us off without so much as a second glance and just continue to tick off the increments of eons to come. Pretty sobering, isn't it.

As I said earlier, the cast was superb. Danny Glover showed a side which has never been seen before. He is quite the multifaceted actor. I expect good things from him in the future. Kevin Kline was excellent in his portrayal of a confused immigration lawyer going through a middle-life crisis of sorts. While he was quite happy with his life, there just always seemed to be something missing. Very realistic and very believable. Steve Martin gave a show-stopping performance as well. I have never seen anyone who could act so serious and still be so funny. He was very believable and his character went through quite a few revelations about his life.

Overall, the movie was magnificent. The only problem I saw this film was the length. Two-and-a-half hours in a movie theater is a little too long. But, they managed to successfully hitting social issues, humanity, and surreal mental states. I would recommend that everyone see this movie. You won't leave the theater disappointed.



Roger opts for the thumbs down

By Roger Egbert
STAFF WRITER

"Grand Canyon" is unquestionably one of the worst movies I have ever seen. It would have been better titled "Los Angeles really, really sucks!" Between all of the random muggings, drive-by shootings, abandonments, affairs, and other forms of mayhem, the writer obviously forgot to include a plot. The only socially unacceptable deviation I don't recall in seeing was a 12 year old smoking on a crack pipe. I haven't been this depressed since "Rhoda" was taken off prime-time. There is definitely enough misery in the world without making a movie about it.

The cast was definitely high caliber, at least Steve Martin, Danny Glover, and Kevin Kline make an interesting trio but still could not save "Grand Canyon" from being the flop of the year. Their skills were wasted on a poorly written script and unbelievable characters.

Steve Martin played a movie director who got a dose of reality when he was shot in the leg by a mugger. I liked him better in "The Jerk," at least he was funny then. By trying to take on what appears to have been intended as a serious role, he managed to have the worst performance of his career. His character might have had possibilities if he had an arrow through his head, but

as is? No chance!

Danny Glover played a tow truck driver whose place in the film I am still trying to justify. He was, however, the one bright spot in the whole movie. He was believable at most times but those street punks paid him entirely too much respect to be realistic. Maybe I am only bitter because he didn't wait for Predator 3, but I think he was just taking the first job that came along.

Kevin Kline played an immigration lawyer with a psycho wife who was going through a mid-life crisis. He was ok, but there was no way he matched up with his performances in "The Big Chill" and "A Fish Called Wanda." He must really need the work! Also, his character was ridiculous. I just don't see some yuppie lawyer from socioeconomic group not matter how graceful he was. First of all, lawyers are slime and do nothing that won't bring them a profit. Secondly, L.A. people are snotty in general. And finally paranoia increases exponentially with the size of the billfold. It just wouldn't happen.

In short: I hated it. It was far to surreal and lacked a fundamental sense of purpose. If I am going to pay \$5.00 to see a movie, I don't want to have to interpret it. I could have gotten that from reading Emily Dickenson. Don't waste your time on this one folks, you can rent "Jacob's Ladder" for \$2.00 and be just as disappointed.

Having problems? Consult Uncle Larry

Dear Uncle Larry

Dear Uncle Larry,
I want to do something special for my dog on his birthday, but can't think of anything! Tell me what to do!
Desperately Dogged



Dear Desperately Dogged,
You ACLU card carrying, Evian drinkin', BMW drivin', extra chromo-some havin', PETA backin', liberal, no fur wearin', Bob Barker look-alike yuppie larvae. It's losers like you that give society a bad name. I think the things you do with and to your dog are illegal in most states (except Arkansas). What is worse, it is probably a poodle. Why don't you take your own life, or worthless piece of human refuse. Or maybe get sterilized before you breed and spread your disease. Do something more worthwhile with your life, like smoking in bed. Please, put yourself out of our misery. If I were you, I would be ashamed to show my face in public. Hey, do you want rejection, that's just a tip from your Uncle Lar.

Uncle Larry

Dear Uncle Lar,
I am an aspiring alcoholic and I was wondering if you could help me along or give me a few tips. I just can't seem to get the hang of it.
Sincerely
Too Sober

Dear Too Sober,
You would be surprised how many times I hear of problems like yours. The first thing you need to do is to start drinking very heavily. Have a 12 pack or so for breakfast, have an eight or nine drink lunch, stop in at a bar after work, etc. You know, act like the people at UMR. Then if you don't have one already, get yourself a nagging wife and some rotten kids and beat the hell out of them on a regular basis. Start getting into trouble at work and a few infractions with the laws also looks good. See how many DWI's you can get in one month then try to break that record. Refuse to take a breathalyzer. Deny that fact that you have a problem and refuse any help your family offers you. Remember: you are a man; have some pride. Check into a few rehab clinics and then as soon as you get out start over again. Well, I hope these ideas help. Good luck ruining your life.

