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The Missouri Miner, September 18, 1991

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Missouri Miner



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

September 18, 1991

Volume 80, Number 3

Sixteen pages

Proposition B sets a variety of goals for higher education

ASUM SOURCE

There has been a lot of talk around campus lately about Proposition B. Just what is it?

Proposition B is an educational reform package on the November 5th ballot that proposes to raise \$385 million, of which \$190 million is for elementary and secondary education, \$5 million for job development and training programs, and \$190 million for higher education.

A variety of goals are set for Higher Education by Proposition B and its expected contribution to universities and colleges. These are to be primarily enacted through the Coordinating Board for Higher Education and its \$105 million share that it will distribute. After the development of a fair allocation system by the Board, resources will be granted for supporting programs that improve test scores, expand engineering and science areas, and creating centers of excellence in such fields as computer science and engineering-manufacture technology at four-year institutions. An additional \$13 million distributed will repair and maintain facilities on state campuses.

Another monetary provision of Proposition B that could aid universities such as UMR is the proposed \$26.1 million for scholarships and grants to Missourians. This in an effort to reduce the approximately 25,000 students state-wide who qualified but did not receive aid last year.

Other four-year university oriented allocations would include the Undergraduate Performance fund, and

Competitive Research grants. \$11.5 million from the Performance fund will channel new resources to programs that actively achieve important state-wide goals or improve student achievement. The grants program, providing \$11.2 million, will allow universities to conduct research critical to the economic development of the state.

Community education programs additionally benefit from increased funding under provisions of Proposition B. \$21.8 million raised will expand programs and access for areas not now served by post-secondary education. The University of Missouri's own Extension program is designated to receive an additional \$1 million.

It is unclear just how much UMR might benefit from this bill. Vince Roach, President Academic Council 90-91, estimated in his report to the Council that this University might receive an additional \$9 million a year.

Of the \$190 million for elementary and secondary education, \$150 million will be appropriated through the foundation formula; he states normal allocation process. This will result in an approximately 20% increase in resources available to Missouri educators. Proposition B does not propose to change the current funding formula for elementary and secondary education as many had hoped. The measure does however contain a guarantee that no school district will receive less money per pupil than it is currently provided.

Under current Missouri law, portions of this enlarged funding would go towards lowering teacher/student ratio, as well as increasing salaries. To provide further incentive, \$15.3 million will be provided to schools that reduce their class sized to 15 students in grades K-12.

Proposition B also sets out to support successful supplemental education programs, including the national acclaimed "Parents as Teachers." Current funding for this specific project only serves about 30% of eligible families. In the first full year of enactment, this ratio is estimated to rise to 45% as an additional \$5.7 million is supplied. Another \$1.1 million will, if Proposition B passes, be used to extend the "Parents as Teachers" Pro-

gram into the school year and become "Parents as Partners."

Incentives for teacher development and additional provisions of the "Excellence in Education" act are expected to receive \$4 million. Lastly, \$8 million is to provide for programs enacted in 1990 by Governor Ashcroft and the Missouri General Assembly for at-risk youth. This is for young people who are disabled, handicapped, and from low-income families.

Proposition B, as with Higher Education, again means more than just monetary support for elementary, secondary, and vocational institutions. Major reforms are outlined. This legislature states that schools will guarantee that graduates have attained basic skills. If a graduate who has received

a diploma can not demonstrate these basic skills within three years after leaving the school, then the district would be required to pay for remedial education. School districts would also be required to allow families to choose which school their children attend within the area. Elementary and secondary schools would additionally need to give a report of their performance to the community. But schools

will have the added benefit of hiring qualified professional persons who have at least a bachelors degree though not necessarily in education, to become classroom teachers.

See Prop. B, page 3

Water turbine wins first place in Hydro Power Contest

News Services SOURCE

A small water turbine designed and built by Charles Patterson, a graduate student in civil engineering at the University of Missouri-Rolla, won first place in the graduate class in the student division of the Hydro Power Contest held recently in Denver, Colorado.

Patterson received a \$1,500 scholarship from the U.S. Department of Energy, a cash award of \$1,000 and a scientific calculator from the Hewlett-Packard Co.

According to the contest organizers, the purpose of the contest was to increase interest in hydropower as a clean, renewable and environmentally sound way of generating electricity.

"Each entrant had to build a device that converts a specific water flow into power — enough to lift a one-kilogram weight to a height of three meters," explains Patterson. "The contestants whose devices lifted the weight the fastest won."

The designs used a turbine wheel and could include shafts, pulleys or other mechanisms to convert the turbine power into mechanical power to lift the weight.

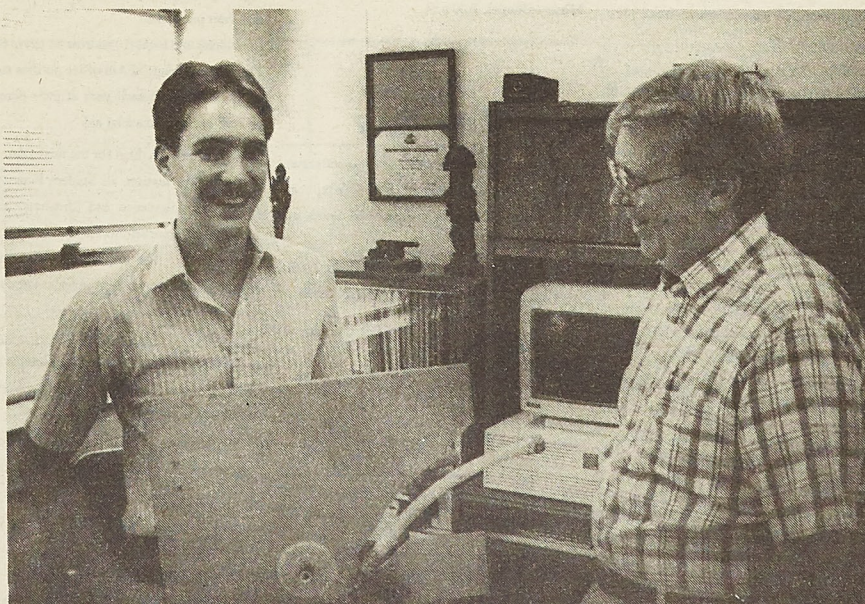
Patterson says that he spent approximately 30 to 40 hours, "usually late at night," on the design, construction and testing of his contest entry.

He adds that he had never built a turbine before although he has studied the theory in hydraulics classes, including a class taught by his UMR adviser, Dr. Charles Morris.

Morris, an associate professor of civil engineering, says that he hopes

more students will enter competitions such as this one which provide them with hands-on experience. "Students need both the knowledge acquired in the classroom and practical experience in order to be prepared for engineering careers," adds Morris.

Patterson, who received a bachelor's degree in civil engineering from UMR in 1988, is completing work on his master's thesis and plans to continue his studies for a Ph.D. degree. He also works part-time for Missouri Engineering in Rolla.



Charles Patterson (left), a civil engineering graduate student, talks with Dr. Charles Morris.

News Services

Calendar of Events

Wednesday

Juggling Club meets at 5:00 p.m. at the Hockey Puck. As always beginners are welcome.

UMR Women's Soccer, SIU-Edwardsville, 7:00 p.m., UMR Soccer Complex. Free Admission.

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

BACCHUS Mtg., Maramec 4:00 p.m.

Spelunkers Club Mtg., 204 McNutt, 6:00 p.m.

Wesley Foundation Mtg., 6:00 p.m.

Alpha Chi Sigma Mtg., G-3, Schrenk, 7:00 p.m.

American Society of Civil Engineers Mtg., 104 CE, 7:00 p.m.

Society of Mining Engineers Mtg., 204 McNutt, 7:30 p.m.

Thursday

Anyone wishing to develop and improve:

- * Good speaking and presentation skills
- * Ability to think quickly and clearly on your feet
- * Better listening talents
- * Strong leadership skills

TOASTMASTERS CAN HELP!

OPEN HOUSE:

Formal: Sept. 19, 4:45 - 5:45, Mark Twain Room, University Center-East.

Regular meetings are held very Thursday at 4:45 in UCE.

For more information contact Kay at 341-5987

UMR Film Series, "The Nasty Girl" 7:00 p.m. Miles Auditorium. For more information call 341-4200.

SUB Fine Arts Committee mtg., 8:00 p.m., SUB Board office, for discussion & planning of upcoming events. New members welcome!

SUB Leisure & Recreation Committee mtg., 8:30 p.m., SUB Board office, Triathlon planning and MORE. New members welcome.

SUB: Runaway/Puck, 3:00 p.m.

Chi Epsilon Mtg., 117 CE, 4:00 p.m.

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

Intercollegiate Knights Mtg., 204 McNutt, 6:00 p.m.

Alpha Phi Omega Mtg., 6:30 p.m.

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

Gaming Association Mtg., 208 ME, 8:00 p.m.

Friday

UMR astronomy club will sponsor a Visitors

Night at the UMR Observatory, 8:00 p.m.

The UMR Trap and Skeet Club will hold meetings every Friday at 3:30 in T2 (the white building behind the library). We will go out and shoot if the weather permits. All interested persons are welcome to attend. For more information, contact Mike Giboney at 364-6991 or Tracy Bagwill at 364-8664.

Intervarsity Christian Fellowship presents:
Sex: What's God got to do with it? Guest

Speaker Bob Perkins, St. Louis director of Young Life.

7:00 p.m. Chem E bldg. Rm. 139.

Muslim Students Association Mtg., 1:30 p.m.

Saturday

UMR Staff Day at the football game, Miners-vs-Northwest Missouri State University, lunch 11:30 a.m. to 1:00 p.m. Ticket orders to Laura Stoll, 103 Parker Hall.

Ekaterina Maximova and Vladimir Vasilev, stars of the Bolshoi Ballet and Company, invitation only performers, for castleman Hall premier patrons.

Juggling Club will be having a teaching session from 1 - 5 p.m. at Miner Rec. Admission is free. Refreshments will be served to participants.

Sigma Chi Derby Days Dash

Open Gaming Session, 317 CE, 9:00 a.m.

Sunday

Students Mass, 5:00 p.m.

Wesley Chapel, 7:00 p.m.

Monday

Autumnal Equinox today! The equinoctial sunrise and sunset may be viewed at UMR's replica of Stonehenge, located near Highway 63 South and St. Patrick's lane. Sunrise will be at 6:55 a.m. and sunset at 7:03 p.m., says Dr. Joseph Senne, UMR professor emeritus of civil engineering. The official time for the equinox is 7:48 a.m.

GDI Governors Mtg., Maramec, 6:00 p.m.

Christian Campus Fellowship Mtg., Missouri, 6:00 p.m.

BSU Bible Study, 6:30 p.m.

Eta Kappa NU Help Sessions, 101, EE, 7:00 p.m.

National Soc. of Black Engineers Mtg., 7:00 p.m.

Tuesday

Amnesty International mtg. 7:00 p.m., Room 202, UMR library. For more information call Chien 341-2011.

BE COOL! GIVE BLOOD! Do your part, 11:00 a.m. - 5:00 p.m. Centennial Hall. Student Council Sponsored.

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

Society of Automotive Engineers Mtg., 104 ME, 6:00 p.m.

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

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

CHI Alpha Mtg., Maramec, 7:00 p.m.

Tau Beta Pi Mtg., G-3, Schrenk, 7:00 p.m.

Next Wednesday

UMR Women's Soccer, University of Missouri-St. Louis, 6:30 p.m., UMR Soccer Complex. Free Admission.

STUCO BLOOD DRIVE, 11:00 a.m. Centennial Hall.