Uncle Larry

Miner shorts evoke emotions

Change

The coming

By Clavin
STAFF WRITER

By Clavin
STAFF WRITER

The sky broke and darkness of space engulfed my world. The safety of light left with the fireball falling into the ocean. The twinkling eyes watched as I fought with my mind. Could I stop it this time? Why should I? It felt good.

The new moon came and I felt the change start. My skin pricked as the floating sensation filled my body. A new skin covered me as a new mind took mine. The earth was gone. I was all. The light exulted from my body. Nothing mattered. I was nothing. I was everything.

Life was my right hand and death was my left. Mankind was my feather. I walked upon the universe. I felt all. I knew all. I felt nothing. I knew nothing. Perfection was my dominant. Life was my hope. Death was my shadow.

.....and enjoyed the taste at my teeth pierced the skin and meat and the juices flowed down my throat. I left a bit, for my mate would be hungry, too. I heard the thunder and wailing; the light was blinding. I ran down the path looking for a hiding place for my



body, my naked body. Iran with all my might till my sides would burst with the air that filled them and my head explode with blood within. The wailing and thunder passed and I took up again to my place where I sit now.

The thunder and wailing approach but I can not run for eternity. I hear the coming.....

Classifieds

Miscellaneous

*** REWARD ***

For information resulting in the recovery of wheel center-caps stolen off a red '82 Camaro while parked near the Quad, K-Mart's parking lot, or at 17th and Elm. Please call 341-8263.

REWARD OFFERED FOR LOST PENDANT: Lost between Castleman Hall and Bullman Multi-purpose building. Pendant is a 1" silver oval with a black design inlaid on both sides. Call 341-4864 during the day or 364-0448 after 6:00 p.m.

Earn as much as \$5,000 - \$10,000 this summer painting houses in your home town. Final interviews for Manager trainees are being held now. Call 1-800-2-Manager.

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DAVE SIM — Creator of Cerebus and Aardvark appearing live at Comic Headquarters—March 6 call 314-487-9442.

Kirkville carpool—riders and drivers wanted. Call 364-0913 ask for Larry.

Wanted: 1 Bench step for aerobic stepping, prefer an adjustable one. Call 364-6402.

For Sale: 73VW Bug, white, 140K plus miles. Less than 30K on engine, \$1000 or best offer. Conway 364-9818.

Personals

I close my eyes to the darkness
But darkness is ruler in here
I fight darkness with all my might
But darkness is ruler of the night

The light shines through my windows
And darkness is no more
I welcome the loving light
I turn and darkness hides in my shadow

S.J.C.

Homer and Plappy's Bait and Ammo Shop. We have a complete selection of tackle and ammunition. We have deer tags!

Hey Marge:
Mmmmmmm Donuts.

Homer

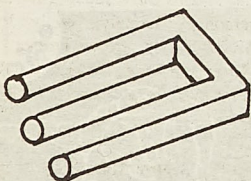
Hey Laura,
What is that? Not your pants.

Spock

Hey Tyson,
How much bigger can Oprah get?

Uncle Lar

Chi-O's,
Get psyched for formal!



You don't quit
until 10 minutes
after you're
dead!

Spiderman

1992 MARVEL COMICS

Beth R. (FCD),
What is up? Haven't talked to ya lately.
Stop by sometime and I will feed you.

BBW
Aka ex-roomie

Hey Chien,
When do I get to meet the harem?

RP

Triangle,
How cool was that?

Pie Person!

Hey little sister,
Good luck on the scholarship, even if I
deserve half for writing it for you.

Love in AOT,
Laura

Jon,
Thanks for buying me a car, Men at Rolla
should take note—this is how to treat a lady.

Babe

Giggles,
Call me sometime when you are not too
busy. Maybe you won't have to play nurse maid
the next time we party.

RP

My window is broken and who is going to fix
it?

M.D.,
Have you felt any earthquakes lately?
Mine doesn't even make the earth hardly quiver.
Some people don't appreciate it when they have
it good.

Your almost roomie

Chi-O is #1.

Angela P.
Thanks for being such a sport. Nobody else
looks quite as good in pond water.

Lico,
Your attackers

Brian H.
Things are really looking up. I love you!
(Hugs and Kisses)
Always,
Angie

Deanna,
Good luck in St. Pat's.

Lico,
Your Sisters

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C.A.,
Oprah is getting bigger.

Tyson

Flea,
U down wit OPP, know what I mean?

RP



Hey Weez (Denise R.),
You study more than me! When are we
going to plan that weekend, Huh?

RP

Flea,
I'm too sexy for the K-man, too sexy for
the K-man!

RP

Get ready,
Chi Omega Spaghetti Dinner is coming
soon. All you can eat! Buy your tickets early.
(Proceeds go to charity).

Gina Boots,
I know who you are.
A friend in Comp Sci.

Erica from Poll Sci,
Roses are red, Violets are blue, I am not
married. How about you?
A secret admirer

To the 12:30's Poll Sci Mst Sgt.
Don'ta messa with my vocabulary! 2's
better than 1.
B.R.T.

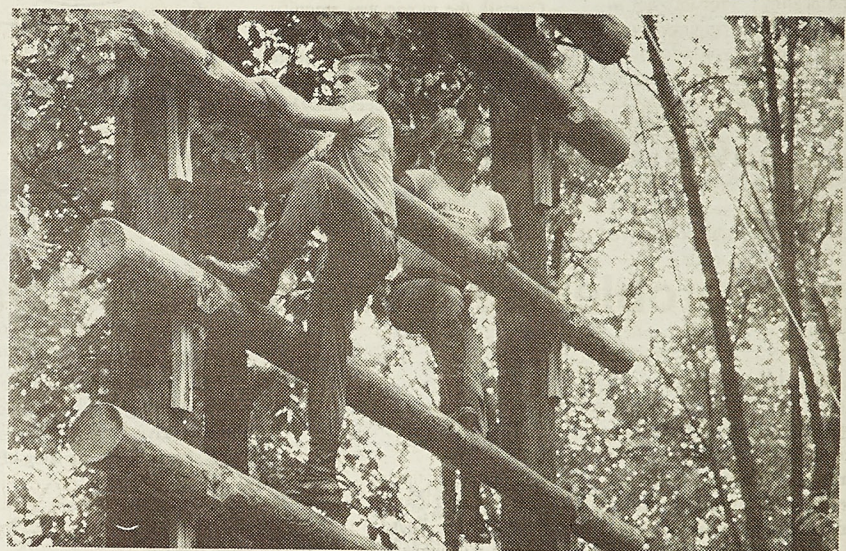
I understand. I feel the pain and hurt.
I am Sally Jessy.

Chrissy,
Schwiiiing!

I found this cup of _____ in the bathroom,
blah, blah, blah.....
An Observer

Boy those Slgs can party!

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to earn Army officer credentials while
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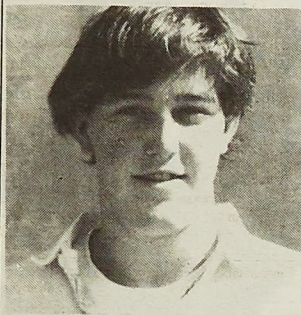
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For More Information Contact
Major Scott McWilliams
310 Harris Hall
or phone 341-4738

Sports

M-CLUB

ATHLETE OF THE WEEK



By Kerry Kimmel
M-CLUB

This week's Athlete of the Week is Mark Cresswell. Mark, a junior from Appleton, Wisconsin, placed first in three events at the Mideast Regional Championship. Out of 12 teams, Mark tied for high point swimmer of the meet by placing first in the 400m IM, the 500m Freestyle, and the 1650m. Nice swimming Mark!

Miners gain homecourt advantage

By Christopher Goo
STAFF WRITER

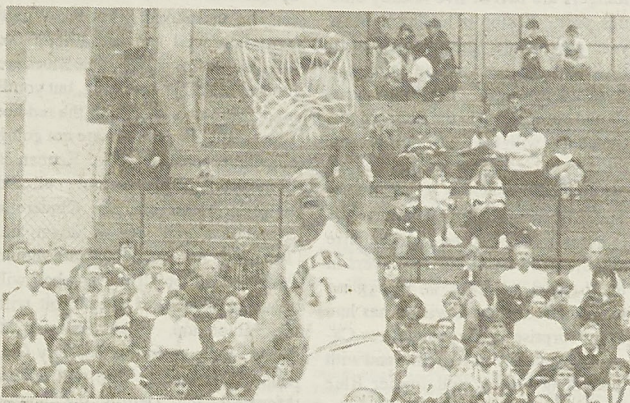
The Miners bid to finish first in the conference play was dashed by Emporia State last Wednesday night. The game was played in Emporia, KS, and the outcome was an 89-79 triumph for the Hornets.

The game went back and forth until UMR established a ten point lead with 13:28 remaining in the second half.

The Hornets fought back to a 59-51 deficit before running off 15 consecutive points to put themselves up 66-59 with eight minutes to play.