Financial Aid

Correct Student Address is very important. The Student financial Aid office is encouraging students to contact the Registrar's office to make sure that their permanent (P) address and local (L) address on file is correct. The student Financial Aid office notifies students in the summer of each year at their permanent address on what financial aid

will be offered to them for the next year. While classes are in session, all Student Financial Aid office correspondence and "financial aid proceeds" checks are sent to the students local address. The Registrar's office should be contacted whenever a student's Permanent or Local address changes.

Rolla Area Business and Professional Women is offering two scholarships of \$500 to women enrolled for the 1992 Spring semester.

- * Applicants must be permanent residents of either Phelps, Dent, Maries or Pulaski Counties.
- * At least 25 years of age.
- * Enrolled at an accredited educational institution.

The scholarship will be awarded on the basis of financial need and the development of a specific plan for using the scholarship to advance their career goals. The scholarship recipient will be selected on an objective and non-discriminatory basis without regard to race, creed or religious affiliation.

Deadline: Must be received by the Scholarship Selection Committee no later than Sept. 30, 1991.

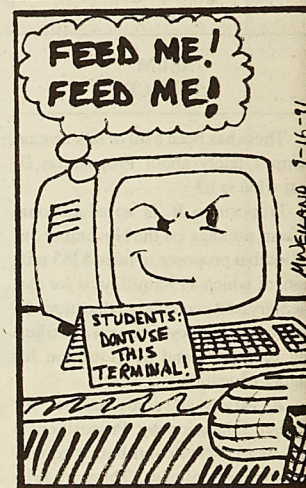
For more information and/or applications pertaining to the scholarship, contact the Student Financial Aid office, G-1, Parker Hall.

National Academy For Nuclear Training Scholarships are awarded to college students who have demonstrated outstanding academic achievement and who are interested in pursuing careers in the U.S. nuclear utility industry. For the 1992-93 academic year, 275 new and renewal merit-based scholarships of \$2,250 each will be awarded. Eligibility requirements

are:

- * be a U.S. citizen or U.S. national
- * be considering a career in the nuclear utility industry
- * be enrolled at an accredited U.S. college/university in an approved curriculum related to a career in the nuclear utility industry, such as: nuclear, chemical, mechanical, electrical engineering, power generation, health physics
- * have a minimum GPA of 3.0 as of Jan 1, 1992
- * be free of post college obligations

* must have remaining at least one but no more than three academic years of study
Early in Oct., information and application materials will be mailed to the faculty representative appointed by the dean of engineering. Students may also request application materials directly from the program. Applications must be postmarked by February 3, 1992.



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 6:30 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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Student Activity Fee Board explains policy on funding

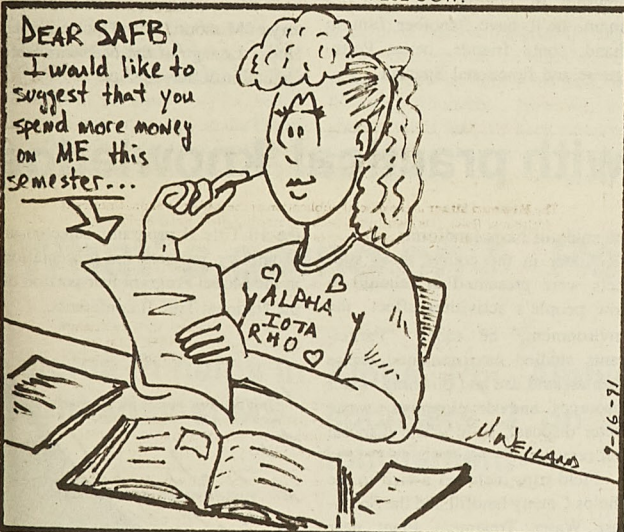
SAFB SOURCE

The Student Activity Fee Board (SAFB) decides how to allocate Student Activity Fee money. During the spring semester the SAFB sends out a survey to one thousand randomly selected students. This survey is to find out the student's opinion on how their Student Activity fees are spent. This past survey focussed on the students' opinions regarding Student Council and the ROLLAMO. These results are available from the SAFB to be viewed.

In the fall, members of the SAFB meet with agents of the organizations who are funded by the Student Activity Fees. These meetings are to prepare each organization's budgets. The SAFB then makes recommendations to Student Council on how the money should be distributed. Once the SAFB recommendations are approved by Student Council the recommendations must then be approved by the Chancellor and the Board of Curators. If either of these disagree with the SAFB's recommendations, the entire process must be started again.

The following is a list of this semester's members, and the organizations they will be working with:

- Mark Strickland (chairman)** - St. Pat's Board, KMR
 - Kerrie Blazek** - SUB, ROLLAMO
 - Sarah Blunt** - StuCo, Non-Varsity Sports
 - Mike McClellon** - Cheerleaders, Equip. Fund
 - Ronald Platz** - Missouri Miner, Gold Course
 - Chris Sheehy** - ASUM, Capital Funds
 - Mark Junkins** - Associate Member
- UMR is one of the few university's where the student body has control of the Student Activity Fees. If you have any comments or suggestions regarding Student Activity Fees, please contact the SAFB in the Student Council office 202 UCW.



Prop. B

from page 1

Revenues for this measure are slated to come from a 3/8 cent sales tax, \$.05 cent cigarette tax (10% on other tobacco products), 1.5% increase on the state corporate tax for those with taxable earnings above \$100,000 and a cap on the deductible allowance for federal income tax. The pack a day smoker would pay an additional \$20 a year. As for the average Missourian, the result is a small \$6-\$10 a year increase. But for the very high income family, the impact of Proposition B is great. A family earning \$97,500 would only have to pay an additional \$1,298 a year. Almost half of the funding for Proposition B is projected to come from the above \$200,000 income bracket.

If the educational funding and reforms of Proposition B are passed by Missourians in November, Missouri would raise from 46th in the nation on

per person spending on higher education to 18th out of the 50 states. Other states that have enacted similar legislation have been able to draw significant economic advantages. For example, Saturn Motors chose Tennessee over Missouri primarily for its dedication to education. The effect was to add 4,500 jobs to the state.

Many educators feel that if Proposition B does not pass, Missouri will not have the opportunity to support education, in which both the governor and the legislature agree for the next decade.

(Information gathered from ASUM; Missouri Office of Administration, Division of Administration, Division of Budget and Planning; UM System, office of the President.)

Student Union Board provides students with recreational, social activities

SUB SOURCE

The Student Union Board (SUB) is an organization composed of approximately 150 students who plan a variety of activities to meet the social, recreational, and cultural needs of UMR students. All SUB members, including the Board of Directors and Officers, work completely on a volunteer basis (no salaries). Through your Student Activity Fees, the Student Union Board funds finance a myriad of entertainers and activities. SUB also supports "On The Loose," a complete outdoor recreation rental facility exclusively for UMR students and staff. Everything you see from SUB is the work of one of SUB's seven committees: Concerts, Fine Arts, Films and Video, Leisure and Recreation, Special Events, Technical Services, and Variety Entertainment. It is the students on each committee who decide what concerts will be put on, which comedians will perform, which movies will be shown and what tournaments will be held. Committee size varies from 10 to 40 members each, and every student on campus is eligible to be part of the Student Union Board! Contemporary music on a large scale (big rock concerts) is the responsibility of the Concerts Committee. Last year's concerts included REO Speedwagon, blues great Lonnie Brooks, reggae group Ipso Facto, hip hopping Innovation, and the Laser Light Rock Show Spectacular! This year, look for Kendrick to perform on October 2, at 8:00 p.m. at the Hockey Puck.

The SUB Movie Series and special movie events, such as the "New Movie Night" are selected by the Films and Video Committee. This semester's Movie Series includes *The Doors*, *Godfather II*, *Misery*, and *Predator II*. Movies are shown every Friday and Saturday in ME 104 at 7 and 9 p.m. For a complete list of upcoming movies, look for the large, blue posters, or pick up a Movie Series strip in the SUB office for convenient reference anytime!

Classical and semi-classical concerts, plays, and lectures are selected and arranged by the Fine Arts Committee. This committee also provides financial and advising support to the Campus Performing Arts, making it possible for students to attend any Campus Performing Arts show free of charge (regular ticket price is \$10). Past Fine Arts events include the Kansas City Ballet, Malthini and the Mahotella Queens, jazz musician Christopher Hollyday, and the Second City Comedy Troupe. Keep an eye out for Shakespeare Theatre this year!

Management of "On the Loose," and various indoor and outdoor competitions is the responsibility of the Leisure and Recreation Committee. Outdoor events include the Annual SUB Triathlon (September 28th this year), Mud Volleyball, Frisbee Golf, and Sand Castle building. Indoor tournaments include Indoor Soccer, Volleyball, Spades, Ping-Pong, Billiards and Three-on-three Basketball.

Special Events Committee members coordinate the Homecoming festivities, with a special Homecoming

chairman and sub-committee. Keep your boots on for this year's "Hogwyld Homecomin'" from September 29th through October 5th. The Special

Events committee also organizes other activities, such as College Bowl, the annual SUB banquet, and a program for Alcohol Awareness Week.

Technical Services Committee members act as a support crew in charge of set up and operation of spotlights, sound systems, and projectors at SUB events, as well as at other campus activities. Members are paid for running and maintaining the equipment.

The Variety Entertainment Committee plans shows of all types. Although it is probably best known for nightclub style comedians, this committee handles hypnotists such as Jim Wand, coffeehouse entertainers, mind readers, magicians, and jugglers. This semester check out acoustic duo Runaway on Thursday, September 19 at 3:00 p.m. at the Hockey Puck, and comedian Taylor Mason who will kick off Homecoming week on Monday, September 30 at 8:00 p.m. at the Hockey Puck.

If you have any questions or comments about the Student Union Board, or would like to join a committee, please stop by the SUB office located in room 218 of the University Center-West, just above the Butcher Baker Deli. Joining a committee is painless, easy, a great way to learn organizational and leadership skills, have a say in campus activities, and to meet new friends. As a bonus, if you stop by, we'll give you a tootsie-roll.

Search for new chancellor continues

News Services SOURCE

The search for a new chancellor at the University of Missouri-Rolla has resumed following the selection of Dr. George A. Russell as President-Designate for the University of Missouri System.

Dr. Russell today said that he is adding three members to the Search Committee to provide additional participation in the search process and final selection.

"With searches for chancellors, I want to have participation of a chancellor from another campus, as well as members from the Board of Curators," Dr. Russell said. "I believe the search will be enhanced with viewpoints from these additional members."

Curators Andy Runge of Mexico and Cynthia Thompson of St. Louis and UM-St. Louis Chancellor Blanche Touhill are the new committee members.

Dr. Russell said he met with the Search Committee August 30 to re-



view progress and the approach to bringing the search to closure. Dr. Walt Gajda, chair of the search committee, noted that the President-Designate has directed the committee members to report to him individually rather than collectively in communicating the most highly recommended candidates at the end of the screening process.

"The committee has worked hard, and I am pleased with their progress," Dr. Russell said. "I am grateful for the time and talent each has provided to make the search a successful one. I also am grateful to the additional committee members for their willingness to help."

The four campus chancellors also serve as general officers of the University of Missouri System. They report to the University President, the chief administrative officer who reports to the Board of Curators.

Although the review process is underway, the committee welcomes additional, timely nominations and applications.

UMR's Professor Bogan returns to Brazil for new movie

News Services SOURCE

University of Missouri-Rolla art professor James Bogan, whose award-winning documentary "T-Shirt Cantata" showed how American symbols and images pervade life in the Brazilian Amazon, will soon return to Brazil to make another film.

Only this time he won't be looking at t-shirts. He'll be making a movie about hammocks.

"What the porch swing is to the Ozarks, the hammock is to Brazil," says Bogan.

Bogan will return to Brazil as one of a team of 40 people from the United States and Latin America selected to work together in a leadership-development and cultural-exchange program sponsored by Partners of the Americas and the W.K. Kellogg Foundation. The program, known as the Fellowship of International Development, is designed to strengthen ties among the nations and peoples of the western hemisphere.

Twenty people from the United States and twenty from Latin America and Caribbean countries were chosen for the fellowship. All partici-

pants are active in inter-American relations through their state or local Partners of the Americas program.

The Partners of the Americas brings together volunteers from the U.S. and Latin American nations to work cooperatively on a variety of development projects.

has sponsored more than 100 exchanges of educators and development workers in the last five years. Bogan headed a committee that brought an exhibit of Brazilian art to Missouri in 1989.

"We're very pleased with Jim's selection," said Barbara Moore,

program is the opportunity to meet and work with so many diverse people from North and South America," Bogan said. "I expect it will be exhilarating and exhausting, and that's fine by me."

He added that he hopes that following his experience with the Fel-

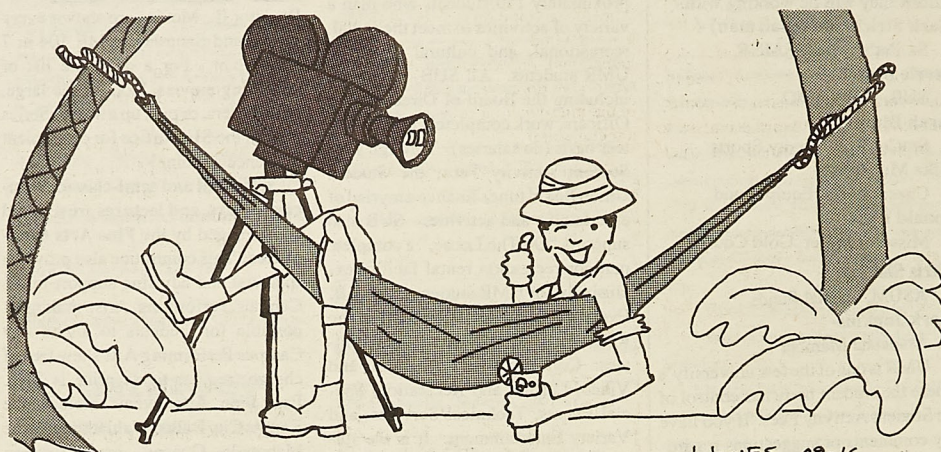
Bogan will participate in five leadership seminars in four countries over a 30-month period beginning in June. The group will first convene in June at Washington, D.C., to examine inter-American relations with an emphasis on development programs and leadership techniques.

"Hammocks are colorful, and the people in them are eminently photogenic," Bogan says. "I hope to feature this fact of Amazonian life from before the cradle to the grave."

Members of the fellowship also are to undertake a project with members of their Latin American sister states. Bogan plans to work with Brazilian filmmakers on the movie about hammocks.

Bogan made "T-Shirt Cantata" in 1986 while lecturing at Brazil's Federal University of Para under the sponsorship of the Fulbright Commission. The film, supported by a grant from the Independent Production Fund, won a CINE Eagle Award, and has been screened at numerous international film festivals.

Bogan is currently producing "Tom Benton's Missouri" a half-hour film on the artist's "Social History of Missouri" mural located in the House Lounge of the Missouri State Capitol in Jefferson City.



J. JONES 09-16

Bogan, a member of the UMR faculty since 1969, is active in the Missouri-Para, Brazil, Partners of the Americas group. The partnership

president of the Missouri-Para Partners of the Americas. "He'll be a wonderful asset to the fellowship."

"What I really like about this

lowship in International Development, he'll have "another film in hand, some friends, better Portuguese and functional Spanish."

Summer Institute provides participants with practical knowledge

News Services SOURCE

Participants who attended the University of Missouri-Rolla's Earth and Atmospheric Science Summer Institute were provided with practical knowledge about concepts of earth and atmospheric science and their interaction with everyday life.

The six week institute focused on two integrated courses — "Environmental Geoscience" and "Basic Weather," according to Dr. C. Dale Elifrits, UMR associate professor of geological engineering and the institute director.

"The initial sessions emphasized fundamental concepts of earth and atmospheric science," Elifrits says. "As the course progressed, the practical application of these topics and their interaction with everyday life were presented."

"For the teachers who attended, the earth and atmospheric science courses will help them to meet certification requirements to teach science," he adds.

Lab exercises during the institute included a project at the Missouri Geological Survey where the participants wrote a report about geologic features in their areas.

Dave Allen, who teaches geology and astronomy, and who will teach meteorology next year at Parkhill High School in Parkville, Mo., located

near Kansas city, says that the institute expanded his knowledge of geology and its relationship to the state of Missouri.

"What I have learned during this institute will certainly help me teach my students about the state that they live in," Allen states.

He explains that the field trips were excellent and provided him with practical applications and how those applications relate to the real world.

"I've been able to see those applications first-hand and that has made it more meaningful," Allen adds.

Anita Beckmann, a senior in physics at UMR from St. Louis, explains that the institute provided her with the knowledge of the geological history of a number of areas.

"It is amazing to be able to identify rocks or rock formations and then be able to apply the physics associated with those rocks," she says.

Beckmann, who is daughter of Bruce and Mary Anne Beckmann of Chesterfield, indicates that she plans to work in the area of environmental law after graduation.

"This institute has helped me with that goal," Beckmann says. "It has broadened my base of environmental knowledge."

Irene Gnemi, a senior in psychology at UMR from the rural Rolla area, says, "I am extremely interested in science, especially geology and life science."

"This institute has given me the opportunity to learn much more about those areas," Gnemi states. "I've also learned a great deal about earthquakes and volcanoes."

She explains that she has also gained knowledge of structural geology, which deals with rock formations, and plate tectonics, which deals with the theory of continental drift, or how rock formations are formed.

"It is fascinating to learn the many aspects of environmental sciences and how they relate to one another," Gnemi adds.

Frank Stevens, who teaches courses on science resource at Nowlin Middle School, near Kansas City, Mo., says, "Everything we teach at Nowlin is interactive with environmental science."

"Because of this, the institute has been very beneficial for me," Stevens indicates. "It has expanded my base of knowledge so that I can make practical connections between geological science and life science."

He notes that the institute also has been a learning, working experience. "And, I'll be able to incorporate what I've learned here to make lessons better for my class," Stevens adds.

Elifrits explains that the first part of the "Environmental Geoscience" course covers the fundamental concepts of physical geology such as mineral and rock identification and

the study of basic landforms.

"Later in the course these subjects were presented in relation to how people's activities affect the environment," he adds. "Participants studied environmental topics such as land use and planning, water resources and development, waste water disposal, solid waste disposal and recycling."

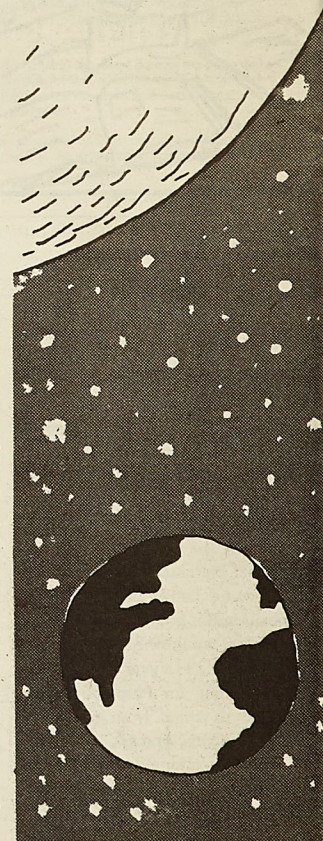
Field trips included a visit to the Phelps County landfill and the Southeast Water Treatment Plant near Rolla.

Institute instructors were Elifrits, who is associate director of the Freshman Engineering Program at UMR; Dr. John Schmitt, research associate professor of physics and cloud physics at UMR; Dr. John D. Rockway, professor of geological engineering at UMR; and Tom Butler, a former junior high school teacher of earth science in the Lincoln County R-III School in Troy, Mo., and currently science curriculum supervisor in the Pautonville School District.

Support for the institute, which paid the participants' tuition, was provided by the Eisenhower Act Fund, Title II, through the Missouri Coordinating Board for Higher Education. Participants paid for their living expenses and text books. In some cases, these costs were paid by Title II monies from the teacher's school district.

In 1988 the institute was one of

the 10 Title II programs selected as exemplary projects for presentation in the Model Program Fair portion of the National Title II conference.



Wednesday, Se
Boar
By Shaw
STAFF
We, the lords o
rectors of all tha
and sometimes of
and greener, have
Sept
Muffin Race Boat
1) AXA TH
2) TKE K
3) EX S
nite wisdom that is
reaffirm our supre
lessers beings who
of chickens instead
is correct, on Oct.
Board will patient
to come ever so me
nity Drive fields for
be a tradition of sor
What
Sigma Pi
fight aga
By Anthony
Sigma
The Alpha Iota
Pi recently received
National Multiple
for donating the m
organization. In the
Pi donated \$5600
against multiple sc
sclerosis. Multiple
national philanthrop
Fraternity.
Members of Sig
their trophy for M

Features

Board promises to crush IFC

By Shawn Michael
STAFF WRITER

We, the lords of the universe, protectors of all that is good and green, and sometimes of that which is evil and greener, have decided in our infi-

the ultimate sadomasochistic experience.

For the fourth consecutive year all of those in attendance will see the Board soundly demolish those poultry poundin' wimps in what promises to be an incredibly hilarious, yet gruel-

yipee. So, come on out to the fields, have a good time watching a great game, and remember no matter what you do, never place house pets in the microwave if they are wearing a metal collar.

Septemberfest Results

Muffin Race	Boat Race	Men's Bat Race	Women's Bat Race	4 on the Floor
1) ΛΧΑ	TKE	ΑΕΠ	ΑΕΠ	ΑΕΠ
2) TKE	ΚΣ	ΒΣΨ	TKE	ΣΝ
3) ΣΧ	ΣΠ	ΛΧΑ	ΣΧ	ΚΣ

nite wisdom that is once more time to reaffirm our supremacy over those lesser beings who prefer the favors of chickens instead of women. That is correct, on Oct. 4th the St. Pat's Board will patiently wait for the IFC to come ever so meekly to the Fraternity Drive fields for what has come to be a tradition of sorts in the pursuit of

ing, game of football. Kickoff time has been set for 3:00 p.m. But one must remember that this is the IFC that we are dealing with, so don't expect them to show up until some time the following Thursday. However, the good news is that it's been rumored that they may bring the Greek Hay ride cups from '90 to the game—



New organization forms for computer enthusiast

By Rob Zee
H.A.C.K.E.R.S.

H.A.C.K.E.R.S. is a new club at the University of Missouri at Rolla. Our aims and objectives are listed in our constitution as follows:

- A. Aims:
1. Promote computer literacy on campus.
 2. Promote sharing of knowledge among students.
- B. Objectives:
1. Provide online electronic bulletin board.
 2. Assist students in purchasing computer equipment.
 3. Arrange help sessions and/or lectures on computers operating systems, and programming.
 4. Establish scholarship fund for students in computer related majors at UM-Rolla.

We have an electronic bulletin board system available 24 hours per day for members and non-members alike. The phone number is 364-

2591. Please set your modem for 2400 baud, 8-N-1.

We welcome new members... the dues are only \$5 per years students (non-students may use our system for \$10 user fee per year) and the benefits are great! Our next meeting will be Wednesday, at 7:30 pm on September 18, 1991. Members and guests are welcome.

We will have a meeting for nominations of officers the first Wednesday in October at 7:30 and a meeting for the election of officers the first Wednesday in November at 7:30.

Officers hold their position from January 1 through December 31. The meeting place will be posted on the

bulletin boards on campus and on our BBS (electronic bulletinboard system).

If you would like to find out more about H.A.C.K.E.R.S. or to join, please come to one of our meetings, call the Commander (president) of H.A.C.K.E.R.S., Rob Zee, 341-3637, or call our BBS line at 364-2591.