The Miners made a comeback as Bill Jolly scored 13 of the team's next 20 points to pull within one point at 80-79 with 1:05 remaining.

The Hornets' James McCallop was fouled the next two possessions and he canned all four free throws to ice the game at 84-79. The foul-free throw game ended with the final score



Chris Dawson gets up against Northeast Missouri state for a little peanut butter and jam

of 89-79.

Bill Jolly led the Miners with 27 points followed by Donnie Brown's 15 and Chris Dawson's 10. Brown and Dawson also grabbed 8 and 7 rebounds respectively.

To Saturday night's game.....

With home court advantage for the

conference tournament to advance to the field of 32, which will then compete for the Division II championship. Northeast put up a decent fight for about five minutes, until the Miners' Bill Jolly hit two free throws at the 13 minute mark to give UMR a 22-13 lead.

The Miners never looked back and went into halftime with a 15 point lead. The second half had the Bulldogs pull within 10 points but it was the Miners' defense and hot shooting that proved to be more than the Bulldogs could handle and the game ended at 97-78. Bill Jolly led all scorers with 21 points and 7 assists. Donnie Brown added 17 points and 7 rebounds. Off the bench, James Sinner had 13 points, and Jon Huecker added 7 points and 9 rebounds.

As I stated earlier, UMR will host Pitt State next Tuesday in the first round of the conference tournament. Tickets are \$5.00 for the general public, and \$2.00 for students.

A.T. Goon brings out predictions on major league baseball

By A.T. Goon
STAFF WRITER

Spring training is here! Spring training is here! God has rescued us from hockey and pro-basketball and sent unto us a beacon of light. Professional baseball. Not only do the fans enjoy this time of year, but sports writers as well. We get to give the world (or least the campus) our predictions. So get a notepad and a pencil, because her comes the low down.

National League East

I am sorry, I realize that everyone says this every year, but the Mets are going to take the East. With a murderers' row of Bobby Bonilla, Eddie Murray, and Howard Johnson, all switch hitters. The Mets picked some more than Jld? I think not. for that reason look for Bernard Gilkey to step into a starter's role this season. As long as they can keep it close, Lee Smith is waiting in the pen.

Everyone seems to have given up on the Pittsburgh Pirates. Granted, the loss of Bobby Bo will hurt this club, but then again, Barry Bonds, Jay Bell, Orlando Merced, Andy Van Slyke, Mike Lavalliere, and Jose Lind still remain. This is a lot more talent than most teams can boast about

Running fourth, the Cubs will run out of gas at mid-season. They have the players in Ryne Sandberg, Mark Grace, Jerome Walton, and Shawon Dunston, but with Jim Lefebure at the helm, no ball club will go anywhere.

The Phillies will beat the Expos for the cellar. The Phils, however could surprise if John Kruk, Darren Daulton?, Lenny Dykstra, and Ricky Jordan all have bat awakenings at the same time. Note: Watch rookie shortstop Kim Batiste. He is good!

The Expos—last. Trading away Andres Gallaraga did accomplish one thing. It settled the argument over whether or not the Expos are trying to lose. Obviously they are.

National League West

As much as I hate to say this, the Dodgers will win the west. Adding Eric Davis to an outfield that already includes Kal Daniels, Brett Butler and Darryl Strawberry does nothing other than give the Dodgers the best outfield in Baseball. Hershisers back is back, and so are the Dodgers. Acquiring pitcher Tom Candiotti and putting him in a rotation with Orel Hershisers and Ramon Martinez is almost as scary as the outfield.

The Padres will surprise this year and come in second. Why? One word: offense. Darrin Jackson, Tony Gynn, Tony Fernandez, Fred McGriff, and Benito Santiago provide San Diego with the most potent offense in the National League. It is a real shame they do not have any arms to go with their bats.

The Atlanta Braves and Cincinnati Reds will fight it out for third. The Braves had a lot of career years last season, and those numbers will not be duplicated by all. Steve Avery is the real thing. He will be around a long

time. Tom Glavine is a one year wonder. For get his name because chances are you will never hear it again.

The Reds are a lot like the Padres, except they were dumb enough to trade away their major run producer Eric Davis. What is even dumber is that they traded him away to an intradivisional rival. Smart move on the Cincinnati management's part.



The San Francisco Giants will finish fifth. Poor Will Clark, is perhaps the best player in baseball today, it is just too bad that he is surrounded by mediocrity in Candlestick. Note: Look also at the Giants rookie shortstop Royce Clayton. Rookie of the Year, possibly.

The 'Stros are last again. It is hard

to give reasons why so I will just say "they stink."