What's going on? Reports from around the UMR campus

Sigma Pi helps in fight against MS

By Anthony Houdysell
Sigma Pi

The Alpha Iota chapter of Sigma Pi recently received a trophy from the National Multiple Sclerosis Society for donating the most money to their organization. In the 1991 year, Sigma Pi donated \$5600 to help in the fight against multiple sclerosis. Multiple sclerosis is the national philanthropy of the Sigma Pi Fraternity.



Sigma Pi

Members of Sigma Pi display their trophy for MS donations.

Alpha Phi Alpha sponsors 3 on 3 tournament

By Kenneth Rice
Alpha Phi Alpha

The Men of Alpha Phi Alpha Fraternity, Inc., will be sponsoring their third annual 3-on-3 Basketball Tournament. The tournament will be held September 21st and the 22nd at the UMR Intramural Basketball courts. The tournament will be sponsored by Brown's Pro Motion, located at 1203 C Forum Drive. We're asking for everyone over the age of 17 to come out and participate in the fun. The cost is \$10.00 per team and the entries must be in by September 18th. The tournament is for the community as well as the University. Each team should have three players plus an alternate.

For more information call 341-3322. Entries should be sent to: Alpha Phi Alpha, 600 W. 7th Street, Rolla, MO 65401.

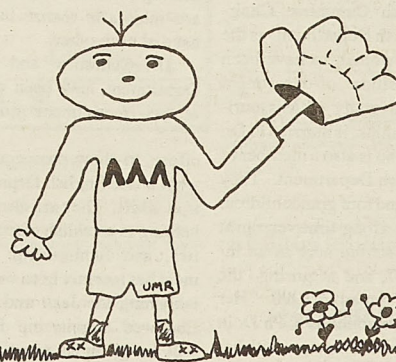
Panhellenic to put on all Greek softball tournament

Panhellenic
SOURCE

UMR Panhellenic is sponsoring an All-Greek softball tournament on Sunday, September 29 at the Fraternity Row fields. It will be a co-ed tournament with a minimum of two girls playing on each team at one time. Further details and the entry form should have been received in the campus mailboxes at the end of last week. Weather permitting, it will be great fun for all involved and a good stress reliever after first rounds are over. So fellow greeks, come on out and support Panhellenic and IFC, have some fun and most importantly—Play softball!

If you didn't receive details and an entry form, or you have any questions at all concerning the tournament, please contact Sheila Connors at Chi Omega.

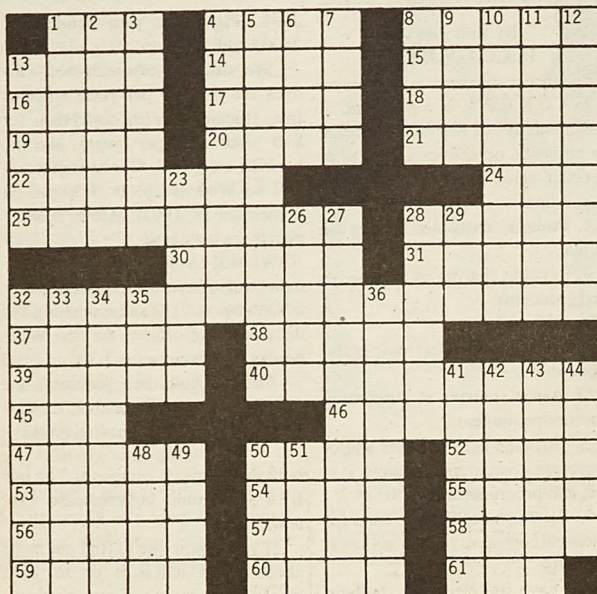
Calling **ALL** Greeks !!



Panhellenic's
ALL GREEK
co-ed
Softball
Tournament

S. Connors

Fun & Games



© Edward Julius Collegiate CW79-9

ACROSS

- 1 Part of TNT
4 Despot
8 "— Again, Naturally"
13 Bandleader Fields
14 Prefix meaning sun
15 Short putt
16 It's above the épaules
17 "The Odyssey," e.g.
18 Pizzeria fixtures
19 Mr. Clapton
20 Too-too clever
21 Grammatical symbol, for short
22 Portable sunshade
24 Zeta's neighbor
25 Something to make of oneself
28 After alma, pia, or dura
30 Ghostlike
31 Cosmetician Lauder
32 Aeschylus, Euripides, et al. (2 wds.)
37 Prevention unit
38 City in central Spain
39 Was upheld
40 Congressional act of 1941
45 Bando or Mineo

- 46 Red dyes
47 Embarrass
50 Half of former TV duo
52 Henry or McHenry
53 Cartoon character, Mr. —
54 Circle dance
55 Quantity in a quincunx
56 Actor Richard, and family
57 Like Frere Jacques
58 "Country" Slaughter
59 Comedienne Martha, and family
60 Blockhead
61 Kojak and Columbo (abbr.)

DOWN

- 1 Beat — (be exonerated)
2 Put out, in baseball
3 Drug-yielding plant of South America
4 Sight from California's Rte. 1
5 Hollow and deep
6 Dismounted
7 1978 baseball MVP
8 on
9 Output from Vesuvius
10 "The Mikado," e.g.
11 Impossible cribbage hand
12 Traps
13 Sheldon's "In His —"
23 Gave financial backing
26 Depart
27 Had prime responsibility
28 Military "fruit salad"
29 "— Lay Dying"
32 Floating cobweb
33 Turnip variety
34 Famous World War II plane (2 wds.)
35 Business subject, for short
36 Fabulous place or car (2 wds.)
41 Famous tower
42 Consecrate
43 Automatic control systems, for short
44 Senator Kefauver
48 Unit of loudness
49 Adam's brother
50 Neighbor of Sudan
51 King of the road

Solutions on page 7

Dr. Cummings offers a female perspective as department head at UM - Rolla

By Staff Writer
Susan Middaugh

Dr. Elizabeth Cummins, Chairman of the English Department, is the first, and only, woman to have been awarded the position of department head at the University of Missouri-Rolla. Dr. Cummins, is married to Dr. Larry Vonalt, who is also a member of the UMR English Department. They have two sons, and four grandchildren.

Cummins is a long-time veteran at UMR, having started here as an instructor in 1967, and acquiring the position of Chairman in 1990. Her educational background is a Ph.D. in English, Urbana-Champaign, with her Major Field in Modern American and British Literature; M.A. in English, University of South Dakota; Fulbright Scholar, University of Bristol (England); A.B. in English, University of South Dakota, Summa cum laude; A.A. Cottey College. She has also written, and published many reviews, and articles, as well as two books.

Dr. Cummins feels that, as a woman, she is naturally very sensitive to women's issues on campus, but she tries to keep her perspective student-oriented, and enjoys working on committees that deal directly with student issues. She also believes that it is a

real challenge to teach English at a university which is focused mainly on engineering and science. In Cummins opinion, it is very important for engineering /science majors, and liberal arts majors to realize the need they have of each other.

Dr. Cummins, and the English Department, have been working hard at their recruitment program, in an

effort to show prospective students what a fine English Department there is at UMR. They are also involved in helping to establish career opportunities, and fund raising. The department has recently been working on establishing the Jack and Mary Boyd Endowed Scholarship Fund, which will be given to promising English majors. In the meantime, the department has set up an emergency fund for English majors who are in financial crisis.

The department is also seeking ways to expand the writing courses at UMR, and is considering starting a Writing Across the Curriculum (WAC) program, in which every faculty member would be involved in helping students to become better writers. Another tentative program is the opening of a "Writing Center." The center would be staffed with Professional English teachers, and stu-

dent tutors, who would be available to help any person on campus with writing. It will be like a writing lab, with computers, writing software, and personal help with virtually any type of writing problems. As of now, the projects are all subject to adequate funding.

Dr. Cummins feels that the strength of the department lies in teaching, with an almost all Ph.D. faculty, and relatively small classes, the students have ready access to teachers. Another asset is the research and publication within the department. A number of the faculty have published books and articles directly relating to the area being taught in the classroom.

Some problem areas of the department, however, are the inability to hire new faculty. The department needs to hire experts in the field of writing, and would like to expand into the area of Literature in Science.

It is Cummins' opinion that the caliber of the UMR English major is quite high, even though the department doesn't attract as many of the outstanding high school graduates as they would like, possibly because the university is not as well known for its Liberal Arts departments, as for Engineering and Science. She was most pleased, however, when the recent recipient of the Chancellor's Scholarship was an English major.

D.E.A.F. to sponsor sign language classes

DEAF, Inc.
SOURCE

Fees for sign language classes are \$30 per person, \$40 per family, and group rates are available. All classes are held at DEAF Inc. which is located in the First Baptist Church of Rolla at 9th and Cedar streets.

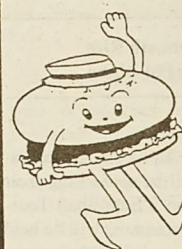
The classes will cover basic non-verbal communication, fingerspelling and vocabulary. The intermediate/advanced classes will study American Sign language.

For more information call 341-3442 (voice/TDD) or write DEAF Inc., 9th and Cedar, Rolla, Mo 65401.

DEAF Inc. in Rolla will hold Sign language classes beginning September 24. Beginner sign language class will be on Tuesday evening, starting Sept. 24, from 6:30 to 8:30 p.m. Intermediate classes will be on Thursday evenings, starting Sept 26, from 6:30 to 8:30 p.m.. All classes will last for eight weeks.

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in town!



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Men's Night - Wednesday
Ladies' Night - Thursday**

9:30 - 1:00

341-2110

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Classifieds

Miscellaneous

For Sale: Equations Library room card for the HP 485X. Manual included. \$60 call Alex at 341-3951.

STUDENT ORGANIZATIONS; Every student Organization has a mailbox in Student Activities, 113 University Center West. Check your mailbox regularly for mail and notices.

STUDENT ORGANIZATIONS; Turn in your membership forms as soon as possible. They go to Linda Martin, 218 University Center West. **AFTER NEXT WEEK, THEY WILL BE OVERDUE AND YOUR ORGANIZATION RISKS LOSING ITS OFFICIAL UNIVERSITY RECOGNITION!**

College Rep to deliver "Student Rate" subscription cards on campus. Good income, no selling involved. Application from: CAMPUS Service, 1024 W. Solar Dr., Phoenix, AZ, 85021.

Collecting Goods for Rummage Sale for Charity. Lambda Sigma Pi is presently collecting items to sell for a rummage sale. Proceeds will go to a local charity. All donations will be greatly appreciated. We will pick up all donations. Please call Brooke at 341-8346.

The Society of Women Engineers (SWE) will be hosting "An Evening with Industry" on September 26. All companies that are attending Industry Day have been invited to dinner at Zeno's. All SWE members are invited to attend at a greatly reduced fee. All proceeds from this event will help send SWE members to National Convention in Orlando, FL next summer.

Students wanted for Programming Committee: Interested in planning programs on campus? A student steering committee is currently planning National Collegiate Alcohol Awareness Week, held every October on the UMR campus. Student input and energy is critical to the success of this series of fun, educational, and entertaining events. Students who are interested in serving on this Steering Committee should contact Dr. Camille Consovo, 204 Norwood Hall, 341-4211.

WANTED: Addressers wanted immediately! No experience necessary. Process FHA mortgage refunds. Work at home. Call 1-401-321-3064.

Next Cycling Club Meeting. Election of officers on September 25, 1991. 8:00 p.m. 210 McNutt.

Personals

Sig Ep,
Congratulations on rushing 25 stud pledges!
Keep rocking!!

Sig Ep,
Awesome Summerfest Finale! The band was GREAT! Can't wait for the next one.

Wet and Wild Women of Beerslides,
How ya feeling? Thanks for coming by. We hope you had fun. But a little advice for next time. Skin to win and white shirts slide better than blue.