National League East

The Blue Jays will return to the ALCS in 1992. Joe Carter, Devon White, Roberto Alomar, Kelly Gruber, Jon Olerud, and Candy Maldonado are just too many bats to finish any less than first.

The Bo Sox. Second again. Their offense is still the same as every year. Their defense is still the same as every year, and their pitching staff is the same as every year. Hey guys! You will finish second again, same as every year.

After a long time, the New York Yankees are on the rebound. Picking up outfielder Danny Tartabull, and adding his bat to a lineup that already includes Don Mattingly, Roberto Kelly, Hensley, Mevlens, Mel Hall, and Kevin Maag makes for the nucleus of a solid club. However, the Yankees lack what many teams lack: pitching. The Orioles and Brewers will fight for fourth. Both teams are very similar. Simply, no leader, no stars, no go. The only reason they will finish this high is because the two worst teams in baseball, the Detroit Tigers and Cleveland Indians are both in their division. The Indians are so hurting for fan support that in 1992, they are giving away free season tickets to all high school varsity baseball players in the greater Cleveland area.

National League West

Welcome to the toughest division in baseball. This season, however, it is

not difficult to come up with a clear cut favorite. After pickup second baseman Steve Sax in the off season, the Chisox have only solidified their chokehold on the division. Frank Thomas leads the divisions best offense, with Tim Raines, Robin Ventura, and Ozzie Guillen. Their pitching staff, led by Jack McDowell, is not stellar, but will suffice for this year. The Texas Rangers are finally ready to contend. Catcher Juan Gonzalez, Ruben Sierra, Rafael Palmeiro, and Julio Franco, represent four of the premier hitters in the game today. They may start slow, as Gonzalez is injured, due to an off-season car accident, but they will give the pressure in the stretch.

Third place is a battle between the A's, Royals, and Angels. The Royals and Angels have added a lot of new personnel, namely, Wally Joyner, Alvin Davis, Hubie Brooks, Keith Miller, and Gregg Jeffries. It will take more than one season for these clubs to mesh.

The Seattle Mariners will have a typical season and finish second to last.....again.

Finally the Twins, who went from last to first in 1991 will go from first to last in '92. Sorry guys, the dream season is over. Wake up and get beat. Well, there you have it, the predictions for the 1992 season. If you agree with them, well, good for you, and if you don't, well, you are wrong.

Squiggy makes NHL call with 15 weeks left

By Chris Merris
STAFF WRITER

With approximately 15 games left in the NHL's regular season some may be wondering who is the team to beat, who is hot and who is not. Well hopefully I can clear up some of the mishaps of a very long 1991-92 hockey season. Let's break down each division and conference to see who may emerge the 1992 Lord Stanley cup winner:

We will start with the Prince of Whales Conference and their Patrick division. The team to beat here is the NY Rangers with a fine blend of offense and defense they may be the best team in the NHL and the team to beat, but even though their record says it other teams show a similar blend and more intensity like the Washington Capitals who are thriving under Coach Terry Murray for third in the NHL.

New Jersey look, charged and ready to go with Scott Stevens wreaking havoc on opposing defenses. Finally the last playoff birth should go to Pittsburgh unless the NY Islander or

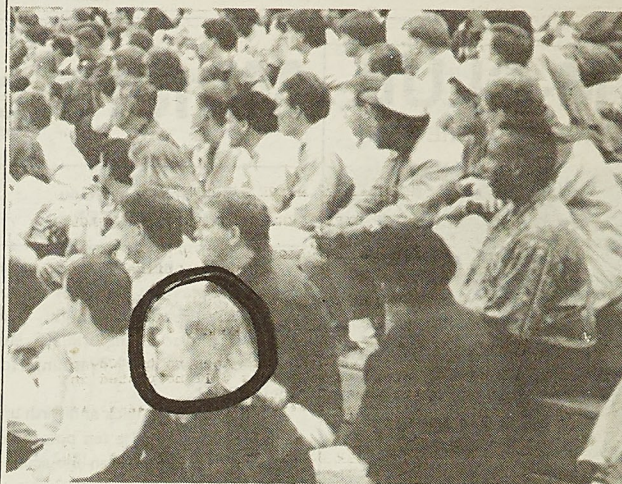
three spots and I have no idea who will Philadelphia get hot.

The Adams division features far and away the best defense in the NHL with Patrick Roy in the goal the Canadians are pounding their way through the season and are poised for a run at the cup. This team along with NY Rangers are two of five hockey elite this year. Boston is having a down year and should finish second with Buffalo reviving a bit to third and Hartford in fourth. The Conference should come down to the Rangers and Canadians with the Canadians getting the edge but watch out for Washington or a hot Boston and New Jersey Teams. The Clarence Campbell conference features a lot of speed tight defense and the two best offensive players in the League who are on struggling teams. The Smythe Division has had a big surprise in the Vancouver Canucks, they lead by 10 points and with the young players and former Blue players they sit on the top of the Smythe. Los Angeles is second and should remain there for the remainder of the season, but the Kings are getting better and may be hot by playoff time.