Sig Ep,
Was that you last Friday night? Turn it down!

Girl with the nice butt,
Hi!

Congratulations to the new Chi Omega initiates.
The party was a blast!

Hey new Zeta initiates,
Congratulations and thanks for the Party!

Hey Panhellenic pledges,
The pledge dance was great! You are awesome!

Congratulations to the new Lambda Sigma Pi Pledge class officers. President: Susan Anyan, Vice President: Noelle Puckett, Treasurer: Brooke Harris, Secretary: Anissa Tapp

Stacy D,
Good luck this semester.

Anissa,
Can you find the glow in the dark "thing". (Look in the plant.) Think you can get a free Knight?

Julie,
Who beat you home last weekend?

Anna,
Hope you have a good semester!

Sherry,
We have to party more together.

Julie, Beth, and Bind,
You guys are great roommates.

Julie,
You are an awesome KD pledge.

Kerry,
Just because I read the Miner doesn't mean I'm checking.

Wanted: 7 dilithium crystals for SAE engine project. Will pay premium price. Please contact Dr. Liou, 121 M.E. Annex.

We are Back!
PTC


Hey Chi-O's,
Where's our banner?

Hey Barb,
Rent check due.

PTC,
You guys are the best.

Tim,
You are done. Leave!

The Beast Room by Jones and Griff



J. JONES 09-16

VAMPIRE COMMERCIALS

Pat O,
Just checking to see you are checking.

Karen's Quotes:
All's he could do is go up and down.
Are you sure six won't be too many?

WB,
Everytime the music starts get ready for another 12 in a row.

Kristie,
Never too much!

Happy 21st Birthday, Jeff Tebbe.
(This is not from Pam.)

P.S. this is all you are getting.

KA,
Could you turn the music up. We were trying to watch t.v. out here!

Karen,
Thanks for every little thing you did over September fest weekend!

Angie,
We'll put in one of those automatic chairs to get you up the stairs. (NO running shoes necessary).

Happy Birthday Jamie White Boy,
Wish you were here.

Princess,
You are the best big sis! Thanks for everything!

Love,
YLS

Dice Man,
Another Denny's semester?

Come out and see your rugby team win! Smiirt tournament.

Ellen,
You are such a silly clown. Hang in there! Soon they will be glad to see you gone too.

Laura,
Take it easy!

Jill & Heather,
Should we stay at three or go for one more?

Mindy,
Maybe try a Twix and get rid of the M & M's.

Beth Ann,
Thanks for being such a great friend! I owe you one!

Love in AOT,
Andy

Giggles,
I'm so glad you are my sister, Thanks for being there for me. You just don't know how much it meant.

Love in AOT,
Andy

Steven,
I promise you—I am NOT! I love you!!

Heather,
Only 50 weeks until half of the Flintstones come.

Polly,
Your are such an awesome Kappa Delta Pledge.

Love in KD,
Your Diamond Sis

KA,
September 28, Rugby Smiirt Tournament

Chris G,
Where are you? And the other two?

Hoover,
I appreciate the compliment, but could you turn down the suction a little?

Handy,
You're a Comp Sci nerd! Get out of that apartment a slam a beer!

Ed,
Oh, no!!!! Aerothermochem!!!! Better start studying right now!! (Wait, isn't that class next semester??)

Solutions

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

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Dec. 15, 1991. Purchase by Oct. 31, 1991.



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A Division of Student Affairs
341-4211 204 Norwood Hall



STOP BY COUNSELING AND CAREER DEVELOPMENT FORMORE INFO. AND A
COMPLETE LISTING OF PROGRAMS BEING OFFERED THIS SEMESTER!

Test Anxiety

Monday, September 23 - 3:30 - 4:30 pm; 208 Norwood Hall
Facilitator: Dr. Gene Van Matre

Resume Writing

Wednesday, September 25 - 3:30 - 4:30 pm; 208 Norwood Hall
Facilitator: Dr. Sam Burton

Assertiveness Training

Beginning Thursday, Oct. 24 - 3:00 - 4:30 pm; Location to be announced
Facilitators: Dr. Carl Burns & Ms. Sandra Terry
Enrollment is limited! Preregister anytime between Aug. 26 & Oct. 17
Participants must attend all five sessions.

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Tues. Men's Night-Fri. T-Shirt Night

Wed. Pitcher Night-Sat. Ladies Night

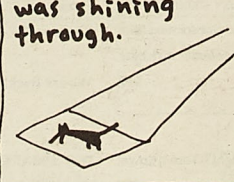
HOURS 10:00 AM TO 1:00 AM
Daily Food Specials
364-7464 Must Be 21

Jim's Journal

Today I slept in
really late because
I didn't feel like
getting up.



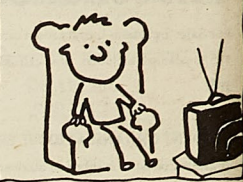
Mr. Peterson was
sleeping on the
floor in a spot
where the sun
was shining
through.



I wanted to eat
something but I
didn't have enough
energy to make
anything.



Then I watched
TV.



Jim's Journal

Today Tony was
playing his new
tape when it
started to slow
down.



It slowed down
more, then sud-
denly stopped.



He took it out
of the tape player
and it was com-
pletely unraveled
and crumpled.



"Oh, dammit!" he
said. "Dammit,
dammit, dammit!"



Jim's Journal

Today Tony was
playing another
tape and it sud-
denly slowed to
a stop.



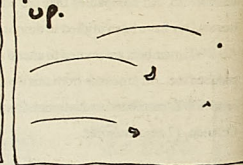
"I've had it," he
said. "Do you know
how many tapes
I've lost to this
thing?"



He grabbed the
machine and
smashed it
against the wall,
the table, and the
floor.



Little knobs and
stuff shot across
the room and
the machine got
pretty badly bent
up.



Jim's Journal

"Everybody in the
whole world has
a CD-player except
me," Tony said
today.



He listed some
of the people he
knew who had
CD-players



He said he wanted
to buy one this
Friday, at a place
that's having a
sale.

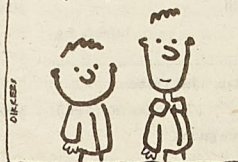


"What the hell
is this cat's
problem?" he said.



Jim's Journal

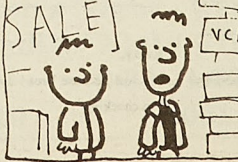
I went with Tony
today to a place
where he was
going to buy a
CD-player.



As we were walking
into the store,
he said, "The sales-
people in these
places can be
real animals."



He said they prac-
tically assault you
and sell you things
you don't want.



We stood near
the CD-players and
waited for a sales
person, but nobody
came for a long
time.



PLEBES

by L.T. Horton

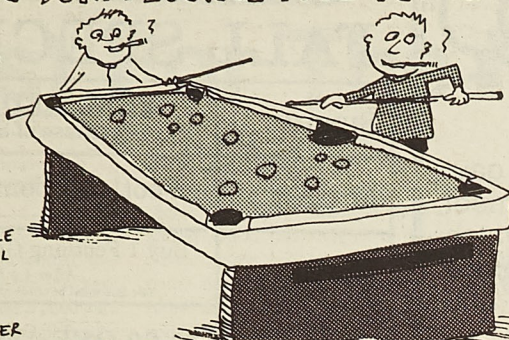
LIVE THE ROMANTIC LIFE OF
THE DORM LOUNGE POOL PLAYER

IMAGINE YOU'RE THE JAMES BOND OF THE WORLD OF POOL!

SHOOT POOL IN A SMOKE-FILLED HOLLOW WHERE SOMEBODY ELSE ALWAYS KNOWS MORE ABOUT OFFICIAL POOL RULES THAN YOU

MAKE LIFE-LONG FRIENDS WITH OTHER MEDIOCRE POOL PLAYERS WHOSE NAMES YOU'LL NEVER KNOW.

PLAY FOR MONEY AND RISK RUNNING OUT OF QUARTERS YOU'D SAVED FOR THE LAUNDRY



TRY YOUR DARNEDEST TO PUT THE BALLS IN THEIR HOLES, BUT WHEN YOU MISS BY SEVERAL INCHES, CURSE DISBELIEVINGLY

SIZING UP YOUR OPPONENT

SIGN	MESSAGE
HE RUBS CHALK ON HIS CUE	HE'S PROBABLY PLAYED BEFORE AND WILL WIN. DON'T PLAY FOR MONEY

INTIMIDATE AND WEAKEN YOUR OPPONENT WHILE HE SHOOT'S BY STRIKING ONE OF THESE POOL-PLAYER STANCES THAT WILL MAKE YOU LOOK COOL.



HE ASKS HOW THE BALLS SHOULD BE ORGANIZED IN THE TRIANGLE PACK

HE BRINGS HIS OWN CUE GO HOME

PARENTS—CLIP OUT THIS CARTOON AND SAVE UP TO \$30,000!
GO TO COLLEGE FOR FREE!

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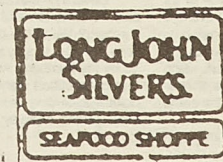
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Watching the numbers, not the news

In 1950, when Harry Truman was President and the Whiz Kids of Philadelphia won the Phillies' first pennant in 35 years, a gallon of gasoline cost a paltry 27 cents, refined from a gallon of crude oil that cost only six cents.

If we told you that for the year 1990—all war-related increases included—U.S. gasoline cost less than it did 40 years ago, would you believe it? Or can we already hear a thunder of harrumphs and rejoinders resounding from the breakfast tables and commuter trains of America?

Believe it or not, that's what the numbers say. When you factor in inflation and calculate the prices in 1990 dollars, an average gallon of gasoline last year cost a full 25 cents less than the one from 1950. The 1950 gasoline price would convert to \$1.47; compare that to last year's average price of \$1.22.

This is all the more surprising, since the price of the raw material—crude oil—rose. Using the same formula, that 1950 crude would have been priced at an average of 33 cents a gallon last year; the actual average crude price in 1990 was 53 cents a gallon.

What's even more surprising about the declining gasoline price is that, again, using the same mathematics, federal taxes on gasoline increased about fivefold over the same period.

How is all this possible? Particularly if

you remember all the political posturing over gasoline prices last fall. The answer is in the economics of the industry, but perhaps the real question ought to be why posturing occurs at all. Because, in real terms, Americans were and are still getting some of the least expensive gasoline in the industrialized world.

The fact is, refining, transportation and marketing have become remarkably efficient. The industry can get a lot more gasoline out of a barrel of oil than we used to, and average service station volumes have grown substantially. Plus, believe it or not, the U.S. gasoline business is terribly competitive. If anybody tries to overprice his product, 15 other competitors will cut him off at the pump.

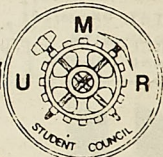
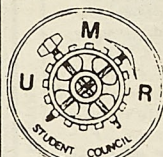
But gasoline prices are curious things. They're in their own special category, able by the movement of a few cents to trigger price-fixing investigations, Congressional hearings and the evening news zoom lens.

Could it be that all the ruckus just comes down to emotion and perceptions, and not numbers? We in the oil business have emotions, too. But to stay in business, we have to go by the numbers. And the numbers tell us that competition works, and that dollar for dollar—excluding taxes—the motorist has been getting a pretty good deal, for a very long time.