It looks like Edmonton Winnipeg and Calgary will duke it out for the last win over in the end.

The Norris Division has revived the last two years to bring out three great teams and a Cinderella story. The Red Wings are fast and furious on offense and adequate on defense. And adequate in this division means exit early in the playoffs, but the Wings have improved and are among the NHL's elite this season. The Blues are hot and are off and running, but youth on defense may hold back the red hot Blues. The Blackhawks are not going anywhere because Mike Keenan is burning out his players and goalie Ed Belfour. Minnesota, the Cinderella Story of a year ago is down and Toronto is hot, but Minnesota should come out on top. The Campbell will feature Los Angeles and Detroit with Detroit on top. Watch out for St. Louis, Vancouver and possibly Chicago. The Stanley Cup will feature Montreal and Detroit the winner should be the Montreal Canadians, but don't quote me on that because the playoffs are a whole new season.

KEY SPORT FAN IN THE STANDS



This week's Fan in the Stands attended the Miner basketball game versus Northeast mo. State. If this is you, come claim your prize at the Miner office, 103 Norwood, on Thursday at 5:00.

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FRIDAY, MARCH 13th
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Co-op Placement

March, 1992 Co-op Sign-ups

CO-OP EMPLOYMENT OPPORTUNITIES - PAGE 1

Sign-up location: 303D Norwood Hall
Co-op Office

Sign-up hours:
8:00 - 11:30
1:00 - 4:15
Monday - Friday

Additions and/or changes to the Co-op
interview schedules will be posted in
the Co-op Office

Interview date: Thurs., March 19, 1992

GENCORP AUTOMOTIVE
Batesville, Arkansas

Interviewing: Mechanical Engineers

Requirements: 2.5 GPA or above. US
Citizenship required. Academic level
of applicants: at least 59 credit hours
completed at the end of the present
semester.

Sign-up date: Thurs., March 5, 1992

start work fall 92

1 hour interviews

2 schedules - 14 interview openings

Interview date: Tues., March 24, 1992

ADVANCED CIRCUITRY, DIV. OF LITTON INDUSTRIES
Springfield, Missouri

Interviewing: Chemical, Mechanical and
Metallurgical Engineers

Requirements: 2.5 GPA or above. Academic
level of applicants: at least 50 credit
hours completed at the end of the present
semester.

start work summer or fall 92

Sign-up date: Tuesday, March 10, 1992

2 schedules - 22 interview openings

VULCAN MATERIALS COMPANY
Countryside, Illinois

Interviewing: Mining Engineers

Requirements: 3.0 GPA or above.
US Citizenship required.

Start work summer 92

Turn in resumes: Wed., March 11, 1992

RESUMES ONLY. IF YOU WOULD LIKE TO BE
CONSIDERED FOR CO-OP EMPLOYMENT WITH THE
ABOVE COMPANY, PLEASE TURN IN A COPY OF
YOUR CO-OP RESUME TO THE CO-OP OFFICE ON THE
ABOVE DATE.

Interview date: Thurs., March 26, 1992

WOODWARD-CLYDE CONSULTANTS
St. Louis, Missouri

Interviewing: Chemical, Civil, Chemistry,
Geology, and Geological Engineers

Requirements: 3.0 GPA or above. Academic
level of applicants: at least 60 credit
hours completed at the end of the present
semester.

start work summer or fall 92

Sign-up date: Monday, March 16, 1992

1 schedule - 11 interview openings

NOTE: The ones that indicate RESUMES ONLY.
This means the company will not be on campus
interviewing, but they want resumes to review
and should contact you if they are interested
in interviewing you.

Please let the Co-op Office know immediately
of any acceptance of an offer.

Please check with the Co-op Office periodically
to see if additional companies have scheduled
interviews and for changes and/or additions.

MISSED THE SIGN-UP DATE? CHECK WITH
THE CO-OP OFFICE. THERE STILL MAY BE
INTERVIEW OPENINGS AVAILABLE.