Mobil

STUDENT COUNCIL

Dates to remember (Fall 1991)



Month	Day	Time	Event
September	17	6:30pm	Stuco meeting(204 McNutt)
September	17-18	11am-5pm	Blood Drive (Centennial Hall)
September	20	4:30pm	Campus Appropriations Preliminary budgets due
September	27	4:30pm	Campus Appropriations Final budgets due
October	1	6:30pm	Stuco meeting(204 McNutt)
October	11	-----	Student activity fee referendums distributed
October	15	6:30pm	Non-varsity sport appropriations Stuco Free Day!
October	29	6:30pm	Stuco meeting(204 McNutt)
November	12	6:30pm	Student activity fee referendums due campus appropriations Stuco Meeting(204 McNutt)
November	20-21	11am-5pm	Stuco meeting (place tba) OPEN FORUM-student activity fees Blood Drive (Centennial Hall)
December	3	6:30pm	Stuco meeting(204 McNutt)

Sports

Quest For The Heisman Trophy !!!

By A.T. Goon
STAFF WRITER

Now that the college football season is finally underway, we now have time to step back and take a good hard look at this year's Heisman Trophy competitors. 1991 is a strange year for this in that there is no clear cut favorite. Last year's winner BYU quarterback Ty Detmer, was somewhat of a preseason choice, but a first round poor outing by Florida State has moved him out of the Heisman spotlight.

When a team is one of the top ranked teams in the nation, sometimes some of its players get Heisman votes for that fact as well. Take Florida State's Amp Lee, for instance. Lee is very good running back. Good, not great, not overly exceptional, but good. Trouble is this trophy is not meant to go to good players.

The Heisman voters like to give this trophy to quarterbacks, it seems, and this year they have their usual choice of a few. Georgia Tech's Shawn Jones, just another of your classic option college quarterbacks, right? Maybe not. Many scouts say Jones' arm is much stronger than his option armed counterparts and maybe even strong enough to play in the NFL. Another option quarterback candidate is Darian Hagan, of the defending co-national champion Colorado Buffaloes. Hagan, if Colorado plays well this year, will give this trophy a serious run. But as I mentioned he is a typical option quarterback. Look for him to be selling real estate in about 5 years.

As we continue with our quarterback candidates, let us now move to David Klingler of Houston. Klingler, last season as a junior, broke over twenty NCAA Division I passing records. Now back for his senior year, he looked even more impressive after his first victory this season. A 73-3 vic-



tory in which Klingler threw 9 touchdown passes, 6 in the second quarter. Now the downside, this victory came against Louisiana Tech (who?!?!?).

The following Thursday Miami had their fun beating up on a lesser opponent when they beat Houston 40-10. This week, however, Klingler could step back into the spotlight as Houston plays perennial powerhouse Northeastern South Carolina girls school for the blind. Perhaps the Miami game, which hurt Klingler badly, was the best thing that could have happened to Miami quarterback Gino Torretta. He has and will continue to quietly post some very impressive numbers, but like his team, no one will take notice of him or the 'Canes until late in the season.

It's hard to be the best, unless you play against the best, and that's the only thing holding back Russell White. This all-purpose back will put up some incredible numbers for California, but it will be hard to get noticed

unless by some strange quirk of fate California can win the Pac-10, and as good as Washington looks this year, that doesn't seem very possible. Speaking of Washington, a very strong candidate for N. 1 look for running back Greg Lewis to give the trophy a good run. He's a very solid performer for a very solid football team, and some years that's enough to win.

As I write this article, I can't seem to quit thinking about Michigan's 24-14 victory over Notre Dame this Saturday. I also can't seem to forget Desmond "Magic" Howard's incredible performance. It seems that Howard can't help but find the endzone when he gets the ball. And this performance against none other than Notre Dame on none other than the national television did none other than put Howard's name at the top of the Heisman hopefuls list.

Squiggy's Ten Again

By Squiggy
Staff Writer

This was by far a week of excitement in the College Football Scene. We will start with who did what in my top Ten: No. 1 Michigan easily defeated No. 4 Notre Dame when Desmond Howard stepped in as a Heisman Candidate of enormous potential with 6 TD's in two games. No. 2 Florida State whipped Western Michigan 58-0. No. 3 Miami destroyed No. 5 Houston 40-10. Penn State the No. 6 Pick lost to USC 21-10 for the upset of the week. No. 7 Washington was idle but they face Nebraska next week. No. 8 Colorado lost to Baylor 16-14. No. 9 Oklahoma trounced North Texas 40-2. No. 10 Florida won handily against Alabama 35-0. Four of my top ten lost this weekend showing a new twist to the top ten:

This Weeks Squiggy's Ten

1. Michigan
2. Florida State
3. Miami
4. Washington
5. Florida
6. Oklahoma
7. Clemson
8. Tennessee
9. Ohio State
10. Notre Dame

Most National Publication have picked Florida State No. 1 but Michigan got the Irish Monkey off their back. When FSU and Michigan meet in two weeks it very well could mean the National title. Miami won't get

their crack at No. 1 until Michigan falters and they beat FSU. I must appologize to some readers for not recognizing Houston for what they are, a bunch of bullies who beat up on lesser apponents and run up the score. I also appologize for picking some poor teams high and not looking at Washington, Florida, and Tennessee for the fine teams they are. In closing I would like to give a honorable mention to Missouri for defeating Illinois 23-19. Mario Johnson chased Illini QB Jason Verducco all afternoon. Way to go Tigers.



Blues Winning the Stanley Cup?

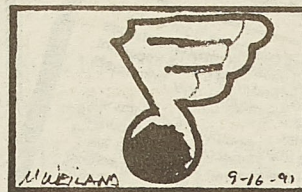
By Chris Merris
STAFF WRITER

For all you sports fans who like baseball, enjoy football, but love hockey—you might enjoy this. Especially if your team is the St. Louis Blues. Well a lot has happened, hasn't it? Looks like Blues captain, Scott Stevens is now a devil, a New Jersey Devil. I would like to point out that he plans on contesting the decision made by the NHL arbitrator and he may help incite a strike by the NHL players union. I love it because the Blues lost their best defenseman in compensation for Brenden Shanahan and may get him back if the precedent hold true. If Stevens takes the case to court he stands a good chance of winning and remaining with the Blues. We will have to wait and see, however, as he plans to wait and see if the NHL players strike.

Now let's talk about the season outlook. With training camp in two weeks and a 3-2 win over Detroit in exhibition play complete, the 1991-92 Blues look fired-up. The Canada Cup, however has kept the likes of Brett Hull, Adam Oates, and Brenden Shanahan from reporting just yet you might hear more names like Rod Brindamor, Jason Ruff, Jason Marshall, and Nelson Emerson mentioned more often. All of those players could play key roles in the quest for the cup. Brindamor should blossom into a hard-checking left-winger with good touch and a lot of goals. Ruff could see time as he matures into a more knowl-

edge winger. Emerson who has already shown his ability as a center must continue to improve and gain consistency. Jason Marshall is quite the center of attention these days. He is the heir apparent to Scott Stevens if indeed he is gone. Marshall is a 6 foot 2 inch, 205 lb defenseman who will pair nicely with Jeff Brown.

The Blues made some acquisitions that may bolster an already powerful offense. First Christen a winger acquired from the Boston Bruins as a free agent. This a hard-nosed winger who averages 50 plus goals a season. He is primarily a left winger. Also, we have a 22 year old



Shanahan who could make waves playing up front with Hull and Oates. These two make the Blues a much improved team. Gone, however is young Dave Thonlinson (Boston), along with penalty prone Glen Featherstone and young Tom Tilley (Italy).

Let's look at how the lines may stack up for the Blues: 1. LW: Shanahan C: Oates, RW: Hull 2. LW: Brindamor, Christen, or Lowry, C: Quinn, Wilson, RW: Christen, Tuttle, or Sutter. The Checking line is easy LW: Lowry, C: Basson and RW: Sutter. Those three will rotate into the No. 2 line or work with some others on a mean No. 3 line. Poor Gino Cavallini

is on the bubble. Power play will feature LW: Shanahan, Brindamor, and Christen C: Quinn a power play specialist. RW: Hull and Oates and Brown on the points.

The defensive line could really get messed up if Caron doesn't acquire a 6th defense now. Right now the No. 1 defensive unit is P. Cavallini and Garth Butcher (???)

The No. 2 defensive unit is J. Brown and J. Marshall. When Tilley departed it left a hole for Featherstone. Veteran Mario Marios will fill in and either another rookie or a trade will bring us up to date with defensemen. Look for Gino Cavallini to be traded with possibly Dan Quinn to bring a quality defenseman.

The goalie is a situation I think will be very close. Riendeau was excellent last year, but many contend it was just a career year. Joseph Almost was playing for New Jersey which could fuel his fire to stay with the Blues. Let's face it, Jablonski is a good back up and Herbert is two years away so the competition is Riendeau and Joseph. Going in Riendeau is No. 1, but in Joseph's little playing time he should have the No. 1 job locked up by Christmas, leaving Jablonski as a backup and Riendeau getting traded. That is how I see it, but either way by Christmas Joseph or Riendeau are gone for defensive help.

Well we will have to sit back and see, but the Blues should be one of the teams to watch this year.

More sports
page 12

MEN'S AND WOMENS INTRAMURALS

By Craig Rackers
INTRAMURALS

Congratulations to the top 5 teams in the Intramural Golf Tournament held September 7-8 at the UMR golf course. Each team played 72 holes of golf and par was 288.

- First ASCE 276
- Second Phi Kappa Theta 287
- Third Sigma Phi Epsilon 288
- Fourth Kappa Alpha 297
- Fifth Pi Kappa Alpha 301

At our last Intramural meeting we nominated and elected an Athlete and Team of the week. Athlete and Team of the week are for a single player and team that has demonstrated exceptional athletic ability over the last week. The recipients of this award are given McDonald's gift certificates. Congratulations to this week's winners:

ners:

Athlete of the Week: Kevin Low
Delta Sigma Phi

In his first two football games as quarterback he completed 15 of 19 passes, eight of them being for touchdowns.

Team of the Week: ASCE Golf Team: ASCE Golf team finished 12 strokes under par and won the Intramural golf tournament.

The Intramural Managers next meeting will be held Wednesday, September 25th in the classroom at the Multipurpose Building at 5:30 p.m. Entries for racquetball, swimming, and soccer will be due. Racquetball will be played the weekend of September 27-29. Swimming will be held October 1st and 3rd, and soccer begins on October 7th. If you have any questions contact Rob Holder at 341-4106. Anyone interested in finding out

what's going on in Intramurals can look at our bulletin board on the outside of of University Center West, near the Hockey Puck.



By Laura Vrabel
Intramurals

Women's Intramurals is taking on a new look this year. The new officers and intramural Director Rob Holder have been working together to make women's intramurals better than ever.

The officers for the 1991-92 school year are:

President: Robin Rinker
Vice President: Deanna Venker
Treasurer/Cores. Sec Laura Vrabel

In the past, soccer has only been offered for men's intramurals, but this year women will be participating, too. Intramural football started on September 3rd, with Chi Omega, Zeta Tau Alpha, and M-Club still undefeated. The schedule is very busy with each organization playing seven games.

Tennis is scheduled for the weekend of September 13-15.

The next intramural managers meeting is September 25th at 6:15, and racquetball, swimming, and soccer entries will be due at that time.

Information about intramurals can be obtained from the Intramural Bulletin board at the Multipurpose Building, our new bulletin board in the University Center or by calling Rob Holder at 341-4106. We hope to see everyone out at the games and supporting their favorite teams!

By Jeff Lacavich
SPORTS EDITOR

For anyone interested in Varsity Track and Field, for both men and women there will be meeting on September 23rd in the Multipurpose Building Classroom at 6:30 p.m.

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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

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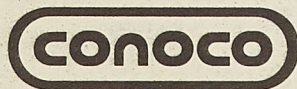
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Week of October 7-11, 1991

SIGNUP HOURS: 7:45 to 11:15 a.m.
1:00 to 4:15 p.m.