ADDITION TO MARCH CO-OP INTERVIEW SCHEDULE

Interview date: Friday, March 6, 1992

ALCO CONTROLS
St. Louis, Missouri

Interviewing: Mechanical Engineers, Electrical
Engineers and Computer Science

Requirements: 2.8 GPA or above.
M.E. schedule - applicants must be
Juniors or above. E.E. & C.Sc. schedule
applicants must be second semester freshman
or above.

start work summer 92

Sign-up date: Friday, February 28, 1992

1 schedule for M.E. - 9 interview openings
1 schedule for E.E. and C.Sc. - 9 interview
openings

PRE RECRUITMENT MEETINGS FOR MARCH, 1992

MARCH 3, 1992	U. S. GYPSUM	6:30 P.M. MISSOURI ROOM UNIV. CTR.-EAST
MARCH 18, 1992	SPORLAN VALVE	7:30 P.M. MARK TWAIN ROOM UNIV. CTR.-EAST
MARCH 25, 1992	ATLAS WIRELINE	7:00 P.M. MERAMEC ROOM UNIV. CTR.-EAST

Placement

UNIVERSITY OF MISSOURI-ROLLA
Office of Career Placement
301 Norwood Hall

PERMANENT EMPLOYMENT

WEEKLY DETAIL LIST #7
Additions -- March 1992

PHASE IV SYSTEMS
3405 Triana Blvd.
Huntsville, AL 35805
attn: Ms. Carolyn Pylant

NUMBER OF SCHEDULES: 1
MAJORS: BS/MS Electrical Engineering
POSITION: Systems Analysis
Systems Engineering
Hardware Development
LOCATION: Huntsville, AL
INTERVIEWING: December 1991 or May 1992 grads
MINIMUM G.P.A.: 3.0
(PREFER CO-OP EXPERIENCE)
CITIZENSHIP: U.S.

DEADLINE FOR TURNING IN RESUMES: Monday, March 9, 1992
INTERVIEW DATE: March 23, 1992

ANHEUSER BUSCH
1 Busch Place
St. Louis, MO 63128
attn: Ms. Kathy Brumitt

NUMBER OF SCHEDULES: 1
MAJORS: BS/Chemical Engineering
POSITION: Brewing Supervisor Trainee
This is an 18-month training program held in St. Louis. Candidates selected for this position will be assigned to the Research Pilot Brewery with the corporate brewing department. Upon completion of this training program, candidates will be referred to existing breweries for consideration as a Brewing Supervisor.

INTERVIEWING: May or July 1992 grads
CITIZENSHIP: U.S. Citizenship or Permanent Resident Visa

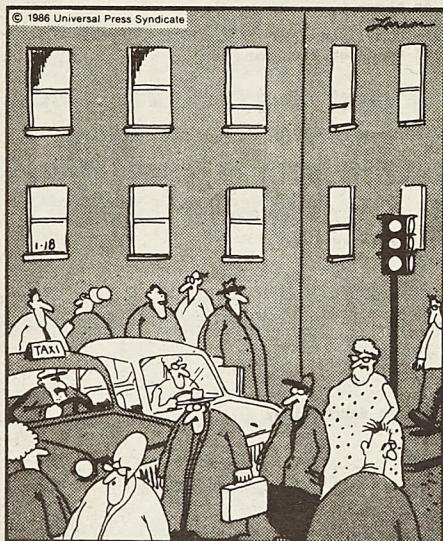
DEADLINE FOR TURNING IN RESUMES: Monday, March 9, 1992
INTERVIEW DATE: March 25, 1992