PRESCREENED INTERVIEWS

SHELL OIL COMPANY
P.O. Box 2463
Houston, TX 77001
attn: Mr. Ned Moore

NUMBER OF SCHEDULES: (listed as follows)
MAJORS: BS/MS Mechanical, Mining or Chemical Engineering
POSITIONS(s): Mining Engineering: Mining Operations: Engineering design, construction, technical and economic evaluation of mines, mining facilities and equipment.
BS/MS Mechanical Engineering: Production Engineering, Process Engineering, or General Engineering;
BS/MS Chemical Engineering: Production/Reservoir Engineering (Oil & Gas Production); Process Engineering (Refineries/Chemical Plants); Computer Process Control Engineering (Refineries/Chemical Plants) & Computer Applications; Chemical Sales Representative (BS/ChE, ME, or Chemistry) -- Additional details will be available at time of interview signups.

LOCATION: Various throughout the U.S.
INTERVIEWING: December 1991 or May 1992 grads
MINIMUM G.P.A.: 2.8
CITIZENSHIP: Must be legally authorized to work in the U.S.; no student visas

DEADLINE FOR TURNING IN RESUMES: September 18, 1991
INTERVIEW DATES: October 7 & 8, 1991

STUDENTS SHOULD BRING COMPLETED APPLICATION AND COPY OF TRANSCRIPT(S) TO THE INTERVIEW.

WESTERN GEOPHYSICAL
P.O. Box 2469
Houston, TX 77252
attn: Ms. Debra Dishberger

NUMBER OF SCHEDULES: 1
MAJORS: BS/MS Geophysics, Physics, Applied Math or Computer Science
POSITION: Seismic Software Programmer
LOCATION: Houston, TX
INTERVIEWING: December 1991 or May 1992 grads
MINIMUM G.P.A.: 3.0

DEADLINE FOR TURNING IN RESUMES: September 18, 1991
INTERVIEW DATES: October 7, 1991

MISSOURI HIGHWAY & TRANSPORTATION
P.O. Box 270
Jefferson City, MO 65101
attn: Mr. Mel Gardner

NUMBER OF SCHEDULE: 2
MAJORS: BS/MS Civil Engineering
POSITION(S): Design, Construction, Materials & Research, Traffic Engineering, Planning Engineering
LOCATION: Statewide
INTERVIEWING: December 1991 grads
CITIZENSHIP: Permanent Resident

DEADLINE FOR TURNING IN RESUMES: September 18, 1991
INTERVIEW DATES: October 7 & 8, 1991

NOTICE TO THE STUDENTS: Results from prescreening will be posted in Rooms 301 and 304 Norwood Hall. The Placement Office cannot predict when lists will be posted. Please check listings daily.

BOEING MILITARY AIRPLANE
P.O. Box 7730 MS K03-14
Wichita, KS 67277-7730
attn: Mr. Jeff Glimpse

NUMBER OF SCHEDULES: 5
MAJORS: BS/Aerospace, Civil, Mechanical Engineering or Engineering Management, (Production emphasis)
POSITION: Structural, Tooling or Manufacturing Engineering
LOCATION: Wichita, KS
INTERVIEWING: December 1991 or May 1992 grads
CITIZENSHIP: U.S. Citizen or Permanent Resident status

DEADLINE FOR TURNING IN RESUMES: September 18, 1991
INTERVIEW DATE: October 7, 1991

DOW CHEMICAL USA
P.O. Box 150
Plaquemine, LA 70765-0150
attn: Mr. Joe Bristol

NUMBER OF SCHEDULES: 2
MAJORS: BS/MS Chemical, Mechanical, Electrical, Metallurgical Engineering or BS/MS/PhD in Chemistry
POSITION: Entry-level positions in manufacturing, process engineering, technical sales & services, & research & development
LOCATION: Louisiana, Texas, Michigan, Ohio, California
INTERVIEWING: December 1991 or May 1992 grads
CITIZENSHIP: U.S. Citizens or aliens who have a legal right to work and remain permanently in the U.S. or aliens who qualify as "intending citizens" under the Immigration Reform & Control Act of 1986.

DEADLINE FOR TURNING IN RESUMES: September 18, 1991
INTERVIEW DATE: October 7, 1991

PEPSI CO.
647 Tower Grove
St. Louis, MO 63110
attn: Mr. Darren Page

NUMBER OF SCHEDULES: 2
MAJORS: BS/Chemical, Mechanical, Electrical, Civil Engineering or Engineering Management
POSITION: Operations Management Trainee
LOCATION: St. Louis & Midwest
INTERVIEWING: December 1991 or May 1992 grads
MINIMUM G.P.A.: 2.5

DEADLINE FOR TURNING IN RESUMES: September 18, 1991
INTERVIEW DATE: October 7, 1991

SOUTHWESTERN BELL CORPORATION
One Bell Center, Suite 3600
St. Louis, MO 63101
attn: Ms. Lynn Wogtech

NUMBER OF SCHEDULES: 1
MAJORS: BS/Computer Science, Engineering Management, Electrical or Mechanical Engineering
POSITION: Supervisory Engineering
LOCATION: Missouri, Texas, Oklahoma, Arkansas and Kansas
INTERVIEWING: December 1991 or May 1992 grads
CITIZENSHIP: Must be permanently authorized to work in the U.S.

DEADLINE FOR TURNING IN RESUMES: September 18, 1991
INTERVIEW DATE: October 7, 1991

HILLS PET PRODUCTS
P.O. Box 148
Topeka, KS 66601
attn: Mr. John Heitschusen

NUMBER OF SCHEDULES: 1
MAJORS: BS/Mechanical, Electrical Chemical Engineering, or Engineering Management
POSITION: Description not available
MINIMUM G.P.A.: 2.75
CITIZENSHIP: U.S. Citizenship required

DEADLINE FOR TURNING IN RESUMES: September 18, 1991
INTERVIEW DATE: October 7, 1991

CHEVRON CORPORATION
P.O. Box 7137
San Francisco, CA 94120-7137
attn: Ms. Josephine Ankers

NUMBER OF SCHEDULES: 2 ea day, October 8-9
MAJORS: BS/MS Civil, Electrical, Mechanical, or Chemical Engineering
POSITION: Professional Engineers -

ChE: Refinery & chemical plant design and process engineering, technical sales, etc.;
EE: Power & telecommunications systems design, project & plant engineering, instrumentation & controls; ME: Refining, producing (including drilling, facilities and plant design & construction), etc.; CE: general engineering work, project engineering, oil field engineering, etc.
LOCATION: Nationwide
INTERVIEWING: December 1991, May, July 1992 grads
MINIMUM G.P.A.: 3.0
CITIZENSHIP: U.S. Citizenship required

DEADLINE FOR TURNING IN RESUMES: September 18, 1991
INTERVIEW DATES: October 8, 9, 1991

STUDENTS INTERVIEWING WITH CHEVRON SHOULD BRING A COPY OF THEIR TRANSCRIPT TO THE INTERVIEW.

ARKANSAS BEST CORPORATION
P.O. Box 305
Ft. Smith, AR 72902
attn: Mr. Chris Burton

NUMBER OF SCHEDULES: 1
MAJORS: BS/MS Computer Science
POSITION: System Analyst/Programmer
LOCATION: Ft. Smith, AR
INTERVIEWING: December 1991 or May 1992 grads
MINIMUM G.P.A.: 3.3
CITIZENSHIP: U.S. employment status

DEADLINE FOR TURNING IN RESUMES: September 18, 1991
INTERVIEW DATE: October 8, 1991

INTERNATIONAL PAPER
P.O. Box 7069
Pine Bluff, AR 71611
attn: Ms. Jill Mitchell

NUMBER OF SCHEDULES: 2
MAJORS: BS/MS Chemical, Mechanical or Electrical Engineers
POSITION: Project Engineers
LOCATION: Recruiting throughout International Paper's primary manufacturing facilities, corporate engineering & technology
INTERVIEWING: December 1991 or May 1992 grads
CITIZENSHIP: U.S. Citizenship or authorization to work full-time in the U.S.
MINIMUM G.P.A.: 3.0

DEADLINE FOR TURNING IN RESUMES: September 18, 1991
INTERVIEW DATE: October 8, 1991

OKLAHOMA GAS & ELECTRIC
321 N. Harvey
P.O. Box 321
Oklahoma City, OK 73101
attn: Ms. Millie Tibbitts

NUMBER OF SCHEDULES: 1
MAJORS: BS Electrical or Mechanical Engineering
POSITION: Power Plant Engineer, T&D Engineer, & Power Plant Engineer(Marketing)
LOCATION: various Oklahoma
INTERVIEWING: December 1991 grads
MINIMUM G.P.A.: not applicable
CITIZENSHIP: Any authorized to work in U.S.

DEADLINE FOR TURNING IN RESUMES: September 18, 1991
INTERVIEW DATE: October 8, 1991

MARATHON OIL COMPANY-ROBINSON REFINERY
P.O. Box 656
Robinson, IL 62454
attn: Ms. Kris Krendl

NUMBER OF SCHEDULES: 1-ME; 1-ChE
MAJORS: BS in Mechanical or Chemical Engineering
POSITION: Associate Refining Engineers at Marathon's Robinson Refinery in either Technical Services or Engineering Dept.
LOCATION: Robinson, IL
INTERVIEWING: December 1991 or May, July 1992 grads
MINIMUM G.P.A.: 2.5
CITIZENSHIP: The company only employs individuals with current authorization to work full-time in the U.S.

DEADLINE FOR TURNING IN RESUMES: September 18, 1991
INTERVIEW DATES: October 8, 9, 1991

MARATHON PIPELINE COMPANY
P.O. Box F
Martinsville, IL 62442
attn: Ms. Susan Laurenzo

NUMBER OF SCHEDULES: 2
MAJORS: BS in Mechanical, Civil or Electrical Engineering
POSITION: Information is not available
INTERVIEWING: May 1992 grads
MINIMUM G.P.A.: 3.0
CITIZENSHIP: U.S. Citizen or Permanent Resident Visa

DEADLINE FOR TURNING IN RESUMES: September 18, 1991
INTERVIEW DATE: October 8, 1991

ALCOA-DAVENPORT
P.O. Box 3567
Davenport, IA 52808
attn: Ms. Judy Shook

NUMBER OF SCHEDULES: 1-EE; 1-ME
MAJORS: BS/MS in Electrical or Mechanical Engineering
POSITION: Entry-level Mechanical positions--complete details will be posted at time of interview signups.
LOCATION: Davenport, IA/Nationwide
INTERVIEWING: December 1991 or May 1992 grads
MINIMUM G.P.A.: N/A
CITIZENSHIP: U.S. Citizen or Permanent Resident Visa

DEADLINE FOR TURNING IN RESUMES: September 18, 1991
INTERVIEW DATE: October 8, 1991

ARKANSAS EASTMAN COMPANY
P.O. Box 2357
Batesville, AR 72503
attn: Mr. Gary McDonald

NUMBER OF SCHEDULES: 2
MAJORS: BS/MS in Chemical Engineers
POSITION: Chemical Engineer or
Project/Process Engineer
LOCATION: Batesville, AR
INTERVIEWING: recent grads, December 1991,
May or July 1992 grads
MINIMUM G.P.A.: 3.0
CITIZENSHIP:

DEADLINE FOR TURNING IN RESUMES: September 18, 1991
INTERVIEW DATE: October 9, 1991

THE PROCTER & GAMBLE COMPANY
2 Procter & Gamble Plaza
Cincinnati, OH 45202-3314
attn: Mr. K. Welker

NUMBER OF SCHEDULES: 1
MAJORS: BS/MS Chemical, Mechanical,
Electrical, Civil or
Engineering Management
POSITION: Manufacturing Division-
Product Supply System
LOCATION: Cape Girardeau, MO
INTERVIEWING: December 1991 or May 1992 grads
CITIZENSHIP: Must be a U.S. Citizen, a
Permanent Resident, Refugee, or Asylee Immigrant;
or a Temporary Resident admitted under the
Amnesty Program of the 1986 Immigration Act.