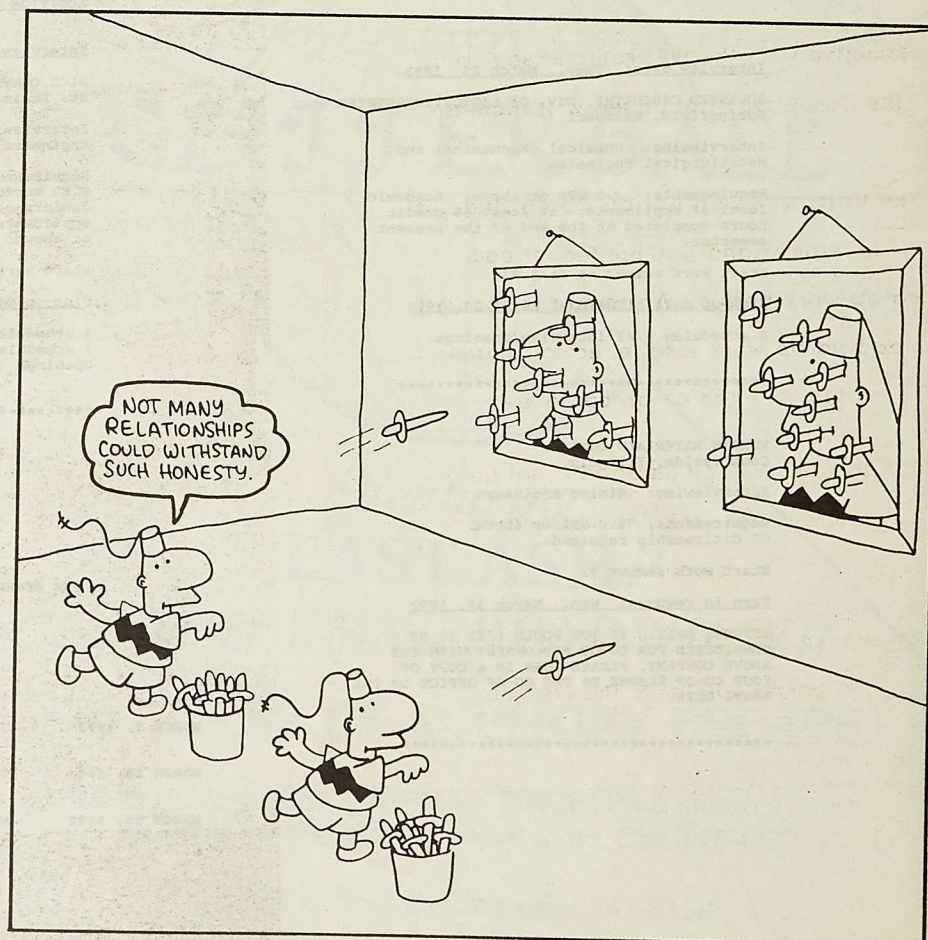
Suzanne Metzner, UMR alumnus, represents her company at the Spring Job Fair. Suzanne graduated last December and now works for Procter & Gamble

THE FAR SIDE

By GARY LARSON



They weren't the most evil people in the world — nor the best. They were the Village of the Darned.



Summer Employment

UNIVERSITY OF MISSOURI-ROLLA
OFFICE OF CAREER PLACEMENT
301 Norwood Hall

SUMMER EMPLOYMENT

WEEKLY DETAIL LIST #7
ADDITION -- March 19, 1992

WELLS MANUFACTURING COMPANY
7800 North Austin Ave.
Skokie, IL 60077
attn: Bob Engelhardt

NUMBER OF SCHEDULES: 1
MAJORS: 2 or more years completed in
Metallurgical Engineering
POSITION: Summer employment
LOCATION: Skokie, IL

DEADLINE FOR TURNING IN RESUMES: Friday, March 6, 1992
INTERVIEW DATE: March 19, 1992

ENGINEERING SUMMER INTERN

The City of St. Peters is now accepting applications for a summer intern in the Engineering Department. Minimum of two years engineering undergraduate work preferred. Knowledge of construction practices, concrete testing, soil testing and surveying desired. Human Resources will be accepting applications through March 16, 1992. Those hired must be available for work from June through August 1992.

Interested persons apply at City Hall, One St. Peters Centre Boulevard, St. Peters, Missouri 63376, or send resume and letter to: Personnel Officer, City of St. Peters, P.O. Box 9, St. Peters, MO 63376

FOR ADDITIONAL SUMMER JOB OPPORTUNITIES, PLEASE CHECK THE SUMMER JOB NOTEBOOK (LISTING OF COMPANIES NOT INTERVIEWING AT UMR), Room 304 Norwood Hall.

SUMMER, 1992

Effective with the 1992 summer semester, the Co-op registration fee will increase to \$81.40.

The University requires all Co-op students to register and pay the fee for each co-op work period. A summer is counted as a co-op work session, not a summer job with the co-op company.

A late fee will be charged if not paid before 10 days into the succeeding semester.

Register at the Co-op Office and pay your fee before you leave the campus.

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And you're still smoking?

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- * Elbow pain or tenderness less than 4 weeks duration

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- * Testing an investigational non-marketed antibiotic for 10 days
- * Participants must be ages 18 or older
- * Facial pain, headache, fever, sinus congestion/pressure

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- * Testing an investigational non-marketed oral drug for 16 weeks, with an opportunity to continue for an additional 40 weeks
- * Participants must be between the ages of 18 and 75 years
- * Diagnosed or undiagnosed hypertension, on or off current therapy

ASTHMA

- * Testing an investigational non-marketed aerosol drug for 4 weeks
 - * Participants must be ages 18 years or older
 - * Mild to moderate asthma, coughing, shortness of breath, or wheezing
-
- * All medications are approved for testing by the Federal Drug Administration
 - * All research studies are reviewed and monitored by a local Institutional Review Board
 - * Participants will receive medical examinations, condition assessments, laboratory tests and study medications at no charge
 - * Participants will receive a monetary stipend for successfully completing a study, or on a pro rated basis, if applicable

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