DEADLINE FOR TURNING IN RESUMES: September 18, 1991
INTERVIEW DATES: October 9, 10, 1991

KOCH INDUSTRIES, INC.
P.O. Box 8127
Wichita, KS 67208
attn: Ms. Trish Chesser

NUMBER OF SCHEDULES: 2
MAJORS: BS/MS Chemical or Mechanical
Engineering
POSITION: Variety of engineering posi-
tions -- details will be posted with interview
signups.
LOCATION: Various
INTERVIEWING: December 1991 or May, July
1992 grads
MINIMUM G.P.A.: Top 25% class standing
(Bring copy of your transcript to the interview.)
CITIZENSHIP: Permanent work visa required,
student training visas are not acceptable.

DEADLINE FOR TURNING IN RESUMES: September 18, 1991
INTERVIEW DATE: October 10, 1991

U.S. DEPT. OF DEFENSE-NASA
Kennedy Space Center
PM-STF
Kennedy Space Ctr, FL 32899
attn: Mr. Richard Uhrmann

NUMBER OF SCHEDULES: 1
MAJORS: BS/Aerospace, Electrical
or Mechanical Engineering
POSITION: Aerospace Technologists
(Complete details will be posted with interview
signups.)
LOCATION: John F. Kennedy Space Center
INTERVIEWING: May, July 1992 grads
MINIMUM G.P.A.: 2.9
CITIZENSHIP: U.S. Citizenship required
(Security clearance required)

DEADLINE FOR TURNING IN RESUMES: September 18, 1991
INTERVIEW DATE: October 10, 1991

UNITED MCGILL
One Mission Park
Groveport, OH 43125
attn: Ms. Liz Arnold

NUMBER OF SCHEDULES: 1
MAJORS: BS in Mechanical Engineering
POSITION: Sales Engineer
LOCATION: Midwest & Nationwide
INTERVIEWING: December 1991 or May 1992 grads
MINIMUM G.P.A.: 2.5
CITIZENSHIP: Permanent Resident

DEADLINE FOR TURNING IN RESUMES: September 18, 1991
INTERVIEW DATE: October 10, 1991

CANCELLATIONS: North Supply Co. (October 10, 1991)
Halliburton (October 10, 1991)

CONSOLIDATION COAL COMPANY
Consol Plaza
Pittsburgh, PA 15241
attn: Mr. Ivan Rhan

NUMBER OF SCHEDULES: 1
MAJORS: BS/MS in Mining Engineering
POSITION: Project Engineer
LOCATION: Illinois, PA, W. VA, Kentucky
INTERVIEWING: December 1991 or May, July 1992
grads
CITIZENSHIP: U.S. Citizenship required

DEADLINE FOR TURNING IN RESUMES: September 18, 1991
INTERVIEW DATE: October 10, 1991

ETHYL CORPORATION
P.O. Box 729
Magnolia, AR 71753
attn: Mr. Darrell Bias

NUMBER OF SCHEDULES: 1
MAJORS: BS/MS/PhD in Chemical Engi-
neering
POSITION(s): Entry-level positions in
Process Design, Process Development and Technical
Services
LOCATION: Various
INTERVIEWING: December 1991 or May, July 1992
grads
CITIZENSHIP: U.S. Citizen or Permanent Visa

DEADLINE FOR TURNING IN RESUMES: September 18, 1991
INTERVIEW DATE: October 10, 1991

KIMBERLY CLARK CORPORATION
401 N. Lake St.
Neenah, WI 54956
attn: Ms. Kay Keberlein

NUMBER OF SCHEDULES: 1
MAJORS: BS/Mechanical, Electrical &
Chemical Engineering
POSITION: Mechanical, Electrical &
Chemical Engineers
(Details will be posted at time of interview signups.)
LOCATION: Conway, AR
INTERVIEWING: December 1991 or May 1992 grads
MINIMUM G.P.A.: 2.8
CITIZENSHIP: Applicants must be presently
authorized to work in the U.S. on a regular, full-
time basis.

DEADLINE FOR TURNING IN RESUMES: September 18, 1991
INTERVIEW DATE: October 10, 1991

NON-PRESCREENED INTERVIEWS

MOTOROLA, INC. (Radio Products Group)
1303 E. Algonquin Rd./MD 1L01-5th Floor
Schaumburg, IL 60196
attn: Ms. Pam Back

NUMBER OF SCHEDULES: 1
MAJORS: BS/MS Electrical Engineering
POSITION: Test Engineering, Software
Design Engineering, Electrical Design Engineering,
and Manufacturing Engineering
INTERVIEWING: December 1991 grads
MINIMUM G.P.A.: 3.0
PLEASE BRING A COPY OF YOUR TRANSCRIPT TO INTERVIEW.
CITIZENSHIP: Permanent Resident Visa

INTERVIEW SIGNUP DATE: Friday, Sept. 20, 1991
INTERVIEW DATE: October 9, 1991

STATE OF CALIFORNIA TRANSPORTATION
Room 1220
1120 N. Street
Sacramento, CA 95814
attn: Ms. Dolores L. Mejia

NUMBER OF SCHEDULES: 1
MAJORS: BS/MS/PhD in Civil Engineering
POSITION: Civil Engineer
LOCATION: Statewide in California
INTERVIEWING: recent grads, December 1991
or May, July 1992 grads
CITIZENSHIP: U.S. Citizenship required

INTERVIEW SIGNUP DATE: September 20, 1991
INTERVIEW DATE: October 10, 1991

DEERE & COMPANY
John Deere Road
Moline, IL 61265
attn: Ms. Sandy Bishop

NUMBER OF SCHEDULES: 2
MAJORS: BS/MS Chemical, Mechanical,
Metallurgical or Electrical Engineering, &
Engineering Management
POSITION: Mechanical, Electrical,
Chemical, or Metallurgical Engineers -- more
details will be posted at time of interview
signups.
LOCATION: IA, IL, WI
INTERVIEWING: December 1991 or May 1992 grads
MINIMUM G.P.A.: 3.0
CITIZENSHIP: U.S. Citizen or Permanent
Resident

INTERVIEW SIGNUP DATE: September 20, 1991
INTERVIEW DATE: October 10, 1991

BASF CORPORATION
Chemicals Division
100 Cherry Hill Road
Parsippany, NJ 07054
attn: Mr. Jerome Wichinsky

NUMBER OF SCHEDULES: 1
MAJORS: BS/Chemical Engineering
POSITION: Professional Development
Program
LOCATION: Various
INTERVIEWING: May 1992 grads
MINIMUM G.P.A.: 2.75
CITIZENSHIP: Permanent Resident

INTERVIEW SIGNUP DATE: September 20, 1991
INTERVIEW DATE: October 10, 1991

CONTECH CONSTRUCTION PRODUCTS INC.
1001 Grove St.
Middletown, OH 45042
attn: Mr. Tom Svereski

NUMBER OF SCHEDULES: 1
MAJORS: BS/Civil Engineering
POSITION: Technical Sales
INTERVIEWING: recent grads, December 1991
May 1992 grads
MINIMUM G.P.A.: 2.5
CITIZENSHIP: Must be authorized to work
in the U.S.

INTERVIEW SIGNUP DATE: September 20, 1991
INTERVIEW DATE: October 8, 1991

FORD MOTOR COMPANY
CAR PRODUCT DEVELOPMENT-PRODUCT ENGINEERING OFFICE
2000 Oakwood Blvd., Room 1007
Building 3
Dearborn, MI 48121
attn: Mr. D.W. Reese

NUMBER OF SCHEDULES: 2
MAJORS: BS/MS Mechanical, Electrical
Engineering
POSITION: Program Management, Product
Systems & Advanced Engineering, Testing & Evalua-
tion, Body & Chassis Engineering, Powertrain
Engineering
LOCATION: Dearborn, MI
INTERVIEWING: December 1991 or May 1992
grads
CITIZENSHIP: Applicants must be authorized
to work in the U.S. on a full-time
basis.

DEADLINE FOR TURNING IN RESUMES: September 18, 1991
INTERVIEW DATE: October 4, 1991

FORD MOTOR COMPANY
ELECTRICAL & FUEL HANDLING DIVISION
Rawsonville General Office, Box 922
Ypsilanti, MI 48197
attn: Mr. Geary E. Baroni

NUMBER OF SCHEDULES: 1
MAJORS: BS/MS Electrical or Mechanical
Engineering
POSITION: Product design, systems
development, and manufacturing process engineering
for current and future model fuel, ignition,
and rotating electrical components for worldwide
powertrain systems applications.
LOCATION: Ypsilanti & Dearborn, MI
INTERVIEWING: December 1991 or May 1992 grads
CITIZENSHIP: Applicants must be presently
authorized to work in the U.S. on a full-time basis

DEADLINE FOR TURNING IN RESUMES: September 18, 1991
INTERVIEW DATE: October 4, 1991

Summer Employment

UNIVERSITY OF MISSOURI-ROLLA
OFFICE OF CAREER PLACEMENT

301 Norwood Hall

SUMMER EMPLOYMENT

WEEKLY DETAIL LIST #3
WEEK OF OCTOBER 7-11, 1991

DOW CHEMICAL USA
P.O. Box 150
Plaquemine, LA 70765-1291
attn: Mr. Joe Bristol

NUMBER OF SCHEDULES: 1
MAJORS: Junior level: Chemical or
Mechanical Engineering
POSITION: Summer Intern
LOCATION: Louisiana, Texas or Michigan

DEADLINE FOR TURNING IN RESUMES: September 18, 1991
INTERVIEW DATE: October 7, 1991

CHEVRON CORPORATION
P.O. Box 7137
San Francisco, CA 94120-7137
attn: Ms. Josephine Ankers

NUMBER OF SCHEDULES: 1
MAJORS: BS/MS Civil, Electrical
Mechanical, Chemical
Engineering
INTERVIEWING: Sophomore level & above
MINIMUM G.P.A.: 3.0
CITIZENSHIP: U.S. Citizenship required

DEADLINE FOR TURNING IN RESUMES: September 18, 1991
INTERVIEW DATES: October 8, 9, 1991

Runaway



Thursday, Sept. 19
3:00 p.m. - Hockey Puck

An acoustic duo,
pushing the boundaries of
folk music, with everything from
hard-driving rythm & blues
to heart-felt ballads



NOTICE

The Associated Students of the University
of Missouri will be electing one
undergraduate for a full term to its
Board of Directors

- * Attend monthly meetings
- * Provide direction for ASUM, state-wide
- * Set legislative priorities
- * Assist with programming at UMR



Board member will be elected at the
Student Council meeting on Oct. 1, 1991

For more information, call

ASUM 341- 4970

Student Council 341-4280

Amoco Corporation,
the global energy and
chemical company,
is interviewing on
campus for talented
Engineering, Geophysics,
and Computer Science
majors. Come tell us
about yourself, and
discover the big business
where you can make
a difference.



Amoco Corporation On-Campus Interviews:

October 21, 1991
Amoco Petroleum Additives Company
Wood River, IL
permanent positions
B.S. Engineering: CHE, CE, ME

October 22, 1991
Amoco Production Company
Houston, TX
summer/permanent positions
B.S. and M.S. Geophysics

October 22-23, 1991
Amoco Production Company
Houston, TX
summer/permanent positions
B.S. Engineering: CHE, GE, ME, PE

October 22-23-24, 1991
Amoco Chemical Company
Chocolate Bayou, TX
summer/permanent positions
B.S. Engineering: CHE, EE, ME

October 22-23, 1991
Amoco Corporation -
Information Systems
Chicago, IL
summer/permanent positions
M.S. Computer Science

October 22-23, 1991
Amoco Oil Company
Whiting, IN
permanent positions
B.S. Engineering: CHE, CE, EE, ME

Sign up now in the
placement office.

LET'S TALK



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